DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

JAN 15 2013

MEMORANDUM FOR: U.S. Environmental Protection Agency – Region 2
Attn: Robert Morse
Federal Facilities Section
290 Broadway, 18 Floor
New York, NY 10007-1866

New York State Department of Environmental Conservation
Attn: Ms. Heather Bishop
Division of Environmental Remediation
625 Broadway 11th Floor
Albany, NY 12233-7015

FROM: AFCEC/CZRB - Griffiss
706 Brooks Road
Rome, New York 13441

SUBJECT: Final Site Debris Removal and Soil Sampling Report
Area of Interest 474
Former Griffiss Air Force Base (AFB) Rome, New York
Contract Number FA8903-10-D-8595
Delivery Order 0014

1. Please refer to my letter dated December 20, 2012 and my transmittal letter dated October 5, 2012. Enclosed is the "Final Site Debris Removal and Soil Sampling Report for AOI 474".

2. The overall objective of this effort is the removal of a debris pile located at Landfill #2/3 and the collection of soil samples to determine if further investigation is necessary.

3. Request that final review comments, if any, be provided not later than February 15, 2013.

4. Should you have any questions or concerns please contact me at 315 356 0810 ex 202.

MICHAEL F. MCDERMOTT
Air Force Civil Engineer Center
AFCEC/CZRB Griffiss

Enclosures as noted.

FINAL

SITE DEBRIS REMOVAL AND SOIL SAMPLING REPORT
AREA OF INTEREST 474

FORMER GRIFFISS AIR FORCE BASE SITE
ROME, NEW YORK

Prepared for:

Air Force Civil Engineering Center
706 Brooks Road
Rome, New York 13441

Prepared by:

FPM Remediations Inc.
584 Phoenix Drive
Rome, NY 13441

In association with:

10901 Lowell Avenue, Suite 271
Overland Park, Kansas 66210

Contract Number FA8903-10-D-8595/
Delivery Order 0014

January 2013

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TABLE OF CONTENTS

SECTION **PAGE**

1.0 INTRODUCTION 1
1.1 SITE BACKGROUND 1
2.0 SITE WORK 3
2.1 SITE DEBRIS REMOVAL 3
2.2 SOIL SAMPLING 3
2.2.1 Soil Sampling Results 4
2.3 DEBRIS DISPOSAL 4
2.4 SITE RESTORATION 4
2.5 CONCLUSIONS AND RECOMMENDATIONS 5
3.0 REFERENCES 7

TABLES

Table 1 AOI 474 Soil Sampling Results

FIGURES

Figure 1 Debris Pile - AOI 474

APPENDICES

Appendix A Field Photo Log
Appendix B Daily Quality Control Report and Field Forms
Appendix C Disposal Receipt
Appendix D Validated Laboratory Data
Appendix E Raw Laboratory Data

LIST OF ACRONYMS AND ABBREVIATIONS

AFCEC	Air Force Civil Engineering Center
AOC	Area of Concern
AOI	Area of Interest
bgs	below ground surface
cy	cubic yard
FPM	FPM Remediations, Inc.
LTM	Long Term Monitoring
NYCRR	New York Codes, Rules, and Regulations
OHSWA	Oneida Herkimer Solid Waste Authority
PCBs	Polychlorinated Biphenyls
SCOs	Soil Clean up Objectives
SVOCs	Semi-Volatile Organic Compounds
TCLP	Toxicity Characteristic Leaching Procedure
UFP QAPP	Uniform Federal Policy Quality Assurance Project Plan
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

FPM Remediations, Inc. (FPM), in association with CAPE, Inc., under contract with the Air Force Civil Engineering Center (AFCEC), is conducting a site cleanup and sampling at Area of Interest (AOI) 474. This site is adjacent to the LF002 (Landfill 2/3 Area of Concern (AOC)) as illustrated in Figure 1. The site is located within the LF2/3 AOC LUC/IC Site boundaries. The work at this site was conducted in accordance with provisions of the Basic Contract #FA8903-10-D-8595 and Delivery Order # 0014.

1.1 SITE BACKGROUND

This report describes the debris pile removal and associated soil sampling activities conducted at AOI 474 in March 2012. The debris pile adjacent to Landfill 2/3 was discovered during the 2009 Landfill 2/3 Long Term Monitoring (LTM) sampling event. The pile was approximately 25 feet by 25 feet with a height of approximately 2 feet. The pile was also located near a wetland. Debris within the pile included rusted empty 55 gallon drums, empty glass bottles, and household refuse. It is believed that the debris pile was a result of unauthorized dumping prior to base closure. Landfill 2/3 was operational from 1973 to 1982.

This site was not identified in the Basewide Environmental Baseline Survey for the Griffiss Air Force Base performed in 1994 and updated in 2005 (Air Force, September 1994 and November 2005).

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2.0 SITE WORK

The debris pile was removed on March 26, 2012 by field personal using manual equipment. Use of heavy equipment was limited to the use of a skid steer which was used for transporting removed waste to a staged roll off container. This approach was taken to minimize any impact to the adjacent wetland area. Subsequent soil sampling at the site was conducted on March 27, 2012. The field activities are detailed below. All daily field activities, soil sampling forms, and the daily quality control report are provided in Appendix B.

2.1 SITE DEBRIS REMOVAL

The debris pile was located near a wetland, therefore FPM removed the debris using procedures that protected this sensitive ecosystem. The debris consisted of three empty drums, numerous empty glass bottles, and empty pesticide cans. During removal, the primary personal protective equipment worn by the field personnel included modified level D as described in the approved Griffiss PBR Contract Health and Safety Plan (CAPE/FPM/AECOM, July 2011).

Removal of the debris was conducted by hand and taken to a 20 yard roll off container staged at the entrance of the Landfill 2/3 site. Given the long distance between the roll off container and the debris pile, the debris was transported using a tracked bobcat. The movements of the bobcat were limited to minimize surface disturbance of the area. Following the removal of the surface debris, a hand-held magnetometor was utilized to confirm removal of all metallic debris and aid in the identification of any remaining subsurface debris. All debris was limited to past surface disposal activities (dumping).

A photo log of the field work is provided in Appendix A. Field book notes from the disposal are provided in Appendix B.

2.2 SOIL SAMPLING

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

2.2.1 Soil Sampling Results

The soil sampling data was compared to the Title 6 of the New York Codes, Rules, and Regulations (6 NYCRR) Part 375 (NYSDEC 2006) Residential use, Commercial use, and Industrial use Soil Cleanup Objectives (SCOs). Daily Chemical Quality Control Reports completed during the sampling event are provided in Appendix B. The validated laboratory data are attached in Appendix D and the raw laboratory data are available in Appendix E. Analytical results are summarized below are also presented in Table 1 (provided Table Section at the end of this report).

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

SVOCs:
Samples from Quadrant 2 and sampling locations 5 and 6 (0-1 ft bgs) showed SVOC concentrations above 6-NYCRR Part 375 Residential use SCOs. The SVOCs included dibenzo(a,h)anthracene, benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene. Dibenzo(a,h)anthracene concentrations at sampling locations 5 and 6 also exceeded the 6-NYCRR Part 375 Commercial use SCOs. The benzo(a)pyrene concentration also exceeded 6-NYCRR Part 375 Industrial use SCOs at sampling location 6.

Metals:
Samples from Quadrants 1, 2, 3, sampling location 5, 6, and 7 (0 – 1 ft bgs) showed metals concentrations above 6-NYCRR Part 375 Residential use SCOs and base-wide background metal concentrations (Law, December 1996). The metals included arsenic, barium, cadmium, chromium, copper, lead, manganese, nickel, zinc, and mercury. Exceedances of 6-NYCRR Part 375 Commercial use SCOs include barium, (Quadrant 1and sampling location 5). Arsenic (Quadrant 1 and Quadrant 3), mercury (Quadrants 1, 2, and sample location 5), and lead (sampling location 5) concentrations also exceeded 6-NYCRR Part 375 Industrial use SCOs.

2.3 DEBRIS DISPOSAL

The site debris was disposed of at the Oneida Herkimer Solid Waste Authority (OHSWA). The disposal receipt is provided in Appendix C. OHSWA requires characterization of debris containing soils. Since the debris was removed by hand, little to no soil was collected with the debris. Therefore, characterization of the glass and metal debris did require characterization for disposal with the OHSWA.

2.4 SITE RESTORATION

Site restoration was minimal since the debris was only found on the surface. Therefore, the removal of the debris and final grading of soil sampling locations using hand tools was the extent of the site restoration.

2.5 Conclusions and Recommendations

As a result of the debris pile, there were several SVOC and metals exceedances of the 6-NYCRR Part 375 Residential use and Commercial use SCOs with 1 SVOC (sampling location 6) and 4 metals (Quadrant 1, Quadrant 2, Quadrant 3, and sampling location 5) exceeding 6-NYCRR Part 375 Industrial use SCOs. The 6-NYCRR Part 375 Industrial use SCOs are the least stringent of the 6-NYCRR Part 375 SCOs. For the grab samples, the COC exceedances are isolated to the surface samples (0 to 1 ft bgs). Therefore, it is assumed that the contamination is isolated from 0 to 1 ft bgs throughout the site. It is recommended that the site be excavated to 1.5 ft bgs or until confirmatory soil sampling results shows COCs below the 6-NYCRR Part 375 Residential use SCOs.

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3.0 REFERENCES

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

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

CAPE/FPM/AECOM, *Draft-Final Health and Safety Plan for Performance Based-Remediation at the former Griffiss AFB, New York,* July 2011.

CAPE/FPM/AECOM, *Final Uniform Federal Policy Quality Assurance Project Plan for Performance Based-Remediation at the former Griffiss AFB, New York,* November 2011.

FPM Group, Ltd., *Annual Long Term Monitoring Report (June 2008 through April 2009) for Landfill AOCs at the former Griffiss AFB,* November 2010.

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

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

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Tables

AOI 474 Soil Sampling Results

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

AOI 474 Soil Sampling Results

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

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

AOI 474 Soil Sampling Results

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

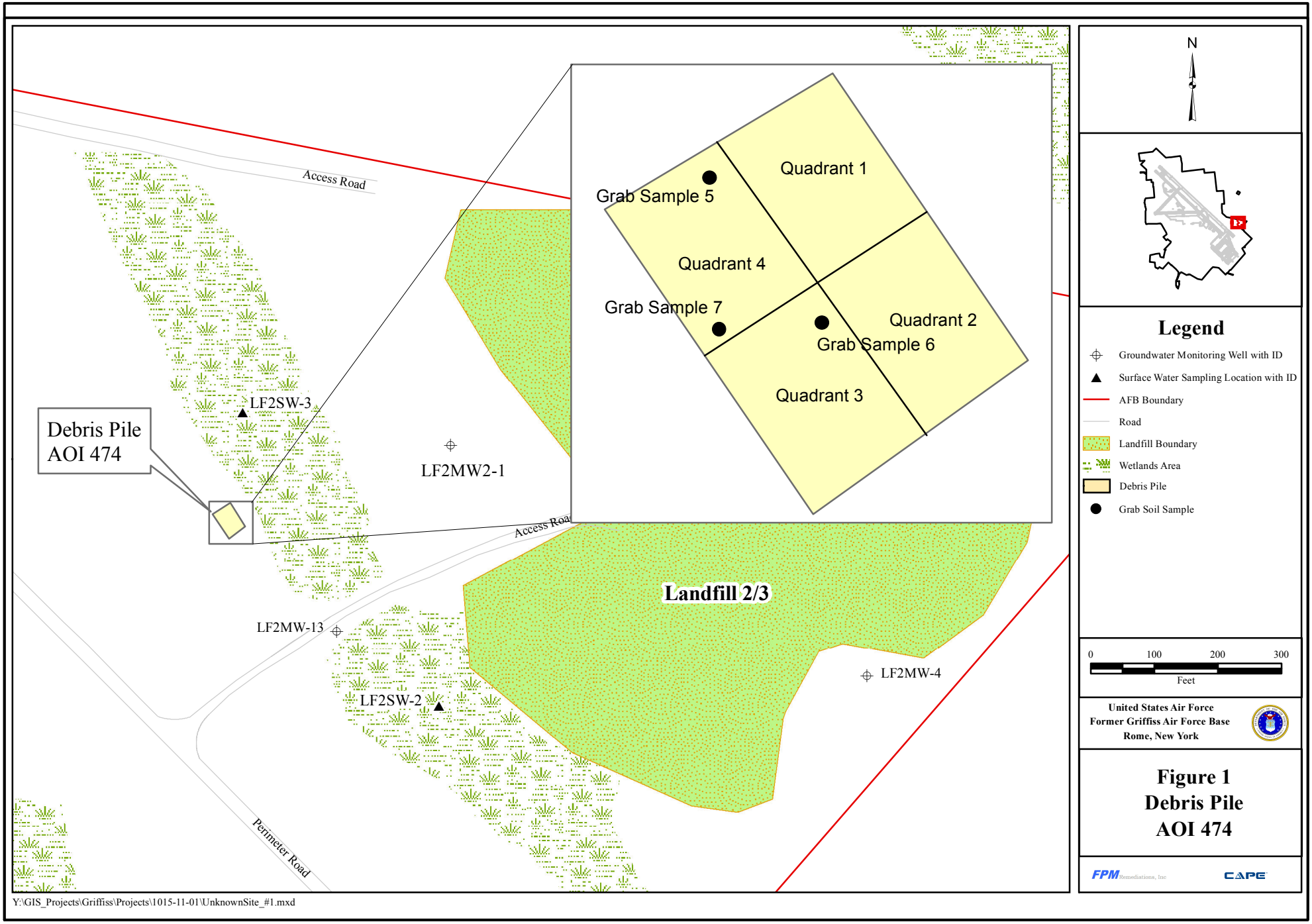
AOI 474 Soil Sampling Results

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

Notes:
B - Result is a positive value, however, the analyte was detected in an associated blank above the RL.
F - The analyte was positively identified above the MDL, however, the concentration is below the RL.
J - The analyte was positively identified, but the quantitation is an estimation.
M - A matrix effect was present.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
UJ - The analyte was analyzed for, but not detected. The quantitation is an approximation.
Indicates an exceedance of the NYCRR Part 375 Residential use Soil Cleanup Objective

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

Figures



Y:\GIS_Projects\Griffiss\Projects\1015-11-01\UnknownSite_#1.mxd

Appendix A
Field Photo log


CAUTION
CAUTION
CAUTION








Bobcat





Appendix B
Field Forms

Daily Quality Control Report

Project/Delivery Order Number: 1015-11-01 Date: 3/27/12

Project Name/Site Number: AOI-474

Weather conditions: Temperature: 43

Wind speed and direction: 10 mph NNW

Significant wind changes: none

General description of tasks completed: Removal of debris pile near LF2/3. Site activities also included soil sampling.

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

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

Corrective actions taken or instructions obtained from AFCEE personnel: None

Prepared by: Daniel Baldyga Date: 3/27/12

Signature: DBaldyga

SOIL / SEDIMENT SAMPLING FORM

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

Site and Site Code (**SITEID**): Landfill 2/3

Sampling Location ID. (**LOCID**): UNK1-1

Date (**LOGDATE**): 3/27/12 Time: 0955

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-2 bgs	Brown / No Odor

Comments/Observations:

None

Sample Time: 0955 Sample ID: UNK1010101AA

SOIL / SEDIMENT SAMPLING FORM

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

Site and Site Code (**SITEID**): Landfill 2/3

Sampling Location ID. (**LOCID**): UNK1-2

Date (**LOGDATE**): 3/27/12 Time: 1020

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-2 bgs	Brown / No odor

Comments/Observations:

None

Sample Time: 1020 Sample ID: UNK1020 1AA

SOIL / SEDIMENT SAMPLING FORM

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

Site and Site Code (**SITEID**): Landfill 2/3

Sampling Location ID. (**LOCID**): UNK1-3

Date (**LOGDATE**): 3/22/12 Time: 1045

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-2 bgs	Brown/ no odor

Comments/Observations:

None

Sample Time: 1045 Sample ID: UNK10301AA

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 Sampled by: JWS/MG

Site and Site Code (**SITEID**): Landfill 2/3

Sampling Location ID. (**LOCID**): UNK1-4

Date (**LOGDATE**): 3/27/12 Time: 1120

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-2 bgs	Brown/no odor

Comments/Observations:

None

Sample Time: 1120 Sample ID: UNK10401AA

SOIL / SEDIMENT SAMPLING FORM

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

Site and Site Code (**SITEID**): Landfill 2/3

Sampling Location ID. (**LOCID**): UNKJ-5-1

Date (**LOGDATE**): 3/27/12 Time: 1150

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-1 bgs	brown / no odor

Comments/Observations:

None

Sample Time: 1150 Sample ID: UNK1050101AA

SOIL / SEDIMENT SAMPLING FORM

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

Site and Site Code (**SITEID**): Landfill 2/3

Sampling Location ID. (**LOCID**): UNK1-5-2

Date (**LOGDATE**): 3/27/12 Time: 1200

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
1-2 bgs	brown/no odor

Comments/Observations:

None

Sample Time: 1200 Sample ID: UNK10502AA

SOIL / SEDIMENT SAMPLING FORM

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

Site and Site Code (**SITEID**): Landfill 2/3

Sampling Location ID. (**LOCID**): UNK1-6-1

Date (**LOGDATE**): 3/27/12 Time: 1215

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-1bgs	brown/no odor

Comments/Observations:

None

Sample Time: 1215 Sample ID: UNK1060101AA

SOIL / SEDIMENT SAMPLING FORM

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

Site and Site Code (**SITEID**): Landfill 2/3

Sampling Location ID. (**LOCID**): UNK1-6-2

Date (**LOGDATE**): 3/27/12 Time: 1245

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
1-2 bgs	brown/no odor

Comments/Observations:

None

Sample Time: 1245 Sample ID: UNK1060ZAA

SOIL / SEDIMENT SAMPLING FORM

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

Site and Site Code (**SITEID**): Landfill 2/3

Sampling Location ID. (**LOCID**): UNK1-7-1

Date (**LOGDATE**): 3/27/12 Time: 1255

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-1 bgs	brown/no odor

Comments/Observations:

None

Sample Time: 1255 Sample ID: UNK10701AA

SOIL / SEDIMENT SAMPLING FORM

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

Site and Site Code (**SITEID**): Landfill 2/3

Sampling Location ID. (**LOCID**): UNK1-7-2

Date (**LOGDATE**): 3/27/12 Time: 1315

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
1-2 bgs	brown/no odor

Comments/Observations:

None

Sample Time: 1315 Sample ID: UNK10702AA

CHAIN OF CUSTODY RECORD

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

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

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 4 oz glass jar	SVOCs, PCBs, Pest., metals note 2,3 8 oz glass jar	VOCs note 1 40 ml vial (HCL)	SVOCs, PCBs, Pest., note 2 1 liter Amber	metals note 3 250 ml poly (HNO3)	Comments
UNK10101AA	UNK1-1	3/27	0955	SO	G	N	0/0	2	1	1				
UNK10201AA	UNK1-2	3/27	1020	SO	G	N	0/0	2	1	1				
UNK10301AA	UNK1-3	3/27	1045	SO	G	N	0/0	2	1	1				
UNK10401AA	UNK1-4	3/27	1120	SO	G	N	0/0	2	1	1				
UNK10501AA	UNK1-5-1	3/27	1150	SO	G	N	0/0	2	1	1				
UNK10502AA	UNK1-5-2	3/27	1200	SO	G	N	0/0	2	1	1				
UNK10601AA	UNK1-6-1	3/27	1215	SO	G	N	0/0	2	1	1				
UNK10602AA	UNK1-6-2	3/27	1245	SO	G	N	0/0	2	1	1				
UNK10701AA	UNK1-7-1	3/27	1255	SO	G	N	0/0	2	1	1				
UNK10702AA	UNK1-7-2	3/27	1315	SO	G	N	0/0	2	1	1				
032712AE	FIELDQC	3/27	1410	WG	BP	EB	0/0	10			3	6	1	
032712AF	FIELDQC	3/27	1319	WG	BP	AB	0/0	3			3			
032712AR	FIELDQC	3/27	0935	WG	BP	TB	0/0	3			3			

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)
Note 1: VOCs: AFCEE QAPP 4.0 List.
Note 2: SVOCs: AFCEE QAPP 4.0 List, PCBs: AFCEE QAPP 4.0 List, Pesticides: AFCEE QAPP 4.0 List.
Note 3: Metals: AFCEE QAPP 4.0 List.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/28/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1310	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date: 3/26/12	#2 Received by: (Sig)	Date: 3-28-12	#3 Received by: (Sig)	Date:
Company Name: FPM	Time: 1600	Company Name:	Time: 1310	Company Name:	Time:

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

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

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

Daily Health and Safety Meeting Form

Date: 3/26/12 *Time :* 0910

Location: FPM office (sample room)

Weather Conditions: Overcast, windy, 40° F

Meeting Type: Daily Health and Safety

Personnel Present:

Peter Morat, Josh Wenzel, Mark Grifasi

Visitors Present: —

Visitor Training: —

PPE Required: Modified D

Possible risks, injuries, concerns:

Slip, trip, fall. Awareness of heavy equipment (Bobcat), Wear proper PPE (heavy duty gloves, tyvek suits etc...) to avoid cuts from debris, insect repellent for ticks

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

None

Property Damage:

None

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

N/A

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

N/A

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety and Health Officer

Daily Health and Safety Meeting Form

Date: 3/27/12 *Time :* 0930

Location: FPM office (sample room)

Weather Conditions: Sun, 30°F, Calm

Meeting Type: Daily Health and Safety

Personnel Present:

Josh Wenzel, Mark Grifasi

Visitors Present: —

Visitor Training: —

PPE Required: Modified D

Possible risks, injuries, concerns:

Slip, trip, fall. Insect repellent for ticks, Gloves to avoid contact w/ glass, metal etc..., Safety glasses.

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

None

Property Damage:

None

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

N/A

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

N/A

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety and Health Officer

32

Location LF 2/3 Date 3/26/12

Project / Client PM, JW, MB

Windy 40°

0800 Arrive at FPM. Gather supplies for LF 2/3 Debris Pile

0830 PM meets Bobcat delivery guy at LF 2/3 gate.

0900 PM, JW, MB mob to LF 2/3 to begin debris pile removal.

0910 H&S Meeting & Begin removal.

1130 LUNCH

1215 Continue removal of debris at LF 2/3.

1530 Debris removed from LF 2/3 debris pile.. Mark locations for soil sampling on 3/27/12..

1545 PM repairs road leading to debris pile w/ Bobcat.

1600 Back to FPM - END DAY

3-26-12

Location LF 2/3 Date 3/27/12

Project / Client JW/MB

Sun/30°F

0800 Arrive at FPM.

0830 Drive to LF6 w/ DB to inspect vernal pools.

0900 Drive w/ DB to LF 2/3 Debris Pile to inspect removal activities on 3/26/12.

0930 Back to FPM, prepare supplies for LF 2/3, soil sampling. H&S Meeting

0935 Trip Blank 032712AR

0945 JW/MB arrive at LF 2/3 for debris pile soil sampling.

0955 Sample UNK10101AA

1005 Decon soil sampling auger.

1020 Sample UNK10201AA

1030 Decon soil sampling auger.

1045 Sample UNK10301AA

1100 Decon soil sampling auger

Location LF 2/3 Date 3/27/12

Project / Client JW/MB

Sun 30°F

1120 Sample UNK10401AA

1135 Decon. soil sampling auger.

1150 Sample UNK10501AA

1155 Decon soil sampling auger.

1200 Sample UNK10502AA

1210 Decon soil sampling auger.

1215 Sample UNK10601AA

1230 Decon soil sampling auger.

1245 Sample UNK10602AA

1250 Decon soil sampling auger.

1255 Sample UNK10701AA

1305 Decon. soil sampling auger.

1315 Sample UNK10702AA

58

Location LF 2/3 Date 3/27/12

Project / Client JW/MB

Sun 30°

1319 Ambient Blank 032712AF

1330 Back to FPM - LUNCH.

1410 Equipment Blank (auger) 032712AE

1430 Pack samples, [redacted] 3-27-12, put equipment away, finish paperwork.

1630 END DAY



3-27-12

Appendix C
Disposal Receipt

STATE

received
04/09/12

ROTONDO'S, INC.
21 Beatty Avenue
CLINTON, NY 13323

DATE 4/5/12

(315) 853-3542

FMP Remediations
584 Phoenix Dr
Rome, NY 13441

TERMS:

PLEASE DETACH AND RETURN WITH YOUR REMITTANCE $ _____

DATE	INVOICE NUMBER / DESCRIPTION	CHARGES	CREDITS
	BALANCE FORWARD		
	Dumpster Rental	$200 00	
4/3/12	Dump Fee	64 35	
	Total		

PROJECT # 1015-11-01 UN
CODE
APPROVALS
TRANS. #

ROTONDO'S, INC.

Thank You

PAY IN

BILL TO

HAULER

DATE	ENTRY TIME	OPER.	EXIT TIME	OPER.	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT

QUANTITY	MATERIAL CODE	DESCRIPTION/ORIGIN	UNITS	UNIT PRICE	AMOUNT

FPM Rem
584 Phoenix Dr. Rome
13441 200.00

Appendix D
Validated Laboratory Data

FPM Remediations, Inc.
Data Verification and Usability Report
FORMER GRIFFISS AIR FORCE BASE
Site AOI 474
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1005-11-01

TestAmerica Job # 280-27123-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Soil
Number of Samples:	13
Analytical Protocol:	DOD QSM Final Version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	March 27, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
UNK10101AA	3/27/12		
UNK10201AA	3/27/12		
UNK10301AA	3/27/12	032712AE, 032712AF, 032712AR	3/27/12
UNK10401AA	3/27/12		
UNK10501AA	3/27/12		
UNK10502AA	3/27/12		
UNK10601AA	3/27/12		
UNK10602AA	3/27/12		
UNK10701AA	3/27/12		
UNK10702AA	3/27/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, Final Version 4.2, as specified in the project-specific UFP QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, Final Version 4.2, with project-specific modifications as listed in the project-specific UFP QAPP. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method 8260B, Semivolatile Organic Compounds (SVOCs) by Method 8270D, Pesticides by Method 8081A, Polychlorinated Biphenyls (PCBs) by Method 8082, Metals by Method 6010B and 6020, and Mercury by Method 7470A.

VERIFICATION GUIDANCE

The analytical work was performed by Microbac Laboratories, Inc. (except for Dioxins/Furans analysis by Method 8290, which was performed by Summit Environmental Technologies, Inc.) in accordance with the DOD QSM, Final Version 4.2, as specified in the project-specific UFP QAPP. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the project-specific UFP QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, Final Version 4.2, and the criteria as listed in the project-specific UFP QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed for the VOCs and SVOCs analyses, as applicable:

- Limits of Detection and Limits of Quantitation (LOD, LOQ)
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- Trip blank (VOCs only)
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)
- Results reported between LOD and LOQ (J-flag)

- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance
- Tentatively identified compounds (TICs)

The following QA/QC criteria were reviewed for the pesticides/PCBs analyses, as applicable:

- LODs and LOQs
- Holding times
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Surrogate spike recoveries
- Laboratory control samples (LCS)
- Results reported between LOD and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification (including retention times)
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The following QA/QC criteria were reviewed for the metals and mercury analyses, as applicable:

- LODs and LOQs
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- ICP interference check sample analysis
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- ICP serial dilution analysis
- Results reported between LOD and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, Final Version 4.2 and project-specific UFP QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

SAMPLE LABELING/CHAIN-OF-CUSTODY

No errors in the chain-of-custody were noted. There were no discrepancies noted between the sample labels and the chain-of-custody, or the cooler contents and the chain-of-custody.

MS/MSD

For all analyses, the lab performed matrix spike and matrix spike duplicate samples for an internal quality control sample. Since these samples were not requested by the client in the chain-of-custody, no action was taken for the MS/MSD criterion.

REPORTING LIMITS

In accordance with the UFP QAPP, some quality control criteria (field duplicate and blank evaluations), required comparison to the reporting limit (RL). For this project, the RL was assumed to be equal to the LOQ.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- Internal Standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. Per the UFP QAPP, for Methods 8260/8270 the internal standard area count must not vary by more than -50% to +100% from the associated initial calibration midpoint standard. Also, per the QAPP, for Methods 8260/8270 the retention time of the internal standard must not vary more than ±30 seconds from the midpoint standard in the calibration verification. If these criteria are exceeded, the QAPP requires a mandatory re-analysis of samples analyzed while the system was malfunctioning, and all results for analytes associated with the deficient IS are qualified: If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated ("J"); no action is taken for non-detects if IS area is > 100%, and all non-detects are qualified as estimated ("UJ") if IS area is < 50%. Non-detects are qualified as "R" if there is a severe loss of sensitivity (< 30% of associated IS area counts), unless the exceedance is associated with a matrix interference. Also, if an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction.

  The following are the assessment results for the "internal standards performance" criterion (the Sample ID and IS area counts are listed) for samples exhibiting exceedance (***bold italic***) [no retention time exceedances were encountered during this sampling round]:

Sample ID	Internal Standard	Area Count	QC Limits	Flag Applied	Rationale
UNK10101AA	1,4-Dichlorobenzene-d4	***491681***	583331 - 2333324	UJ	Exceedance associated with matrix interference
UNK10201AA	1,4-Dichlorobenzene-d4	***418307***	583331 - 2333324	UJ	Exceedance associated with matrix interference
UNK10301AA	1,4-Dichlorobenzene-d4	***351187***	583331 – 2333324	UJ	Exceedance associated with matrix interference
UNK10501AA	1,4-Dichlorobenzene-d4	***421091***	583331 – 2333324	UJ	Exceedance associated with matrix interference
UNK10601AA	1,4-Dichlorobenzene-d4	***326104 (< 30%)***	583331 – 2333324	UJ	Exceedance associated with matrix interference

  Corrective Action: Each sample listed above had one internal standard exceedance for 1,4-dichlorobenzene-d4. According to the case narrative, the samples contain organic matter which is known to affect the recovery of spiked compounds, so the results are impacted by

matrix interference. Using professional judgment, the results are considered usable but are considered estimated and are flagged "UJ." Although the exceedance for UNK10601AA was less than 30%, the data is still considered usable, albeit estimated, since the exceedance is due to matrix interference. The case narrative stated that the samples contain organic matter which is known to affect the recovery of spiked compounds.

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for surrogate recoveries. The sample ID, percent recovery, and QC limits are listed.

Sample ID	Surrogate	%Rec	QC Limits (%)	Flag Applied	Rationale
UNK10101AA	Toluene-d8	***117***	85-115	None	%Rec greater than upper control limit; all results less than the LOQ
	4-Bromofluorobenzene	***122***	85-120	None	%Rec greater than upper control limit; all results less than the LOQ
UNK10201AA	4-Bromofluorobenzene	***125***	85-120	None	%Rec greater than upper control limit; all results less than the LOQ
UNK10301AA	Toluene-d8	***121***	85-115	None	%Rec greater than upper control limit; all results less than the LOQ
	4-Bromofluorobenzene	***135***	85-120	None	%Rec greater than upper control limit; all results less than the LOQ
UNK10401AA	Toluene-d8	***120***	85-115	None	%Rec greater than upper control limit; all results less than the LOQ
	4-Bromofluorobenzene	***121***	85-120	None	%Rec greater than upper control limit; all results less than the LOQ
UNK10501AA	4-Bromofluorobenzene	***126***	85-120	None	%Rec greater than upper control limit; all results less than the LOQ
UNK10601AA	4-Bromofluorobenzene	***135***	85-120	None	%Rec greater than upper control limit; all results less than the LOQ
UNK10701AA	Toluene-d8	***117***	85-115	None	%Rec greater than upper control limit; all results less than the LOQ

For VOCs, if the recoveries for surrogates are outside control limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate fraction in that sample are qualified. For samples with surrogate recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered

estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).
Corrective Action: Each of the samples listed above exhibited at least one surrogate exceedance. According to the case narrative, samples were not re-extracted since there was evidence of matrix interference. The UFP QAPP does not require qualification for surrogate exceedances greater than the upper control limit when associated results are non-detect. Since all associated results were less than the LOQ, no "J" flags were deemed necessary.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

- According to the case narrative, the following samples were analyzed at initial dilution:

Sample	Dilution
UNK10401AA	1:4
UNK10501AA	1:4
UNK10601AA	1:4

The dilution results only are reported and are used in data verification as representing original results. The case narrative describes that these samples were analyzed at dilution due to extract appearance.

- According to the case narrative, due to matrix interference in all field samples, benzo(b)fluoranthene and benzo(k)fluoranthene were unresolved.
Corrective Action: No corrective action is necessary. Using professional judgment, the associated results, flagged "K" by the laboratory, were instead flagged "J" to indicate that the results are estimated.

- The response of the instrument indicated the %D for second source calibration verifications and continuing calibration verifications outside QC limits for individual analytes. The following table summarizes the exceedances:

Type of Calibration Exceedance Affected Analytes	%D	Method QC Limit	Flag Applied	Rationale
SVOCs, Initial Calibration Verification ICV 280-116104/13				
Benzaldehyde	***36.2***	±35	None	%D higher than upper control limit and associated results ND

Corrective Action: When the %D was greater than the upper control limit and associated results were non-detect, no flagging was deemed necessary.

PESTICIDES

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for surrogate recoveries. The sample ID, percent recovery, and QC limits are listed.

Sample ID	Surrogate	%Rec	QC Limits (%)	Flag Applied	Rationale
UNK10101AA	DCBP	***1º: 1361*** ***2º: 1278***	55-130	None	Only 1 surrogate exhibited exceedance
UNK10101AA (1:5)	DCBP	***1º: 1408*** ***2º: 1406***	55-130	None	Only 1 surrogate exhibited exceedance
UNK10201AA	DCBP	***1º: 485*** ***2º: 466***	55-130	None	Only 1 surrogate exhibited exceedance
UNK10201AA (1:5)	TCMX	***1º: 69***	70-125	None	Recovery within 1% of control limit
	DCBP	***1º: 492***	55-130	None	Only 1 surrogate exhibited exceedance
UNK10301AA	TCMX	***1º: 58*** ***2º: 50***	70-125	None	Only 1 surrogate exhibited exceedance
UNK10301AA (1:5)	TCMX	***1º: 50***	70-125	UJ	Two surrogates outside control limits
	DCBP	***1º: 135***	55-130	UJ	Two surrogates outside control limits
UNK10401AA	TCMX	***2º: 69***	70-125	None	Primary column surrogate recovery within control limits
	DCBP	***2º: 159***	55-130	None	Primary column surrogate recovery within control limits
UNK10401AA (1:5)	TCMX	***1º: 64***	70-125	UJ	Two surrogates outside control limits
	DCBP	***1º: 155***	55-130	UJ	Two surrogates outside control limits
UNK10501AA	TCMX	***1º: 59*** ***2º: 57***	70-125	None	Only 1 surrogate exhibited exceedance for primary result
	DCBP	***2º: 178***	55-130	None	Primary column surrogate recovery within control limits
UNK10501AA (1:5)	TCMX	***1º: 45***	70-125	UJ	Two surrogates outside control limits
	DCBP	***1º: 176***	55-130	UJ	Two surrogates outside control limits
UNK10502AA (1:5)	DCBP	***1º: 241***	55-130	None	Only 1 surrogate exhibited exceedance
UNK10601AA	TCMX	***1º: 61*** ***2º: 56***	70-125	None	Only 1 surrogate exhibited exceedance
UNK10601AA (1:5)	TCMX	***1º: 59***	70-125	None	Only 1 surrogate exhibited exceedance
UNK10701AA	TCMX	***1º: 67*** 2º: 70	70-125	None	Only 1 surrogate exhibited exceedance in primary result
	DCBP	1º: 116 ***2º: 180***	55-130	None	Only 1 surrogate exhibited exceedance in primary result
UNK10701AA (1:5)	TCMX	***1º: 59***	70-125	UJ	Two surrogates outside control limits
	DCBP	***1º: 180***	55-130	UJ	Two surrogates outside control limits

Sample ID	Surrogate	%Rec	QC Limits (%)	Flag Applied	Rationale
UNK10702AA	TCMX	***1º: 62*** ***2º: 64***	70-125	None	Only 1 surrogate exhibited exceedance
UNK10702AA (1:5)	TCMX	***1º: 59***	70-125	UJ	Two surrogates outside control limits
	DCBP	***1º: 48***	55-130	UJ	Two surrogates outside control limits

For pesticides, if the recoveries for the two surrogates are outside control limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, and in the absence of matrix interference, then all analytes associated with the surrogate in that sample are qualified. For samples with surrogate recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: When only one surrogate was outside control limits, no flagging was deemed necessary. In all cases the exceedances were due to matrix interference. When more than one surrogate was outside control limits, the results were deemed usable, but considered estimated and are flagged "UJ," since all associated results were non-detect. No re-extractions or reanalyses were performed due to the matrix interference issues in the samples.

- Method 8081 requires second column confirmation for the detection of organochlorine pesticides. When the %D exceeds 40%, the UFP QAPP states that the results shall be flagged "J" and considered estimated. If the primary result is not confirmed, the "U" flag shall be applied. The following table lists the %D exceedances for analytes in field samples:

Sample ID	Analyte	First Column Result	Second Column Result	%D	Flag	Rationale
UNK10101AA	4,4'-DDD	2.0 J	3.5	***52.1***	J	Reported result < LOQ
UNK10201AA	4,4'-DDE	0.52 J	1.3 J	***83.8***	J	Reported result < LOQ
UNK10301AA	4,4'-DDE	1.1 J	1.8 J	***51.8***	J	Reported result < LOQ
UNK10701AA	Dieldrin	0.39 J	1.5 J	***115.7***	J	Reported result < LOQ

Corrective Action: Since all initial reported results were less than the LOQ, no additional qualification was deemed necessary (all results between the detection limit and the LOQ are flagged "J" and considered estimated).

POLYCHLORINATED BIPHENYLS (PCBs)

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for surrogate recoveries. The sample ID, percent recovery, and QC limits are listed.

Sample ID	Surrogate	%Rec	QC Limits (%)	Flag Applied	Rationale
UNK10101AA	Decachlorobiphenyl	***944***	59-130	None	%Rec > UCL; associated results ND
UNK10201AA	Decachlorobiphenyl	***274***	59-130	None	%Rec > UCL; associated results ND
UNK10301AA	Decachlorobiphenyl	***38***	59-130	None	Only 1 surrogate exhibited exceedance
UNK10401AA	Decachlorobiphenyl	***49***	59-130	None	Only 1 surrogate exhibited exceedance
UNK10501AA	Decachlorobiphenyl	***37***	59-130	None	Only 1 surrogate exhibited exceedance
UNK10701AA	Decachlorobiphenyl	***1º: 49 2º: 54***	59-130	None	Only 1 surrogate exhibited exceedance
UNK10702AA	Decachlorobiphenyl	***46***	59-130	None	Only 1 surrogate exhibited exceedance

For PCBs, if the recoveries for one or more surrogates are outside control limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate fraction in that sample are qualified. For samples with surrogate recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: All surrogate exceedances were for the DCBP surrogate. According to the case narrative, no samples were re-extracted due to the samples' amber color and evidence of matrix interference in the sample chromatograms. Using professional judgment, since all recoveries of the alternate surrogate, TCMX, were within control limits, no qualification of the samples was deemed necessary.

METALS (ICP)

- According to the case narrative, the following samples were analyzed at dilution:

Sample	Dilution	Analytes
UNK10101AA, UNK10201AA, UNK10301AA, UNK10401AA, UNK10501AA, UNK10701AA	1:5	Iron, aluminum, boron

The dilution results only are reported these analytes and are used in data verification as presenting original results. The case narrative describes samples were analyzed at dilution to obtain results within the linear range.

METALS (MS)

- According to the case narrative, the following samples required dilution to acquire results within the calibration range:

Sample	Dilution	Analytes
UNK10101AA	1:20	Barium, copper, lead, manganese, nickel, and zinc
UNK10501AA	1:20	Lead

The dilution results only are reported these analytes and are used in data verification as representing original results.

- According to the case narrative, the ICSA solution for prep batch 280-113654 reported cadmium above the LOD. The laboratory contacted the manufacturer, and the source of the cadmium is suspected to be trace impurities of the element in the solution, rather than an artifact of matrix interference. The laboratory applied "Q" flags for all cadmium results. Using professional judgment, the "Q" flags were removed and the unqualified results are deemed usable.

- An Inductively Coupled Plasma (ICP) Serial Dilution Test (1:5 dilution) is required to be run for each sample matrix that is analyzed for metals, and, according to the DOD QSM requirements, is applicable only for those analytes with concentrations greater than 50 times the LOQ. The following dilution tests indicated the percent difference (%D) between the original result and the five-times (5x) serial dilution result was greater than the ±10% QC limit:

Analyte	Initial Sample Result (µg/kg)	Serial Dilution Result (µg/kg)	% Difference	LOQ (µg/kg)	Post-Digestion Spike Result	Flag Applied
Project #280-27123-1, UNK10101AA (1:1)						
Arsenic	30,000	35,000	***15***	670	79	None; initial result < 50x LOQ
Chromium	96,000	112,000	***17***	270	79	J
Cobalt	28,000	31,900	***15***	130	79	J
Molybdenum	5100	5730	***12***	270	86	None; initial result < 50* LOQ
Selenium	320 J	1700	Not calculated (NC)	670	***72***	J; result between DL and LOQ
Vanadium	5200	7200	***38***	670	81	None; initial result < 50x

Analyte	Initial Sample Result (µg/kg)	Serial Dilution Result (µg/kg)	% Difference	LOQ (µg/kg)	Post-Digestion Spike Result	Flag Applied
						LOQ
Project #280-27123-1, UNK10101AA (1:20)						
Nickel	180,000	464,000	***158***	9400	96	None; initial result < 50x LOQ

The UFP QAPP requires that for the specific analytes in the parent sample associated with the dilution test that do not meet the acceptance criteria (i.e., five-fold dilution is greater than ±10% different), a "J" be applied to the results, and that they be considered estimated, to indicate a potential matrix effect. The method also allows the matrix effect to be confirmed by evaluating the results of a post-digestion spike. If the post-digestion spike addition recovery is within 75-125%, no further action is necessary, but "J" flags are still required.

Corrective Action: Of the analytes listed above for sample UNK10101AA, the results were applicable only for the analytes chromium and cobalt. As discussed above, since the %D exceeded 10% for these compounds, associated results in the parent sample only were considered estimated and flagged "J." Since associated post-digestion spike recoveries were within acceptable limits, no further corrective action was deemed necessary by the laboratory.

MERCURY

- According to the case narrative, the following samples required dilution to acquire results within the calibration range:

Sample	Dilution
UNK10101AA	1:10
UNK10201AA	1:20

The dilution results only are reported and are used in data verification as representing original results.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

SVOCs

Based on the evaluation of all information in the analytical data groups, the results for SVOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Pesticides

Based on the evaluation of all information in the analytical data groups, the results for pesticides are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

PCBs

Based on the evaluation of all information in the analytical data groups, the results for PCBs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Metals (ICP)

Based on the evaluation of all information in the analytical data groups, the results for metals are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Metals (MS)

Based on the evaluation of all information in the analytical data groups, the results for metals are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Mercury

Based on the evaluation of all information in the analytical data groups, the results for mercury are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

DATA USABILITY SUMMARY

All data in Job # 280-27123-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 6/2/2012

ATTACHMENTS

- Chains of Custody
- Lab's Case Narratives
- Qualified final data verification results on annotated Lab Sheet 2s

CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB AOI 474
Report Number: 280-27123-1

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

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

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

RECEIPT
Thirteen samples were received on 03/29/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.6°C, 4.8°C, and 2.0°C.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - SOIL
Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/04/2012 and 04/06/2012.

Several analytes were detected in method blank MB 280-114240/1-A at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged "J". However, because the result concentration was less than ½ the respective reporting limit, no corrective action was necessary.

Carbon disulfide was detected in method blank MB 280-114501/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The 4-Bromofluorobenzene and Toluene-d8 surrogates failed the recovery criteria high for samples UNK10101AA (280-27123-1), UNK10301AA (280-27123-3), and UNK10401AA (280-27123-4). Evidence of matrix interference is present ; samples have been qualified and reported

The 4-Bromofluorobenzene surrogate failed the recovery criteria high for samples UNK10201AA (280-27123-2), UNK10501AA (280-27123-5), and UNK10601AA (280-27123-7). Evidence of matrix interference is present ; samples have been qualified and reported

The Toluene-d8 surrogate failed the recovery criteria high for sample UNK10701AA (280-27123-9). Evidence of matrix interference is present ; samples have been qualified and reported

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 280-114709, performed on sample UNK10401AA (280-27123-4), were outside control limits for multiple compounds. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 280-114253, performed on sample UNK10502AA (280-27123-6), were outside control for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, and 2-Butanone (MEK. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Internal standard responses were outside of acceptance limits (less than 50% recovery) for 1,4 Dichlorobenzene d4 for the following samples: UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10501AA (280-27123-5), and UNK10601AA (280-27123-7). The samples show evidence of matrix interference. The samples contain organic matter which is known to affect the recovery of spiked compounds. The samples have been qualified and reported

The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 280-114709: 1,2-Dichloroethane-d4 (Surr). The compound is not classified as a Calibration Check Compound (CCC) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for 6 analytes to be outside limits; therefore, the data have been reported.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - Water

Table of Contents

Met ICSA/ICSAB 2335

Met MS/MSD/PDS 2347

Met LCS/LCSD 2354

Met Serial Dilution 2365

Met MDL 2370

Met IECF 2382

Met Linear Ranges 2394

Met Preparation Log 2398

Met Analysis Run Log 2404

Met ICP/MS Tune 2426

Met ICP/MS Int Stds 2428

Met Raw Data 2430

Met Prep Data 5104

General Chemistry Data 5113

Gen Chem Cover Page 5114

Gen Chem MDL 5115

Gen Chem Analysis Run Log 5116

Gen Chem Raw Data 5118

Gen Chem Prep Data 5119

Shipping and Receiving Documents 5120

Client Chain of Custody 5121

Sample Receipt Checklist 5123

Samples 032712AE (280-27123-11), 032712AF (280-27123-12), and 032712AR (280-27123-13) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/09/2012.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9) and UNK10702AA (280-27123-10) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 03/31/2012 and analyzed on 04/18/2012 and 04/19/2012.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 280-113829/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Samples UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), and UNK10601AA (280-27123-7) required dilutions prior to analysis due to the abundance of non-target analytes. The LOQ, LOD, and DL have been adjusted accordingly.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 280-113829, performed on sample UNK10301AA (280-27123-3), were outside control limits for the following analytes: 3,3'-Dichlorobenzidine, Hexachlorocyclopentadiene, and 4-Nitroaniline. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Benzo(b)fluoranthene and Benzo(k)fluoranthene were unresolved due to matrix interference for samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9) and UNK10702AA (280-27123-10). The results are reported as Benzo(b)fluoranthene, and the Benzo(b)fluoranthene & Benzo(k)fluoranthene results have been "K" flagged.

The initial calibration verification (ICV) for analytical batch 280-116156 exceeded control criteria for Benzaldehyde at 136%, with an upper limit of 125%. The recovery was high in the ICV and this compound was not detected in the associated samples, therefore the data have been reported.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - WATER

Sample 032712AE (280-27123-11) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The sample was prepared on 04/03/2012 and analyzed on 04/18/2012.

No difficulties were encountered during the SVOC analysis.

All quality control parameters were within the acceptance limits.

ORGANOPHOSPHORUS PESTICIDES - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for organophosphorus pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 04/02/2012 and analyzed on 04/11/2012, 04/16/2012 and 04/17/2012.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The Decachlorobiphenyl surrogate failed the recovery criteria high for samples UNK10101AA (280-27123-1), UNK10502AA (280-27123-6), and UNK10201AAMS (280-27123-2MS). Evidence of matrix interference is present; therefore, re-extraction and/or reanalysis were not performed.

The Decachlorobiphenyl and Tetrachloro-m-xylene surrogates failed the recovery criteria low for samples UNK10702AA (280-27123-10) and UNK10702AAMSD (280-27123-10MSD). Evidence of matrix interference is present; therefore, re-extraction and/or reanalysis were not performed.

The Tetrachloro-m-xylene surrogate failed the recovery criteria low for samples UNK10601AA (280-27123-7) and UNK10702AAMS (280-27123-10MS). Evidence of matrix interference is present; therefore, re-extraction and/or reanalysis were not performed.

The Tetrachloro-m-xylene surrogate failed the recovery criteria low, and the Decachlorobiphenyl surrogate failed the recovery criteria high

for samples UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10701AA (280-27123-9), and UNK10201AAMSD (280-27123-2MSD). Evidence of matrix interference is present; therefore, re-extraction and/or reanalysis were not performed.

Several analytes failed the recovery criteria low for the matrix spike (MS) and matrix spike duplicate (MSD) of sample UNK10201AA (280-27123-2) in batch 280-115240. In addition, several analytes exceeded the RPD limit. Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

The matrix spike duplicate (MSD) recovery for prep batch 280-113973 was outside control limits for Toxaphene. The parent sample is reported from a dilution and is ND for Toxaphene. The matrix spike (MS) and associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) required dilutions for Toxaphene prior to analysis due to the nature of the sample matrix. The sample matrix is suspected to have caused the bracketing CCVs for Toxaphene to recover outside the control limits. The LOQ, LOD, and DL have been adjusted accordingly.

The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: (280-27123-2 MS), (280-27123-2 MSD), UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10501AA (280-27123-5), UNK10601AA (280-27123-7), and UNK10701AA (280-27123-9).

No other difficulties were encountered during the pesticides analyses.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES - WATER

Sample 032712AE (280-27123-11) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The sample was prepared on 04/02/2012 and analyzed on 04/05/2012.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS) - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 04/02/2012 and analyzed on 04/10/2012.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The Decachlorobiphenyl surrogate failed the recovery criteria high for samples UNK10101AA (280-27123-1) and UNK10201AA (280-27123-2). Evidence of matrix interference was present in the sample chromatogram and the extract was amber in color; therefore, re-extraction and/or reanalysis were not performed. The surrogate recoveries were outside calibration range, possibly due to a co-eluting non-target peak. The surrogates have been flagged "J".

The Decachlorobiphenyl surrogate failed the recovery criteria low for samples UNK10702AA (280-27123-10), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10701AA (280-27123-9), and UNK10301AAMSD (280-27123-3MSD). Evidence of matrix interference was present in the sample chromatogram and the extract was amber in color; therefore, re-extraction and/or reanalysis were not performed.

PCB-1260 failed the recovery criteria low for the matrix spike (MS) and matrix spike duplicate (MSD) of sample UNK10301AA (280-27123-3) in batch 280-114993. Evidence of matrix interference is present in the sample chromatogram and the extract was amber in color. The associated laboratory control sample (LCS) recovery met acceptance criteria, and the sample results have been flagged accordingly.

The following samples underwent a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: (280-27123-3 MS), (280-27123-3 MSD), (LCS 280-113973/3-A), (MB 280-113973/1-A), UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10).

The following samples underwent a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: (280-27123-3 MS), (280-27123-3 MSD), (LCS 280-113973/3-A), (MB 280-113973/1-A), UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10).

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS) - WATER

Sample 032712AE (280-27123-11) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The sample was prepared on 04/02/2012 and analyzed on 04/13/2012.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The following samples underwent a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: (LCS 280-113965/3-A), (MB 280-113965/1-A), and 032712AE (280-27123-11).

The following samples underwent a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: (LCS 280-113965/3-A), (MB 280-113965/1-A), and 032712AE (280-27123-11).

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP) - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 03/30/2012 and analyzed on 04/02/2012 and 04/03/2012.

Boron was detected in method blank MB 280-113656/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Aluminum and Iron failed the recovery criteria high for the matrix spike (MS) and matrix spike duplicate of sample UNK10101AA (280-27123-1) in batch 280-114077. Aluminum and Iron also exceeded the RPD limit. The presence of the '4' qualifier in the report indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), and UNK10701AA (280-27123-9) required dilutions prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS) - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for total metals in accordance with EPA SW-846 Method 6020. The samples were prepared on 03/30/2012 and analyzed on 04/02/2012.

Barium, Cadmium, Copper, and Lead were detected in method blank MB 280-113654/1-A at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged "J". However, because the result concentrations were less than ½ the respective reporting limit, no corrective action was necessary

Antimony, Barium, Chromium, Copper, Nickel, Selenium, and Zinc failed the recovery criteria low for the matrix spike (MS) of sample UNK10101AA (280-27123-1). Lead and Manganese failed the recovery criteria high. Antimony, Barium, Chromium, Cobalt, Nickel, Selenium, and Zinc failed the recovery criteria low for the matrix spike duplicate (MSD). Arsenic, Copper, Lead, Manganese, and Vanadium failed the recovery criteria high. In addition, Arsenic, Barium, Copper, Lead, Molybdenum, and Zinc exceeded the RPD limit. The presence of the '4' qualifier in the report indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Samples UNK10101AA (280-27123-1) and UNK10501AA (280-27123-5) required dilutions prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

The ICSA solution, which is used as the ICP-MS interference check standard, shows results for several metals at levels above the DoD acceptance limits (>LOD). For prep batch 280-113654, the initial ICSA solution was above the DoD acceptance limit for Cadmium. We believe the solution contains trace impurities of this element and that the result is not an artifact of matrix interference. This result agrees with that found by the manufacturer of the ICSA solution. The associated sample results have been flagged "Q" for Cadmium.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 04/03/2012.

Mercury failed the recovery criteria high for the matrix spike (MS) of sample UNK10101AAMS (280-27123-1) in batch 280-114184. Mercury also exceeded the RPD limit. The associated laboratory control sample (LCS) recovery met acceptance criteria, and the sample results have been flagged accordingly.

Samples UNK10101AA (280-27123-1) and UNK10201AA (280-27123-2) required dilutions prior to analysis due to the abundance of target analytes. The LOQ, LOD, and DL have been adjusted accordingly.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP) - WATER

Sample 032712AE (280-27123-11) was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The sample was prepared on 04/09/2012 and analyzed on 04/10/2012.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS) - WATER

Sample 032712AE (280-27123-11) was analyzed for total metals in accordance with EPA SW-846 Method 6020. The sample was prepared and analyzed on 04/10/2012.

The ICSA solution, which is used as the ICP-MS interference check standard, shows results for several metals at levels above the DoD acceptance limits (>LOD). For prep batch 280-114586, the initial ICSA solution was above the DoD acceptance limit for Cadmium. We believe the solution contains trace impurities of this element and that the result is not an artifact of matrix interference. This result agrees with that found by the manufacturer of the ICSA solution. The associated sample results have been flagged "Q" for Cadmium

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY - WATER

Sample 032712AE (280-27123-11) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The sample was prepared and analyzed on 04/04/2012.

Mercury was detected in method blank MB 280-114152/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

No other difficulties were encountered during the mercury analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for percent solids in accordance with EPA SW846 3550C. The samples were analyzed on 03/30/2012.

No difficulties were encountered during the % solids analyses.

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 115801

Lab Sample ID: CCV 280-115801/4 Client Sample ID:

Date Analyzed: 04/16/12 12:16 Lab File ID: 04160012.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/18/12 00:00
Toxaphene Peak 1	5.65	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 3	7.08	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/18/12 09:19

Lab Sample ID: CCV 280-115801/7 Client Sample ID:

Date Analyzed: 04/16/12 21:09 Lab File ID: 04160043.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/17/12 00:00
Toxaphene Peak 1	5.65	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 3	7.07	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/17/12 11:42

Lab Sample ID: CCV 280-115801/20 Client Sample ID:

Date Analyzed: 04/17/12 00:52 Lab File ID: 04160056.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/17/12 00:00
Toxaphene Peak 1	5.66	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 2	6.33	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 3	7.07	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/17/12 11:47

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-27123-1	UNK10101AA	Solid	03/27/2012 0955	03/29/2012 0900
280-27123-2	UNK10201AA	Solid	03/27/2012 1020	03/29/2012 0900
280-27123-3	UNK10301AA	Solid	03/27/2012 1045	03/29/2012 0900
280-27123-4	UNK10401AA	Solid	03/27/2012 1120	03/29/2012 0900
280-27123-5	UNK10501AA	Solid	03/27/2012 1150	03/29/2012 0900
280-27123-6	UNK10502AA	Solid	03/27/2012 1200	03/29/2012 0900
280-27123-7	UNK10601AA	Solid	03/27/2012 1215	03/29/2012 0900
280-27123-8	UNK10602AA	Solid	03/27/2012 1245	03/29/2012 0900
280-27123-9	UNK10701AA	Solid	03/27/2012 1255	03/29/2012 0900
280-27123-10	UNK10702AA	Solid	03/27/2012 1315	03/29/2012 0900
280-27123-11EB	032712AE	Water	03/27/2012 1410	03/29/2012 0900
280-27123-12FB	032712AF	Water	03/27/2012 1319	03/29/2012 0900
280-27123-13TB	032712AR	Water	03/27/2012 0935	03/29/2012 0900

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10101AA

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5646.D
Dilution:	1.0			Initial Weight/Volume:	5.402 g
Analysis Date:	04/04/2012 1325			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.4	U	0.81	7.2
1,1,1-Trichloroethane		1.4	U	0.75	7.2
1,2,3-Trichloropropane		1.4	U J	1.2	7.2
1,2,3-Trichlorobenzene		1.4	U J	1.1	7.2
1,1-Dichloroethane		1.2	U	0.30	7.2
1,2,4-Trichlorobenzene		1.4	U J	1.1	7.2
1,2-Dibromo-3-Chloropropane		1.4	U J	0.87	14
1,1-Dichloropropene		1.4	U	0.78	7.2
1,1-Dichloroethene		1.4	U	0.85	7.2
1,1,2-Trichloroethane		1.4	U	1.3	7.2
1,1,2,2-Tetrachloroethane		1.4	U J	0.88	7.2
1,2,4-Trimethylbenzene		1.4	U J	0.84	7.2
1,2-Dichlorobenzene		1.4	U J	0.65	7.2
1,2-Dichloroethane		1.4	U	1.0	7.2
1,3-Dichlorobenzene		1.4	U J	0.69	7.2
1,3-Dichloropropane		1.4	U	0.74	7.2
1,3,5-Trimethylbenzene		1.4	U J	0.82	7.2
2-Butanone (MEK)		9.2	U	2.6	29
1,4-Dichlorobenzene		1.4	U J	1.1	7.2
1,2-Dichloropropane		1.4	U	0.79	7.2
2,2-Dichloropropane		1.4	U	0.63	7.2
2-Hexanone		14	U	7.1	29
4-Methyl-2-pentanone (MIBK)		14	U	6.3	29
4-Isopropyltoluene		1.4	U J	0.71	7.2
Benzene		1.4	U	0.68	7.2
Acetone		14	U	7.8	29
Bromobenzene		1.4	U J	0.71	7.2
Bromoform		1.2	U	0.33	7.2
Bromomethane		1.4	U	0.72	14
Carbon tetrachloride		1.4	U	0.91	7.2
Carbon disulfide		1.4	U	0.61	7.2
2-Chlorotoluene		1.4	U J	0.74	7.2
4-Chlorotoluene		1.4	U J	1.1	7.2
Chlorobenzene		1.4	U	0.78	7.2
Chlorobromomethane		1.4	U	0.43	7.2
Chlorodibromomethane		1.4	U	0.82	7.2
Chloroform		1.4	U	0.42	14
Chloroethane		1.4	U	1.3	14
Chloromethane		1.4	U	1.1	14
cis-1,2-Dichloroethene		1.4	U	0.81	7.2
cis-1,3-Dichloropropene		2.9	U	1.9	7.2
Dibromomethane		1.4	U	1.2	7.2
Dichlorobromomethane		1.2	U	0.32	7.2
Dichlorodifluoromethane		1.4	U	0.75	14
Ethylbenzene		1.4	U	0.97	7.2
Hexachlorobutadiene		1.4	U J	0.79	7.2

wet 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5646.D
Dilution:	1.0			Initial Weight/Volume:	5.402 g
Analysis Date:	04/04/2012 1325			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte (DryWt Corrected: Y)	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene	1.4	U	0.85	7.2
Ethylene Dibromide	1.4	U	0.75	7.2
Methylene Chloride	3.7	J	2.3	7.2
Methyl tert-butyl ether	1.4	U	0.49	29
m-Xylene & p-Xylene	2.9	U	1.5	4.6
Naphthalene	1.0	J	0.91	7.2
n-Butylbenzene	1.4	U	0.81	7.2
N-Propylbenzene	1.4	U	0.84	7.2
o-Xylene	1.4	U	0.88	7.2
Styrene	1.4	U	0.91	7.2
sec-Butylbenzene	1.4	U	1.1	7.2
tert-Butylbenzene	1.4	U	0.72	7.2
trans-1,2-Dichloroethene	1.4	U	0.56	7.2
trans-1,3-Dichloropropene	1.4	U	0.97	7.2
Tetrachloroethene	1.4	U	0.85	7.2
Toluene	1.4	U	1.0	7.2
Trichloroethene	1.2	U	0.33	7.2
Trichlorofluoromethane	2.9	U	1.5	14
Vinyl chloride	2.9	U	1.9	7.2
1,4-Dioxane	120	U	81	720
1,1,2-Trichloro-1,2,2-trifluoroethane	29	U	0.65	29
1-Chlorohexane	1.2	U	0.91	7.2
Cyclohexane	2.3	U	0.58	7.2
Methyl acetate	5.8	U	4.0	12
Methylcyclohexane	1.2	U	0.61	7.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	117	Q	85 - 115
1,2-Dichloroethane-d4 (Surr)	92		61 - 129
4-Bromofluorobenzene (Surr)	122	Q	85 - 120
Dibromofluoromethane (Surr)	98		71 - 126

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10201AA

Lab Sample ID: 280-27123-2
Client Matrix: Solid

% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5647.D
Dilution:	1.0			Initial Weight/Volume:	4.856 g
Analysis Date:	04/04/2012 1346			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.7	U	0.97	8.6
1,1,1-Trichloroethane		1.7	U	0.90	8.6
1,2,3-Trichloropropane		1.7	U Ø J	1.4	8.6
1,2,3-Trichlorobenzene		1.7	U Ø J	1.3	8.6
1,1-Dichloroethane		1.4	U	0.36	8.6
1,2,4-Trichlorobenzene		1.7	U Ø J	1.3	8.6
1,2-Dibromo-3-Chloropropane		1.7	U Ø J	1.0	17
1,1-Dichloropropene		1.7	U	0.93	8.6
1,1-Dichloroethene		1.7	U	1.0	8.6
1,1,2-Trichloroethane		1.7	U	1.5	8.6
1,1,2,2-Tetrachloroethane		1.7	U Ø J	1.1	8.6
1,2,4-Trimethylbenzene		1.7	U Ø J	1.0	8.6
1,2-Dichlorobenzene		1.7	U Ø J	0.78	8.6
1,2-Dichloroethane		1.7	U	1.2	8.6
1,3-Dichlorobenzene		1.7	U Ø J	0.83	8.6
1,3-Dichloropropane		1.7	U	0.88	8.6
1,3,5-Trimethylbenzene		1.7	U Ø J	0.98	8.6
2-Butanone (MEK)		11	U	3.2	35
1,4-Dichlorobenzene		1.7	U Ø J	1.3	8.6
1,2-Dichloropropane		1.7	U	0.95	8.6
2,2-Dichloropropane		1.7	U	0.76	8.6
2-Hexanone		17	U	8.4	35
4-Methyl-2-pentanone (MIBK)		17	U	7.5	35
4-Isopropyltoluene		1.7	U Ø J	0.85	8.6
Benzene		1.7	U	0.81	8.6
Acetone		17	U	9.3	35
Bromobenzene		1.7	U Ø J	0.85	8.6
Bromoform		1.4	U	0.40	8.6
Bromomethane		1.7	U	0.86	17
Carbon tetrachloride		1.7	U	1.1	8.6
Carbon disulfide		1.7	U	0.73	8.6
2-Chlorotoluene		1.7	U Ø J	0.88	8.6
4-Chlorotoluene		1.7	U Ø J	1.3	8.6
Chlorobenzene		1.7	U	0.93	8.6
Chlorobromomethane		1.7	U	0.52	8.6
Chlorodibromomethane		1.7	U	0.98	8.6
Chloroform		1.7	U	0.50	17
Chloroethane		1.7	U	1.5	17
Chloromethane		1.7	U	1.3	17
cis-1,2-Dichloroethene		1.7	U	0.97	8.6
cis-1,3-Dichloropropene		3.5	U	2.2	8.6
Dibromomethane		1.7	U	1.5	8.6
Dichlorobromomethane		1.4	U	0.38	8.6
Dichlorodifluoromethane		1.7	U	0.90	17
Ethylbenzene		1.7	U	1.2	8.6
Hexachlorobutadiene		1.7	U Ø J	0.95	8.6

CMA 4/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10201AA

Lab Sample ID: 280-27123-2
Client Matrix: Solid

% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5647.D
Dilution:	1.0			Initial Weight/Volume:	4.856 g
Analysis Date:	04/04/2012 1346			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.7	U ~~J~~	1.0	8.6
Ethylene Dibromide		1.7	U	0.90	8.6
Methylene Chloride		4.1	J	2.8	8.6
Methyl tert-butyl ether		1.7	U	0.59	35
m-Xylene & p-Xylene		3.5	U	1.8	5.5
Naphthalene		1.7	U ~~J~~	1.1	8.6
n-Butylbenzene		1.7	U ~~J~~	0.97	8.6
N-Propylbenzene		1.7	U ~~J~~	1.0	8.6
o-Xylene		1.7	U	1.1	8.6
Styrene		1.7	U	1.1	8.6
sec-Butylbenzene		1.7	U ~~J~~	1.3	8.6
tert-Butylbenzene		1.7	U ~~J~~	0.86	8.6
trans-1,2-Dichloroethene		1.7	U	0.67	8.6
trans-1,3-Dichloropropene		1.7	U	1.2	8.6
Tetrachloroethene		1.7	U	1.0	8.6
Toluene		1.7	U	1.2	8.6
Trichloroethene		1.4	U	0.40	8.6
Trichlorofluoromethane		3.5	U	1.8	17
Vinyl chloride		3.5	U	2.3	8.6
1,4-Dioxane		140	U	97	860
1,1,2-Trichloro-1,2,2-trifluoroethane		35	U	0.78	35
1-Chlorohexane		1.4	U	1.1	8.6
Cyclohexane		2.8	U	0.69	8.6
Methyl acetate		6.9	U	4.7	15
Methylcyclohexane		1.4	U	0.73	8.6

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		85 - 115
1,2-Dichloroethane-d4 (Surr)	97		61 - 129
4-Bromofluorobenzene (Surr)	125	Q	85 - 120
Dibromofluoromethane (Surr)	101		71 - 126

Cust 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5648.D
Dilution:	1.0			Initial Weight/Volume:	4.876 g
Analysis Date:	04/04/2012 1408			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.6	U Q	0.89	7.9
1,1,1-Trichloroethane		1.6	U	0.82	7.9
1,2,3-Trichloropropane		1.6	U Q J	1.3	7.9
1,2,3-Trichlorobenzene		1.6	U Q J	1.2	7.9
1,1-Dichloroethane		1.3	U	0.33	7.9
1,2,4-Trichlorobenzene		1.6	U Q J	1.2	7.9
1,2-Dibromo-3-Chloropropane		1.6	U Q J	0.95	16
1,1-Dichloropropene		1.6	U	0.86	7.9
1,1-Dichloroethene		1.6	U	0.93	7.9
1,1,2-Trichloroethane		1.6	U	1.4	7.9
1,1,2,2-Tetrachloroethane		1.6	U Q J	0.97	7.9
1,2,4-Trimethylbenzene		1.6	U Q J	0.92	7.9
1,2-Dichlorobenzene		1.6	U Q J	0.71	7.9
1,2-Dichloroethane		1.6	U	1.1	7.9
1,3-Dichlorobenzene		1.6	U Q J	0.76	7.9
1,3-Dichloropropane		1.6	U Q	0.81	7.9
1,3,5-Trimethylbenzene		1.6	U Q J	0.90	7.9
2-Butanone (MEK)		10	U	2.9	32
1,4-Dichlorobenzene		1.6	U Q J	1.2	7.9
1,2-Dichloropropane		1.6	U	0.87	7.9
2,2-Dichloropropane		1.6	U	0.70	7.9
2-Hexanone		16	U	7.7	32
4-Methyl-2-pentanone (MIBK)		16	U	6.9	32
4-Isopropyltoluene		1.6	U Q J	0.78	7.9
Benzene		1.6	U	0.74	7.9
Acetone		16	U	8.5	32
Bromobenzene		1.6	U Q J	0.78	7.9
Bromoform		1.3	U Q	0.36	7.9
Bromomethane		1.6	U	0.79	16
Carbon tetrachloride		1.6	U	1.0	7.9
Carbon disulfide		1.6	U	0.67	7.9
2-Chlorotoluene		1.6	U Q J	0.81	7.9
4-Chlorotoluene		1.6	U Q J	1.2	7.9
Chlorobenzene		1.6	U Q	0.86	7.9
Chlorobromomethane		1.6	U	0.48	7.9
Chlorodibromomethane		1.6	U Q	0.90	7.9
Chloroform		1.6	U	0.46	16
Chloroethane		1.6	U	1.4	16
Chloromethane		1.6	U	1.2	16
cis-1,2-Dichloroethene		1.6	U	0.89	7.9
cis-1,3-Dichloropropene		3.2	U	2.0	7.9
Dibromomethane		1.6	U	1.3	7.9
Dichlorobromomethane		1.3	U	0.35	7.9
Dichlorodifluoromethane		1.6	U	0.82	16
Ethylbenzene		1.6	U Q	1.1	7.9
Hexachlorobutadiene		1.6	U Q J	0.87	7.9

CWH 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10301AA

Lab Sample ID: 280-27123-3
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5648.D
Dilution:	1.0			Initial Weight/Volume:	4.876 g
Analysis Date:	04/04/2012 1408			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.6	U J	0.93	7.9
Ethylene Dibromide		1.6	U	0.82	7.9
Methylene Chloride		4.2	J	2.5	7.9
Methyl tert-butyl ether		1.6	U	0.54	32
m-Xylene & p-Xylene		3.2	U	1.6	5.1
Naphthalene		1.6	U J	1.0	7.9
n-Butylbenzene		1.6	U J	0.89	7.9
N-Propylbenzene		1.6	U J	0.92	7.9
o-Xylene		1.6	U	0.97	7.9
Styrene		1.6	U	1.0	7.9
sec-Butylbenzene		1.6	U J	1.2	7.9
tert-Butylbenzene		1.6	U J	0.79	7.9
trans-1,2-Dichloroethene		1.6	U	0.62	7.9
trans-1,3-Dichloropropene		1.6	U	1.1	7.9
Tetrachloroethene		1.6	U	0.93	7.9
Toluene		1.6	U	1.1	7.9
Trichloroethene		1.3	U	0.36	7.9
Trichlorofluoromethane		3.2	U	1.6	16
Vinyl chloride		3.2	U	2.1	7.9
1,4-Dioxane		130	U	89	790
1,1,2-Trichloro-1,2,2-trifluoroethane		32	U	0.71	32
1-Chlorohexane		1.3	U	1.0	7.9
Cyclohexane		2.5	U	0.63	7.9
Methyl acetate		6.3	U	4.4	13
Methylcyclohexane		1.3	U	0.67	7.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	121	Q	85 - 115
1,2-Dichloroethane-d4 (Surr)	96		61 - 129
4-Bromofluorobenzene (Surr)	135	Q	85 - 120
Dibromofluoromethane (Surr)	100		71 - 126

mk 6/11/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10401AA

Lab Sample ID: 280-27123-4
Client Matrix: Solid

% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5390.D
Dilution:	1.0			Initial Weight/Volume:	5.092 g
Analysis Date:	04/06/2012 1101			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.5	U	0.81	7.3
1,1,1-Trichloroethane		1.5	U	0.76	7.3
1,2,3-Trichloropropane		1.5	U	1.2	7.3
1,2,3-Trichlorobenzene		1.5	U	1.1	7.3
1,1-Dichloroethane		1.2	U	0.30	7.3
1,2,4-Trichlorobenzene		1.5	U	1.1	7.3
1,2-Dibromo-3-Chloropropane		1.5	U	0.87	15
1,1-Dichloropropene		1.5	U	0.78	7.3
1,1-Dichloroethene		1.5	U	0.86	7.3
1,1,2-Trichloroethane		1.5	U	1.3	7.3
1,1,2,2-Tetrachloroethane		1.5	U	0.89	7.3
1,2,4-Trimethylbenzene		1.5	U	0.84	7.3
1,2-Dichlorobenzene		1.5	U	0.65	7.3
1,2-Dichloroethane		1.5	U	1.0	7.3
1,3-Dichlorobenzene		1.5	U	0.70	7.3
1,3-Dichloropropane		1.5	U	0.74	7.3
1,3,5-Trimethylbenzene		1.5	U	0.83	7.3
2-Butanone (MEK)		9.3	U	2.7	29
1,4-Dichlorobenzene		1.5	U	1.1	7.3
1,2-Dichloropropane		1.5	U	0.80	7.3
2,2-Dichloropropane		1.5	U	0.64	7.3
2-Hexanone		15	U	7.1	29
4-Methyl-2-pentanone (MIBK)		15	U	6.3	29
4-Isopropyltoluene		1.5	U	0.71	7.3
Benzene		1.5	U	0.68	7.3
Acetone		15	U	7.8	29
Bromobenzene		1.5	U	0.71	7.3
Bromoform		1.2	U	0.33	7.3
Bromomethane		1.5	U	0.73	15
Carbon tetrachloride		1.5	U	0.91	7.3
Carbon disulfide		1.5	U	0.61	7.3
2-Chlorotoluene		1.5	U	0.74	7.3
4-Chlorotoluene		1.5	U	1.1	7.3
Chlorobenzene		1.5	U	0.78	7.3
Chlorobromomethane		1.5	U	0.44	7.3
Chlorodibromomethane		1.5	U	0.83	7.3
Chloroform		1.5	U	0.42	15
Chloroethane		1.5	U	1.3	15
Chloromethane		1.5	U	1.1	15
cis-1,2-Dichloroethene		1.5	U	0.81	7.3
cis-1,3-Dichloropropene		2.9	U	1.9	7.3
Dibromomethane		1.5	U	1.2	7.3
Dichlorobromomethane		1.2	U	0.32	7.3
Dichlorodifluoromethane		1.5	U	0.76	15
Ethylbenzene		1.5	U	0.97	7.3
Hexachlorobutadiene		1.5	U	0.80	7.3

cnt 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10401AA

Lab Sample ID: 280-27123-4
Client Matrix: Solid

% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5390.D
Dilution:	1.0			Initial Weight/Volume:	5.092 g
Analysis Date:	04/06/2012 1101			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.5	U	0.86	7.3
Ethylene Dibromide		1.5	U	0.76	7.3
Methylene Chloride		4.6	U	2.3	7.3
Methyl tert-butyl ether		1.5	U	0.49	29
m-Xylene & p-Xylene		2.9	U	1.5	4.6
Naphthalene		1.5	U	0.91	7.3
n-Butylbenzene		1.5	U	0.81	7.3
N-Propylbenzene		1.5	U	0.84	7.3
o-Xylene		1.5	U	0.89	7.3
Styrene		1.5	U	0.91	7.3
sec-Butylbenzene		1.5	U	1.1	7.3
tert-Butylbenzene		1.5	U	0.73	7.3
trans-1,2-Dichloroethene		1.5	U	0.57	7.3
trans-1,3-Dichloropropene		1.5	U	0.97	7.3
Tetrachloroethene		1.5	U	0.86	7.3
Toluene		1.5	U	1.0	7.3
Trichloroethene		1.2	U	0.33	7.3
Trichlorofluoromethane		2.9	U	1.5	15
Vinyl chloride		2.9	U	1.9	7.3
1,4-Dioxane		120	U	81	730
1,1,2-Trichloro-1,2,2-trifluoroethane		29	U	0.65	29
1-Chlorohexane		1.2	U	0.91	7.3
Cyclohexane		2.3	U	0.58	7.3
Methyl acetate		5.8	U	4.0	12
Methylcyclohexane		1.2	U	0.61	7.3

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	120	Q	85 - 115
1,2-Dichloroethane-d4 (Surr)	82		61 - 129
4-Bromofluorobenzene (Surr)	121	Q	85 - 120
Dibromofluoromethane (Surr)	87		71 - 126

6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10501AA

Lab Sample ID: 280-27123-5
Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5660.D
Dilution:	1.0			Initial Weight/Volume:	4.536 g
Analysis Date:	04/04/2012 1823			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.7	U	0.96	8.6
1,1,1-Trichloroethane		1.7	U	0.90	8.6
1,2,3-Trichloropropane		1.7	U ⌀ J	1.4	8.6
1,2,3-Trichlorobenzene		1.7	U ⌀ J	1.3	8.6
1,1-Dichloroethane		1.4	U	0.36	8.6
1,2,4-Trichlorobenzene		1.7	U ⌀ J	1.3	8.6
1,2-Dibromo-3-Chloropropane		1.7	U ⌀ J	1.0	17
1,1-Dichloropropene		1.7	U	0.93	8.6
1,1-Dichloroethene		1.7	U	1.0	8.6
1,1,2-Trichloroethane		1.7	U	1.5	8.6
1,1,2,2-Tetrachloroethane		1.7	U ⌀ J	1.1	8.6
1,2,4-Trimethylbenzene		1.7	U ⌀ J	1.0	8.6
1,2-Dichlorobenzene		1.7	U ⌀ J	0.78	8.6
1,2-Dichloroethane		1.7	U	1.2	8.6
1,3-Dichlorobenzene		1.7	U ⌀ J	0.83	8.6
1,3-Dichloropropane		1.7	U	0.88	8.6
1,3,5-Trimethylbenzene		1.7	U ⌀ J	0.98	8.6
2-Butanone (MEK)		11	U	3.2	34
1,4-Dichlorobenzene		1.7	U ⌀ J	1.3	8.6
1,2-Dichloropropane		1.7	U	0.95	8.6
2,2-Dichloropropane		1.7	U	0.76	8.6
2-Hexanone		17	U	8.4	34
4-Methyl-2-pentanone (MIBK)		17	U	7.5	34
4-Isopropyltoluene		1.7	U ⌀ J	0.84	8.6
Benzene		1.7	U	0.81	8.6
Acetone		17	U	9.3	34
Bromobenzene		1.7	U ⌀ J	0.84	8.6
Bromoform		1.4	U	0.40	8.6
Bromomethane		1.7	U	0.86	17
Carbon tetrachloride		1.7	U	1.1	8.6
Carbon disulfide		1.7	U	0.72	8.6
2-Chlorotoluene		1.7	U ⌀ J	0.88	8.6
4-Chlorotoluene		1.7	U ⌀ J	1.3	8.6
Chlorobenzene		1.7	U	0.93	8.6
Chlorobromomethane		1.7	U	0.52	8.6
Chlorodibromomethane		1.7	U	0.98	8.6
Chloroform		1.7	U	0.50	17
Chloroethane		1.7	U	1.5	17
Chloromethane		1.7	U	1.3	17
cis-1,2-Dichloroethene		1.7	U	0.96	8.6
cis-1,3-Dichloropropene		3.4	U	2.2	8.6
Dibromomethane		1.7	U	1.4	8.6
Dichlorobromomethane		1.4	U	0.38	8.6
Dichlorodifluoromethane		1.7	U	0.90	17
Ethylbenzene		1.7	U	1.2	8.6
Hexachlorobutadiene		1.7	U ⌀ J	0.95	8.6

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10501AA

Lab Sample ID: 280-27123-5
Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5660.D
Dilution:	1.0			Initial Weight/Volume:	4.536 g
Analysis Date:	04/04/2012 1823			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.7	U, ~~J~~ J	1.0	8.6
Ethylene Dibromide		1.7	U	0.90	8.6
Methylene Chloride		5.5	U	2.8	8.6
Methyl tert-butyl ether		1.7	U	0.59	34
m-Xylene & p-Xylene		3.4	U	1.8	5.5
Naphthalene		1.6	J, ~~J~~	1.1	8.6
n-Butylbenzene		1.7	U, ~~J~~ J	0.96	8.6
N-Propylbenzene		1.7	U ~~J~~ J	1.0	8.6
o-Xylene		1.7	U	1.1	8.6
Styrene		1.7	U	1.1	8.6
sec-Butylbenzene		1.7	U, ~~J~~ J	1.3	8.6
tert-Butylbenzene		1.7	U ~~J~~ J	0.86	8.6
trans-1,2-Dichloroethene		1.7	U	0.67	8.6
trans-1,3-Dichloropropene		1.7	U	1.2	8.6
Tetrachloroethene		1.7	U	1.0	8.6
Toluene		1.7	U	1.2	8.6
Trichloroethene		1.4	U	0.40	8.6
Trichlorofluoromethane		3.4	U	1.8	17
Vinyl chloride		3.4	U	2.3	8.6
1,4-Dioxane		140	U	97	860
1,1,2-Trichloro-1,2,2-trifluoroethane		34	U	0.78	34
1-Chlorohexane		1.4	U	1.1	8.6
Cyclohexane		2.8	U	0.69	8.6
Methyl acetate		6.9	U	4.7	15
Methylcyclohexane		1.4	U	0.72	8.6

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	106		85 - 115
1,2-Dichloroethane-d4 (Surr)	94		61 - 129
4-Bromofluorobenzene (Surr)	126	Q	85 - 120
Dibromofluoromethane (Surr)	95		71 - 126

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6
Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5656.D
Dilution:	1.0			Initial Weight/Volume:	4.834 g
Analysis Date:	04/04/2012 1658			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.2	U	0.70	6.2
1,1,1-Trichloroethane		1.2	U	0.65	6.2
1,2,3-Trichloropropane		1.2	U	1.0	6.2
1,2,3-Trichlorobenzene		1.2	U	0.93	6.2
1,1-Dichloroethane		0.99	U	0.26	6.2
1,2,4-Trichlorobenzene		1.2	U	0.91	6.2
1,2-Dibromo-3-Chloropropane		1.2	U	0.75	12
1,1-Dichloropropene		1.2	U	0.67	6.2
1,1-Dichloroethene		1.2	U	0.73	6.2
1,1,2-Trichloroethane		1.2	U	1.1	6.2
1,1,2,2-Tetrachloroethane		1.2	U	0.76	6.2
1,2,4-Trimethylbenzene		1.2	U	0.72	6.2
1,2-Dichlorobenzene		1.2	U	0.56	6.2
1,2-Dichloroethane		1.2	U	0.87	6.2
1,3-Dichlorobenzene		1.2	U	0.60	6.2
1,3-Dichloropropane		1.2	U	0.63	6.2
1,3,5-Trimethylbenzene		1.2	U	0.71	6.2
2-Butanone (MEK)		8.0	U	2.3	25
1,4-Dichlorobenzene		1.2	U	0.97	6.2
1,2-Dichloropropane		1.2	U	0.68	6.2
2,2-Dichloropropane		1.2	U	0.55	6.2
2-Hexanone		12	U	6.1	25
4-Methyl-2-pentanone (MIBK)		12	U	5.4	25
4-Isopropyltoluene		1.2	U	0.61	6.2
Benzene		1.2	U	0.58	6.2
Acetone		12	U	6.7	25
Bromobenzene		1.2	U	0.61	6.2
Bromoform		0.99	U	0.29	6.2
Bromomethane		1.2	U	0.62	12
Carbon tetrachloride		1.2	U	0.78	6.2
Carbon disulfide		1.2	U	0.52	6.2
2-Chlorotoluene		1.2	U	0.63	6.2
4-Chlorotoluene		1.2	U	0.97	6.2
Chlorobenzene		1.2	U	0.67	6.2
Chlorobromomethane		1.2	U	0.37	6.2
Chlorodibromomethane		1.2	U	0.71	6.2
Chloroform		1.2	U	0.36	12
Chloroethane		1.2	U	1.1	12
Chloromethane		1.2	U	0.96	12
cis-1,2-Dichloroethene		1.2	U	0.70	6.2
cis-1,3-Dichloropropene		2.5	U	1.6	6.2
Dibromomethane		1.2	U	1.0	6.2
Dichlorobromomethane		0.99	U	0.27	6.2
Dichlorodifluoromethane		1.2	U	0.65	12
Ethylbenzene		1.2	U	0.83	6.2
Hexachlorobutadiene		1.2	U	0.68	6.2

CWA 4/11/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10502AA

Lab Sample ID: 280-27123-6
Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5656.D
Dilution:	1.0			Initial Weight/Volume:	4.834 g
Analysis Date:	04/04/2012 1658			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.2	U	0.73	6.2
Ethylene Dibromide		1.2	U	0.65	6.2
Methylene Chloride		3.0	J	2.0	6.2
Methyl tert-butyl ether		1.2	U	0.42	25
m-Xylene & p-Xylene		2.5	U	1.3	4.0
Naphthalene		1.2	U	0.78	6.2
n-Butylbenzene		1.2	U	0.70	6.2
N-Propylbenzene		1.2	U	0.72	6.2
o-Xylene		1.2	U	0.76	6.2
Styrene		1.2	U	0.78	6.2
sec-Butylbenzene		1.2	U	0.96	6.2
tert-Butylbenzene		1.2	U	0.62	6.2
trans-1,2-Dichloroethene		1.2	U	0.48	6.2
trans-1,3-Dichloropropene		1.2	U	0.83	6.2
Tetrachloroethene		1.2	U	0.73	6.2
Toluene		1.2	U	0.86	6.2
Trichloroethene		0.99	U	0.29	6.2
Trichlorofluoromethane		2.5	U	1.3	12
Vinyl chloride		2.5	U	1.7	6.2
1,4-Dioxane		99	U	70	620
1,1,2-Trichloro-1,2,2-trifluoroethane		25	U	0.56	25
1-Chlorohexane		0.99	U	0.78	6.2
Cyclohexane		2.0	U	0.50	6.2
Methyl acetate		5.0	U	3.4	11
Methylcyclohexane		0.99	U	0.52	6.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		85 - 115
1,2-Dichloroethane-d4 (Surr)	91		61 - 129
4-Bromofluorobenzene (Surr)	99		85 - 120
Dibromofluoromethane (Surr)	92		71 - 126

6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5661.D
Dilution:	1.0			Initial Weight/Volume:	5.008 g
Analysis Date:	04/04/2012 1844			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.5	U	0.86	7.7
1,1,1-Trichloroethane		1.5	U	0.80	7.7
1,2,3-Trichloropropane		1.5	U ~~J~~	1.2	7.7
1,2,3-Trichlorobenzene		1.5	U ~~J~~	1.2	7.7
1,1-Dichloroethane		1.2	U	0.32	7.7
1,2,4-Trichlorobenzene		1.5	U ~~J~~	1.1	7.7
1,2-Dibromo-3-Chloropropane		1.5	U ~~J~~	0.93	15
1,1-Dichloropropene		1.5	U	0.83	7.7
1,1-Dichloroethene		1.5	U	0.91	7.7
1,1,2-Trichloroethane		1.5	U	1.4	7.7
1,1,2,2-Tetrachloroethane		1.5	U ~~J~~	0.94	7.7
1,2,4-Trimethylbenzene		1.5	U ~~J~~	0.89	7.7
1,2-Dichlorobenzene		1.5	U ~~J~~	0.69	7.7
1,2-Dichloroethane		1.5	U	1.1	7.7
1,3-Dichlorobenzene		1.5	U ~~J~~	0.74	7.7
1,3-Dichloropropane		1.5	U	0.79	7.7
1,3,5-Trimethylbenzene		1.5	U ~~J~~	0.88	7.7
2-Butanone (MEK)		9.9	U	2.8	31
1,4-Dichlorobenzene		1.5	U ~~J~~	1.2	7.7
1,2-Dichloropropane		1.5	U	0.85	7.7
2,2-Dichloropropane		1.5	U	0.68	7.7
2-Hexanone		15	U	7.5	31
4-Methyl-2-pentanone (MIBK)		15	U	6.7	31
4-Isopropyltoluene		1.5	U ~~J~~	0.76	7.7
Benzene		1.5	U	0.73	7.7
Acetone		15	U	8.3	31
Bromobenzene		1.5	U ~~J~~	0.76	7.7
Bromoform		1.2	U	0.35	7.7
Bromomethane		1.5	U	0.77	15
Carbon tetrachloride		1.5	U	0.97	7.7
Carbon disulfide		1.5	U	0.65	7.7
2-Chlorotoluene		1.5	U ~~J~~	0.79	7.7
4-Chlorotoluene		1.5	U ~~J~~	1.2	7.7
Chlorobenzene		1.5	U	0.83	7.7
Chlorobromomethane		1.5	U	0.46	7.7
Chlorodibromomethane		1.5	U	0.88	7.7
Chloroform		1.5	U	0.45	15
Chloroethane		1.5	U	1.4	15
Chloromethane		1.5	U	1.2	15
cis-1,2-Dichloroethene		1.5	U	0.86	7.7
cis-1,3-Dichloropropene		3.1	U	2.0	7.7
Dibromomethane		1.5	U	1.3	7.7
Dichlorobromomethane		1.2	U	0.34	7.7
Dichlorodifluoromethane		1.5	U	0.80	15
Ethylbenzene		1.5	U	1.0	7.7
Hexachlorobutadiene		1.5	U ~~J~~	0.85	7.7

mk 6/11/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10601AA

Lab Sample ID: 280-27123-7
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5661.D
Dilution:	1.0			Initial Weight/Volume:	5.008 g
Analysis Date:	04/04/2012 1844			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.5	U ~~J~~	0.91	7.7
Ethylene Dibromide		1.5	U	0.80	7.7
Methylene Chloride		3.5	J	2.5	7.7
Methyl tert-butyl ether		1.5	U	0.52	31
m-Xylene & p-Xylene		3.1	U	1.6	4.9
Naphthalene		1.5	U ~~J~~	0.97	7.7
n-Butylbenzene		1.5	U ~~J~~	0.86	7.7
N-Propylbenzene		1.5	U ~~J~~	0.89	7.7
o-Xylene		1.5	U	0.94	7.7
Styrene		1.5	U	0.97	7.7
sec-Butylbenzene		1.5	U ~~J~~	1.2	7.7
tert-Butylbenzene		1.5	U ~~J~~	0.77	7.7
trans-1,2-Dichloroethene		1.5	U	0.60	7.7
trans-1,3-Dichloropropene		1.5	U	1.0	7.7
Tetrachloroethene		1.5	U	0.91	7.7
Toluene		1.5	U	1.1	7.7
Trichloroethene		1.2	U	0.35	7.7
Trichlorofluoromethane		3.1	U	1.6	15
Vinyl chloride		3.1	U	2.1	7.7
1,4-Dioxane		120	U	87	770
1,1,2-Trichloro-1,2,2-trifluoroethane		31	U	0.69	31
1-Chlorohexane		1.2	U	0.97	7.7
Cyclohexane		2.5	U	0.62	7.7
Methyl acetate		6.2	U	4.2	13
Methylcyclohexane		1.2	U	0.65	7.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	114		85 - 115
1,2-Dichloroethane-d4 (Surr)	108		61 - 129
4-Bromofluorobenzene (Surr)	135	Q	85 - 120
Dibromofluoromethane (Surr)	102		71 - 126

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10602AA

Lab Sample ID: 280-27123-8
Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5662.D
Dilution:	1.0			Initial Weight/Volume:	4.818 g
Analysis Date:	04/04/2012 1905			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.2	U	0.68	6.0
1,1,1-Trichloroethane		1.2	U	0.63	6.0
1,2,3-Trichloropropane		1.2	U	0.98	6.0
1,2,3-Trichlorobenzene		1.2	U	0.91	6.0
1,1-Dichloroethane		0.97	U	0.25	6.0
1,2,4-Trichlorobenzene		1.2	U	0.88	6.0
1,2-Dibromo-3-Chloropropane		1.2	U	0.72	12
1,1-Dichloropropene		1.2	U	0.65	6.0
1,1-Dichloroethene		1.2	U	0.71	6.0
1,1,2-Trichloroethane		1.2	U	1.1	6.0
1,1,2,2-Tetrachloroethane		1.2	U	0.74	6.0
1,2,4-Trimethylbenzene		1.2	U	0.70	6.0
1,2-Dichlorobenzene		1.2	U	0.54	6.0
1,2-Dichloroethane		1.2	U	0.85	6.0
1,3-Dichlorobenzene		1.2	U	0.58	6.0
1,3-Dichloropropane		1.2	U	0.62	6.0
1,3,5-Trimethylbenzene		1.2	U	0.69	6.0
2-Butanone (MEK)		7.7	U	2.2	24
1,4-Dichlorobenzene		1.2	U	0.94	6.0
1,2-Dichloropropane		1.2	U	0.66	6.0
2,2-Dichloropropane		1.2	U	0.53	6.0
2-Hexanone		12	U	5.9	24
4-Methyl-2-pentanone (MIBK)		12	U	5.3	24
4-Isopropyltoluene		1.2	U	0.59	6.0
Benzene		1.2	U	0.57	6.0
Acetone		12	U	6.5	24
Bromobenzene		1.2	U	0.59	6.0
Bromoform		0.97	U	0.28	6.0
Bromomethane		1.2	U	0.60	12
Carbon tetrachloride		1.2	U	0.76	6.0
Carbon disulfide		1.2	U	0.51	6.0
2-Chlorotoluene		1.2	U	0.62	6.0
4-Chlorotoluene		1.2	U	0.94	6.0
Chlorobenzene		1.2	U	0.65	6.0
Chlorobromomethane		1.2	U	0.36	6.0
Chlorodibromomethane		1.2	U	0.69	6.0
Chloroform		1.2	U	0.35	12
Chloroethane		1.2	U	1.1	12
Chloromethane		1.2	U	0.93	12
cis-1,2-Dichloroethene		1.2	U	0.68	6.0
cis-1,3-Dichloropropene		2.4	U	1.6	6.0
Dibromomethane		1.2	U	1.0	6.0
Dichlorobromomethane		0.97	U	0.27	6.0
Dichlorodifluoromethane		1.2	U	0.63	12
Ethylbenzene		1.2	U	0.81	6.0
Hexachlorobutadiene		1.2	U	0.66	6.0

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10602AA

Lab Sample ID: 280-27123-8
Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5662.D
Dilution:	1.0			Initial Weight/Volume:	4.818 g
Analysis Date:	04/04/2012 1905			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.2	U	0.71	6.0
Ethylene Dibromide		1.2	U	0.63	6.0
Methylene Chloride		2.9	J	1.9	6.0
Methyl tert-butyl ether		1.2	U	0.41	24
m-Xylene & p-Xylene		2.4	U	1.3	3.9
Naphthalene		1.2	U	0.76	6.0
n-Butylbenzene		1.2	U	0.68	6.0
N-Propylbenzene		1.2	U	0.70	6.0
o-Xylene		1.2	U	0.74	6.0
Styrene		1.2	U	0.76	6.0
sec-Butylbenzene		1.2	U	0.93	6.0
tert-Butylbenzene		1.2	U	0.60	6.0
trans-1,2-Dichloroethene		1.2	U	0.47	6.0
trans-1,3-Dichloropropene		1.2	U	0.81	6.0
Tetrachloroethene		1.2	U	0.71	6.0
Toluene		1.2	U	0.83	6.0
Trichloroethene		0.97	U	0.28	6.0
Trichlorofluoromethane		2.4	U	1.3	12
Vinyl chloride		2.4	U	1.6	6.0
1,4-Dioxane		97	U	68	600
1,1,2-Trichloro-1,2,2-trifluoroethane		24	U	0.54	24
1-Chlorohexane		0.97	U	0.76	6.0
Cyclohexane		1.9	U	0.48	6.0
Methyl acetate		4.8	U	3.3	10
Methylcyclohexane		0.97	U	0.51	6.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		85 - 115
1,2-Dichloroethane-d4 (Surr)	95		61 - 129
4-Bromofluorobenzene (Surr)	96		85 - 120
Dibromofluoromethane (Surr)	95		71 - 126

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10701AA

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5394.D
Dilution:	1.0			Initial Weight/Volume:	5.012 g
Analysis Date:	04/06/2012 1217			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.4	U ✓	0.79	7.1
1,1,1-Trichloroethane		1.4	U	0.74	7.1
1,2,3-Trichloropropane		1.4	U	1.1	7.1
1,2,3-Trichlorobenzene		1.4	U	1.1	7.1
1,1-Dichloroethane		1.1	U	0.30	7.1
1,2,4-Trichlorobenzene		1.4	U	1.0	7.1
1,2-Dibromo-3-Chloropropane		1.4	U	0.85	14
1,1-Dichloropropene		1.4	U	0.77	7.1
1,1-Dichloroethene		1.4	U	0.84	7.1
1,1,2-Trichloroethane		1.4	U	1.2	7.1
1,1,2,2-Tetrachloroethane		1.4	U	0.86	7.1
1,2,4-Trimethylbenzene		1.4	U	0.82	7.1
1,2-Dichlorobenzene		1.4	U	0.64	7.1
1,2-Dichloroethane		1.4	U	0.99	7.1
1,3-Dichlorobenzene		1.4	U	0.68	7.1
1,3-Dichloropropane		1.4	U ✓	0.72	7.1
1,3,5-Trimethylbenzene		1.4	U	0.81	7.1
2-Butanone (MEK)		9.1	U	2.6	28
1,4-Dichlorobenzene		1.4	U	1.1	7.1
1,2-Dichloropropane		1.4	U	0.78	7.1
2,2-Dichloropropane		1.4	U	0.62	7.1
2-Hexanone		14	U	6.9	28
4-Methyl-2-pentanone (MIBK)		14	U	6.2	28
4-Isopropyltoluene		1.4	U	0.69	7.1
Benzene		1.4	U	0.67	7.1
Acetone		14	U	7.6	28
Bromobenzene		1.4	U	0.69	7.1
Bromoform		1.1	U ✓	0.33	7.1
Bromomethane		1.4	U	0.71	14
Carbon tetrachloride		1.4	U	0.89	7.1
Carbon disulfide		1.4	U	0.60	7.1
2-Chlorotoluene		1.4	U	0.72	7.1
4-Chlorotoluene		1.4	U	1.1	7.1
Chlorobenzene		1.4	U ✓	0.77	7.1
Chlorobromomethane		1.4	U	0.43	7.1
Chlorodibromomethane		1.4	U ✓	0.81	7.1
Chloroform		1.4	U	0.41	14
Chloroethane		1.4	U	1.3	14
Chloromethane		1.4	U	1.1	14
cis-1,2-Dichloroethene		1.4	U	0.79	7.1
cis-1,3-Dichloropropene		2.8	U	1.8	7.1
Dibromomethane		1.4	U	1.2	7.1
Dichlorobromomethane		1.1	U	0.31	7.1
Dichlorodifluoromethane		1.4	U	0.74	14
Ethylbenzene		1.4	U ✓	0.95	7.1
Hexachlorobutadiene		1.4	U	0.78	7.1

CWK 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5394.D
Dilution:	1.0			Initial Weight/Volume:	5.012 g
Analysis Date:	04/06/2012 1217			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.4	U	0.84	7.1
Ethylene Dibromide		1.4	U	0.74	7.1
Methylene Chloride		4.5	U	2.3	7.1
Methyl tert-butyl ether		1.4	U	0.48	28
m-Xylene & p-Xylene		2.8	U	1.5	4.5
Naphthalene		1.4	U	0.89	7.1
n-Butylbenzene		1.4	U	0.79	7.1
N-Propylbenzene		1.4	U	0.82	7.1
o-Xylene		1.4	U	0.86	7.1
Styrene		1.4	U	0.89	7.1
sec-Butylbenzene		1.4	U	1.1	7.1
tert-Butylbenzene		1.4	U	0.71	7.1
trans-1,2-Dichloroethene		1.4	U	0.55	7.1
trans-1,3-Dichloropropene		1.4	U	0.95	7.1
Tetrachloroethene		1.4	U	0.84	7.1
Toluene		1.4	U	0.98	7.1
Trichloroethene		1.1	U	0.33	7.1
Trichlorofluoromethane		2.8	U	1.5	14
Vinyl chloride		2.8	U	1.9	7.1
1,4-Dioxane		110	U	80	710
1,1,2-Trichloro-1,2,2-trifluoroethane		28	U	0.64	28
1-Chlorohexane		1.1	U	0.89	7.1
Cyclohexane		2.3	U	0.57	7.1
Methyl acetate		5.7	U	3.9	12
Methylcyclohexane		1.1	U	0.60	7.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	117	Q	85 - 115
1,2-Dichloroethane-d4 (Surr)	82		61 - 129
4-Bromofluorobenzene (Surr)	117		85 - 120
Dibromofluoromethane (Surr)	87		71 - 126

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10702AA

Lab Sample ID: 280-27123-10
Client Matrix: Solid

% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5395.D
Dilution:	1.0			Initial Weight/Volume:	5.047 g
Analysis Date:	04/06/2012 1236			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.3	U	0.71	6.4
1,1,1-Trichloroethane		1.3	U	0.66	6.4
1,2,3-Trichloropropane		1.3	U	1.0	6.4
1,2,3-Trichlorobenzene		1.3	U	0.95	6.4
1,1-Dichloroethane		1.0	U	0.27	6.4
1,2,4-Trichlorobenzene		1.3	U	0.93	6.4
1,2-Dibromo-3-Chloropropane		1.3	U	0.76	13
1,1-Dichloropropene		1.3	U	0.69	6.4
1,1-Dichloroethene		1.3	U	0.75	6.4
1,1,2-Trichloroethane		1.3	U	1.1	6.4
1,1,2,2-Tetrachloroethane		1.3	U	0.78	6.4
1,2,4-Trimethylbenzene		1.3	U	0.74	6.4
1,2-Dichlorobenzene		1.3	U	0.57	6.4
1,2-Dichloroethane		1.3	U	0.89	6.4
1,3-Dichlorobenzene		1.3	U	0.61	6.4
1,3-Dichloropropane		1.3	U	0.65	6.4
1,3,5-Trimethylbenzene		1.3	U	0.73	6.4
2-Butanone (MEK)		8.1	U	2.3	25
1,4-Dichlorobenzene		1.3	U	0.99	6.4
1,2-Dichloropropane		1.3	U	0.70	6.4
2,2-Dichloropropane		1.3	U	0.56	6.4
2-Hexanone		13	U	6.2	25
4-Methyl-2-pentanone (MIBK)		13	U	5.5	25
4-Isopropyltoluene		1.3	U	0.62	6.4
Benzene		1.3	U	0.60	6.4
Acetone		13	U	6.8	25
Bromobenzene		1.3	U	0.62	6.4
Bromoform		1.0	U	0.29	6.4
Bromomethane		1.3	U	0.64	13
Carbon tetrachloride		1.3	U	0.80	6.4
Carbon disulfide		1.3	U	0.53	6.4
2-Chlorotoluene		1.3	U	0.65	6.4
4-Chlorotoluene		1.3	U	0.99	6.4
Chlorobenzene		1.3	U	0.69	6.4
Chlorobromomethane		1.3	U	0.38	6.4
Chlorodibromomethane		1.3	U	0.73	6.4
Chloroform		1.3	U	0.37	13
Chloroethane		1.3	U	1.1	13
Chloromethane		1.3	U	0.98	13
cis-1,2-Dichloroethene		1.3	U	0.71	6.4
cis-1,3-Dichloropropene		2.5	U	1.6	6.4
Dibromomethane		1.3	U	1.1	6.4
Dichlorobromomethane		1.0	U	0.28	6.4
Dichlorodifluoromethane		1.3	U	0.66	13
Ethylbenzene		1.3	U	0.85	6.4
Hexachlorobutadiene		1.3	U	0.70	6.4

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10702AA

Lab Sample ID: 280-27123-10
Client Matrix: Solid

% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5395.D
Dilution:	1.0			Initial Weight/Volume:	5.047 g
Analysis Date:	04/06/2012 1236			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte (DryWt Corrected: Y)	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene	1.3	U	0.75	6.4
Ethylene Dibromide	1.3	U	0.66	6.4
Methylene Chloride	4.1	U	2.0	6.4
Methyl tert-butyl ether	1.3	U	0.43	25
m-Xylene & p-Xylene	2.5	U	1.3	4.1
Naphthalene	1.3	U	0.80	6.4
n-Butylbenzene	1.3	U	0.71	6.4
N-Propylbenzene	1.3	U	0.74	6.4
o-Xylene	1.3	U	0.78	6.4
Styrene	1.3	U	0.80	6.4
sec-Butylbenzene	1.3	U	0.98	6.4
tert-Butylbenzene	1.3	U	0.64	6.4
trans-1,2-Dichloroethene	1.3	U	0.50	6.4
trans-1,3-Dichloropropene	1.3	U	0.85	6.4
Tetrachloroethene	1.3	U	0.75	6.4
Toluene	1.3	U	0.88	6.4
Trichloroethene	1.0	U	0.29	6.4
Trichlorofluoromethane	2.5	U	1.3	13
Vinyl chloride	2.5	U	1.7	6.4
1,4-Dioxane	100	U	71	640
1,1,2-Trichloro-1,2,2-trifluoroethane	25	U	0.57	25
1-Chlorohexane	1.0	U	0.80	6.4
Cyclohexane	2.0	U	0.51	6.4
Methyl acetate	5.1	U	3.5	11
Methylcyclohexane	1.0	U	0.53	6.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	115		85 - 115
1,2-Dichloroethane-d4 (Surr)	81		61 - 129
4-Bromofluorobenzene (Surr)	117		85 - 120
Dibromofluoromethane (Surr)	86		71 - 126

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: 032712AE

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4249.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0829			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0829				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
1,3,5-Trimethylbenzene	0.80	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
Acetone	7.1	J	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	1.6	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: 032712AE

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4249.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0829			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0829				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.12	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.40	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.14	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	103		85 - 115
Toluene-d8 (Surr)	107		85 - 120

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AF**

Lab Sample ID: 280-27123-12FB
Client Matrix: Water

Date Sampled: 03/27/2012 1319
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4250.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0852			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0852				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
1,3,5-Trimethylbenzene	0.80	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
Acetone	6.9	J	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	1.6	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: 032712AF

Lab Sample ID: 280-27123-12FB
Client Matrix: Water

Date Sampled: 03/27/2012 1319
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4250.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0852			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0852				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.12	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.40	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.14	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 120
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	108		85 - 115
Toluene-d8 (Surr)	104		85 - 120

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: 032712AR

Lab Sample ID: 280-27123-13TB
Client Matrix: Water

Date Sampled: 03/27/2012 0935
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4251.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0916			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0916				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
1,3,5-Trimethylbenzene	0.80	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
Acetone	6.4	U	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	1.6	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: 032712AR

Lab Sample ID: 280-27123-13TB
Client Matrix: Water

Date Sampled: 03/27/2012 0935
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4251.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0916			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0916				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.12	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.40	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.14	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 120
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane (Surr)	103		85 - 115
Toluene-d8 (Surr)	104		85 - 120

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0140.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/18/2012 2150			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		51	U	78	510
1,2,4,5-Tetrachlorobenzene		100	U	76	510
1,2,4-Trichlorobenzene		51	U	44	510
1,2-Dichlorobenzene		51	U	34	510
1,2-Diphenylhydrazine		51	U	34	510
1,3-Dichlorobenzene		51	U	19	510
1,4-Dichlorobenzene		51	U	21	510
2,2'-oxybis[1-chloropropane]		51	U	36	510
2,3,4,6-Tetrachlorophenol		51	U	210	2500
2,4,5-Trichlorophenol		200	U	16	510
2,4,6-Trichlorophenol		100	U	16	510
2,4-Dichlorophenol		100	U	16	510
2,4-Dimethylphenol		200	U	100	510
2,4-Dinitrophenol		1000	U	520	2500
2,4-Dinitrotoluene		200	U	100	510
2,6-Dichlorophenol		200	U	110	510
2,6-Dinitrotoluene		100	U	44	510
2-Chloronaphthalene		51	U	16	510
2-Chlorophenol		51	U	33	510
2-Methylnaphthalene		51	U	30	510
2-Methylphenol		51	U	20	510
2-Nitroaniline		100	U	78	2500
2-Nitrophenol		100	U	16	510
3 & 4 Methylphenol		100	U	51	510
3,3'-Dichlorobenzidine		510	U	140	2500
3-Nitroaniline		210	U	110	2500
4,6-Dinitro-2-methylphenol		1000	U	510	2500
4-Bromophenyl phenyl ether		51	U	30	510
4-Chloro-3-methylphenol		200	U	100	510
4-Chloroaniline		200	U	130	510
4-Chlorophenyl phenyl ether		100	U	33	510
4-Nitroaniline		200	U	110	2500
4-Nitrophenol		510	U	150	2500
Acenaphthene		31	J	16	510
Acenaphthylene		42	J	27	510
Acetophenone		51	U	31	510
Anthracene		86	J	27	510
Atrazine		200	U	58	510
Benzaldehyde		100	U	61	510
Benzidine		6200	U	1500	6200
Benzo[a]anthracene		270	J	31	510
Benzo[a]pyrene		370	J	31	510
Benzo[b]fluoranthene		770	~~K~~ J	41	510
Benzo[g,h,i]perylene		280	J	25	510
Benzo[k]fluoranthene		100	U,~~K~~ J	62	510
Benzoic acid		1000	U	510	2500

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Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10101AA

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0140.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/18/2012 2150			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		52	J	16	510
Bis(2-chloroethoxy)methane		100	U	36	510
Bis(2-chloroethyl)ether		51	U	26	510
Bis(2-ethylhexyl) phthalate		100	U	72	510
Butyl benzyl phthalate		100	U	67	510
Caprolactam		510	U	170	2500
Carbazole		100	U	56	510
Chrysene		370	J	42	510
Dibenz(a,h)anthracene		230	J	30	510
Dibenzofuran		40	J	31	510
Diethyl phthalate		51	U	41	1000
Dimethyl phthalate		51	U	36	510
Di-n-butyl phthalate		51	U	45	510
Di-n-octyl phthalate		100	U	22	510
Fluoranthene		640		56	510
Fluorene		46	J	28	510
Hexachlorobenzene		100	U	45	510
Hexachlorobutadiene		100	U	16	510
Hexachlorocyclopentadiene		100	U	78	2700
Hexachloroethane		51	U	33	510
Indeno[1,2,3-cd]pyrene		310	J	34	510
Isophorone		51	U	27	510
Naphthalene		100	U	48	510
Nitrobenzene		51	U	34	510
N-Nitrosodimethylamine		100	U	58	810
N-Nitrosodi-n-propylamine		100	U	48	510
N-Nitrosodiphenylamine		51	U	33	510
N-Nitrosopyrrolidine		200	U	100	510
Pentachlorophenol		1000	U	510	2500
Phenanthrene		470	J	27	510
Phenol		51	U	28	510
Pyrene		550	J	19	620

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	85		35 - 125
2-Fluorobiphenyl	78		45 - 105
2-Fluorophenol (Surr)	74		35 - 105
Nitrobenzene-d5 (Surr)	69		35 - 100
Phenol-d5 (Surr)	79		40 - 100
Terphenyl-d14 (Surr)	88		30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10201AA

Lab Sample ID: 280-27123-2
Client Matrix: Solid

% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0141.D
Dilution:	1.0			Initial Weight/Volume:	32.4 g
Analysis Date:	04/18/2012 2209			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		51	U	78	510
1,2,4,5-Tetrachlorobenzene		100	U	76	510
1,2,4-Trichlorobenzene		51	U	43	510
1,2-Dichlorobenzene		51	U	34	510
1,2-Diphenylhydrazine		51	U	34	510
1,3-Dichlorobenzene		51	U	19	510
1,4-Dichlorobenzene		51	U	21	510
2,2'-oxybis[1-chloropropane]		51	U	36	510
2,3,4,6-Tetrachlorophenol		51	U	210	2500
2,4,5-Trichlorophenol		200	U	16	510
2,4,6-Trichlorophenol		100	U	16	510
2,4-Dichlorophenol		100	U	16	510
2,4-Dimethylphenol		200	U	100	510
2,4-Dinitrophenol		1000	U	520	2500
2,4-Dinitrotoluene		200	U	100	510
2,6-Dichlorophenol		200	U	110	510
2,6-Dinitrotoluene		100	U	43	510
2-Chloronaphthalene		51	U	16	510
2-Chlorophenol		51	U	33	510
2-Methylnaphthalene		51	U	30	510
2-Methylphenol		51	U	20	510
2-Nitroaniline		100	U	78	2500
2-Nitrophenol		100	U	16	510
3 & 4 Methylphenol		100	U	51	510
3,3'-Dichlorobenzidine		510	U	140	2500
3-Nitroaniline		210	U	110	2500
4,6-Dinitro-2-methylphenol		1000	U	510	2500
4-Bromophenyl phenyl ether		51	U	30	510
4-Chloro-3-methylphenol		200	U	100	510
4-Chloroaniline		200	U	130	510
4-Chlorophenyl phenyl ether		100	U	33	510
4-Nitroaniline		200	U	110	2500
4-Nitrophenol		510	U	150	2500
Acenaphthene		40	J	16	510
Acenaphthylene		130	J	26	510
Acetophenone		51	U	31	510
Anthracene		230	J	26	510
Atrazine		200	U	57	510
Benzaldehyde		100	U	61	510
Benzidine		6100	U	1500	6200
Benzo[a]anthracene		740		31	510
Benzo[a]pyrene		890		31	510
Benzo[b]fluoranthene		2000	KJ	41	510
Benzo[g,h,i]perylene		860		25	510
Benzo[k]fluoranthene		100	UKJ	62	510
Benzoic acid		1900	J	510	2500

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Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10201AA

Lab Sample ID: 280-27123-2
Client Matrix: Solid

% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0141.D
Dilution:	1.0			Initial Weight/Volume:	32.4 g
Analysis Date:	04/18/2012 2209			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		83	J	16	510
Bis(2-chloroethoxy)methane		100	U	36	510
Bis(2-chloroethyl)ether		51	U	26	510
Bis(2-ethylhexyl) phthalate		100	U	71	510
Butyl benzyl phthalate		100	U	67	510
Caprolactam		510	U	160	2500
Carbazole		170	J	56	510
Chrysene		1100		42	510
Dibenz(a,h)anthracene		360	J	30	510
Dibenzofuran		120	J	31	510
Diethyl phthalate		51	U	40	1000
Dimethyl phthalate		51	U	36	510
Di-n-butyl phthalate		51	U	45	510
Di-n-octyl phthalate		100	U	22	510
Fluoranthene		2100		56	510
Fluorene		100	J	28	510
Hexachlorobenzene		100	U	45	510
Hexachlorobutadiene		100	U	16	510
Hexachlorocyclopentadiene		100	U	78	2600
Hexachloroethane		51	U	33	510
Indeno[1,2,3-cd]pyrene		760		34	510
Isophorone		51	U	26	510
Naphthalene		100	U	48	510
Nitrobenzene		51	U	34	510
N-Nitrosodimethylamine		100	U	57	810
N-Nitrosodi-n-propylamine		100	U	48	510
N-Nitrosodiphenylamine		51	U	33	510
N-Nitrosopyrrolidine		200	U	99	510
Pentachlorophenol		1000	U	510	2500
Phenanthrene		1400		26	510
Phenol		51	U	28	510
Pyrene		1600		19	620

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	93		35 - 125
2-Fluorobiphenyl	82		45 - 105
2-Fluorophenol (Surr)	83		35 - 105
Nitrobenzene-d5 (Surr)	81		35 - 100
Phenol-d5 (Surr)	84		40 - 100
Terphenyl-d14 (Surr)	89		30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0142.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/18/2012 2228			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		51	U	77	510
1,2,4,5-Tetrachlorobenzene		100	U	76	510
1,2,4-Trichlorobenzene		51	U	43	510
1,2-Dichlorobenzene		51	U	34	510
1,2-Diphenylhydrazine		51	U	34	510
1,3-Dichlorobenzene		51	U	19	510
1,4-Dichlorobenzene		51	U	21	510
2,2'-oxybis[1-chloropropane]		51	U	36	510
2,3,4,6-Tetrachlorophenol		51	U	210	2500
2,4,5-Trichlorophenol		200	U	15	510
2,4,6-Trichlorophenol		100	U	15	510
2,4-Dichlorophenol		100	U	15	510
2,4-Dimethylphenol		200	U	100	510
2,4-Dinitrophenol		1000	U	510	2500
2,4-Dinitrotoluene		200	U	100	510
2,6-Dichlorophenol		200	U	110	510
2,6-Dinitrotoluene		100	U	43	510
2-Chloronaphthalene		51	U	15	510
2-Chlorophenol		51	U	32	510
2-Methylnaphthalene		51	U	29	510
2-Methylphenol		51	U	20	510
2-Nitroaniline		100	U	77	2500
2-Nitrophenol		100	U	15	510
3 & 4 Methylphenol		100	U	51	510
3,3'-Dichlorobenzidine		510	U	140	2500
3-Nitroaniline		210	U	110	2500
4,6-Dinitro-2-methylphenol		1000	U	510	2500
4-Bromophenyl phenyl ether		51	U	29	510
4-Chloro-3-methylphenol		200	U	100	510
4-Chloroaniline		200	U	130	510
4-Chlorophenyl phenyl ether		100	U	32	510
4-Nitroaniline		200	U	110	2500
4-Nitrophenol		510	U	150	2500
Acenaphthene		33	J	16	510
Acenaphthylene		51	U	26	510
Acetophenone		51	U	31	510
Anthracene		91	J	26	510
Atrazine		200	U	57	510
Benzaldehyde		100	U	60	510
Benzidine		6100	U	1500	6200
Benzo[a]anthracene		190	J	31	510
Benzo[a]pyrene		250	J	31	510
Benzo[b]fluoranthene		460	J	40	510
Benzo[g,h,i]perylene		230	J	25	510
Benzo[k]fluoranthene		100	U J	62	510
Benzoic acid		4400		510	2500

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10301AA

Lab Sample ID: 280-27123-3
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0142.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/18/2012 2228			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		130	J	15	510
Bis(2-chloroethoxy)methane		100	U	36	510
Bis(2-chloroethyl)ether		51	U	26	510
Bis(2-ethylhexyl) phthalate		100	U	71	510
Butyl benzyl phthalate		100	U	66	510
Caprolactam		510	U	160	2500
Carbazole		100	U	56	510
Chrysene		250	J	42	510
Dibenz(a,h)anthracene		210	J	29	510
Dibenzofuran		51	U	31	510
Diethyl phthalate		51	U	40	1000
Dimethyl phthalate		51	U	36	510
Di-n-butyl phthalate		100	J	45	510
Di-n-octyl phthalate		100	U	22	510
Fluoranthene		380	J	56	510
Fluorene		49	J	28	510
Hexachlorobenzene		100	U	45	510
Hexachlorobutadiene		100	U	15	510
Hexachlorocyclopentadiene		100	U	77	2600
Hexachloroethane		51	U	33	510
Indeno[1,2,3-cd]pyrene		190	J	34	510
Isophorone		51	U	26	510
Naphthalene		100	U	48	510
Nitrobenzene		51	U	34	510
N-Nitrosodimethylamine		100	U	57	800
N-Nitrosodi-n-propylamine		100	U	48	510
N-Nitrosodiphenylamine		51	U	32	510
N-Nitrosopyrrolidine		200	U	99	510
Pentachlorophenol		1000	U	510	2500
Phenanthrene		290	J	26	510
Phenol		51	U	28	510
Pyrene		320	J	19	620

CWA 6/1/12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	96		35 - 125
2-Fluorobiphenyl	87		45 - 105
2-Fluorophenol (Surr)	85		35 - 105
Nitrobenzene-d5 (Surr)	82		35 - 100
Phenol-d5 (Surr)	89		40 - 100
Terphenyl-d14 (Surr)	97		30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10401AA

Lab Sample ID: 280-27123-4
Client Matrix: Solid

% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0145.D
Dilution:	4.0			Initial Weight/Volume:	30.7 g
Analysis Date:	04/18/2012 2325			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		190	U	290	1900
1,2,4,5-Tetrachlorobenzene		390	U	280	1900
1,2,4-Trichlorobenzene		190	U	160	1900
1,2-Dichlorobenzene		190	U	130	1900
1,2-Diphenylhydrazine		190	U	130	1900
1,3-Dichlorobenzene		190	U	69	1900
1,4-Dichlorobenzene		190	U	79	1900
2,2'-oxybis[1-chloropropane]		190	U	130	1900
2,3,4,6-Tetrachlorophenol		190	U	790	9200
2,4,5-Trichlorophenol		750	U	58	1900
2,4,6-Trichlorophenol		380	U	58	1900
2,4-Dichlorophenol		380	U	58	1900
2,4-Dimethylphenol		750	U	380	1900
2,4-Dinitrophenol		3900	U	1900	9200
2,4-Dinitrotoluene		750	U	380	1900
2,6-Dichlorophenol		750	U	400	1900
2,6-Dinitrotoluene		380	U	160	1900
2-Chloronaphthalene		190	U	58	1900
2-Chlorophenol		190	U	120	1900
2-Methylnaphthalene		190	U	110	1900
2-Methylphenol		190	U	75	1900
2-Nitroaniline		380	U	290	9200
2-Nitrophenol		380	U	58	1900
3 & 4 Methylphenol		380	U	190	1900
3,3'-Dichlorobenzidine		1900	U	520	9200
3-Nitroaniline		770	U	420	9200
4,6-Dinitro-2-methylphenol		3800	U	1900	9200
4-Bromophenyl phenyl ether		190	U	110	1900
4-Chloro-3-methylphenol		750	U	380	1900
4-Chloroaniline		750	U	470	1900
4-Chlorophenyl phenyl ether		380	U	120	1900
4-Nitroaniline		750	U	420	9200
4-Nitrophenol		1900	U	560	9200
Acenaphthene		98	U	60	1900
Acenaphthylene		190	U	98	1900
Acetophenone		190	U	120	1900
Anthracene		190	U	98	1900
Atrazine		750	U	210	1900
Benzaldehyde		390	U	230	1900
Benzidine		23000	U	5700	23000
Benzo[a]anthracene		190	U	120	1900
Benzo[a]pyrene		190	U	120	1900
Benzo[b]fluoranthene		640	J	150	1900
Benzo[g,h,i]perylene		190	U	92	1900
Benzo[k]fluoranthene		380	U J	230	1900
Benzoic acid		3800	U	1900	9200

6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10401AA

Lab Sample ID: 280-27123-4
Client Matrix: Solid

% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0145.D
Dilution:	4.0			Initial Weight/Volume:	30.7 g
Analysis Date:	04/18/2012 2325			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		100	J	58	1900
Bis(2-chloroethoxy)methane		380	U	130	1900
Bis(2-chloroethyl)ether		190	U	96	1900
Bis(2-ethylhexyl) phthalate		380	U	270	1900
Butyl benzyl phthalate		380	U	250	1900
Caprolactam		1900	U	610	9200
Carbazole		390	U	210	1900
Chrysene		190	U	160	1900
Dibenz(a,h)anthracene		190	U	110	1900
Dibenzofuran		190	U	120	1900
Diethyl phthalate		190	U	150	3800
Dimethyl phthalate		190	U	130	1900
Di-n-butyl phthalate		290	J	170	1900
Di-n-octyl phthalate		380	U	83	1900
Fluoranthene		380	U	210	1900
Fluorene		190	U	100	1900
Hexachlorobenzene		380	U	170	1900
Hexachlorobutadiene		380	U	58	1900
Hexachlorocyclopentadiene		380	U	290	9800
Hexachloroethane		190	U	120	1900
Indeno[1,2,3-cd]pyrene		190	U	130	1900
Isophorone		190	U	98	1900
Naphthalene		380	U	180	1900
Nitrobenzene		190	U	130	1900
N-Nitrosodimethylamine		380	U	210	3000
N-Nitrosodi-n-propylamine		380	U	180	1900
N-Nitrosodiphenylamine		190	U	120	1900
N-Nitrosopyrrolidine		750	U	370	1900
Pentachlorophenol		3900	U	1900	9200
Phenanthrene		190	U	98	1900
Phenol		190	U	100	1900
Pyrene		88	J	70	2300

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	84	D	35 - 125
2-Fluorobiphenyl	69	D	45 - 105
2-Fluorophenol (Surr)	69	D	35 - 105
Nitrobenzene-d5 (Surr)	67	D	35 - 100
Phenol-d5 (Surr)	71	D	40 - 100
Terphenyl-d14 (Surr)	74	D	30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5
Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0146.D
Dilution:	4.0			Initial Weight/Volume:	30.7 g
Analysis Date:	04/18/2012 2344			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		200	U	310	2000
1,2,4,5-Tetrachlorobenzene		410	U	300	2000
1,2,4-Trichlorobenzene		200	U	170	2000
1,2-Dichlorobenzene		200	U	130	2000
1,2-Diphenylhydrazine		200	U	130	2000
1,3-Dichlorobenzene		200	U	73	2000
1,4-Dichlorobenzene		200	U	83	2000
2,2'-oxybis[1-chloropropane]		200	U	140	2000
2,3,4,6-Tetrachlorophenol		200	U	840	9800
2,4,5-Trichlorophenol		790	U	61	2000
2,4,6-Trichlorophenol		400	U	61	2000
2,4-Dichlorophenol		400	U	61	2000
2,4-Dimethylphenol		790	U	400	2000
2,4-Dinitrophenol		4100	U	2000	9800
2,4-Dinitrotoluene		790	U	400	2000
2,6-Dichlorophenol		790	U	420	2000
2,6-Dinitrotoluene		400	U	170	2000
2-Chloronaphthalene		200	U	61	2000
2-Chlorophenol		200	U	130	2000
2-Methylnaphthalene		200	U	120	2000
2-Methylphenol		200	U	79	2000
2-Nitroaniline		400	U	310	9800
2-Nitrophenol		400	U	61	2000
3 & 4 Methylphenol		400	U	200	2000
3,3'-Dichlorobenzidine		2000	U	550	9800
3-Nitroaniline		810	U	450	9800
4,6-Dinitro-2-methylphenol		4000	U	2000	9800
4-Bromophenyl phenyl ether		200	U	120	2000
4-Chloro-3-methylphenol		790	U	400	2000
4-Chloroaniline		790	U	500	2000
4-Chlorophenyl phenyl ether		400	U	130	2000
4-Nitroaniline		790	U	440	9800
4-Nitrophenol		2000	U	590	9800
Acenaphthene		100	U	63	2000
Acenaphthylene		200	U	100	2000
Acetophenone		200	U	120	2000
Anthracene		110	J	100	2000
Atrazine		790	U	230	2000
Benzaldehyde		410	U	240	2000
Benzidine		24000	U	6000	24000
Benzo[a]anthracene		350	J	120	2000
Benzo[a]pyrene		660	J	120	2000
Benzo[b]fluoranthene		3000	~~K~~ J	160	2000
Benzo[g,h,i]perylene		1300	J	98	2000
Benzo[k]fluoranthene		400	U ~~K~~ J	240	2000
Benzoic acid		4000	U	2000	9800

CM 4/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10501AA

Lab Sample ID: 280-27123-5
Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0146.D
Dilution:	4.0			Initial Weight/Volume:	30.7 g
Analysis Date:	04/18/2012 2344			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		200	U	61	2000
Bis(2-chloroethoxy)methane		400	U	140	2000
Bis(2-chloroethyl)ether		200	U	100	2000
Bis(2-ethylhexyl) phthalate		400	U	280	2000
Butyl benzyl phthalate		400	U	260	2000
Caprolactam		2000	U	650	9800
Carbazole		410	U	220	2000
Chrysene		920	J	160	2000
Dibenz(a,h)anthracene		920	J	120	2000
Dibenzofuran		200	U	120	2000
Diethyl phthalate		200	U	160	4000
Dimethyl phthalate		200	U	140	2000
Di-n-butyl phthalate		200	U	180	2000
Di-n-octyl phthalate		400	U	88	2000
Fluoranthene		340	J	220	2000
Fluorene		200	U	110	2000
Hexachlorobenzene		400	U	180	2000
Hexachlorobutadiene		400	U	61	2000
Hexachlorocyclopentadiene		400	U	310	10000
Hexachloroethane		200	U	130	2000
Indeno[1,2,3-cd]pyrene		1300	J	130	2000
Isophorone		200	U	100	2000
Naphthalene		400	U	190	2000
Nitrobenzene		200	U	130	2000
N-Nitrosodimethylamine		400	U	230	3200
N-Nitrosodi-n-propylamine		400	U	190	2000
N-Nitrosodiphenylamine		200	U	130	2000
N-Nitrosopyrrolidine		790	U	390	2000
Pentachlorophenol		4100	U	2000	9800
Phenanthrene		150	J	100	2000
Phenol		200	U	110	2000
Pyrene		370	J	74	2400

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	93	D	35 - 125
2-Fluorobiphenyl	76	D	45 - 105
2-Fluorophenol (Surr)	77	D	35 - 105
Nitrobenzene-d5 (Surr)	77	D	35 - 100
Phenol-d5 (Surr)	78	D	40 - 100
Terphenyl-d14 (Surr)	81	D	30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6
Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0147.D
Dilution:	1.0			Initial Weight/Volume:	32.3 g
Analysis Date:	04/19/2012 0002			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		37	U	56	370
1,2,4,5-Tetrachlorobenzene		75	U	55	370
1,2,4-Trichlorobenzene		37	U	31	370
1,2-Dichlorobenzene		37	U	25	370
1,2-Diphenylhydrazine		37	U	25	370
1,3-Dichlorobenzene		37	U	13	370
1,4-Dichlorobenzene		37	U	15	370
2,2'-oxybis[1-chloropropane]		37	U	26	370
2,3,4,6-Tetrachlorophenol		37	U	150	1800
2,4,5-Trichlorophenol		150	U	11	370
2,4,6-Trichlorophenol		74	U	11	370
2,4-Dichlorophenol		74	U	11	370
2,4-Dimethylphenol		150	U	74	370
2,4-Dinitrophenol		750	U	370	1800
2,4-Dinitrotoluene		150	U	74	370
2,6-Dichlorophenol		150	U	77	370
2,6-Dinitrotoluene		74	U	31	370
2-Chloronaphthalene		37	U	11	370
2-Chlorophenol		37	U	23	370
2-Methylnaphthalene		37	U	21	370
2-Methylphenol		37	U	15	370
2-Nitroaniline		74	U	56	1800
2-Nitrophenol		74	U	11	370
3 & 4 Methylphenol		74	U	37	370
3,3'-Dichlorobenzidine		370	U	100	1800
3-Nitroaniline		150	U	82	1800
4,6-Dinitro-2-methylphenol		740	U	370	1800
4-Bromophenyl phenyl ether		37	U	21	370
4-Chloro-3-methylphenol		150	U	74	370
4-Chloroaniline		150	U	91	370
4-Chlorophenyl phenyl ether		74	U	23	370
4-Nitroaniline		150	U	81	1800
4-Nitrophenol		370	U	110	1800
Acenaphthene		19	U	11	370
Acenaphthylene		37	U	19	370
Acetophenone		37	U	22	370
Anthracene		37	U	19	370
Atrazine		150	U	41	370
Benzaldehyde		75	U	44	370
Benzidine		4400	U	1100	4500
Benzo[a]anthracene		37	U	22	370
Benzo[a]pyrene		71	J	22	370
Benzo[b]fluoranthene		160	J K	29	370
Benzo[g,h,i]perylene		34	J	18	370
Benzo[k]fluoranthene		74	U K J	45	370
Benzoic acid		740	U	370	1800

CMK 4/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10502AA

Lab Sample ID: 280-27123-6
Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0147.D
Dilution:	1.0			Initial Weight/Volume:	32.3 g
Analysis Date:	04/19/2012 0002			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		17	J	11	370
Bis(2-chloroethoxy)methane		74	U	26	370
Bis(2-chloroethyl)ether		37	U	19	370
Bis(2-ethylhexyl) phthalate		99	J	51	370
Butyl benzyl phthalate		74	U	48	370
Caprolactam		370	U	120	1800
Carbazole		75	U	40	370
Chrysene		37	U	30	370
Dibenz(a,h)anthracene		37	U	21	370
Dibenzofuran		37	U	22	370
Diethyl phthalate		37	U	29	740
Dimethyl phthalate		37	U	26	370
Di-n-butyl phthalate		37	U	32	370
Di-n-octyl phthalate		74	U	16	370
Fluoranthene		74	U	40	370
Fluorene		37	U	20	370
Hexachlorobenzene		74	U	32	370
Hexachlorobutadiene		74	U	11	370
Hexachlorocyclopentadiene		74	U	56	1900
Hexachloroethane		37	U	24	370
Indeno[1,2,3-cd]pyrene		83	J	25	370
Isophorone		37	U	19	370
Naphthalene		74	U	35	370
Nitrobenzene		37	U	25	370
N-Nitrosodimethylamine		74	U	41	580
N-Nitrosodi-n-propylamine		74	U	35	370
N-Nitrosodiphenylamine		37	U	23	370
N-Nitrosopyrrolidine		150	U	71	370
Pentachlorophenol		750	U	370	1800
Phenanthrene		37	U	19	370
Phenol		37	U	20	370
Pyrene		37	U	14	450

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	99		35 - 125
2-Fluorobiphenyl	71		45 - 105
2-Fluorophenol (Surr)	71		35 - 105
Nitrobenzene-d5 (Surr)	70		35 - 100
Phenol-d5 (Surr)	73		40 - 100
Terphenyl-d14 (Surr)	100		30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10601AA

Lab Sample ID: 280-27123-7
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0148.D
Dilution:	4.0			Initial Weight/Volume:	30.9 g
Analysis Date:	04/19/2012 0021			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		200	U	60	2000
Bis(2-chloroethoxy)methane		400	U	140	2000
Bis(2-chloroethyl)ether		200	U	100	2000
Bis(2-ethylhexyl) phthalate		540	J	280	2000
Butyl benzyl phthalate		400	U	260	2000
Caprolactam		2000	U	640	9600
Carbazole		1400	J	220	2000
Chrysene		2900		160	2000
Dibenz(a,h)anthracene		970	J	110	2000
Dibenzofuran		1600	J	120	2000
Diethyl phthalate		200	U	160	4000
Dimethyl phthalate		200	U	140	2000
Di-n-butyl phthalate		200	U	170	2000
Di-n-octyl phthalate		400	U	86	2000
Fluoranthene		7500		220	2000
Fluorene		1800	J	110	2000
Hexachlorobenzene		400	U	170	2000
Hexachlorobutadiene		400	U	60	2000
Hexachlorocyclopentadiene		400	U	300	10000
Hexachloroethane		200	U	130	2000
Indeno[1,2,3-cd]pyrene		1300	J	130	2000
Isophorone		200	U	100	2000
Naphthalene		2100		190	2000
Nitrobenzene		200	U	130	2000
N-Nitrosodimethylamine		400	U	220	3100
N-Nitrosodi-n-propylamine		400	U	190	2000
N-Nitrosodiphenylamine		200	U	130	2000
N-Nitrosopyrrolidine		780	U	380	2000
Pentachlorophenol		4000	U	2000	9600
Phenanthrene		10000		100	2000
Phenol		130	J	110	2000
Pyrene		5900		73	2400

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	96	D	35 - 125
2-Fluorobiphenyl	78	D	45 - 105
2-Fluorophenol (Surr)	77	D	35 - 105
Nitrobenzene-d5 (Surr)	74	D	35 - 100
Phenol-d5 (Surr)	82	D	40 - 100
Terphenyl-d14 (Surr)	85	D	30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10601AA

Lab Sample ID: 280-27123-7
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0148.D
Dilution:	4.0			Initial Weight/Volume:	30.9 g
Analysis Date:	04/19/2012 0021			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		200	U	300	2000
1,2,4,5-Tetrachlorobenzene		400	U	290	2000
1,2,4-Trichlorobenzene		200	U	170	2000
1,2-Dichlorobenzene		200	U	130	2000
1,2-Diphenylhydrazine		200	U	130	2000
1,3-Dichlorobenzene		200	U	72	2000
1,4-Dichlorobenzene		200	U	82	2000
2,2'-oxybis[1-chloropropane]		200	U	140	2000
2,3,4,6-Tetrachlorophenol		200	U	820	9600
2,4,5-Trichlorophenol		780	U	60	2000
2,4,6-Trichlorophenol		400	U	60	2000
2,4-Dichlorophenol		400	U	60	2000
2,4-Dimethylphenol		780	U	400	2000
2,4-Dinitrophenol		4000	U	2000	9600
2,4-Dinitrotoluene		780	U	400	2000
2,6-Dichlorophenol		780	U	410	2000
2,6-Dinitrotoluene		400	U	170	2000
2-Chloronaphthalene		200	U	60	2000
2-Chlorophenol		200	U	130	2000
2-Methylnaphthalene		910	J	110	2000
2-Methylphenol		200	U	78	2000
2-Nitroaniline		400	U	300	9600
2-Nitrophenol		400	U	60	2000
3 & 4 Methylphenol		210	J	200	2000
3,3'-Dichlorobenzidine		2000	U	540	9600
3-Nitroaniline		800	U	440	9600
4,6-Dinitro-2-methylphenol		4000	U	2000	9600
4-Bromophenyl phenyl ether		200	U	110	2000
4-Chloro-3-methylphenol		780	U	400	2000
4-Chloroaniline		780	U	490	2000
4-Chlorophenyl phenyl ether		400	U	130	2000
4-Nitroaniline		780	U	440	9600
4-Nitrophenol		2000	U	580	9600
Acenaphthene		1300	J	62	2000
Acenaphthylene		200	U	100	2000
Acetophenone		200	U	120	2000
Anthracene		2900		100	2000
Atrazine		780	U	220	2000
Benzaldehyde		400	U	230	2000
Benzidine		24000	U	5900	24000
Benzo[a]anthracene		3200		120	2000
Benzo[a]pyrene		2300		120	2000
Benzo[b]fluoranthene		3800	~~J~~	160	2000
Benzo[g,h,i]perylene		1200	J	96	2000
Benzo[k]fluoranthene		400	U ~~J~~	240	2000
Benzoic acid		4000	U	2000	9600

CMA 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10602AA

Lab Sample ID: 280-27123-8
Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0149.D
Dilution:	1.0			Initial Weight/Volume:	32.8 g
Analysis Date:	04/19/2012 0040			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		35	U	53	350
1,2,4,5-Tetrachlorobenzene		71	U	52	350
1,2,4-Trichlorobenzene		35	U	30	350
1,2-Dichlorobenzene		35	U	23	350
1,2-Diphenylhydrazine		35	U	23	350
1,3-Dichlorobenzene		35	U	13	350
1,4-Dichlorobenzene		35	U	14	350
2,2'-oxybis[1-chloropropane]		35	U	24	350
2,3,4,6-Tetrachlorophenol		35	U	150	1700
2,4,5-Trichlorophenol		140	U	11	350
2,4,6-Trichlorophenol		70	U	11	350
2,4-Dichlorophenol		70	U	11	350
2,4-Dimethylphenol		140	U	70	350
2,4-Dinitrophenol		710	U	350	1700
2,4-Dinitrotoluene		140	U	70	350
2,6-Dichlorophenol		140	U	73	350
2,6-Dinitrotoluene		70	U	30	350
2-Chloronaphthalene		35	U	11	350
2-Chlorophenol		35	U	22	350
2-Methylnaphthalene		35	U	20	350
2-Methylphenol		35	U	14	350
2-Nitroaniline		70	U	53	1700
2-Nitrophenol		70	U	11	350
3 & 4 Methylphenol		70	U	35	350
3,3'-Dichlorobenzidine		350	U	96	1700
3-Nitroaniline		140	U	78	1700
4,6-Dinitro-2-methylphenol		700	U	350	1700
4-Bromophenyl phenyl ether		35	U	20	350
4-Chloro-3-methylphenol		140	U	70	350
4-Chloroaniline		140	U	87	350
4-Chlorophenyl phenyl ether		70	U	22	350
4-Nitroaniline		140	U	77	1700
4-Nitrophenol		350	U	100	1700
Acenaphthene		32	J	11	350
Acenaphthylene		35	U	18	350
Acetophenone		35	U	21	350
Anthracene		93	J	18	350
Atrazine		140	U	39	350
Benzaldehyde		71	U	42	350
Benzidine		4200	U	1100	4300
Benzo[a]anthracene		210	J	21	350
Benzo[a]pyrene		200	J	21	350
Benzo[b]fluoranthene		340	J K	28	350
Benzo[g,h,i]perylene		89	J	17	350
Benzo[k]fluoranthene		70	U K J	43	350
Benzoic acid		700	U	350	1700

AA 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10602AA

Lab Sample ID: 280-27123-8
Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0149.D
Dilution:	1.0			Initial Weight/Volume:	32.8 g
Analysis Date:	04/19/2012 0040			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		24	J	11	350
Bis(2-chloroethoxy)methane		70	U	24	350
Bis(2-chloroethyl)ether		35	U	18	350
Bis(2-ethylhexyl) phthalate		100	J	49	350
Butyl benzyl phthalate		70	U	46	350
Caprolactam		350	U	110	1700
Carbazole		56	J	38	350
Chrysene		200	J	29	350
Dibenz(a,h)anthracene		140	J	20	350
Dibenzofuran		36	J	21	350
Diethyl phthalate		35	U	28	700
Dimethyl phthalate		35	U	24	350
Di-n-butyl phthalate		35	U	31	350
Di-n-octyl phthalate		70	U	15	350
Fluoranthene		380		38	350
Fluorene		38	J	19	350
Hexachlorobenzene		70	U	31	350
Hexachlorobutadiene		70	U	11	350
Hexachlorocyclopentadiene		70	U	53	1800
Hexachloroethane		35	U	23	350
Indeno[1,2,3-cd]pyrene		120	J	23	350
Isophorone		35	U	18	350
Naphthalene		70	U	33	350
Nitrobenzene		35	U	23	350
N-Nitrosodimethylamine		70	U	39	550
N-Nitrosodi-n-propylamine		70	U	33	350
N-Nitrosodiphenylamine		35	U	22	350
N-Nitrosopyrrolidine		140	U	68	350
Pentachlorophenol		710	U	350	1700
Phenanthrene		320	J	18	350
Phenol		35	U	19	350
Pyrene		320	J	13	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	103		35 - 125
2-Fluorobiphenyl	83		45 - 105
2-Fluorophenol (Surr)	81		35 - 105
Nitrobenzene-d5 (Surr)	75		35 - 100
Phenol-d5 (Surr)	87		40 - 100
Terphenyl-d14 (Surr)	104		30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10701AA

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0150.D
Dilution:	1.0			Initial Weight/Volume:	31.3 g
Analysis Date:	04/19/2012 0059			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		40	J	14	450
Bis(2-chloroethoxy)methane		90	U	31	450
Bis(2-chloroethyl)ether		45	U	23	450
Bis(2-ethylhexyl) phthalate		90	U	63	450
Butyl benzyl phthalate		130	J	59	450
Caprolactam		450	U	140	2200
Carbazole		91	U	49	450
Chrysene		280	J	37	450
Dibenz(a,h)anthracene		210	J	26	450
Dibenzofuran		45	U	27	450
Diethyl phthalate		45	U	35	900
Dimethyl phthalate		45	U	31	450
Di-n-butyl phthalate		900		40	450
Di-n-octyl phthalate		90	U	20	450
Fluoranthene		110	J	49	450
Fluorene		45	U	25	450
Hexachlorobenzene		90	U	40	450
Hexachlorobutadiene		90	U	14	450
Hexachlorocyclopentadiene		90	U	68	2300
Hexachloroethane		45	U	29	450
Indeno[1,2,3-cd]pyrene		330	J	30	450
Isophorone		45	U	23	450
Naphthalene		90	U	42	450
Nitrobenzene		45	U	30	450
N-Nitrosodimethylamine		90	U	50	710
N-Nitrosodi-n-propylamine		90	U	42	450
N-Nitrosodiphenylamine		45	U	29	450
N-Nitrosopyrrolidine		180	U	87	450
Pentachlorophenol		910	U	450	2200
Phenanthrene		74	J	23	450
Phenol		45	U	25	450
Pyrene		95	J	16	540

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	91		35 - 125
2-Fluorobiphenyl	80		45 - 105
2-Fluorophenol (Surr)	82		35 - 105
Nitrobenzene-d5 (Surr)	77		35 - 100
Phenol-d5 (Surr)	85		40 - 100
Terphenyl-d14 (Surr)	90		30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0150.D
Dilution:	1.0			Initial Weight/Volume:	31.3 g
Analysis Date:	04/19/2012 0059			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		45	U	68	450
1,2,4,5-Tetrachlorobenzene		91	U	67	450
1,2,4-Trichlorobenzene		45	U	38	450
1,2-Dichlorobenzene		45	U	30	450
1,2-Diphenylhydrazine		45	U	30	450
1,3-Dichlorobenzene		45	U	16	450
1,4-Dichlorobenzene		45	U	19	450
2,2'-oxybis[1-chloropropane]		45	U	31	450
2,3,4,6-Tetrachlorophenol		45	U	190	2200
2,4,5-Trichlorophenol		180	U	14	450
2,4,6-Trichlorophenol		90	U	14	450
2,4-Dichlorophenol		90	U	14	450
2,4-Dimethylphenol		180	U	90	450
2,4-Dinitrophenol		910	U	450	2200
2,4-Dinitrotoluene		180	U	90	450
2,6-Dichlorophenol		180	U	94	450
2,6-Dinitrotoluene		90	U	38	450
2-Chloronaphthalene		45	U	14	450
2-Chlorophenol		45	U	29	450
2-Methylnaphthalene		45	U	26	450
2-Methylphenol		45	U	18	450
2-Nitroaniline		90	U	68	2200
2-Nitrophenol		90	U	14	450
3 & 4 Methylphenol		90	U	45	450
3,3'-Dichlorobenzidine		450	U	120	2200
3-Nitroaniline		180	U	99	2200
4,6-Dinitro-2-methylphenol		900	U	450	2200
4-Bromophenyl phenyl ether		45	U	26	450
4-Chloro-3-methylphenol		180	U	90	450
4-Chloroaniline		180	U	110	450
4-Chlorophenyl phenyl ether		90	U	29	450
4-Nitroaniline		180	U	99	2200
4-Nitrophenol		450	U	130	2200
Acenaphthene		23	U	14	450
Acenaphthylene		45	U	23	450
Acetophenone		45	U	27	450
Anthracene		44	J	23	450
Atrazine		180	U	50	450
Benzaldehyde		91	U	53	450
Benzidine		5400	U	1300	5400
Benzo[a]anthracene		64	J	27	450
Benzo[a]pyrene		140	J	27	450
Benzo[b]fluoranthene		740	~~J~~ J	36	450
Benzo[g,h,i]perylene		400	J	22	450
Benzo[k]fluoranthene		90	U ~~J~~ J	54	450
Benzoic acid		900	U	450	2200

6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10702AA

Lab Sample ID: 280-27123-10
Client Matrix: Solid

% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0151.D
Dilution:	1.0			Initial Weight/Volume:	30.6 g
Analysis Date:	04/19/2012 0118			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		42	U	63	420
1,2,4,5-Tetrachlorobenzene		84	U	62	420
1,2,4-Trichlorobenzene		42	U	35	420
1,2-Dichlorobenzene		42	U	28	420
1,2-Diphenylhydrazine		42	U	28	420
1,3-Dichlorobenzene		42	U	15	420
1,4-Dichlorobenzene		42	U	17	420
2,2'-oxybis[1-chloropropane]		42	U	29	420
2,3,4,6-Tetrachlorophenol		42	U	170	2000
2,4,5-Trichlorophenol		160	U	13	420
2,4,6-Trichlorophenol		83	U	13	420
2,4-Dichlorophenol		83	U	13	420
2,4-Dimethylphenol		160	U	83	420
2,4-Dinitrophenol		840	U	420	2000
2,4-Dinitrotoluene		160	U	83	420
2,6-Dichlorophenol		160	U	87	420
2,6-Dinitrotoluene		83	U	35	420
2-Chloronaphthalene		42	U	13	420
2-Chlorophenol		42	U	26	420
2-Methylnaphthalene		42	U	24	420
2-Methylphenol		42	U	16	420
2-Nitroaniline		83	U	63	2000
2-Nitrophenol		83	U	13	420
3 & 4 Methylphenol		83	U	42	420
3,3'-Dichlorobenzidine		420	U	110	2000
3-Nitroaniline		170	U	92	2000
4,6-Dinitro-2-methylphenol		830	U	420	2000
4-Bromophenyl phenyl ether		42	U	24	420
4-Chloro-3-methylphenol		160	U	83	420
4-Chloroaniline		160	U	100	420
4-Chlorophenyl phenyl ether		83	U	26	420
4-Nitroaniline		160	U	91	2000
4-Nitrophenol		420	U	120	2000
Acenaphthene		21	U	13	420
Acenaphthylene		42	U	21	420
Acetophenone		42	U	25	420
Anthracene		42	U	21	420
Atrazine		160	U	47	420
Benzaldehyde		84	U	49	420
Benzidine		5000	U	1200	5000
Benzo[a]anthracene		42	U	25	420
Benzo[a]pyrene		42	U	25	420
Benzo[b]fluoranthene		130	J K	33	420
Benzo[g,h,i]perylene		42	U	20	420
Benzo[k]fluoranthene		83	U K J	50	420
Benzoic acid		830	U	420	2000

acd 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10702AA

Lab Sample ID: 280-27123-10
Client Matrix: Solid

% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0151.D
Dilution:	1.0			Initial Weight/Volume:	30.6 g
Analysis Date:	04/19/2012 0118			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		26	J	13	420
Bis(2-chloroethoxy)methane		83	U	29	420
Bis(2-chloroethyl)ether		42	U	21	420
Bis(2-ethylhexyl) phthalate		110	J	58	420
Butyl benzyl phthalate		83	U	54	420
Caprolactam		420	U	130	2000
Carbazole		84	U	45	420
Chrysene		42	U	34	420
Dibenz(a,h)anthracene		42	U	24	420
Dibenzofuran		42	U	25	420
Diethyl phthalate		42	U	33	830
Dimethyl phthalate		42	U	29	420
Di-n-butyl phthalate		42	U	37	420
Di-n-octyl phthalate		83	U	18	420
Fluoranthene		83	U	45	420
Fluorene		42	U	23	420
Hexachlorobenzene		83	U	37	420
Hexachlorobutadiene		83	U	13	420
Hexachlorocyclopentadiene		83	U	63	2100
Hexachloroethane		42	U	27	420
Indeno[1,2,3-cd]pyrene		42	U	28	420
Isophorone		42	U	21	420
Naphthalene		83	U	39	420
Nitrobenzene		42	U	28	420
N-Nitrosodimethylamine		83	U	47	660
N-Nitrosodi-n-propylamine		83	U	39	420
N-Nitrosodiphenylamine		42	U	26	420
N-Nitrosopyrrolidine		160	U	81	420
Pentachlorophenol		840	U	420	2000
Phenanthrene		42	U	21	420
Phenol		42	U	23	420
Pyrene		42	U	15	500

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	82		35 - 125
2-Fluorobiphenyl	65		45 - 105
2-Fluorophenol (Surr)	69		35 - 105
Nitrobenzene-d5 (Surr)	63		35 - 100
Phenol-d5 (Surr)	68		40 - 100
Terphenyl-d14 (Surr)	82		30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: 032712AE

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3520C	Prep Batch:	280-114056	Lab File ID:	D0126.D
Dilution:	1.0			Initial Weight/Volume:	1022.3 mL
Analysis Date:	04/18/2012 1724			Final Weight/Volume:	1000 uL
Prep Date:	04/03/2012 1145			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1'-Biphenyl	2.0	U	1.7	9.8
1,2,4,5-Tetrachlorobenzene	2.0	U	1.7	9.8
1,2,4-Trichlorobenzene	0.98	U	0.27	9.8
1,2-Dichlorobenzene	0.98	U	0.22	9.8
1,2-Diphenylhydrazine	0.98	U	0.22	9.8
1,3-Dichlorobenzene	0.98	U	0.29	9.8
1,4-Dichlorobenzene	0.98	U	0.31	9.8
2,2'-oxybis[1-chloropropane]	0.98	U	0.27	9.8
2,3,4,6-Tetrachlorophenol	2.0	U	2.0	49
2,4,5-Trichlorophenol	0.98	U	0.44	20
2,4,6-Trichlorophenol	0.98	U	0.28	20
2,4-Dichlorophenol	2.0	U	0.63	9.8
2,4-Dimethylphenol	3.9	U	0.57	9.8
2,4-Dinitrophenol	20	U	9.8	78
2,4-Dinitrotoluene	3.9	U	1.6	20
2,6-Dichlorophenol	3.9	U	1.3	9.8
2,6-Dinitrotoluene	3.9	U	1.8	20
2-Chloronaphthalene	0.98	U	0.25	9.8
2-Chlorophenol	3.9	U	2.0	9.8
2-Methylnaphthalene	0.98	U	0.28	9.8
2-Methylphenol	3.9	U	0.96	9.8
2-Nitroaniline	3.9	U	1.7	49
2-Nitrophenol	0.98	U	0.38	20
3 & 4 Methylphenol	0.98	U	0.24	20
3,3'-Dichlorobenzidine	9.8	U	2.0	49
3-Nitroaniline	2.0	U	2.0	49
4,6-Dinitro-2-methylphenol	9.8	U	3.9	78
4-Bromophenyl phenyl ether	0.98	U	0.42	9.8
4-Chloro-3-methylphenol	4.9	U	2.4	20
4-Chloroaniline	4.9	U	2.1	24
4-Chlorophenyl phenyl ether	3.9	U	1.6	9.8
4-Nitroaniline	3.9	U	2.0	49
4-Nitrophenol	9.8	U	1.2	49
Acenaphthene	0.98	U	0.27	9.8
Acenaphthylene	0.98	U	0.48	9.8
Acetophenone	0.24	J	0.23	9.8
Anthracene	0.98	U	0.41	9.8
Atrazine	9.8	U	0.71	49
Benzaldehyde	2.0	U	2.0	9.8
Benzidine	98	U	49	200
Benzo[a]anthracene	0.98	U	0.34	9.8
Benzo[a]pyrene	0.98	U	0.30	9.8
Benzo[b]fluoranthene	0.98	U	0.52	9.8
Benzo[g,h,i]perylene	0.98	U	0.49	9.8
Benzo[k]fluoranthene	0.98	U	0.45	9.8
Benzoic acid	49	U	9.8	78

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: 032712AE

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3520C	Prep Batch:	280-114056	Lab File ID:	D0126.D
Dilution:	1.0			Initial Weight/Volume:	1022.3 mL
Analysis Date:	04/18/2012 1724			Final Weight/Volume:	1000 uL
Prep Date:	04/03/2012 1145			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Benzyl alcohol	0.98	U	0.22	24
Bis(2-chloroethoxy)methane	3.9	U	0.95	9.8
Bis(2-chloroethyl)ether	0.98	U	0.40	20
Bis(2-ethylhexyl) phthalate	0.98	U	0.55	9.8
Butyl benzyl phthalate	3.9	U	0.98	20
Caprolactam	9.8	U	4.9	34
Carbazole	0.98	U	0.42	9.8
Chrysene	0.98	U	0.53	9.8
Dibenz(a,h)anthracene	0.98	U	0.50	9.8
Dibenzofuran	0.98	U	0.28	9.8
Diethyl phthalate	0.98	U	0.37	20
Dimethyl phthalate	0.98	U	0.21	20
Di-n-butyl phthalate	3.9	U	1.1	20
Di-n-octyl phthalate	0.98	U	0.34	20
Fluoranthene	0.98	U	0.20	20
Fluorene	0.98	U	0.30	9.8
Hexachlorobenzene	0.98	U	0.65	9.8
Hexachlorobutadiene	9.8	U	3.2	29
Hexachlorocyclopentadiene	20	U	1.5	49
Hexachloroethane	3.9	U	2.1	9.8
Indeno[1,2,3-cd]pyrene	0.98	U	0.64	9.8
Isophorone	0.98	U	0.21	9.8
Naphthalene	0.98	U	0.28	9.8
Nitrobenzene	2.0	U	0.79	20
N-Nitrosodimethylamine	0.98	U	0.28	9.8
N-Nitrosodi-n-propylamine	0.98	U	0.34	20
N-Nitrosodiphenylamine	0.98	U	0.43	9.8
N-Nitrosopyrrolidine	3.9	U	0.79	9.8
Pentachlorophenol	39	U	20	78
Phenanthrene	0.98	U	0.25	9.8
Phenol	4.9	U	2.0	9.8
Pyrene	0.98	U	0.36	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	85		40 - 125
2-Fluorobiphenyl	84		50 - 110
2-Fluorophenol (Surr)	88		20 - 110
Nitrobenzene-d5 (Surr)	87		40 - 110
Phenol-d5 (Surr)	91		10 - 115
Terphenyl-d14 (Surr)	111		50 - 135

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 1938			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		2.0	J Q	0.84	2.6
4,4'-DDE		13	Q	0.36	2.6
Aldrin		0.71	U Q	0.38	2.6
alpha-BHC		0.71	U Q	0.33	2.6
beta-BHC		1.1	U Q	1.0	2.6
delta-BHC		1.1	U Q	0.61	2.6
gamma-BHC (Lindane)		1.1	U Q	0.71	2.6
Heptachlor		0.71	U Q	0.33	2.6
Heptachlor epoxide		1.1	U Q	0.65	2.6
Endosulfan I		0.71	U Q	0.27	2.6
Endosulfan II		0.71	U Q	0.44	2.6
Endosulfan sulfate		0.71	U Q	0.42	2.6
Endrin		0.71	U Q	0.47	2.6
Endrin aldehyde		0.71	U Q	0.26	2.6
Endrin ketone		1.1	U Q	0.75	2.6
gamma-Chlordane		1.1	U Q	0.41	2.6
Methoxychlor		2.6	J Q	0.69	5.1
alpha-Chlordane		0.71	U Q	0.50	2.6
Dieldrin		0.74	J Q	0.32	2.6

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		70 - 125
DCB Decachlorobiphenyl	1361	J Q	55 - 130

CMD 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10101AA

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 1938			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		70 - 125
DCB Decachlorobiphenyl	1278	J Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.5 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2126			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDT		56	~~D~~ Q	4.5	15
Toxaphene		210	U ~~Q~~	120	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71	D	70 - 125
DCB Decachlorobiphenyl	1408	Q D	55 - 130

CMA
6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10101AA

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.5 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2126			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73	D	70 - 125
DCB Decachlorobiphenyl	1406	Q D	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2
Client Matrix: Solid

% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 1955			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		1.1	U Q	0.86	2.7
4,4'-DDE		0.52	J Q	0.37	2.7
4,4'-DDT		5.0	J Q	0.92	3.1
Aldrin		0.72	U Q	0.39	2.7
alpha-BHC		0.72	U Q	0.34	2.7
beta-BHC		1.1	U Q	1.0	2.7
delta-BHC		1.1	U Q	0.63	2.7
gamma-BHC (Lindane)		1.1	U Q	0.73	2.7
Heptachlor		0.72	U Q	0.34	2.7
Heptachlor epoxide		1.1	U Q	0.67	2.7
Endosulfan I		0.72	U Q	0.28	2.7
Endosulfan II		0.72	U Q	0.45	2.7
Endosulfan sulfate		0.72	U Q	0.43	2.7
Endrin		0.72	U Q	0.48	2.7
Endrin aldehyde		0.72	U Q	0.27	2.7
Endrin ketone		1.1	U Q	0.77	2.7
gamma-Chlordane		1.1	U Q	0.42	2.7
Methoxychlor		1.1	U Q	0.71	5.2
alpha-Chlordane		0.72	U Q	0.51	2.7
Dieldrin		0.72	U Q	0.33	2.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		70 - 125
DCB Decachlorobiphenyl	485	Q	55 - 130

6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10201AA

Lab Sample ID: 280-27123-2
Client Matrix: Solid

% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 1955			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		70 - 125
DCB Decachlorobiphenyl	466	Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2
Client Matrix: Solid
% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2143			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		210	U Q	120	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69	Q D	70 - 125
DCB Decachlorobiphenyl	492	Q D	55 - 130

CWA
6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10301AA

Lab Sample ID: 280-27123-3
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2045			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.99	U Q	0.79	2.4
4,4'-DDE		1.1	Q J	0.34	2.4
4,4'-DDT		16	Q	0.85	2.9
Aldrin		0.66	U Q	0.36	2.4
alpha-BHC		0.66	U Q	0.31	2.4
beta-BHC		0.99	U Q	0.96	2.4
delta-BHC		0.99	U Q	0.58	2.4
gamma-BHC (Lindane)		0.99	U Q	0.67	2.4
Heptachlor		0.66	U Q	0.31	2.4
Heptachlor epoxide		0.99	U Q	0.61	2.4
Endosulfan I		0.66	U Q	0.25	2.4
Endosulfan II		0.66	U Q	0.41	2.4
Endosulfan sulfate		0.66	U Q	0.40	2.4
Endrin		0.66	U Q	0.44	2.4
Endrin aldehyde		0.66	U Q	0.25	2.4
Endrin ketone		0.99	U Q	0.70	2.4
gamma-Chlordane		0.99	U Q	0.38	2.4
Methoxychlor		0.99	U Q	0.65	4.8
alpha-Chlordane		0.66	U Q	0.46	2.4
Dieldrin		0.66	U Q	0.30	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58	Q	70 - 125
DCB Decachlorobiphenyl	67		55 - 130

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Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2045			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50	Q	70 - 125
DCB Decachlorobiphenyl	101		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10301AA

Lab Sample ID: 280-27123-3
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.2 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2200			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		190	U ~~J~~	110	1200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50	Q D	70 - 125
DCB Decachlorobiphenyl	135	Q D	55 - 130

CMA
5/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4
Client Matrix: Solid

% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2101			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		1.0	U Q	0.79	2.5
4,4'-DDE		1.7	J Q	0.35	2.5
4,4'-DDT		2.1	J Q	0.86	2.9
Aldrin		0.67	U Q	0.36	2.5
alpha-BHC		0.67	U Q	0.31	2.5
beta-BHC		1.0	U Q	0.96	2.5
delta-BHC		1.0	U Q	0.58	2.5
gamma-BHC (Lindane)		1.0	U Q	0.67	2.5
Heptachlor		0.67	U Q	0.31	2.5
Heptachlor epoxide		1.0	U Q	0.62	2.5
Endosulfan I		0.67	U Q	0.26	2.5
Endosulfan II		0.67	U Q	0.42	2.5
Endosulfan sulfate		0.67	U Q	0.40	2.5
Endrin		0.67	U Q	0.44	2.5
Endrin aldehyde		0.67	U Q	0.25	2.5
Endrin ketone		1.0	U Q	0.71	2.5
gamma-Chlordane		1.0	U Q	0.39	2.5
Methoxychlor		1.0	U Q	0.65	4.8
alpha-Chlordane		0.67	U Q	0.47	2.5
Dieldrin		0.67	U Q	0.30	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		70 - 125
DCB Decachlorobiphenyl	87		55 - 130

CMA
4/11/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10401AA

Lab Sample ID: 280-27123-4
Client Matrix: Solid

% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2101			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69	Q	70 - 125
DCB Decachlorobiphenyl	159	Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10501AA

Lab Sample ID: 280-27123-5
Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2208			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		1.0	U Q	0.80	2.5
4,4'-DDE		2.0	J Q	0.35	2.5
4,4'-DDT		1.5	J Q	0.86	2.9
Aldrin		0.67	U Q	0.37	2.5
alpha-BHC		0.67	U Q	0.31	2.5
beta-BHC		1.0	U Q	0.97	2.5
delta-BHC		1.0	U Q	0.59	2.5
gamma-BHC (Lindane)		1.0	U Q	0.68	2.5
Heptachlor		0.67	U Q	0.31	2.5
Heptachlor epoxide		1.0	U Q	0.62	2.5
Endosulfan I		0.67	U Q	0.26	2.5
Endosulfan II		0.67	U Q	0.42	2.5
Endosulfan sulfate		0.67	U Q	0.40	2.5
Endrin		0.67	U Q	0.45	2.5
Endrin aldehyde		0.67	U Q	0.25	2.5
Endrin ketone		1.0	U Q	0.71	2.5
gamma-Chlordane		1.0	U Q	0.39	2.5
Methoxychlor		1.0	U Q	0.66	4.8
alpha-Chlordane		0.67	U Q	0.47	2.5
Dieldrin		0.67	U Q	0.31	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59	Q	70 - 125
DCB Decachlorobiphenyl	125	M	55 - 130

CWA 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4
Client Matrix: Solid

% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2218			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		200	U Ø J	110	1200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64	Q D	70 - 125
DCB Decachlorobiphenyl	155	Q D	55 - 130

cwt 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5
Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2208			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	57	Q	70 - 125
DCB Decachlorobiphenyl	178	Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10501AA

Lab Sample ID: 280-27123-5
Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2235			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		200	U ~~Q~~ J	120	1200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	45	Q D	70 - 125
DCB Decachlorobiphenyl	176	Q D	55 - 130

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4/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10502AA

Lab Sample ID: 280-27123-6
Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.8 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2224			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.76	U	0.60	1.9
4,4'-DDE		0.51	U	0.26	1.9
4,4'-DDT		0.76	U	0.65	2.2
Aldrin		0.51	U	0.28	1.9
alpha-BHC		0.51	U	0.24	1.9
beta-BHC		0.76	U	0.73	1.9
delta-BHC		0.76	U	0.44	1.9
gamma-BHC (Lindane)		0.76	U	0.51	1.9
Heptachlor		0.51	U	0.24	1.9
Heptachlor epoxide		0.76	U	0.47	1.9
Endosulfan I		0.51	U	0.19	1.9
Endosulfan II		0.51	U	0.32	1.9
Endosulfan sulfate		0.51	U	0.30	1.9
Endrin		0.51	U	0.34	1.9
Endrin aldehyde		0.51	U	0.19	1.9
Endrin ketone		0.76	U	0.54	1.9
gamma-Chlordane		0.76	U	0.29	1.9
Methoxychlor		0.76	U	0.49	3.6
alpha-Chlordane		0.51	U	0.36	1.9
Dieldrin		0.51	U	0.23	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		70 - 125
DCB Decachlorobiphenyl	73		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6
Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.8 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2224			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		70 - 125
DCB Decachlorobiphenyl	74		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6
Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.8 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2252			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		150	U Ø	87	930

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72	D	70 - 125
DCB Decachlorobiphenyl	241	Q D	55 - 130

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6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10601AA

Lab Sample ID: 280-27123-7
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.4 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2241			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		1.0	U Q	0.81	2.5
4,4'-DDE		0.68	U Q	0.35	2.5
4,4'-DDT		2.5	J Q	0.87	3.0
Aldrin		0.68	U Q	0.37	2.5
alpha-BHC		0.68	U Q	0.32	2.5
beta-BHC		1.0	U Q	0.98	2.5
delta-BHC		1.0	U Q	0.59	2.5
gamma-BHC (Lindane)		1.0	U Q	0.69	2.5
Heptachlor		0.68	U Q	0.32	2.5
Heptachlor epoxide		1.0	U Q	0.63	2.5
Endosulfan I		0.68	U Q	0.26	2.5
Endosulfan II		0.68	U Q	0.42	2.5
Endosulfan sulfate		0.68	U Q	0.41	2.5
Endrin		0.68	U Q	0.45	2.5
Endrin aldehyde		0.68	U Q	0.25	2.5
Endrin ketone		1.0	U Q	0.72	2.5
gamma-Chlordane		1.0	U Q	0.39	2.5
Methoxychlor		1.0	U Q	0.66	4.9
alpha-Chlordane		0.68	U Q	0.48	2.5
Dieldrin		0.68	U Q	0.31	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	61	Q	70 - 125
DCB Decachlorobiphenyl	72		55 - 130

6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.4 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2241			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	56	Q	70 - 125
DCB Decachlorobiphenyl	90		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10601AA

Lab Sample ID: 280-27123-7
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.4 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2309			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		200	U Ø	120	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59	Q D	70 - 125
DCB Decachlorobiphenyl	58	D	55 - 130

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Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10602AA

Lab Sample ID: 280-27123-8
Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2258			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.76	U	0.60	1.9
4,4'-DDE		0.51	U	0.26	1.9
4,4'-DDT		0.76	U	0.65	2.2
Aldrin		0.51	U	0.28	1.9
alpha-BHC		0.51	U	0.24	1.9
beta-BHC		0.76	U	0.73	1.9
delta-BHC		0.76	U	0.44	1.9
gamma-BHC (Lindane)		0.76	U	0.51	1.9
Heptachlor		0.51	U	0.24	1.9
Heptachlor epoxide		0.76	U	0.47	1.9
Endosulfan I		0.51	U	0.19	1.9
Endosulfan II		0.51	U	0.32	1.9
Endosulfan sulfate		0.51	U	0.30	1.9
Endrin		0.51	U	0.34	1.9
Endrin aldehyde		0.51	U	0.19	1.9
Endrin ketone		0.76	U	0.54	1.9
gamma-Chlordane		0.76	U	0.29	1.9
Methoxychlor		0.76	U	0.50	3.6
alpha-Chlordane		0.51	U	0.36	1.9
Dieldrin		0.51	U	0.23	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		70 - 125
DCB Decachlorobiphenyl	68		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8
Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2258			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		70 - 125
DCB Decachlorobiphenyl	78		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10701AA

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2314			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.96	U Q	0.76	2.4
4,4'-DDE		5.6	Q	0.33	2.4
4,4'-DDT		15	Q	0.82	2.8
Aldrin		0.64	U Q	0.35	2.4
alpha-BHC		0.64	U Q	0.30	2.4
beta-BHC		0.96	U Q	0.93	2.4
delta-BHC		0.96	U Q	0.56	2.4
gamma-BHC (Lindane)		0.96	U Q	0.65	2.4
Heptachlor		0.64	U Q	0.30	2.4
Heptachlor epoxide		0.96	U Q	0.59	2.4
Endosulfan I		0.64	U Q	0.25	2.4
Endosulfan II		0.64	U Q	0.40	2.4
Endosulfan sulfate		0.64	U Q	0.38	2.4
Endrin		0.64	U Q	0.43	2.4
Endrin aldehyde		0.64	U Q	0.24	2.4
Endrin ketone		0.96	U Q	0.68	2.4
gamma-Chlordane		0.96	U Q	0.37	2.4
Methoxychlor		0.96	U Q	0.63	4.6
alpha-Chlordane		0.64	U Q	0.45	2.4
Dieldrin		0.39	J Q	0.29	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67	Q	70 - 125
DCB Decachlorobiphenyl	116	M	55 - 130

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Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8
Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.6 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2326			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		150	U	87	940

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72	D	70 - 125
DCB Decachlorobiphenyl	66	D	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10701AA

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2314			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		70 - 125
DCB Decachlorobiphenyl	180	Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10701AA

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2344			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		190	U ~~Q~~ J	110	1200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59	Q D	70 - 125
DCB Decachlorobiphenyl	180	Q D	55 - 130

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Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10702AA

Lab Sample ID: 280-27123-10
Client Matrix: Solid

% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2331			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.88	U Q	0.70	2.2
4,4'-DDE		0.59	U Q	0.30	2.2
4,4'-DDT		0.88	U Q	0.75	2.6
Aldrin		0.59	U Q	0.32	2.2
alpha-BHC		0.59	U Q	0.27	2.2
beta-BHC		0.88	U Q	0.85	2.2
delta-BHC		0.88	U Q	0.51	2.2
gamma-BHC (Lindane)		0.88	U Q	0.59	2.2
Heptachlor		0.59	U Q	0.27	2.2
Heptachlor epoxide		0.88	U Q	0.54	2.2
Endosulfan I		0.59	U Q	0.22	2.2
Endosulfan II		0.59	U Q	0.37	2.2
Endosulfan sulfate		0.59	U Q	0.35	2.2
Endrin		0.59	U Q	0.39	2.2
Endrin aldehyde		0.59	U Q	0.22	2.2
Endrin ketone		0.88	U Q	0.62	2.2
gamma-Chlordane		0.88	U Q	0.34	2.2
Methoxychlor		0.88	U Q	0.57	4.2
alpha-Chlordane		0.59	U Q	0.41	2.2
Dieldrin		0.59	U Q	0.27	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	62	Q	70 - 125
DCB Decachlorobiphenyl	55		55 - 130

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Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10702AA

Lab Sample ID: 280-27123-10
Client Matrix: Solid

% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2331			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64	Q	70 - 125
DCB Decachlorobiphenyl	73		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10
Client Matrix: Solid

% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.2 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/17/2012 0001			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		170	U ~~Q~~ J	100	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59	Q D	70 - 125
DCB Decachlorobiphenyl	48	Q D	55 - 130

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Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-114395	Instrument ID:	GCS_P1
Prep Method:	3510C	Prep Batch:	280-113965	Initial Weight/Volume:	1037.4 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/05/2012 2315			Injection Volume:	1 uL
Prep Date:	04/02/2012 1750			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
4,4'-DDD	0.0096	U	0.0074	0.048
4,4'-DDE	0.0096	U	0.0072	0.048
4,4'-DDT	0.0096	U	0.014	0.048
Aldrin	0.0096	U	0.0057	0.048
alpha-BHC	0.0096	U	0.0051	0.048
beta-BHC	0.0096	U	0.0084	0.048
delta-BHC	0.0096	U	0.0056	0.048
gamma-BHC (Lindane)	0.0096	U	0.0067	0.048
Heptachlor	0.0096	U	0.0074	0.048
Heptachlor epoxide	0.0096	U	0.0072	0.048
Endosulfan I	0.0096	U	0.0056	0.048
Endosulfan II	0.0096	U	0.0067	0.048
Endosulfan sulfate	0.0096	U	0.0055	0.048
Endrin	0.0096	U	0.0076	0.048
Endrin aldehyde	0.0096	U	0.0085	0.048
Endrin ketone	0.0096	U	0.0067	0.048
gamma-Chlordane	0.0096	U	0.0088	0.048
Methoxychlor	0.0096	U	0.013	0.096
alpha-Chlordane	0.0096	U	0.0051	0.048
Dieldrin	0.0096	U	0.0061	0.048
Toxaphene	0.77	U	0.35	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		25 - 140
DCB Decachlorobiphenyl	100		30 - 135

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-114395	Instrument ID:	GCS_P1
Prep Method:	3510C	Prep Batch:	280-113965	Initial Weight/Volume:	1037.4 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/05/2012 2315			Injection Volume:	1 uL
Prep Date:	04/02/2012 1750			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		25 - 140
DCB Decachlorobiphenyl	97		30 - 135

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10101AA

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 1742			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		15	U Q	7.8	51
PCB-1221		31	U Q	24	51
PCB-1232		15	U Q	7.9	51
PCB-1242		15	U Q	14	51
PCB-1248		15	U Q	8.6	51
PCB-1254		15	U Q	8.5	51
PCB-1260		15	U Q	4.1	51

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	944	J Q	59 - 130
Tetrachloro-m-xylene	94		53 - 128

dlt 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10201AA

Lab Sample ID: 280-27123-2
Client Matrix: Solid

% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 1805			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		16	U Q	8.0	52
PCB-1221		31	U Q	24	52
PCB-1232		16	U Q	8.0	52
PCB-1242		16	U Q	14	52
PCB-1248		16	U Q	8.8	52
PCB-1254		16	U Q	8.7	52
PCB-1260		16	U Q	4.2	52

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	274	J Q	59 - 130
Tetrachloro-m-xylene	74		53 - 128

mt 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10301AA

Lab Sample ID: 280-27123-3
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 1828			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		14	U Q	7.3	48
PCB-1221		29	U Q	22	48
PCB-1232		14	U Q	7.4	48
PCB-1242		14	U Q	13	48
PCB-1248		14	U Q	8.1	48
PCB-1254		14	U Q	7.9	48
PCB-1260		14	U Q	3.8	48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	38	Q	59 - 130
Tetrachloro-m-xylene	60		53 - 128

CVA
6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4
Client Matrix: Solid

% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2000			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		14	U Q	7.4	48
PCB-1221		29	U Q	23	48
PCB-1232		14	U Q	7.4	48
PCB-1242		14	U Q	13	48
PCB-1248		14	U Q	8.1	48
PCB-1254		14	U Q	8.0	48
PCB-1260		14	U Q	3.8	48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	49	Q	59 - 130
Tetrachloro-m-xylene	70		53 - 128

6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10501AA

Lab Sample ID: 280-27123-5
Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2023			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		15	U Q	7.4	48
PCB-1221		29	U Q	23	48
PCB-1232		15	U Q	7.5	48
PCB-1242		15	U Q	13	48
PCB-1248		15	U Q	8.2	48
PCB-1254		15	U Q	8.1	48
PCB-1260		15	U Q	3.9	48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	37	Q	59 - 130
Tetrachloro-m-xylene	55		53 - 128

6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10502AA

Lab Sample ID: 280-27123-6
Client Matrix: Solid
% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.8 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2046			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		11	U	5.6	36
PCB-1221		22	U	17	36
PCB-1232		11	U	5.6	36
PCB-1242		11	U	10	36
PCB-1248		11	U	6.2	36
PCB-1254		11	U	6.1	36
PCB-1260		11	U	2.9	36

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65		59 - 130
Tetrachloro-m-xylene	79		53 - 128

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.4 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2109			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		15	U	7.5	49
PCB-1221		30	U	23	49
PCB-1232		15	U	7.6	49
PCB-1242		15	U	13	49
PCB-1248		15	U	8.3	49
PCB-1254		15	U	8.1	49
PCB-1260		15	U	3.9	49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81		59 - 130
Tetrachloro-m-xylene	62		53 - 128

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8
Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2132			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		11	U	5.6	36
PCB-1221		22	U	17	36
PCB-1232		11	U	5.7	36
PCB-1242		11	U	10	36
PCB-1248		11	U	6.2	36
PCB-1254		11	U	6.1	36
PCB-1260		11	U	2.9	36

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	70		59 - 130
Tetrachloro-m-xylene	82		53 - 128

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10701AA

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2155			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		14	U	7.1	46
PCB-1221		28	U	22	46
PCB-1232		14	U	7.1	46
PCB-1242		14	U	13	46
PCB-1248		14	U	7.8	46
PCB-1254		11	J	7.7	46
PCB-1260		14	U	3.7	46

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	49	Q	59 - 130
Tetrachloro-m-xylene	70		53 - 128

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Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10701AA

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2155			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	54	Q	59 - 130
Tetrachloro-m-xylene	71		53 - 128

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10
Client Matrix: Solid

% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2219			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		13	U Q	6.5	42
PCB-1221		26	U Q	20	42
PCB-1232		13	U Q	6.5	42
PCB-1242		13	U Q	12	42
PCB-1248		13	U Q	7.2	42
PCB-1254		13	U Q	7.0	42
PCB-1260		13	U Q	3.4	42

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	46	Q	59 - 130
Tetrachloro-m-xylene	67		53 - 128

6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: 032712AE

Lab Sample ID: 280-27123-11EB

Client Matrix: Water

Date Sampled: 03/27/2012 1410

Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-115556	Instrument ID:	GCS_W
Prep Method:	3510C	Prep Batch:	280-113965	Initial Weight/Volume:	1037.4 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/13/2012 1914			Injection Volume:	1 uL
Prep Date:	04/02/2012 1750			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
PCB-1016	0.29	U	0.12	0.96
PCB-1221	0.29	U	0.21	0.96
PCB-1232	0.39	U	0.16	0.96
PCB-1242	0.29	U	0.10	0.96
PCB-1248	0.19	U	0.088	0.96
PCB-1254	0.29	U	0.11	0.96
PCB-1260	0.29	U	0.15	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		40 - 135
Tetrachloro-m-xylene	93		25 - 120

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10101AA

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	04/02/2012 1229			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		990		19	130
Magnesium		200		4.9	40
Potassium		150	J	54	400
Sodium		130	U	78	660

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0			Initial Weight/Volume:	1.18 g
Analysis Date:	04/03/2012 1159			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		2300	~~Ø~~	10	330
Iron		240000	~~Ø~~	25	530
Boron		6.6	U	6.5	66

mrt 6/1/12

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	046AREF.D
Dilution:	1.0			Initial Weight/Volume:	1.16 g
Analysis Date:	04/02/2012 1922			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		6000	~~Ø~~	19	270
Arsenic		30000	~~Ø~~	68	670
Beryllium		69	~~Ø~~ J	30	130
Cadmium		5300	~~Ø~~	13	130
Chromium		96000	J	100	270
Cobalt		28000	J	8.9	130
Molybdenum		5100	~~Ø~~	24	270
Selenium		320	~~Ø~~ J	180	670
Silver		880		27	130
Thallium		99	~~Ø~~ J	4.7	130
Vanadium		5200	~~Ø~~	52	670

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	066AREF.D
Dilution:	20			Initial Weight/Volume:	1.16 g
Analysis Date:	04/02/2012 2019	Run Type:	DL	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

mrt 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1
Client Matrix: Solid

% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

6020 Metals (ICP/MS)

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Barium		3400000	~~D~~	1900	6700
Copper		330000	~~D~~	1900	67000
Lead		800000	~~D~~	490	2700
Manganese		1800000	~~D~~	890	2700
Nickel		180000	~~D~~	680	9400
Zinc		3700000	~~D~~	8500	67000

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	10			Initial Weight/Volume:	0.62 g
Analysis Date:	04/03/2012 1714			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		820	~~D~~	83	500

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6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10201AA

Lab Sample ID: 280-27123-2
Client Matrix: Solid

% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Analysis Date:	04/02/2012 1241			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		1900		22	160
Magnesium		310		5.9	47
Potassium		220	J	65	470
Sodium		160	U	93	790

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0			Initial Weight/Volume:	1.06 g
Analysis Date:	04/03/2012 1220			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		2800	~~D~~	12	400
Iron		200000	~~D~~	30	630
Boron		7.9	U	7.8	79

MA 6/1/12

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	051SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.17 g
Analysis Date:	04/02/2012 1936			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		1100		20	290
Arsenic		11000		73	720
Barium		200000		100	360
Beryllium		98	J	32	140
Cadmium		6700	~~Q~~	13	140
Chromium		11000		110	290
Cobalt		9100		9.5	140
Copper		56000		100	3600
Lead		1800000		26	140
Manganese		350000		47	140
Molybdenum		1300		25	290
Nickel		18000		36	500
Selenium		900		190	720
Silver		320		29	140
Thallium		110	J	5.0	140
Vanadium		5700		55	720
Zinc		1600000		450	3600

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10301AA

Lab Sample ID: 280-27123-3
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.19 g
Analysis Date:	04/02/2012 1253			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		620		18	130
Magnesium		230		4.8	39
Potassium		150	J	53	390
Sodium		130	U	77	650

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0			Initial Weight/Volume:	1.19 g
Analysis Date:	04/03/2012 1223			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		2200	~~D~~	10	320
Iron		250000	~~D~~	25	520
Boron		6.5	U	6.4	65

mtd 6/1/12

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	052SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Analysis Date:	04/02/2012 1939			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		3900		21	300
Arsenic		28000		77	760
Barium		50000		110	380
Beryllium		78	J	34	150
Cadmium		3200	~~Q~~	14	150
Chromium		72000		120	300
Cobalt		22000		10	150
Copper		250000		110	3800
Lead		380000		28	150
Manganese		1100000		50	150
Molybdenum		11000		27	300
Nickel		87000		38	530
Selenium		280	J	200	760
Silver		240		31	150
Thallium		92	J	5.3	150
Vanadium		5500		58	760
Zinc		1400000		480	3800

mtd 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2
Client Matrix: Solid

% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	20			Initial Weight/Volume:	0.62 g
Analysis Date:	04/03/2012 1723			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		15000	D	180	1100

cwt 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10401AA

Lab Sample ID: 280-27123-4
Client Matrix: Solid

% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.19 g
Analysis Date:	04/02/2012 1256			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		160		18	120
Magnesium		240		4.6	37
Potassium		220	J	51	370
Sodium		120	U	73	620

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0			Initial Weight/Volume:	1.19 g
Analysis Date:	04/03/2012 1225			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		2500	~~D~~	9.6	310
Iron		57000	~~D~~	24	500
Boron		6.2	U	6.1	62

Cvtt 6/1/12

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	056SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	04/02/2012 1950			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		220	J	20	280
Arsenic		4400		72	710
Barium		17000		100	360
Beryllium		70	J	32	140
Cadmium		760	~~D~~	13	140
Chromium		15000		110	280
Cobalt		2200		9.4	140
Copper		58000		100	3600
Lead		99000		26	140
Manganese		95000		47	140
Molybdenum		2900		25	280
Nickel		12000		36	500
Selenium		700	J	190	710
Silver		250		29	140
Thallium		86	J	5.0	140
Vanadium		11000		55	710
Zinc		100000		450	3600

Lvt 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10301AA

Lab Sample ID: 280-27123-3
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	04/03/2012 1725			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		190		8.3	49

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10501AA

Lab Sample ID: 280-27123-5
Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2012 1258			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		300		22	150
Magnesium		250		5.7	46
Potassium		270	J	63	460
Sodium		150	U	91	770

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0			Initial Weight/Volume:	1.01 g
Analysis Date:	04/03/2012 1228			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		3300	~~D~~	12	390
Iron		77000	~~D~~	29	620
Boron		7.7	U	7.6	77

LWA 6/1/12

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	057SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2012 1953			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		740		22	310
Arsenic		16000		78	770
Barium		490000		110	390
Beryllium		100	J	35	150
Cadmium		720	~~D~~	15	150
Chromium		37000		120	310
Cobalt		6000		10	150
Copper		74000		110	3900
Manganese		360000		51	150
Molybdenum		3400		27	310
Nickel		22000		39	540
Selenium		750	J	210	770
Silver		290		31	150
Thallium		120	J	5.4	150
Vanadium		7000		60	770
Zinc		110000		490	3900

LWA 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4
Client Matrix: Solid

% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	04/03/2012 1728			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		110		7.9	47

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10502AA

Lab Sample ID: 280-27123-6
Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	04/02/2012 1301			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		150		16	110
Iron		6900		4.3	90
Magnesium		910		4.2	34
Potassium		680		46	340
Sodium		110	U	66	560

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	04/03/2012 1230			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		4500		1.7	56
Boron		1.8	J	1.1	11

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	058SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Analysis Date:	04/02/2012 1956			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		26	J	15	210
Arsenic		860		53	520
Barium		18000		74	260
Beryllium		150		24	100
Cadmium		280		9.8	100
Chromium		4800		79	210
Cobalt		1200		6.9	100
Copper		5400		74	2600
Manganese		38000		34	100
Molybdenum		100	J	18	210
Nickel		3600		26	370
Selenium		370	J	140	520
Silver		63	U	21	100
Thallium		40	J	3.7	100
Vanadium		4800		40	520
Zinc		21000		330	2600

Cwd
5/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5
Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	071SMPL.D
Dilution:	20			Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2012 2033	Run Type:	DL	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Lead		5100000	~~D~~	560	3100

cmt 6/1/12

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	04/03/2012 1734			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		830		8.6	52

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6
Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	072SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Analysis Date:	04/02/2012 2036			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Lead		81000		19	100

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.69 g
Analysis Date:	04/03/2012 1737			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		23	J	5.8	34

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10601AA

Lab Sample ID: 280-27123-7
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	04/02/2012 1303			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		630		18	130
Iron		14000		5.0	100
Magnesium		220		4.8	39
Potassium		240	J	54	390
Sodium		130	U	77	650

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	04/03/2012 1232			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		3100		2.0	65
Boron		2.2	J	1.3	13

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	059SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	04/02/2012 1959			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		160	J	21	300
Arsenic		3100		76	750
Barium		48000		110	380
Beryllium		62	J	34	150
Cadmium		3100	~~J~~	14	150
Chromium		5200		110	300
Cobalt		1400		9.9	150
Copper		28000		110	3800
Lead		96000		27	150
Manganese		410000		50	150
Molybdenum		410		26	300
Nickel		5400		38	530
Selenium		680	J	200	750
Silver		92	J	30	150
Thallium		62	J	5.3	150
Vanadium		5500		58	750
Zinc		620000		470	3800

CMK
5/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10602AA

Lab Sample ID: 280-27123-8
Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2012 1306			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		230		16	120
Iron		5300		4.4	92
Magnesium		1400		4.3	35
Potassium		610		47	350
Sodium		120	U	68	580

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	04/03/2012 1235			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		5700		1.8	58
Boron		1.6	J	1.1	12

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	060SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Analysis Date:	04/02/2012 2001			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		43	U	15	210
Arsenic		360	J	54	530
Barium		13000		75	270
Beryllium		120		24	110
Cadmium		470		10	110
Chromium		4800		81	210
Cobalt		1600		7.1	110
Copper		3900		76	2700
Lead		8300		19	110
Manganese		250000		35	110
Molybdenum		67	J	19	210
Nickel		4600		27	370
Selenium		270	J	140	530
Silver		64	U	22	110
Thallium		38	J	3.7	110
Vanadium		7300		41	530
Zinc		250000		340	2700

Lett 4/11/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7
Client Matrix: Solid

% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	04/03/2012 1739			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		570		8.4	50

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10701AA

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.19 g
Analysis Date:	04/02/2012 1308			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		320		17	120
Magnesium		150		4.4	36
Potassium		180	J	49	360
Sodium		120	U	70	600

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0			Initial Weight/Volume:	1.19 g
Analysis Date:	04/03/2012 1237			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		2900	D	9.3	300
Iron		58000	D	23	480
Boron		6.0	U	5.9	60

CMS 6/1/12

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	061SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.17 g
Analysis Date:	04/02/2012 2004			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		980		17	240
Arsenic		9200		61	610
Barium		360000		86	300
Beryllium		150		27	120
Cadmium		1800	D	11	120
Chromium		20000		92	240
Cobalt		7200		8.1	120
Copper		270000		86	3000
Lead		1100000		22	120
Manganese		280000		40	120
Molybdenum		3000		21	240
Nickel		25000		31	430
Selenium		670		160	610
Silver		120		25	120
Thallium		78	J	4.3	120
Vanadium		15000		47	610
Zinc		320000		380	3000

CMS 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8
Client Matrix: Solid

% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.69 g
Analysis Date:	04/03/2012 1741			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		19	J	5.6	33

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9
Client Matrix: Solid

% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	04/03/2012 1744			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		100		7.7	46

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: UNK10702AA

Lab Sample ID: 280-27123-10
Client Matrix: Solid

% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2012 1310			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		150		18	130
Iron		2100		4.8	100
Magnesium		590		4.7	38
Potassium		730		52	380
Sodium		130	U	75	640

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	04/03/2012 1240			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		5100		2.0	64
Boron		1.9	J	1.2	13

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	062SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.19 g
Analysis Date:	04/02/2012 2007			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		43	U	15	220
Arsenic		410	J	55	540
Barium		18000		76	270
Beryllium		200		24	110
Cadmium		340		10	110
Chromium		8500		82	220
Cobalt		1900		7.2	110
Copper		4100		77	2700
Lead		3300		20	110
Manganese		44000		36	110
Molybdenum		110	J	19	220
Nickel		6700		27	380
Selenium		640		140	540
Silver		65	U	22	110
Thallium		43	J	3.8	110
Vanadium		9000		42	540
Zinc		70000		340	2700

EMS 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10
Client Matrix: Solid

% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	04/03/2012 1746			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		56		6.7	40

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: 032712AE

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114798	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-114545	Lab File ID:	25A4040912.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 0052			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	30	U	18	300
Boron	4.0	U	4.4	100
Magnesium	25	U	11	500

Analysis Method:	6010B	Analysis Batch:	280-114957	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-114545	Lab File ID:	25A2041012.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1156			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Calcium	80	U	35	1000
Iron	30	U	22	100
Potassium	250	U	240	3000
Sodium	250	U	92	5000

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114972	Instrument ID:	MT_024
Prep Method:	3020A	Prep Batch:	280-114586	Lab File ID:	021AREF.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1654			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 0830				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Antimony	0.20	U	0.40	6.0
Arsenic	0.60	U	0.33	5.0
Barium	0.85	U	0.29	3.0
Beryllium	0.24	U	0.080	1.0
Cadmium	0.12	U	0.10	1.0
Chromium	1.5	U	0.50	10
Cobalt	0.030	U	0.054	1.0
Copper	1.5	U	0.56	2.0
Lead	0.50	U	0.18	3.0
Manganese	0.90	U	0.31	3.5
Molybdenum	0.40	U	0.14	2.0
Nickel	0.90	U	0.30	3.0
Selenium	2.0	U	0.70	5.0
Silver	0.045	U	0.033	5.0
Thallium	0.060	U	0.050	1.0
Vanadium	0.40	U	0.50	6.0
Zinc	6.0	U	2.0	20

CMA 6/1/12

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	280-114270	Instrument ID:	MT_034
Prep Method:	7470A	Prep Batch:	280-114152	Lab File ID:	120404taa.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	04/04/2012 1246			Final Weight/Volume:	30 mL
Prep Date:	04/04/2012 0840				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.038	J	0.027	0.20

General Chemistry

Client Sample ID: UNK10101AA

Lab Sample ID: 280-27123-1
Client Matrix: Solid

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	36		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853					DryWt Corrected: N
Percent Solids	64		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853					DryWt Corrected: N

Appendix E
Raw Laboratory Data

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-27123-1

Job Description: Griffiss AFB AOI 474

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

Attention: Daniel Baldyga

Approved for release.
Elaine Walker
Project Manager I
4/26/2012 12:07 PM

Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
04/26/2012

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

The Lab Certification ID# is E87667.

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

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
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ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

Cover Title Page 1

Data Summaries 6

- Report Narrative 6
- Manual Integration Summary 12
- Sample Summary 34
- Executive Summary 35
- Method Summary 47
- Method / Analyst Summary 48
- Sample Datasheets 49
- Surrogate Summary 174
- QC Data Summary 182
- Data Qualifiers 259
- QC Association Summary 261
- Lab Chronicle 272
- Reagent Traceability 287
- Certification Summary 452

Organic Sample Data 453

- GC/MS VOA 453
  - Method 8260B DOD 453
    - Method 8260B DOD QC Summary 454
    - Method 8260B DOD Sample Data 485
    - Standards Data 586
      - Method 8260B DOD ICAL Data 586
      - Method 8260B DOD CCAL Data 791
    - Raw QC Data 861
      - Method 8260B DOD Tune Data 861

Table of Contents

Method 8260B DOD Blank Data 897

Method 8260B DOD LCS/LCSD Data 925

Method 8260B DOD MS/MSD Data 946

Method 8260B DOD Run Logs 975

GC/MS Semi VOA 1001

Method 8270C DOD 1001

Method 8270C DOD QC Summary 1002

Method 8270C DOD Sample Data 1023

Standards Data 1237

Method 8270C DOD ICAL Data 1237

Method 8270C DOD CCAL Data 1310

Raw QC Data 1344

Method 8270C DOD Tune Data 1344

Method 8270C DOD Blank Data 1359

Method 8270C DOD LCS/LCSD Data 1376

Method 8270C DOD MS/MSD Data 1397

Method 8270C DOD Run Logs 1413

Method 8270C DOD Prep Data 1432

GC Semi VOA 1436

Method 8081A 1436

Method 8081A QC Summary 1437

Method 8081A Sample Data 1471

Standards Data 1605

Method 8081A ICAL Data 1605

Method 8081A PEM Data 1677

Method 8081A CCAL Data 1695

Table of Contents

Raw QC Data 1828

Method 8081A Blank Data 1828

Method 8081A LCS/LCSD Data 1844

Method 8081A MS/MSD Data 1868

Method 8081A Run Logs 1893

Method 8081A Prep Data 1900

Method 8082 1903

Method 8082 QC Summary 1904

Method 8082 Sample Data 1920

Standards Data 1968

Method 8082 ICAL Data 1968

Method 8082 CCAL Data 2138

Raw QC Data 2238

Method 8082 Blank Data 2238

Method 8082 LCS/LCSD Data 2250

Method 8082 MS/MSD Data 2262

Method 8082 Run Logs 2270

Method 8082 Prep Data 2275

Inorganic Sample Data 2278

Metals Data 2278

Met Cover Page 2279

Met Sample Data 2280

Met QC Data 2291

Met ICV/CCV 2291

Met CRQL 2312

Met Blanks 2316

Table of Contents

Met ICSA/ICSAB 2335

Met MS/MSD/PDS 2347

Met LCS/LCSD 2354

Met Serial Dilution 2365

Met MDL 2370

Met IECF 2382

Met Linear Ranges 2394

Met Preparation Log 2398

Met Analysis Run Log 2404

Met ICP/MS Tune 2426

Met ICP/MS Int Stds 2428

Met Raw Data 2430

Met Prep Data 5104

General Chemistry Data 5113

Gen Chem Cover Page 5114

Gen Chem MDL 5115

Gen Chem Analysis Run Log 5116

Gen Chem Raw Data 5118

Gen Chem Prep Data 5119

Shipping and Receiving Documents 5120

Client Chain of Custody 5121

Sample Receipt Checklist 5123

CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB AOI 474
Report Number: 280-27123-1

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

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

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

RECEIPT

Thirteen samples were received on 03/29/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.6ºC, 4.8ºC, and 2.0ºC.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/04/2012 and 04/06/2012.

Several analytes were detected in method blank MB 280-114240/1-A at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged “J”. However, because the result concentration was less than ½ the respective reporting limit, no corrective action was necessary.

Carbon disulfide was detected in method blank MB 280-114501/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The 4-Bromofluorobenzene and Toluene-d8 surrogates failed the recovery criteria high for samples UNK10101AA (280-27123-1), UNK10301AA (280-27123-3), and UNK10401AA (280-27123-4). Evidence of matrix interference is present ; samples have been qualified and reported

The 4-Bromofluorobenzene surrogate failed the recovery criteria high for samples UNK10201AA (280-27123-2), UNK10501AA (280-27123-5), and UNK10601AA (280-27123-7). Evidence of matrix interference is present ; samples have been qualified and reported

The Toluene-d8 surrogate failed the recovery criteria high for sample UNK10701AA (280-27123-9). Evidence of matrix interference is present ; samples have been qualified and reported

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 280-114709, performed on sample UNK10401AA (280-27123-4), were outside control limits for multiple compounds. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 280-114253, performed on sample UNK10502AA (280-27123-6), were outside control for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, and 2-Butanone (MEK. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Internal standard responses were outside of acceptance limits (less than 50% recovery) for 1,4 Dichlorobenzene d4 for the following samples: UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10501AA (280-27123-5), and UNK10601AA (280-27123-7). The samples show evidence of matrix interference. The samples contain organic matter which is known to affect the recovery of spiked compounds. The samples have been qualified and reported

The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 280-114709: 1,2-Dichloroethane-d4 (Surr). The compound is not classified as a Calibration Check Compound (CCC) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for 6 analytes to be outside limits; therefore, the data have been reported.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - Water

Samples 032712AE (280-27123-11), 032712AF (280-27123-12), and 032712AR (280-27123-13) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/09/2012.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9) and UNK10702AA (280-27123-10) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 03/31/2012 and analyzed on 04/18/2012 and 04/19/2012.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 280-113829/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Samples UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), and UNK10601AA (280-27123-7) required dilutions prior to analysis due to the abundance of non-target analytes. The LOQ, LOD, and DL have been adjusted accordingly.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 280-113829, performed on sample UNK10301AA (280-27123-3), were outside control limits for the following analytes: 3,3'-Dichlorobenzidine, Hexachlorocyclopentadiene, and 4-Nitroaniline. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Benzo(b)fluoranthene and Benzo(k)fluoranthene were unresolved due to matrix interference for samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9) and UNK10702AA (280-27123-10). The results are reported as Benzo(b)fluoranthene, and the Benzo(b)fluoranthene & Benzo(k)fluoranthene results have been "K" flagged.

The initial calibration verification (ICV) for analytical batch 280-116156 exceeded control criteria for Benzaldehyde at 136%, with an upper limit of 125%. The recovery was high in the ICV and this compound was not detected in the associated samples, therefore the data have been reported.

No other difficulties were encountered during the SVOC analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - WATER

Sample 032712AE (280-27123-11) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The sample was prepared on 04/03/2012 and analyzed on 04/18/2012.

No difficulties were encountered during the SVOC analysis.

All quality control parameters were within the acceptance limits.

ORGANOPHOSPHORUS PESTICIDES - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for organophosphorus pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 04/02/2012 and analyzed on 04/11/2012, 04/16/2012 and 04/17/2012.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The Decachlorobiphenyl surrogate failed the recovery criteria high for samples UNK10101AA (280-27123-1), UNK10502AA (280-27123-6), and UNK10201AAMS (280-27123-2MS). Evidence of matrix interference is present; therefore, re-extraction and/or reanalysis were not performed.

The Decachlorobiphenyl and Tetrachloro-m-xylene surrogates failed the recovery criteria low for samples UNK10702AA (280-27123-10) and UNK10702AAMSD (280-27123-10MSD). Evidence of matrix interference is present; therefore, re-extraction and/or reanalysis were not performed.

The Tetrachloro-m-xylene surrogate failed the recovery criteria low for samples UNK10601AA (280-27123-7) and UNK10702AAMS (280-27123-10MS). Evidence of matrix interference is present; therefore, re-extraction and/or reanalysis were not performed.

The Tetrachloro-m-xylene surrogate failed the recovery criteria low, and the Decachlorobiphenyl surrogate failed the recovery criteria high

for samples UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10701AA (280-27123-9), and UNK10201AAMSD (280-27123-2MSD). Evidence of matrix interference is present; therefore, re-extraction and/or reanalysis were not performed.

Several analytes failed the recovery criteria low for the matrix spike (MS) and matrix spike duplicate (MSD) of sample UNK10201AA (280-27123-2) in batch 280-115240. In addition, several analytes exceeded the RPD limit. Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

The matrix spike duplicate (MSD) recovery for prep batch 280-113973 was outside control limits for Toxaphene. The parent sample is reported from a dilution and is ND for Toxaphene. The matrix spike (MS) and associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) required dilutions for Toxaphene prior to analysis due to the nature of the sample matrix. The sample matrix is suspected to have caused the bracketing CCVs for Toxaphene to recover outside the control limits. The LOQ, LOD, and DL have been adjusted accordingly.

The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: (280-27123-2 MS), (280-27123-2 MSD), UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10501AA (280-27123-5), UNK10601AA (280-27123-7), and UNK10701AA (280-27123-9).

No other difficulties were encountered during the pesticides analyses.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES - WATER

Sample 032712AE (280-27123-11) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The sample was prepared on 04/02/2012 and analyzed on 04/05/2012.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS) - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 04/02/2012 and analyzed on 04/10/2012.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The Decachlorobiphenyl surrogate failed the recovery criteria high for samples UNK10101AA (280-27123-1) and UNK10201AA (280-27123-2). Evidence of matrix interference was present in the sample chromatogram and the extract was amber in color; therefore, re-extraction and/or reanalysis were not performed. The surrogate recoveries were outside calibration range, possibly due to a co-eluting non-target peak. The surrogates have been flagged "J".

The Decachlorobiphenyl surrogate failed the recovery criteria low for samples UNK10702AA (280-27123-10), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10701AA (280-27123-9), and UNK10301AAMSD (280-27123-3MSD). Evidence of matrix interference was present in the sample chromatogram and the extract was amber in color; therefore, re-extraction and/or reanalysis were not performed.

PCB-1260 failed the recovery criteria low for the matrix spike (MS) and matrix spike duplicate (MSD) of sample UNK10301AA (280-27123-3) in batch 280-114993. Evidence of matrix interference is present in the sample chromatogram and the extract was amber in color. The associated laboratory control sample (LCS) recovery met acceptance criteria, and the sample results have been flagged accordingly.

The following samples underwent a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: (280-27123-3 MS), (280-27123-3 MSD), (LCS 280-113973/3-A), (MB 280-113973/1-A), UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10).

The following samples underwent a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: (280-27123-3 MS), (280-27123-3 MSD), (LCS 280-113973/3-A), (MB 280-113973/1-A), UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10).

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS) - WATER

Sample 032712AE (280-27123-11) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The sample was prepared on 04/02/2012 and analyzed on 04/13/2012.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The following samples underwent a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: (LCS 280-113965/3-A), (MB 280-113965/1-A), and 032712AE (280-27123-11).

The following samples underwent a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: (LCS 280-113965/3-A), (MB 280-113965/1-A), and 032712AE (280-27123-11).

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP) - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 03/30/2012 and analyzed on 04/02/2012 and 04/03/2012.

Boron was detected in method blank MB 280-113656/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Aluminum and Iron failed the recovery criteria high for the matrix spike (MS) and matrix spike duplicate of sample UNK10101AA (280-27123-1) in batch 280-114077. Aluminum and Iron also exceeded the RPD limit. The presence of the '4' qualifier in the report indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), and UNK10701AA (280-27123-9) required dilutions prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS) - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for total metals in accordance with EPA SW-846 Method 6020. The samples were prepared on 03/30/2012 and analyzed on 04/02/2012.

Barium, Cadmium, Copper, and Lead were detected in method blank MB 280-113654/1-A at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged "J". However, because the result concentrations were less than ½ the respective reporting limit, no corrective action was necessary

Antimony, Barium, Chromium, Copper, Nickel, Selenium, and Zinc failed the recovery criteria low for the matrix spike (MS) of sample UNK10101AA (280-27123-1). Lead and Manganese failed the recovery criteria high. Antimony, Barium, Chromium, Cobalt, Nickel, Selenium, and Zinc failed the recovery criteria low for the matrix spike duplicate (MSD). Arsenic, Copper, Lead, Manganese, and Vanadium failed the recovery criteria high. In addition, Arsenic, Barium, Copper, Lead, Molybdenum, and Zinc exceeded the RPD limit. The presence of the '4' qualifier in the report indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

Samples UNK10101AA (280-27123-1) and UNK10501AA (280-27123-5) required dilutions prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

The ICSA solution, which is used as the ICP-MS interference check standard, shows results for several metals at levels above the DoD acceptance limits (>LOD). For prep batch 280-113654, the initial ICSA solution was above the DoD acceptance limit for Cadmium. We believe the solution contains trace impurities of this element and that the result is not an artifact of matrix interference. This result agrees with that found by the manufacturer of the ICSA solution. The associated sample results have been flagged “Q” for Cadmium.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY - SOIL

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 04/03/2012.

Mercury failed the recovery criteria high for the matrix spike (MS) of sample UNK10101AAMS (280-27123-1) in batch 280-114184. Mercury also exceeded the RPD limit. The associated laboratory control sample (LCS) recovery met acceptance criteria, and the sample results have been flagged accordingly.

Samples UNK10101AA (280-27123-1) and UNK10201AA (280-27123-2) required dilutions prior to analysis due to the abundance of target analytes. The LOQ, LOD, and DL have been adjusted accordingly.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP) - WATER

Sample 032712AE (280-27123-11) was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The sample was prepared on 04/09/2012 and analyzed on 04/10/2012.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS) - WATER

Sample 032712AE (280-27123-11) was analyzed for total metals in accordance with EPA SW-846 Method 6020. The sample was prepared and analyzed on 04/10/2012.

The ICSA solution, which is used as the ICP-MS interference check standard, shows results for several metals at levels above the DoD acceptance limits (>LOD). For prep batch 280-114586, the initial ICSA solution was above the DoD acceptance limit for Cadmium. We believe the solution contains trace impurities of this element and that the result is not an artifact of matrix interference. This result agrees with that found by the manufacturer of the ICSA solution. The associated sample results have been flagged “Q” for Cadmium

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY - WATER

Sample 032712AE (280-27123-11) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The sample was prepared and analyzed on 04/04/2012.

Mercury was detected in method blank MB 280-114152/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

No other difficulties were encountered during the mercury analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples UNK10101AA (280-27123-1), UNK10201AA (280-27123-2), UNK10301AA (280-27123-3), UNK10401AA (280-27123-4), UNK10501AA (280-27123-5), UNK10502AA (280-27123-6), UNK10601AA (280-27123-7), UNK10602AA (280-27123-8), UNK10701AA (280-27123-9), and UNK10702AA (280-27123-10) were analyzed for percent solids in accordance with EPA SW846 3550C. The samples were analyzed on 03/30/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 112708

Lab Sample ID: IC 280-112708/16 Client Sample ID:

Date Analyzed: 03/21/12 18:17 Lab File ID: 03210024.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:57

Lab Sample ID: IC 280-112708/17 Client Sample ID:

Date Analyzed: 03/21/12 18:34 Lab File ID: 03210025.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:57

Lab Sample ID: IC 280-112708/18 Client Sample ID:

Date Analyzed: 03/21/12 18:51 Lab File ID: 03210026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:58

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PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 112708

Lab Sample ID: IC 280-112708/19 Client Sample ID:

Date Analyzed: 03/21/12 19:08 Lab File ID: 03210027.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:58

Lab Sample ID: IC 280-112708/20 Client Sample ID:

Date Analyzed: 03/21/12 19:24 Lab File ID: 03210028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 4	7.65	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:58

Lab Sample ID: IC 280-112708/20 Client Sample ID:

Date Analyzed: 03/21/12 19:24 Lab File ID: 03210028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 1	5.74	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 2	6.16	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 3	6.68	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 4	7.08	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 5	7.91	Baseline Event	pavlakoa	03/22/12 13:04

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PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 112708

Lab Sample ID: IC 280-112708/21 Client Sample ID:

Date Analyzed: 03/21/12 19:41 Lab File ID: 03210029.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:58

Lab Sample ID: IC 280-112708/21 Client Sample ID:

Date Analyzed: 03/21/12 19:41 Lab File ID: 03210029.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 1	5.74	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 2	6.16	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 3	6.68	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 4	7.08	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 5	7.91	Baseline Event	pavlakoa	03/22/12 13:04

Lab Sample ID: ICV 280-112708/22 Client Sample ID:

Date Analyzed: 03/21/12 19:58 Lab File ID: 03210030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 11:00
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 11:00
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 11:00
Toxaphene Peak 3	7.07	Baseline Event	pavlakoa	03/22/12 11:00
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 11:00
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 11:00

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PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 114395

Lab Sample ID: CCV 280-114395/22 Client Sample ID:

Date Analyzed: 04/05/12 22:09 Lab File ID: 04050049.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin ketone	8.28	Baseline Event	wellsd	04/05/12 22:43

Lab Sample ID: LCS 280-113965/5-A Client Sample ID:

Date Analyzed: 04/05/12 22:42 Lab File ID: 04050051.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/06/12 00:00
Toxaphene-1	5.66	Baseline Event	wellsd	04/06/12 09:12
Toxaphene-2	6.34	Baseline Event	wellsd	04/06/12 00:00
Toxaphene-3	7.07	Baseline Event	wellsd	04/06/12 00:00
Toxaphene-4	7.64	Baseline Event	wellsd	04/06/12 00:00
Toxaphene-5	7.93	Baseline Event	wellsd	04/06/12 00:00

Lab Sample ID: CCV 280-114395/36 Client Sample ID:

Date Analyzed: 04/06/12 02:02 Lab File ID: 04050063.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/06/12 00:00
Toxaphene Peak 1	5.65	Baseline Event	wellsd	04/06/12 09:10
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/06/12 09:10
Toxaphene Peak 3	7.07	Baseline Event	wellsd	04/06/12 09:10
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/06/12 09:10
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/06/12 09:10

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 115240

Lab Sample ID: CCV 280-115240/18 Client Sample ID:

Date Analyzed: 04/11/12 18:32 Lab File ID: 04110037.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/12/12 00:00
Toxaphene Peak 1	5.66	Baseline Event	wellsd	04/12/12 10:08
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/12/12 10:08
Toxaphene Peak 3	7.08	Baseline Event	wellsd	04/12/12 10:08
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/12/12 10:08
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/12/12 10:08

Lab Sample ID: LCS 280-113973/26-A Client Sample ID:

Date Analyzed: 04/11/12 19:05 Lab File ID: 04110039.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/12/12 00:00
Toxaphene-1	5.66	Baseline Event	wellsd	04/12/12 10:09
Toxaphene-2	6.34	Baseline Event	wellsd	04/12/12 10:09
Toxaphene-3	7.08	Baseline Event	wellsd	04/12/12 00:00
Toxaphene-4	7.64	Baseline Event	wellsd	04/12/12 00:00
Toxaphene-5	7.93	Baseline Event	wellsd	04/12/12 00:00

Lab Sample ID: CCV 280-115240/30 Client Sample ID:

Date Analyzed: 04/11/12 21:51 Lab File ID: 04110049.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/12/12 00:00
Toxaphene Peak 1	5.66	Baseline Event	wellsd	04/12/12 10:12
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/12/12 10:12
Toxaphene Peak 3	7.08	Baseline Event	wellsd	04/12/12 10:12
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/12/12 10:12
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/12/12 10:12

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PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 115240

Lab Sample ID: 280-27123-5 Client Sample ID: UNK10501AA

Date Analyzed: 04/11/12 22:08 Lab File ID: 04110050.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	9.22	Split Peak	wellsd	04/12/12 14:57

Lab Sample ID: 280-27123-9 Client Sample ID: UNK10701AA

Date Analyzed: 04/11/12 23:14 Lab File ID: 04110054.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	9.22	Split Peak	wellsd	04/12/12 14:54

Lab Sample ID: 280-27123-10 MS Client Sample ID: UNK10702AA MS

Date Analyzed: 04/11/12 23:47 Lab File ID: 04110056.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/12/12 00:00
Toxaphene-1	5.66	Baseline Event	wellsd	04/12/12 10:14
Toxaphene-2	6.34	Baseline Event	wellsd	04/12/12 10:14
Toxaphene-3	7.07	Baseline Event	wellsd	04/12/12 00:00
Toxaphene-4	7.64	Baseline Event	wellsd	04/12/12 00:00
Toxaphene-5	7.93	Baseline Event	wellsd	04/12/12 00:00
DCB Decachlorobiphenyl	9.21	Baseline Event	wellsd	04/12/12 10:14

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4/23/12

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 115240

Lab Sample ID: 280-27123-10 MSD Client Sample ID: UNK10702AA MSD

Date Analyzed: 04/12/12 00:04 Lab File ID: 04110057.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/18/12 00:00
Toxaphene-1	5.66	Baseline Event	wellsd	04/18/12 09:44
Toxaphene-2	6.35	Baseline Event	wellsd	04/18/12 09:44
Toxaphene-3	7.07	Baseline Event	wellsd	04/18/12 09:44
Toxaphene-4	7.64	Baseline Event	wellsd	04/18/12 09:45
Toxaphene-5	7.93	Baseline Event	wellsd	04/18/12 09:44

Lab Sample ID: CCV 280-115240/41 Client Sample ID:

Date Analyzed: 04/12/12 00:54 Lab File ID: 04110060.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/12/12 00:00
Toxaphene Peak 1	5.66	Baseline Event	wellsd	04/12/12 10:19
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/12/12 10:19
Toxaphene Peak 3	7.08	Baseline Event	wellsd	04/12/12 10:19
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/12/12 10:19
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/12/12 10:19

4/23/12

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 115801

Lab Sample ID: CCV 280-115801/4 Client Sample ID:

Date Analyzed: 04/16/12 12:16 Lab File ID: 04160012.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/18/12 00:00
Toxaphene Peak 1	5.65	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 3	7.08	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/18/12 09:19

Lab Sample ID: CCV 280-115801/7 Client Sample ID:

Date Analyzed: 04/16/12 21:09 Lab File ID: 04160043.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/17/12 00:00
Toxaphene Peak 1	5.65	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 3	7.07	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/17/12 11:42

Lab Sample ID: CCV 280-115801/20 Client Sample ID:

Date Analyzed: 04/17/12 00:52 Lab File ID: 04160056.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/17/12 00:00
Toxaphene Peak 1	5.66	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 2	6.33	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 3	7.07	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/17/12 11:47

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GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_G Analysis Batch Number: 114253

Lab Sample ID: 280-27123-6 MSD Client Sample ID: UNK10502AA MSD

Date Analyzed: 04/04/12 17:40 Lab File ID: G5658.D GC Column: DB-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloropropane	8.70	Split Peak	reinhardt j	04/05/12 06:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 113151

Lab Sample ID: IC 280-113151/2 Client Sample ID:

Date Analyzed: 03/26/12 07:35 Lab File ID: RR3760.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	5.70	Split Peak	dobranskym	03/26/12 09:50

Lab Sample ID: IC 280-113151/3 Client Sample ID:

Date Analyzed: 03/26/12 07:59 Lab File ID: RR3761.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	5.70	Split Peak	dobranskym	03/26/12 09:50
Acetonitrile	6.42	Mis-Integrated	seifertj	03/27/12 16:54

Lab Sample ID: IC 280-113151/4 Client Sample ID:

Date Analyzed: 03/26/12 08:22 Lab File ID: RR3762.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	6.41	Mis-Integrated	seifertj	03/27/12 16:55

Lab Sample ID: IC 280-113151/5 Client Sample ID:

Date Analyzed: 03/26/12 08:45 Lab File ID: RR3763.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	5.71	Split Peak	dobranskym	03/26/12 09:50
Acetonitrile	6.42	Mis-Integrated	seifertj	03/27/12 16:55

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 113151

Lab Sample ID: IC 280-113151/6 Client Sample ID:

Date Analyzed: 03/26/12 09:09 Lab File ID: RR3764.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	6.42	Mis-Integrated	seifertj	03/27/12 16:56

Lab Sample ID: IC 280-113151/7 Client Sample ID:

Date Analyzed: 03/26/12 09:32 Lab File ID: RR3765.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	5.70	Split Peak	dobranskym	03/26/12 09:53
Acetonitrile	6.42	Mis-Integrated	seifertj	03/27/12 16:57

Lab Sample ID: IC 280-113151/8 Client Sample ID:

Date Analyzed: 03/26/12 09:56 Lab File ID: RR3766.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	5.72	Split Peak	dobranskym	03/26/12 10:23
Acetonitrile	6.43	Mis-Integrated	seifertj	03/27/12 16:57

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 114706

Lab Sample ID: CCV 280-114706/2 Client Sample ID:

Date Analyzed: 04/09/12 06:30 Lab File ID: RR4244.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	5.69	Split Peak	dobranskym	04/09/12 07:17
Acetonitrile	6.39	Peak Tailing or Fronting	dobranskym	04/09/12 07:17

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 115987

Lab Sample ID: IC 280-115987/2 Client Sample ID:

Date Analyzed: 04/18/12 07:24 Lab File ID: D0094.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.01	Split Peak	hoffmanm	04/18/12 09:25

Lab Sample ID: IC 280-115987/3 Client Sample ID:

Date Analyzed: 04/18/12 07:43 Lab File ID: D0095.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	4.99	Split Peak	hoffmanm	04/18/12 09:25

Lab Sample ID: IC 280-115987/4 Client Sample ID:

Date Analyzed: 04/18/12 08:01 Lab File ID: D0096.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.03	Split Peak	hoffmanm	04/18/12 09:26

Lab Sample ID: ICIS 280-115987/5 Client Sample ID:

Date Analyzed: 04/18/12 08:19 Lab File ID: D0097.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.02	Split Peak	hoffmanm	04/18/12 09:27

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSS_D Analysis Batch Number: 116156

Lab Sample ID: CCV 280-116156/3 Client Sample ID:

Date Analyzed: 04/18/12 14:39 Lab File ID: D0117.D GC Column: Vf-5MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.03	Split Peak	hoffmanm	04/19/12 07:38

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 112708

Lab Sample ID: IC 280-112708/16 Client Sample ID:

Date Analyzed: 03/21/12 18:17 Lab File ID: 03210024.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:57

Lab Sample ID: IC 280-112708/17 Client Sample ID:

Date Analyzed: 03/21/12 18:34 Lab File ID: 03210025.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 10:57
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:57

Lab Sample ID: IC 280-112708/18 Client Sample ID:

Date Analyzed: 03/21/12 18:51 Lab File ID: 03210026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:58

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 112708

Lab Sample ID: IC 280-112708/19 Client Sample ID:

Date Analyzed: 03/21/12 19:08 Lab File ID: 03210027.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:58

Lab Sample ID: IC 280-112708/20 Client Sample ID:

Date Analyzed: 03/21/12 19:24 Lab File ID: 03210028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 4	7.65	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:58

Lab Sample ID: IC 280-112708/20 Client Sample ID:

Date Analyzed: 03/21/12 19:24 Lab File ID: 03210028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 1	5.74	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 2	6.16	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 3	6.68	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 4	7.08	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 5	7.91	Baseline Event	pavlakoa	03/22/12 13:04

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 112708

Lab Sample ID: IC 280-112708/21 Client Sample ID:

Date Analyzed: 03/21/12 19:41 Lab File ID: 03210029.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 3	7.08	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 10:58
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 10:58

Lab Sample ID: IC 280-112708/21 Client Sample ID:

Date Analyzed: 03/21/12 19:41 Lab File ID: 03210029.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 1	5.74	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 2	6.16	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 3	6.68	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 4	7.08	Baseline Event	pavlakoa	03/22/12 13:04
Toxaphene Peak 5	7.91	Baseline Event	pavlakoa	03/22/12 13:04

Lab Sample ID: ICV 280-112708/22 Client Sample ID:

Date Analyzed: 03/21/12 19:58 Lab File ID: 03210030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	pavlakoa	03/22/12 11:00
Toxaphene Peak 1	5.65	Baseline Event	pavlakoa	03/22/12 11:00
Toxaphene Peak 2	6.34	Baseline Event	pavlakoa	03/22/12 11:00
Toxaphene Peak 3	7.07	Baseline Event	pavlakoa	03/22/12 11:00
Toxaphene Peak 4	7.64	Baseline Event	pavlakoa	03/22/12 11:00
Toxaphene Peak 5	7.93	Baseline Event	pavlakoa	03/22/12 11:00

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 114395

Lab Sample ID: CCV 280-114395/22 Client Sample ID:

Date Analyzed: 04/05/12 22:09 Lab File ID: 04050049.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin ketone	8.28	Baseline Event	wellsd	04/05/12 22:43

Lab Sample ID: LCS 280-113965/5-A Client Sample ID:

Date Analyzed: 04/05/12 22:42 Lab File ID: 04050051.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/06/12 00:00
Toxaphene-1	5.66	Baseline Event	wellsd	04/06/12 09:12
Toxaphene-2	6.34	Baseline Event	wellsd	04/06/12 00:00
Toxaphene-3	7.07	Baseline Event	wellsd	04/06/12 00:00
Toxaphene-4	7.64	Baseline Event	wellsd	04/06/12 00:00
Toxaphene-5	7.93	Baseline Event	wellsd	04/06/12 00:00

Lab Sample ID: CCV 280-114395/36 Client Sample ID:

Date Analyzed: 04/06/12 02:02 Lab File ID: 04050063.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/06/12 00:00
Toxaphene Peak 1	5.65	Baseline Event	wellsd	04/06/12 09:10
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/06/12 09:10
Toxaphene Peak 3	7.07	Baseline Event	wellsd	04/06/12 09:10
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/06/12 09:10
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/06/12 09:10

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 115240

Lab Sample ID: CCV 280-115240/18 Client Sample ID:

Date Analyzed: 04/11/12 18:32 Lab File ID: 04110037.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/12/12 00:00
Toxaphene Peak 1	5.66	Baseline Event	wellsd	04/12/12 10:08
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/12/12 10:08
Toxaphene Peak 3	7.08	Baseline Event	wellsd	04/12/12 10:08
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/12/12 10:08
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/12/12 10:08

Lab Sample ID: LCS 280-113973/26-A Client Sample ID:

Date Analyzed: 04/11/12 19:05 Lab File ID: 04110039.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/12/12 00:00
Toxaphene-1	5.66	Baseline Event	wellsd	04/12/12 10:09
Toxaphene-2	6.34	Baseline Event	wellsd	04/12/12 10:09
Toxaphene-3	7.08	Baseline Event	wellsd	04/12/12 00:00
Toxaphene-4	7.64	Baseline Event	wellsd	04/12/12 00:00
Toxaphene-5	7.93	Baseline Event	wellsd	04/12/12 00:00

Lab Sample ID: CCV 280-115240/30 Client Sample ID:

Date Analyzed: 04/11/12 21:51 Lab File ID: 04110049.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/12/12 00:00
Toxaphene Peak 1	5.66	Baseline Event	wellsd	04/12/12 10:12
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/12/12 10:12
Toxaphene Peak 3	7.08	Baseline Event	wellsd	04/12/12 10:12
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/12/12 10:12
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/12/12 10:12

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 115240

Lab Sample ID: 280-27123-5 Client Sample ID: UNK10501AA

Date Analyzed: 04/11/12 22:08 Lab File ID: 04110050.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	9.22	Split Peak	wellsd	04/12/12 14:57

Lab Sample ID: 280-27123-9 Client Sample ID: UNK10701AA

Date Analyzed: 04/11/12 23:14 Lab File ID: 04110054.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	9.22	Split Peak	wellsd	04/12/12 14:54

Lab Sample ID: 280-27123-10 MS Client Sample ID: UNK10702AA MS

Date Analyzed: 04/11/12 23:47 Lab File ID: 04110056.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/12/12 00:00
Toxaphene-1	5.66	Baseline Event	wellsd	04/12/12 10:14
Toxaphene-2	6.34	Baseline Event	wellsd	04/12/12 10:14
Toxaphene-3	7.07	Baseline Event	wellsd	04/12/12 00:00
Toxaphene-4	7.64	Baseline Event	wellsd	04/12/12 00:00
Toxaphene-5	7.93	Baseline Event	wellsd	04/12/12 00:00
DCB Decachlorobiphenyl	9.21	Baseline Event	wellsd	04/12/12 10:14

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 115240

Lab Sample ID: 280-27123-10 MSD Client Sample ID: UNK10702AA MSD

Date Analyzed: 04/12/12 00:04 Lab File ID: 04110057.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/18/12 00:00
Toxaphene-1	5.66	Baseline Event	wellsd	04/18/12 09:44
Toxaphene-2	6.35	Baseline Event	wellsd	04/18/12 09:44
Toxaphene-3	7.07	Baseline Event	wellsd	04/18/12 09:44
Toxaphene-4	7.64	Baseline Event	wellsd	04/18/12 09:45
Toxaphene-5	7.93	Baseline Event	wellsd	04/18/12 09:44

Lab Sample ID: CCV 280-115240/41 Client Sample ID:

Date Analyzed: 04/12/12 00:54 Lab File ID: 04110060.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/12/12 00:00
Toxaphene Peak 1	5.66	Baseline Event	wellsd	04/12/12 10:19
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/12/12 10:19
Toxaphene Peak 3	7.08	Baseline Event	wellsd	04/12/12 10:19
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/12/12 10:19
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/12/12 10:19

PESTICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Analysis Batch Number: 115801

Lab Sample ID: CCV 280-115801/4 Client Sample ID:

Date Analyzed: 04/16/12 12:16 Lab File ID: 04160012.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/18/12 00:00
Toxaphene Peak 1	5.65	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 3	7.08	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/18/12 09:19
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/18/12 09:19

Lab Sample ID: CCV 280-115801/7 Client Sample ID:

Date Analyzed: 04/16/12 21:09 Lab File ID: 04160043.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/17/12 00:00
Toxaphene Peak 1	5.65	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 2	6.34	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 3	7.07	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/17/12 11:42
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/17/12 11:42

Lab Sample ID: CCV 280-115801/20 Client Sample ID:

Date Analyzed: 04/17/12 00:52 Lab File ID: 04160056.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	wellsd	04/17/12 00:00
Toxaphene Peak 1	5.66	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 2	6.33	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 3	7.07	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 4	7.64	Baseline Event	wellsd	04/17/12 11:47
Toxaphene Peak 5	7.93	Baseline Event	wellsd	04/17/12 11:47

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-27123-1	UNK10101AA	Solid	03/27/2012 0955	03/29/2012 0900
280-27123-2	UNK10201AA	Solid	03/27/2012 1020	03/29/2012 0900
280-27123-3	UNK10301AA	Solid	03/27/2012 1045	03/29/2012 0900
280-27123-4	UNK10401AA	Solid	03/27/2012 1120	03/29/2012 0900
280-27123-5	UNK10501AA	Solid	03/27/2012 1150	03/29/2012 0900
280-27123-6	UNK10502AA	Solid	03/27/2012 1200	03/29/2012 0900
280-27123-7	UNK10601AA	Solid	03/27/2012 1215	03/29/2012 0900
280-27123-8	UNK10602AA	Solid	03/27/2012 1245	03/29/2012 0900
280-27123-9	UNK10701AA	Solid	03/27/2012 1255	03/29/2012 0900
280-27123-10	UNK10702AA	Solid	03/27/2012 1315	03/29/2012 0900
280-27123-11EB	032712AE	Water	03/27/2012 1410	03/29/2012 0900
280-27123-12FB	032712AF	Water	03/27/2012 1319	03/29/2012 0900
280-27123-13TB	032712AR	Water	03/27/2012 0935	03/29/2012 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-27123-1	**UNK10101AA**					
Methylene Chloride		3.7	J	7.2	ug/Kg	8260B/DoD
Naphthalene		1.0	J Q	7.2	ug/Kg	8260B/DoD
Acenaphthene		31	J	510	ug/Kg	8270D/DoD
Acenaphthylene		42	J	510	ug/Kg	8270D/DoD
Anthracene		86	J	510	ug/Kg	8270D/DoD
Benzo[a]anthracene		270	J	510	ug/Kg	8270D/DoD
Benzo[a]pyrene		370	J	510	ug/Kg	8270D/DoD
Benzo[b]fluoranthene		770	K	510	ug/Kg	8270D/DoD
Benzo[g,h,i]perylene		280	J	510	ug/Kg	8270D/DoD
Benzyl alcohol		52	J	510	ug/Kg	8270D/DoD
Chrysene		370	J	510	ug/Kg	8270D/DoD
Dibenz(a,h)anthracene		230	J	510	ug/Kg	8270D/DoD
Dibenzofuran		40	J	510	ug/Kg	8270D/DoD
Fluoranthene		640		510	ug/Kg	8270D/DoD
Fluorene		46	J	510	ug/Kg	8270D/DoD
Indeno[1,2,3-cd]pyrene		310	J	510	ug/Kg	8270D/DoD
Phenanthrene		470	J	510	ug/Kg	8270D/DoD
Pyrene		550	J	620	ug/Kg	8270D/DoD
4,4'-DDD		2.0	J Q	2.6	ug/Kg	8081A
4,4'-DDE		13	Q	2.6	ug/Kg	8081A
4,4'-DDT		56	D Q	15	ug/Kg	8081A
Methoxychlor		2.6	J Q	5.1	ug/Kg	8081A
Dieldrin		0.74	J Q	2.6	ug/Kg	8081A
Aluminum		2300	D J	330	mg/Kg	6010B
Calcium		990		130	mg/Kg	6010B
Iron		240000	D J	530	mg/Kg	6010B
Magnesium		200		40	mg/Kg	6010B
Potassium		150	J	400	mg/Kg	6010B
Antimony		6000	J	270	ug/Kg	6020
Arsenic		30000	J	670	ug/Kg	6020
Barium		3400000	D J	6700	ug/Kg	6020
Beryllium		69	J	130	ug/Kg	6020
Cadmium		5300	Q	130	ug/Kg	6020
Chromium		96000	J	270	ug/Kg	6020
Cobalt		28000	J	130	ug/Kg	6020
Copper		330000	J D	67000	ug/Kg	6020
Lead		800000	D J	2700	ug/Kg	6020
Manganese		1800000	J D	2700	ug/Kg	6020
Molybdenum		5100	J	270	ug/Kg	6020
Nickel		180000	J D	9400	ug/Kg	6020
Selenium		320	J	670	ug/Kg	6020
Silver		880		130	ug/Kg	6020
Thallium		99	J	130	ug/Kg	6020
Vanadium		5200	J	670	ug/Kg	6020
Zinc		3700000	J D	67000	ug/Kg	6020
Mercury		820	D J	500	ug/Kg	7471A

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Percent Moisture		36		0.10	%	Moisture
Percent Solids		64		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-27123-2	**UNK10201AA**					
Methylene Chloride		4.1	J	8.6	ug/Kg	8260B/DoD
Acenaphthene		40	J	510	ug/Kg	8270D/DoD
Acenaphthylene		130	J	510	ug/Kg	8270D/DoD
Anthracene		230	J	510	ug/Kg	8270D/DoD
Benzo[a]anthracene		740		510	ug/Kg	8270D/DoD
Benzo[a]pyrene		890		510	ug/Kg	8270D/DoD
Benzo[b]fluoranthene		2000	K	510	ug/Kg	8270D/DoD
Benzo[g,h,i]perylene		860		510	ug/Kg	8270D/DoD
Benzoic acid		1900	J	2500	ug/Kg	8270D/DoD
Benzyl alcohol		83	J	510	ug/Kg	8270D/DoD
Carbazole		170	J	510	ug/Kg	8270D/DoD
Chrysene		1100		510	ug/Kg	8270D/DoD
Dibenz(a,h)anthracene		360	J	510	ug/Kg	8270D/DoD
Dibenzofuran		120	J	510	ug/Kg	8270D/DoD
Fluoranthene		2100		510	ug/Kg	8270D/DoD
Fluorene		100	J	510	ug/Kg	8270D/DoD
Indeno[1,2,3-cd]pyrene		760		510	ug/Kg	8270D/DoD
Phenanthrene		1400		510	ug/Kg	8270D/DoD
Pyrene		1600		620	ug/Kg	8270D/DoD
4,4'-DDE		0.52	J Q	2.7	ug/Kg	8081A
4,4'-DDT		5.0	J Q	3.1	ug/Kg	8081A
Aluminum		2800	D	400	mg/Kg	6010B
Calcium		1900		160	mg/Kg	6010B
Iron		200000	D	630	mg/Kg	6010B
Magnesium		310		47	mg/Kg	6010B
Potassium		220	J	470	mg/Kg	6010B
Antimony		1100		290	ug/Kg	6020
Arsenic		11000		720	ug/Kg	6020
Barium		200000		360	ug/Kg	6020
Beryllium		98	J	140	ug/Kg	6020
Cadmium		6700	Q	140	ug/Kg	6020
Chromium		11000		290	ug/Kg	6020
Cobalt		9100		140	ug/Kg	6020
Copper		56000		3600	ug/Kg	6020
Lead		1800000		140	ug/Kg	6020
Manganese		350000		140	ug/Kg	6020
Molybdenum		1300		290	ug/Kg	6020
Nickel		18000		500	ug/Kg	6020
Selenium		900		720	ug/Kg	6020
Silver		320		140	ug/Kg	6020
Thallium		110	J	140	ug/Kg	6020
Vanadium		5700		720	ug/Kg	6020
Zinc		1600000		3600	ug/Kg	6020
Mercury		15000	D	1100	ug/Kg	7471A
Percent Moisture		40		0.10	%	Moisture
Percent Solids		60		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-27123-3	**UNK10301AA**					
Methylene Chloride		4.2	J	7.9	ug/Kg	8260B/DoD
Acenaphthene		33	J	510	ug/Kg	8270D/DoD
Anthracene		91	J	510	ug/Kg	8270D/DoD
Benzo[a]anthracene		190	J	510	ug/Kg	8270D/DoD
Benzo[a]pyrene		250	J	510	ug/Kg	8270D/DoD
Benzo[b]fluoranthene		460	J K	510	ug/Kg	8270D/DoD
Benzo[g,h,i]perylene		230	J	510	ug/Kg	8270D/DoD
Benzoic acid		4400		2500	ug/Kg	8270D/DoD
Benzyl alcohol		130	J	510	ug/Kg	8270D/DoD
Chrysene		250	J	510	ug/Kg	8270D/DoD
Dibenz(a,h)anthracene		210	J	510	ug/Kg	8270D/DoD
Di-n-butyl phthalate		100	J	510	ug/Kg	8270D/DoD
Fluoranthene		380	J	510	ug/Kg	8270D/DoD
Fluorene		49	J	510	ug/Kg	8270D/DoD
Indeno[1,2,3-cd]pyrene		190	J	510	ug/Kg	8270D/DoD
Phenanthrene		290	J	510	ug/Kg	8270D/DoD
Pyrene		320	J	620	ug/Kg	8270D/DoD
4,4'-DDE		1.1	Q J	2.4	ug/Kg	8081A
4,4'-DDT		16	Q	2.9	ug/Kg	8081A
Aluminum		2200	D	320	mg/Kg	6010B
Calcium		620		130	mg/Kg	6010B
Iron		250000	D	520	mg/Kg	6010B
Magnesium		230		39	mg/Kg	6010B
Potassium		150	J	390	mg/Kg	6010B
Antimony		3900		300	ug/Kg	6020
Arsenic		28000		760	ug/Kg	6020
Barium		50000		380	ug/Kg	6020
Beryllium		78	J	150	ug/Kg	6020
Cadmium		3200	Q	150	ug/Kg	6020
Chromium		72000		300	ug/Kg	6020
Cobalt		22000		150	ug/Kg	6020
Copper		250000		3800	ug/Kg	6020
Lead		380000		150	ug/Kg	6020
Manganese		1100000		150	ug/Kg	6020
Molybdenum		11000		300	ug/Kg	6020
Nickel		87000		530	ug/Kg	6020
Selenium		280	J	760	ug/Kg	6020
Silver		240		150	ug/Kg	6020
Thallium		92	J	150	ug/Kg	6020
Vanadium		5500		760	ug/Kg	6020
Zinc		1400000		3800	ug/Kg	6020
Mercury		190		49	ug/Kg	7471A
Percent Moisture		35		0.10	%	Moisture
Percent Solids		65		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-27123-4	**UNK10401AA**					
Benzo[b]fluoranthene		640	J K	1900	ug/Kg	8270D/DoD
Benzyl alcohol		100	J	1900	ug/Kg	8270D/DoD
Di-n-butyl phthalate		290	J	1900	ug/Kg	8270D/DoD
Pyrene		88	J	2300	ug/Kg	8270D/DoD
4,4'-DDE		1.7	J Q	2.5	ug/Kg	8081A
4,4'-DDT		2.1	J Q	2.9	ug/Kg	8081A
Aluminum		2500	D	310	mg/Kg	6010B
Calcium		160		120	mg/Kg	6010B
Iron		57000	D	500	mg/Kg	6010B
Magnesium		240		37	mg/Kg	6010B
Potassium		220	J	370	mg/Kg	6010B
Antimony		220	J	280	ug/Kg	6020
Arsenic		4400		710	ug/Kg	6020
Barium		17000		360	ug/Kg	6020
Beryllium		70	J	140	ug/Kg	6020
Cadmium		760	Q	140	ug/Kg	6020
Chromium		15000		280	ug/Kg	6020
Cobalt		2200		140	ug/Kg	6020
Copper		58000		3600	ug/Kg	6020
Lead		99000		140	ug/Kg	6020
Manganese		95000		140	ug/Kg	6020
Molybdenum		2900		280	ug/Kg	6020
Nickel		12000		500	ug/Kg	6020
Selenium		700	J	710	ug/Kg	6020
Silver		250		140	ug/Kg	6020
Thallium		86	J	140	ug/Kg	6020
Vanadium		11000		710	ug/Kg	6020
Zinc		100000		3600	ug/Kg	6020
Mercury		110		47	ug/Kg	7471A
Percent Moisture		32		0.10	%	Moisture
Percent Solids		68		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-27123-5	**UNK10501AA**					
Naphthalene		1.6	J Q	8.6	ug/Kg	8260B/DoD
Anthracene		110	J	2000	ug/Kg	8270D/DoD
Benzo[a]anthracene		350	J	2000	ug/Kg	8270D/DoD
Benzo[a]pyrene		660	J	2000	ug/Kg	8270D/DoD
Benzo[b]fluoranthene		3000	K	2000	ug/Kg	8270D/DoD
Benzo[g,h,i]perylene		1300	J	2000	ug/Kg	8270D/DoD
Chrysene		920	J	2000	ug/Kg	8270D/DoD
Dibenz(a,h)anthracene		920	J	2000	ug/Kg	8270D/DoD
Fluoranthene		340	J	2000	ug/Kg	8270D/DoD
Indeno[1,2,3-cd]pyrene		1300	J	2000	ug/Kg	8270D/DoD
Phenanthrene		150	J	2000	ug/Kg	8270D/DoD
Pyrene		370	J	2400	ug/Kg	8270D/DoD
4,4'-DDE		2.0	J Q	2.5	ug/Kg	8081A
4,4'-DDT		1.5	J Q	2.9	ug/Kg	8081A
Aluminum		3300	D	390	mg/Kg	6010B
Calcium		300		150	mg/Kg	6010B
Iron		77000	D	620	mg/Kg	6010B
Magnesium		250		46	mg/Kg	6010B
Potassium		270	J	460	mg/Kg	6010B
Antimony		740		310	ug/Kg	6020
Arsenic		16000		770	ug/Kg	6020
Barium		490000		390	ug/Kg	6020
Beryllium		100	J	150	ug/Kg	6020
Cadmium		720	Q	150	ug/Kg	6020
Chromium		37000		310	ug/Kg	6020
Cobalt		6000		150	ug/Kg	6020
Copper		74000		3900	ug/Kg	6020
Lead		5100000	D	3100	ug/Kg	6020
Manganese		360000		150	ug/Kg	6020
Molybdenum		3400		310	ug/Kg	6020
Nickel		22000		540	ug/Kg	6020
Selenium		750	J	770	ug/Kg	6020
Silver		290		150	ug/Kg	6020
Thallium		120	J	150	ug/Kg	6020
Vanadium		7000		770	ug/Kg	6020
Zinc		110000		3900	ug/Kg	6020
Mercury		830		52	ug/Kg	7471A
Percent Moisture		36		0.10	%	Moisture
Percent Solids		64		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-27123-6	**UNK10502AA**					
Methylene Chloride		3.0	J	6.2	ug/Kg	8260B/DoD
Benzo[a]pyrene		71	J	370	ug/Kg	8270D/DoD
Benzo[b]fluoranthene		160	J K	370	ug/Kg	8270D/DoD
Benzo[g,h,i]perylene		34	J	370	ug/Kg	8270D/DoD
Benzyl alcohol		17	J	370	ug/Kg	8270D/DoD
Bis(2-ethylhexyl) phthalate		99	J	370	ug/Kg	8270D/DoD
Indeno[1,2,3-cd]pyrene		83	J	370	ug/Kg	8270D/DoD
Aluminum		4500		56	mg/Kg	6010B
Calcium		150		110	mg/Kg	6010B
Iron		6900		90	mg/Kg	6010B
Magnesium		910		34	mg/Kg	6010B
Potassium		680		340	mg/Kg	6010B
Boron		1.8	J	11	mg/Kg	6010B
Antimony		26	J	210	ug/Kg	6020
Arsenic		860		520	ug/Kg	6020
Barium		18000		260	ug/Kg	6020
Beryllium		150		100	ug/Kg	6020
Cadmium		280	Q	100	ug/Kg	6020
Chromium		4800		210	ug/Kg	6020
Cobalt		1200		100	ug/Kg	6020
Copper		5400		2600	ug/Kg	6020
Lead		81000		100	ug/Kg	6020
Manganese		38000		100	ug/Kg	6020
Molybdenum		100	J	210	ug/Kg	6020
Nickel		3600		370	ug/Kg	6020
Selenium		370	J	520	ug/Kg	6020
Thallium		40	J	100	ug/Kg	6020
Vanadium		4800		520	ug/Kg	6020
Zinc		21000		2600	ug/Kg	6020
Mercury		23	J	34	ug/Kg	7471A
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-27123-7	**UNK10601AA**					
Methylene Chloride		3.5	J	7.7	ug/Kg	8260B/DoD
2-Methylnaphthalene		910	J	2000	ug/Kg	8270D/DoD
3 & 4 Methylphenol		210	J	2000	ug/Kg	8270D/DoD
Acenaphthene		1300	J	2000	ug/Kg	8270D/DoD
Anthracene		2900		2000	ug/Kg	8270D/DoD
Benzo[a]anthracene		3200		2000	ug/Kg	8270D/DoD
Benzo[a]pyrene		2300		2000	ug/Kg	8270D/DoD
Benzo[b]fluoranthene		3800	K	2000	ug/Kg	8270D/DoD
Benzo[g,h,i]perylene		1200	J	2000	ug/Kg	8270D/DoD
Bis(2-ethylhexyl) phthalate		540	J	2000	ug/Kg	8270D/DoD
Carbazole		1400	J	2000	ug/Kg	8270D/DoD
Chrysene		2900		2000	ug/Kg	8270D/DoD
Dibenz(a,h)anthracene		970	J	2000	ug/Kg	8270D/DoD
Dibenzofuran		1600	J	2000	ug/Kg	8270D/DoD
Fluoranthene		7500		2000	ug/Kg	8270D/DoD
Fluorene		1800	J	2000	ug/Kg	8270D/DoD
Indeno[1,2,3-cd]pyrene		1300	J	2000	ug/Kg	8270D/DoD
Naphthalene		2100		2000	ug/Kg	8270D/DoD
Phenanthrene		10000		2000	ug/Kg	8270D/DoD
Phenol		130	J	2000	ug/Kg	8270D/DoD
Pyrene		5900		2400	ug/Kg	8270D/DoD
4,4'-DDT		2.5	J Q	3.0	ug/Kg	8081A
Aluminum		3100		65	mg/Kg	6010B
Calcium		630		130	mg/Kg	6010B
Iron		14000		100	mg/Kg	6010B
Magnesium		220		39	mg/Kg	6010B
Potassium		240	J	390	mg/Kg	6010B
Boron		2.2	J	13	mg/Kg	6010B
Antimony		160	J	300	ug/Kg	6020
Arsenic		3100		750	ug/Kg	6020
Barium		48000		380	ug/Kg	6020
Beryllium		62	J	150	ug/Kg	6020
Cadmium		3100	Q	150	ug/Kg	6020
Chromium		5200		300	ug/Kg	6020
Cobalt		1400		150	ug/Kg	6020
Copper		28000		3800	ug/Kg	6020
Lead		96000		150	ug/Kg	6020
Manganese		410000		150	ug/Kg	6020
Molybdenum		410		300	ug/Kg	6020
Nickel		5400		530	ug/Kg	6020
Selenium		680	J	750	ug/Kg	6020
Silver		92	J	150	ug/Kg	6020
Thallium		62	J	150	ug/Kg	6020
Vanadium		5500		750	ug/Kg	6020
Zinc		620000		3800	ug/Kg	6020
Mercury		570		50	ug/Kg	7471A

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Percent Moisture		35		0.10	%	Moisture
Percent Solids		65		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-27123-8	**UNK10602AA**					
Methylene Chloride		2.9	J	6.0	ug/Kg	8260B/DoD
Acenaphthene		32	J	350	ug/Kg	8270D/DoD
Anthracene		93	J	350	ug/Kg	8270D/DoD
Benzo[a]anthracene		210	J	350	ug/Kg	8270D/DoD
Benzo[a]pyrene		200	J	350	ug/Kg	8270D/DoD
Benzo[b]fluoranthene		340	J K	350	ug/Kg	8270D/DoD
Benzo[g,h,i]perylene		89	J	350	ug/Kg	8270D/DoD
Benzyl alcohol		24	J	350	ug/Kg	8270D/DoD
Bis(2-ethylhexyl) phthalate		100	J	350	ug/Kg	8270D/DoD
Carbazole		56	J	350	ug/Kg	8270D/DoD
Chrysene		200	J	350	ug/Kg	8270D/DoD
Dibenz(a,h)anthracene		140	J	350	ug/Kg	8270D/DoD
Dibenzofuran		36	J	350	ug/Kg	8270D/DoD
Fluoranthene		380		350	ug/Kg	8270D/DoD
Fluorene		38	J	350	ug/Kg	8270D/DoD
Indeno[1,2,3-cd]pyrene		120	J	350	ug/Kg	8270D/DoD
Phenanthrene		320	J	350	ug/Kg	8270D/DoD
Pyrene		320	J	430	ug/Kg	8270D/DoD
Aluminum		5700		58	mg/Kg	6010B
Calcium		230		120	mg/Kg	6010B
Iron		5300		92	mg/Kg	6010B
Magnesium		1400		35	mg/Kg	6010B
Potassium		610		350	mg/Kg	6010B
Boron		1.6	J	12	mg/Kg	6010B
Arsenic		360	J	530	ug/Kg	6020
Barium		13000		270	ug/Kg	6020
Beryllium		120		110	ug/Kg	6020
Cadmium		470	Q	110	ug/Kg	6020
Chromium		4800		210	ug/Kg	6020
Cobalt		1600		110	ug/Kg	6020
Copper		3900		2700	ug/Kg	6020
Lead		8300		110	ug/Kg	6020
Manganese		250000		110	ug/Kg	6020
Molybdenum		67	J	210	ug/Kg	6020
Nickel		4600		370	ug/Kg	6020
Selenium		270	J	530	ug/Kg	6020
Thallium		38	J	110	ug/Kg	6020
Vanadium		7300		530	ug/Kg	6020
Zinc		250000		2700	ug/Kg	6020
Mercury		19	J	33	ug/Kg	7471A
Percent Moisture		14		0.10	%	Moisture
Percent Solids		86		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-27123-9	**UNK10701AA**					
Anthracene		44	J	450	ug/Kg	8270D/DoD
Benzo[a]anthracene		64	J	450	ug/Kg	8270D/DoD
Benzo[a]pyrene		140	J	450	ug/Kg	8270D/DoD
Benzo[b]fluoranthene		740	K	450	ug/Kg	8270D/DoD
Benzo[g,h,i]perylene		400	J	450	ug/Kg	8270D/DoD
Benzyl alcohol		40	J	450	ug/Kg	8270D/DoD
Butyl benzyl phthalate		130	J	450	ug/Kg	8270D/DoD
Chrysene		280	J	450	ug/Kg	8270D/DoD
Dibenz(a,h)anthracene		210	J	450	ug/Kg	8270D/DoD
Di-n-butyl phthalate		900		450	ug/Kg	8270D/DoD
Fluoranthene		110	J	450	ug/Kg	8270D/DoD
Indeno[1,2,3-cd]pyrene		330	J	450	ug/Kg	8270D/DoD
Phenanthrene		74	J	450	ug/Kg	8270D/DoD
Pyrene		95	J	540	ug/Kg	8270D/DoD
4,4'-DDE		5.6	Q	2.4	ug/Kg	8081A
4,4'-DDT		15	Q	2.8	ug/Kg	8081A
Dieldrin		0.39	J Q	2.4	ug/Kg	8081A
PCB-1254		11	J Q	46	ug/Kg	8082
Aluminum		2900	D	300	mg/Kg	6010B
Calcium		320		120	mg/Kg	6010B
Iron		58000	D	480	mg/Kg	6010B
Magnesium		150		36	mg/Kg	6010B
Potassium		180	J	360	mg/Kg	6010B
Antimony		980		240	ug/Kg	6020
Arsenic		9200		610	ug/Kg	6020
Barium		360000		300	ug/Kg	6020
Beryllium		150		120	ug/Kg	6020
Cadmium		1800	Q	120	ug/Kg	6020
Chromium		20000		240	ug/Kg	6020
Cobalt		7200		120	ug/Kg	6020
Copper		270000		3000	ug/Kg	6020
Lead		1100000		120	ug/Kg	6020
Manganese		280000		120	ug/Kg	6020
Molybdenum		3000		240	ug/Kg	6020
Nickel		25000		430	ug/Kg	6020
Selenium		670		610	ug/Kg	6020
Silver		120		120	ug/Kg	6020
Thallium		78	J	120	ug/Kg	6020
Vanadium		15000		610	ug/Kg	6020
Zinc		320000		3000	ug/Kg	6020
Mercury		100		46	ug/Kg	7471A
Percent Moisture		30		0.10	%	Moisture
Percent Solids		70		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-27123-10	**UNK10702AA**					
Benzo[b]fluoranthene		130	J K	420	ug/Kg	8270D/DoD
Benzyl alcohol		26	J	420	ug/Kg	8270D/DoD
Bis(2-ethylhexyl) phthalate		110	J	420	ug/Kg	8270D/DoD
Aluminum		5100		64	mg/Kg	6010B
Calcium		150		130	mg/Kg	6010B
Iron		2100		100	mg/Kg	6010B
Magnesium		590		38	mg/Kg	6010B
Potassium		730		380	mg/Kg	6010B
Boron		1.9	J	13	mg/Kg	6010B
Arsenic		410	J	540	ug/Kg	6020
Barium		18000		270	ug/Kg	6020
Beryllium		200		110	ug/Kg	6020
Cadmium		340	Q	110	ug/Kg	6020
Chromium		8500		220	ug/Kg	6020
Cobalt		1900		110	ug/Kg	6020
Copper		4100		2700	ug/Kg	6020
Lead		3300		110	ug/Kg	6020
Manganese		44000		110	ug/Kg	6020
Molybdenum		110	J	220	ug/Kg	6020
Nickel		6700		380	ug/Kg	6020
Selenium		640		540	ug/Kg	6020
Thallium		43	J	110	ug/Kg	6020
Vanadium		9000		540	ug/Kg	6020
Zinc		70000		2700	ug/Kg	6020
Mercury		56		40	ug/Kg	7471A
Percent Moisture		22		0.10	%	Moisture
Percent Solids		78		0.10	%	Moisture
280-27123-11EB	**032712AE**					
Acetone		7.1	J	10	ug/L	8260B/DoD
Acetophenone		0.24	J	9.8	ug/L	8270D/DoD
Mercury		0.038	J	0.20	ug/L	7470A
280-27123-12FB	**032712AF**					
Acetone		6.9	J	10	ug/L	8260B/DoD

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-27123-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270D/DoD	
Ultrasonic Extraction	TAL DEN		SW846 3550C
Organochlorine Pesticides (GC)	TAL DEN	SW846 8081A	
Microwave Extraction	TAL DEN		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL DEN	SW846 8082	
Microwave Extraction	TAL DEN		SW846 3546
Metals (ICP)	TAL DEN	SW846 6010B	
Preparation, Metals	TAL DEN		SW846 3050B
Metals (ICP/MS)	TAL DEN	SW846 6020	
Preparation, Metals	TAL DEN		SW846 3050B
Mercury (CVAA)	TAL DEN	SW846 7471A	
Preparation, Mercury	TAL DEN		SW846 7471A
Percent Moisture	TAL DEN	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270D/DoD	
Liquid-Liquid Extraction (Continuous)	TAL DEN		SW846 3520C
Organochlorine Pesticides (GC)	TAL DEN	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL DEN		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL DEN	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL DEN		SW846 3510C
Metals (ICP)	TAL DEN	SW846 6010B	
Preparation, Total Metals	TAL DEN		SW846 3010A
Metals (ICP/MS)	TAL DEN	SW846 6020	
Preparation, Total Metals	TAL DEN		SW846 3020A
Mercury (CVAA)	TAL DEN	SW846 7470A	
Preparation, Mercury	TAL DEN		SW846 7470A

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dobransky, Michael E	MD
SW846 8260B/DoD	Hubbs, Lisa M	LMH
SW846 8260B/DoD	Reinhardt, Jason	JR
SW846 8270D/DoD	Hoffman, Michael G	MGH
SW846 8081A	Wells, David	DW
SW846 8082	Jackson, Todd D	TDJ
SW846 6010B	Bowen, Heidi E	HEB
SW846 6010B	Harre, John K	JKH
SW846 6020	Lill, Thomas E	TEL
SW846 7470A	Ivey, Crystal L	CLI
SW846 7471A	Ivey, Crystal L	CLI
EPA Moisture	Berry III, Paul B	PBB

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1 | Date Sampled: 03/27/2012 0955
Client Matrix: Solid | % Moisture: 35.9 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5646.D
Dilution:	1.0			Initial Weight/Volume:	5.402 g
Analysis Date:	04/04/2012 1325			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.4	U Q	0.81	7.2
1,1,1-Trichloroethane		1.4	U	0.75	7.2
1,2,3-Trichloropropane		1.4	U Q	1.2	7.2
1,2,3-Trichlorobenzene		1.4	U Q	1.1	7.2
1,1-Dichloroethane		1.2	U	0.30	7.2
1,2,4-Trichlorobenzene		1.4	U Q	1.1	7.2
1,2-Dibromo-3-Chloropropane		1.4	U Q	0.87	14
1,1-Dichloropropene		1.4	U	0.78	7.2
1,1-Dichloroethene		1.4	U	0.85	7.2
1,1,2-Trichloroethane		1.4	U	1.3	7.2
1,1,2,2-Tetrachloroethane		1.4	U Q	0.88	7.2
1,2,4-Trimethylbenzene		1.4	U Q	0.84	7.2
1,2-Dichlorobenzene		1.4	U Q	0.65	7.2
1,2-Dichloroethane		1.4	U	1.0	7.2
1,3-Dichlorobenzene		1.4	U Q	0.69	7.2
1,3-Dichloropropane		1.4	U Q	0.74	7.2
1,3,5-Trimethylbenzene		1.4	U Q	0.82	7.2
2-Butanone (MEK)		9.2	U	2.6	29
1,4-Dichlorobenzene		1.4	U Q	1.1	7.2
1,2-Dichloropropane		1.4	U	0.79	7.2
2,2-Dichloropropane		1.4	U	0.63	7.2
2-Hexanone		14	U	7.1	29
4-Methyl-2-pentanone (MIBK)		14	U	6.3	29
4-Isopropyltoluene		1.4	U Q	0.71	7.2
Benzene		1.4	U	0.68	7.2
Acetone		14	U	7.8	29
Bromobenzene		1.4	U Q	0.71	7.2
Bromoform		1.2	U Q	0.33	7.2
Bromomethane		1.4	U	0.72	14
Carbon tetrachloride		1.4	U	0.91	7.2
Carbon disulfide		1.4	U	0.61	7.2
2-Chlorotoluene		1.4	U Q	0.74	7.2
4-Chlorotoluene		1.4	U Q	1.1	7.2
Chlorobenzene		1.4	U Q	0.78	7.2
Chlorobromomethane		1.4	U	0.43	7.2
Chlorodibromomethane		1.4	U Q	0.82	7.2
Chloroform		1.4	U	0.42	14
Chloroethane		1.4	U	1.3	14
Chloromethane		1.4	U	1.1	14
cis-1,2-Dichloroethene		1.4	U	0.81	7.2
cis-1,3-Dichloropropene		2.9	U	1.9	7.2
Dibromomethane		1.4	U	1.2	7.2
Dichlorobromomethane		1.2	U	0.32	7.2
Dichlorodifluoromethane		1.4	U	0.75	14
Ethylbenzene		1.4	U Q	0.97	7.2
Hexachlorobutadiene		1.4	U Q	0.79	7.2

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1 | Date Sampled: 03/27/2012 0955
Client Matrix: Solid | % Moisture: 35.9 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5646.D
Dilution:	1.0			Initial Weight/Volume:	5.402 g
Analysis Date:	04/04/2012 1325			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.4	U Q	0.85	7.2
Ethylene Dibromide		1.4	U Q	0.75	7.2
Methylene Chloride		3.7	J	2.3	7.2
Methyl tert-butyl ether		1.4	U	0.49	29
m-Xylene & p-Xylene		2.9	U Q	1.5	4.6
Naphthalene		1.0	J Q	0.91	7.2
n-Butylbenzene		1.4	U Q	0.81	7.2
N-Propylbenzene		1.4	U Q	0.84	7.2
o-Xylene		1.4	U Q	0.88	7.2
Styrene		1.4	U Q	0.91	7.2
sec-Butylbenzene		1.4	U Q	1.1	7.2
tert-Butylbenzene		1.4	U Q	0.72	7.2
trans-1,2-Dichloroethene		1.4	U	0.56	7.2
trans-1,3-Dichloropropene		1.4	U	0.97	7.2
Tetrachloroethene		1.4	U Q	0.85	7.2
Toluene		1.4	U	1.0	7.2
Trichloroethene		1.2	U	0.33	7.2
Trichlorofluoromethane		2.9	U	1.5	14
Vinyl chloride		2.9	U	1.9	7.2
1,4-Dioxane		120	U	81	720
1,1,2-Trichloro-1,2,2-trifluoroethane		29	U	0.65	29
1-Chlorohexane		1.2	U Q	0.91	7.2
Cyclohexane		2.3	U	0.58	7.2
Methyl acetate		5.8	U	4.0	12
Methylcyclohexane		1.2	U	0.61	7.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	117	Q	85 - 115
1,2-Dichloroethane-d4 (Surr)	92		61 - 129
4-Bromofluorobenzene (Surr)	122	Q	85 - 120
Dibromofluoromethane (Surr)	98		71 - 126

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2
Client Matrix: Solid
% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5647.D
Dilution:	1.0			Initial Weight/Volume:	4.856 g
Analysis Date:	04/04/2012 1346			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.7	U	0.97	8.6
1,1,1-Trichloroethane		1.7	U	0.90	8.6
1,2,3-Trichloropropane		1.7	U Q	1.4	8.6
1,2,3-Trichlorobenzene		1.7	U Q	1.3	8.6
1,1-Dichloroethane		1.4	U	0.36	8.6
1,2,4-Trichlorobenzene		1.7	U Q	1.3	8.6
1,2-Dibromo-3-Chloropropane		1.7	U Q	1.0	17
1,1-Dichloropropene		1.7	U	0.93	8.6
1,1-Dichloroethene		1.7	U	1.0	8.6
1,1,2-Trichloroethane		1.7	U	1.5	8.6
1,1,2,2-Tetrachloroethane		1.7	U Q	1.1	8.6
1,2,4-Trimethylbenzene		1.7	U Q	1.0	8.6
1,2-Dichlorobenzene		1.7	U Q	0.78	8.6
1,2-Dichloroethane		1.7	U	1.2	8.6
1,3-Dichlorobenzene		1.7	U Q	0.83	8.6
1,3-Dichloropropane		1.7	U	0.88	8.6
1,3,5-Trimethylbenzene		1.7	U Q	0.98	8.6
2-Butanone (MEK)		11	U	3.2	35
1,4-Dichlorobenzene		1.7	U Q	1.3	8.6
1,2-Dichloropropane		1.7	U	0.95	8.6
2,2-Dichloropropane		1.7	U	0.76	8.6
2-Hexanone		17	U	8.4	35
4-Methyl-2-pentanone (MIBK)		17	U	7.5	35
4-Isopropyltoluene		1.7	U Q	0.85	8.6
Benzene		1.7	U	0.81	8.6
Acetone		17	U	9.3	35
Bromobenzene		1.7	U Q	0.85	8.6
Bromoform		1.4	U	0.40	8.6
Bromomethane		1.7	U	0.86	17
Carbon tetrachloride		1.7	U	1.1	8.6
Carbon disulfide		1.7	U	0.73	8.6
2-Chlorotoluene		1.7	U Q	0.88	8.6
4-Chlorotoluene		1.7	U Q	1.3	8.6
Chlorobenzene		1.7	U	0.93	8.6
Chlorobromomethane		1.7	U	0.52	8.6
Chlorodibromomethane		1.7	U	0.98	8.6
Chloroform		1.7	U	0.50	17
Chloroethane		1.7	U	1.5	17
Chloromethane		1.7	U	1.3	17
cis-1,2-Dichloroethene		1.7	U	0.97	8.6
cis-1,3-Dichloropropene		3.5	U	2.2	8.6
Dibromomethane		1.7	U	1.5	8.6
Dichlorobromomethane		1.4	U	0.38	8.6
Dichlorodifluoromethane		1.7	U	0.90	17
Ethylbenzene		1.7	U	1.2	8.6
Hexachlorobutadiene		1.7	U Q	0.95	8.6

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2 | Date Sampled: 03/27/2012 1020
Client Matrix: Solid | % Moisture: 40.4 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5647.D
Dilution:	1.0			Initial Weight/Volume:	4.856 g
Analysis Date:	04/04/2012 1346			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.7	U Q	1.0	8.6
Ethylene Dibromide		1.7	U	0.90	8.6
Methylene Chloride		4.1	J	2.8	8.6
Methyl tert-butyl ether		1.7	U	0.59	35
m-Xylene & p-Xylene		3.5	U	1.8	5.5
Naphthalene		1.7	U Q	1.1	8.6
n-Butylbenzene		1.7	U Q	0.97	8.6
N-Propylbenzene		1.7	U Q	1.0	8.6
o-Xylene		1.7	U	1.1	8.6
Styrene		1.7	U	1.1	8.6
sec-Butylbenzene		1.7	U Q	1.3	8.6
tert-Butylbenzene		1.7	U Q	0.86	8.6
trans-1,2-Dichloroethene		1.7	U	0.67	8.6
trans-1,3-Dichloropropene		1.7	U	1.2	8.6
Tetrachloroethene		1.7	U	1.0	8.6
Toluene		1.7	U	1.2	8.6
Trichloroethene		1.4	U	0.40	8.6
Trichlorofluoromethane		3.5	U	1.8	17
Vinyl chloride		3.5	U	2.3	8.6
1,4-Dioxane		140	U	97	860
1,1,2-Trichloro-1,2,2-trifluoroethane		35	U	0.78	35
1-Chlorohexane		1.4	U	1.1	8.6
Cyclohexane		2.8	U	0.69	8.6
Methyl acetate		6.9	U	4.7	15
Methylcyclohexane		1.4	U	0.73	8.6

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		85 - 115
1,2-Dichloroethane-d4 (Surr)	97		61 - 129
4-Bromofluorobenzene (Surr)	125	Q	85 - 120
Dibromofluoromethane (Surr)	101		71 - 126

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3 | Date Sampled: 03/27/2012 1045
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5648.D
Dilution:	1.0			Initial Weight/Volume:	4.876 g
Analysis Date:	04/04/2012 1408			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.6	U Q	0.89	7.9
1,1,1-Trichloroethane		1.6	U	0.82	7.9
1,2,3-Trichloropropane		1.6	U Q	1.3	7.9
1,2,3-Trichlorobenzene		1.6	U Q	1.2	7.9
1,1-Dichloroethane		1.3	U	0.33	7.9
1,2,4-Trichlorobenzene		1.6	U Q	1.2	7.9
1,2-Dibromo-3-Chloropropane		1.6	U Q	0.95	16
1,1-Dichloropropene		1.6	U	0.86	7.9
1,1-Dichloroethene		1.6	U	0.93	7.9
1,1,2-Trichloroethane		1.6	U	1.4	7.9
1,1,2,2-Tetrachloroethane		1.6	U Q	0.97	7.9
1,2,4-Trimethylbenzene		1.6	U Q	0.92	7.9
1,2-Dichlorobenzene		1.6	U Q	0.71	7.9
1,2-Dichloroethane		1.6	U	1.1	7.9
1,3-Dichlorobenzene		1.6	U Q	0.76	7.9
1,3-Dichloropropane		1.6	U Q	0.81	7.9
1,3,5-Trimethylbenzene		1.6	U Q	0.90	7.9
2-Butanone (MEK)		10	U	2.9	32
1,4-Dichlorobenzene		1.6	U Q	1.2	7.9
1,2-Dichloropropane		1.6	U	0.87	7.9
2,2-Dichloropropane		1.6	U	0.70	7.9
2-Hexanone		16	U	7.7	32
4-Methyl-2-pentanone (MIBK)		16	U	6.9	32
4-Isopropyltoluene		1.6	U Q	0.78	7.9
Benzene		1.6	U	0.74	7.9
Acetone		16	U	8.5	32
Bromobenzene		1.6	U Q	0.78	7.9
Bromoform		1.3	U Q	0.36	7.9
Bromomethane		1.6	U	0.79	16
Carbon tetrachloride		1.6	U	1.0	7.9
Carbon disulfide		1.6	U	0.67	7.9
2-Chlorotoluene		1.6	U Q	0.81	7.9
4-Chlorotoluene		1.6	U Q	1.2	7.9
Chlorobenzene		1.6	U Q	0.86	7.9
Chlorobromomethane		1.6	U	0.48	7.9
Chlorodibromomethane		1.6	U Q	0.90	7.9
Chloroform		1.6	U	0.46	16
Chloroethane		1.6	U	1.4	16
Chloromethane		1.6	U	1.2	16
cis-1,2-Dichloroethene		1.6	U	0.89	7.9
cis-1,3-Dichloropropene		3.2	U	2.0	7.9
Dibromomethane		1.6	U	1.3	7.9
Dichlorobromomethane		1.3	U	0.35	7.9
Dichlorodifluoromethane		1.6	U	0.82	16
Ethylbenzene		1.6	U Q	1.1	7.9
Hexachlorobutadiene		1.6	U Q	0.87	7.9

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3 | Date Sampled: 03/27/2012 1045
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5648.D
Dilution:	1.0			Initial Weight/Volume:	4.876 g
Analysis Date:	04/04/2012 1408			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.6	U Q	0.93	7.9
Ethylene Dibromide		1.6	U Q	0.82	7.9
Methylene Chloride		4.2	J	2.5	7.9
Methyl tert-butyl ether		1.6	U	0.54	32
m-Xylene & p-Xylene		3.2	U Q	1.6	5.1
Naphthalene		1.6	U Q	1.0	7.9
n-Butylbenzene		1.6	U Q	0.89	7.9
N-Propylbenzene		1.6	U Q	0.92	7.9
o-Xylene		1.6	U Q	0.97	7.9
Styrene		1.6	U Q	1.0	7.9
sec-Butylbenzene		1.6	U Q	1.2	7.9
tert-Butylbenzene		1.6	U Q	0.79	7.9
trans-1,2-Dichloroethene		1.6	U	0.62	7.9
trans-1,3-Dichloropropene		1.6	U	1.1	7.9
Tetrachloroethene		1.6	U Q	0.93	7.9
Toluene		1.6	U	1.1	7.9
Trichloroethene		1.3	U	0.36	7.9
Trichlorofluoromethane		3.2	U	1.6	16
Vinyl chloride		3.2	U	2.1	7.9
1,4-Dioxane		130	U	89	790
1,1,2-Trichloro-1,2,2-trifluoroethane		32	U	0.71	32
1-Chlorohexane		1.3	U Q	1.0	7.9
Cyclohexane		2.5	U	0.63	7.9
Methyl acetate		6.3	U	4.4	13
Methylcyclohexane		1.3	U	0.67	7.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	121	Q	85 - 115
1,2-Dichloroethane-d4 (Surr)	96		61 - 129
4-Bromofluorobenzene (Surr)	135	Q	85 - 120
Dibromofluoromethane (Surr)	100		71 - 126

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4 | Date Sampled: 03/27/2012 1120
Client Matrix: Solid | % Moisture: 32.4 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5390.D
Dilution:	1.0			Initial Weight/Volume:	5.092 g
Analysis Date:	04/06/2012 1101			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.5	U Q	0.81	7.3
1,1,1-Trichloroethane		1.5	U	0.76	7.3
1,2,3-Trichloropropane		1.5	U Q	1.2	7.3
1,2,3-Trichlorobenzene		1.5	U Q J	1.1	7.3
1,1-Dichloroethane		1.2	U	0.30	7.3
1,2,4-Trichlorobenzene		1.5	U Q J	1.1	7.3
1,2-Dibromo-3-Chloropropane		1.5	U Q	0.87	15
1,1-Dichloropropene		1.5	U	0.78	7.3
1,1-Dichloroethene		1.5	U	0.86	7.3
1,1,2-Trichloroethane		1.5	U	1.3	7.3
1,1,2,2-Tetrachloroethane		1.5	U Q	0.89	7.3
1,2,4-Trimethylbenzene		1.5	U Q	0.84	7.3
1,2-Dichlorobenzene		1.5	U Q J	0.65	7.3
1,2-Dichloroethane		1.5	U	1.0	7.3
1,3-Dichlorobenzene		1.5	U Q	0.70	7.3
1,3-Dichloropropane		1.5	U Q	0.74	7.3
1,3,5-Trimethylbenzene		1.5	U Q	0.83	7.3
2-Butanone (MEK)		9.3	U J	2.7	29
1,4-Dichlorobenzene		1.5	U Q J	1.1	7.3
1,2-Dichloropropane		1.5	U	0.80	7.3
2,2-Dichloropropane		1.5	U	0.64	7.3
2-Hexanone		15	U	7.1	29
4-Methyl-2-pentanone (MIBK)		15	U	6.3	29
4-Isopropyltoluene		1.5	U Q	0.71	7.3
Benzene		1.5	U	0.68	7.3
Acetone		15	U	7.8	29
Bromobenzene		1.5	U Q	0.71	7.3
Bromoform		1.2	U Q	0.33	7.3
Bromomethane		1.5	U	0.73	15
Carbon tetrachloride		1.5	U	0.91	7.3
Carbon disulfide		1.5	U	0.61	7.3
2-Chlorotoluene		1.5	U Q	0.74	7.3
4-Chlorotoluene		1.5	U Q	1.1	7.3
Chlorobenzene		1.5	U Q	0.78	7.3
Chlorobromomethane		1.5	U	0.44	7.3
Chlorodibromomethane		1.5	U Q	0.83	7.3
Chloroform		1.5	U	0.42	15
Chloroethane		1.5	U	1.3	15
Chloromethane		1.5	U	1.1	15
cis-1,2-Dichloroethene		1.5	U	0.81	7.3
cis-1,3-Dichloropropene		2.9	U J	1.9	7.3
Dibromomethane		1.5	U	1.2	7.3
Dichlorobromomethane		1.2	U	0.32	7.3
Dichlorodifluoromethane		1.5	U	0.76	15
Ethylbenzene		1.5	U Q	0.97	7.3
Hexachlorobutadiene		1.5	U Q J	0.80	7.3

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4 | Date Sampled: 03/27/2012 1120
Client Matrix: Solid | % Moisture: 32.4 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5390.D
Dilution:	1.0			Initial Weight/Volume:	5.092 g
Analysis Date:	04/06/2012 1101			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.5	U Q	0.86	7.3
Ethylene Dibromide		1.5	U Q	0.76	7.3
Methylene Chloride		4.6	U	2.3	7.3
Methyl tert-butyl ether		1.5	U	0.49	29
m-Xylene & p-Xylene		2.9	U Q	1.5	4.6
Naphthalene		1.5	U Q J	0.91	7.3
n-Butylbenzene		1.5	U Q	0.81	7.3
N-Propylbenzene		1.5	U Q	0.84	7.3
o-Xylene		1.5	U Q	0.89	7.3
Styrene		1.5	U Q J	0.91	7.3
sec-Butylbenzene		1.5	U Q	1.1	7.3
tert-Butylbenzene		1.5	U Q	0.73	7.3
trans-1,2-Dichloroethene		1.5	U	0.57	7.3
trans-1,3-Dichloropropene		1.5	U	0.97	7.3
Tetrachloroethene		1.5	U Q	0.86	7.3
Toluene		1.5	U	1.0	7.3
Trichloroethene		1.2	U	0.33	7.3
Trichlorofluoromethane		2.9	U	1.5	15
Vinyl chloride		2.9	U	1.9	7.3
1,4-Dioxane		120	U	81	730
1,1,2-Trichloro-1,2,2-trifluoroethane		29	U	0.65	29
1-Chlorohexane		1.2	U Q	0.91	7.3
Cyclohexane		2.3	U	0.58	7.3
Methyl acetate		5.8	U	4.0	12
Methylcyclohexane		1.2	U	0.61	7.3

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	120	Q	85 - 115
1,2-Dichloroethane-d4 (Surr)	82		61 - 129
4-Bromofluorobenzene (Surr)	121	Q	85 - 120
Dibromofluoromethane (Surr)	87		71 - 126

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5 | Date Sampled: 03/27/2012 1150
Client Matrix: Solid | % Moisture: 36.0 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5660.D
Dilution:	1.0			Initial Weight/Volume:	4.536 g
Analysis Date:	04/04/2012 1823			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.7	U	0.96	8.6
1,1,1-Trichloroethane		1.7	U	0.90	8.6
1,2,3-Trichloropropane		1.7	U Q	1.4	8.6
1,2,3-Trichlorobenzene		1.7	U Q	1.3	8.6
1,1-Dichloroethane		1.4	U	0.36	8.6
1,2,4-Trichlorobenzene		1.7	U Q	1.3	8.6
1,2-Dibromo-3-Chloropropane		1.7	U Q	1.0	17
1,1-Dichloropropene		1.7	U	0.93	8.6
1,1-Dichloroethene		1.7	U	1.0	8.6
1,1,2-Trichloroethane		1.7	U	1.5	8.6
1,1,2,2-Tetrachloroethane		1.7	U Q	1.1	8.6
1,2,4-Trimethylbenzene		1.7	U Q	1.0	8.6
1,2-Dichlorobenzene		1.7	U Q	0.78	8.6
1,2-Dichloroethane		1.7	U	1.2	8.6
1,3-Dichlorobenzene		1.7	U Q	0.83	8.6
1,3-Dichloropropane		1.7	U	0.88	8.6
1,3,5-Trimethylbenzene		1.7	U Q	0.98	8.6
2-Butanone (MEK)		11	U	3.2	34
1,4-Dichlorobenzene		1.7	U Q	1.3	8.6
1,2-Dichloropropane		1.7	U	0.95	8.6
2,2-Dichloropropane		1.7	U	0.76	8.6
2-Hexanone		17	U	8.4	34
4-Methyl-2-pentanone (MIBK)		17	U	7.5	34
4-Isopropyltoluene		1.7	U Q	0.84	8.6
Benzene		1.7	U	0.81	8.6
Acetone		17	U	9.3	34
Bromobenzene		1.7	U Q	0.84	8.6
Bromoform		1.4	U	0.40	8.6
Bromomethane		1.7	U	0.86	17
Carbon tetrachloride		1.7	U	1.1	8.6
Carbon disulfide		1.7	U	0.72	8.6
2-Chlorotoluene		1.7	U Q	0.88	8.6
4-Chlorotoluene		1.7	U Q	1.3	8.6
Chlorobenzene		1.7	U	0.93	8.6
Chlorobromomethane		1.7	U	0.52	8.6
Chlorodibromomethane		1.7	U	0.98	8.6
Chloroform		1.7	U	0.50	17
Chloroethane		1.7	U	1.5	17
Chloromethane		1.7	U	1.3	17
cis-1,2-Dichloroethene		1.7	U	0.96	8.6
cis-1,3-Dichloropropene		3.4	U	2.2	8.6
Dibromomethane		1.7	U	1.4	8.6
Dichlorobromomethane		1.4	U	0.38	8.6
Dichlorodifluoromethane		1.7	U	0.90	17
Ethylbenzene		1.7	U	1.2	8.6
Hexachlorobutadiene		1.7	U Q	0.95	8.6

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5 | Date Sampled: 03/27/2012 1150
Client Matrix: Solid | % Moisture: 36.0 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5660.D
Dilution:	1.0			Initial Weight/Volume:	4.536 g
Analysis Date:	04/04/2012 1823			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.7	U Q	1.0	8.6
Ethylene Dibromide		1.7	U	0.90	8.6
Methylene Chloride		5.5	U	2.8	8.6
Methyl tert-butyl ether		1.7	U	0.59	34
m-Xylene & p-Xylene		3.4	U	1.8	5.5
Naphthalene		1.6	J Q	1.1	8.6
n-Butylbenzene		1.7	U Q	0.96	8.6
N-Propylbenzene		1.7	U Q	1.0	8.6
o-Xylene		1.7	U	1.1	8.6
Styrene		1.7	U	1.1	8.6
sec-Butylbenzene		1.7	U Q	1.3	8.6
tert-Butylbenzene		1.7	U Q	0.86	8.6
trans-1,2-Dichloroethene		1.7	U	0.67	8.6
trans-1,3-Dichloropropene		1.7	U	1.2	8.6
Tetrachloroethene		1.7	U	1.0	8.6
Toluene		1.7	U	1.2	8.6
Trichloroethene		1.4	U	0.40	8.6
Trichlorofluoromethane		3.4	U	1.8	17
Vinyl chloride		3.4	U	2.3	8.6
1,4-Dioxane		140	U	97	860
1,1,2-Trichloro-1,2,2-trifluoroethane		34	U	0.78	34
1-Chlorohexane		1.4	U	1.1	8.6
Cyclohexane		2.8	U	0.69	8.6
Methyl acetate		6.9	U	4.7	15
Methylcyclohexane		1.4	U	0.72	8.6

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	106		85 - 115
1,2-Dichloroethane-d4 (Surr)	94		61 - 129
4-Bromofluorobenzene (Surr)	126	Q	85 - 120
Dibromofluoromethane (Surr)	95		71 - 126

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6 | Date Sampled: 03/27/2012 1200
Client Matrix: Solid | % Moisture: 16.8 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5656.D
Dilution:	1.0			Initial Weight/Volume:	4.834 g
Analysis Date:	04/04/2012 1658			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.2	U	0.70	6.2
1,1,1-Trichloroethane		1.2	U	0.65	6.2
1,2,3-Trichloropropane		1.2	U	1.0	6.2
1,2,3-Trichlorobenzene		1.2	U J	0.93	6.2
1,1-Dichloroethane		0.99	U	0.26	6.2
1,2,4-Trichlorobenzene		1.2	U J	0.91	6.2
1,2-Dibromo-3-Chloropropane		1.2	U	0.75	12
1,1-Dichloropropene		1.2	U	0.67	6.2
1,1-Dichloroethene		1.2	U	0.73	6.2
1,1,2-Trichloroethane		1.2	U	1.1	6.2
1,1,2,2-Tetrachloroethane		1.2	U	0.76	6.2
1,2,4-Trimethylbenzene		1.2	U	0.72	6.2
1,2-Dichlorobenzene		1.2	U	0.56	6.2
1,2-Dichloroethane		1.2	U	0.87	6.2
1,3-Dichlorobenzene		1.2	U	0.60	6.2
1,3-Dichloropropane		1.2	U	0.63	6.2
1,3,5-Trimethylbenzene		1.2	U	0.71	6.2
2-Butanone (MEK)		8.0	U J	2.3	25
1,4-Dichlorobenzene		1.2	U	0.97	6.2
1,2-Dichloropropane		1.2	U	0.68	6.2
2,2-Dichloropropane		1.2	U	0.55	6.2
2-Hexanone		12	U	6.1	25
4-Methyl-2-pentanone (MIBK)		12	U	5.4	25
4-Isopropyltoluene		1.2	U	0.61	6.2
Benzene		1.2	U	0.58	6.2
Acetone		12	U	6.7	25
Bromobenzene		1.2	U	0.61	6.2
Bromoform		0.99	U	0.29	6.2
Bromomethane		1.2	U	0.62	12
Carbon tetrachloride		1.2	U	0.78	6.2
Carbon disulfide		1.2	U	0.52	6.2
2-Chlorotoluene		1.2	U	0.63	6.2
4-Chlorotoluene		1.2	U	0.97	6.2
Chlorobenzene		1.2	U	0.67	6.2
Chlorobromomethane		1.2	U	0.37	6.2
Chlorodibromomethane		1.2	U	0.71	6.2
Chloroform		1.2	U	0.36	12
Chloroethane		1.2	U	1.1	12
Chloromethane		1.2	U	0.96	12
cis-1,2-Dichloroethene		1.2	U	0.70	6.2
cis-1,3-Dichloropropene		2.5	U	1.6	6.2
Dibromomethane		1.2	U	1.0	6.2
Dichlorobromomethane		0.99	U	0.27	6.2
Dichlorodifluoromethane		1.2	U	0.65	12
Ethylbenzene		1.2	U	0.83	6.2
Hexachlorobutadiene		1.2	U	0.68	6.2

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6 | Date Sampled: 03/27/2012 1200
Client Matrix: Solid | % Moisture: 16.8 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5656.D
Dilution:	1.0			Initial Weight/Volume:	4.834 g
Analysis Date:	04/04/2012 1658			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.2	U	0.73	6.2
Ethylene Dibromide		1.2	U	0.65	6.2
Methylene Chloride		3.0	J	2.0	6.2
Methyl tert-butyl ether		1.2	U	0.42	25
m-Xylene & p-Xylene		2.5	U	1.3	4.0
Naphthalene		1.2	U	0.78	6.2
n-Butylbenzene		1.2	U	0.70	6.2
N-Propylbenzene		1.2	U	0.72	6.2
o-Xylene		1.2	U	0.76	6.2
Styrene		1.2	U	0.78	6.2
sec-Butylbenzene		1.2	U	0.96	6.2
tert-Butylbenzene		1.2	U	0.62	6.2
trans-1,2-Dichloroethene		1.2	U	0.48	6.2
trans-1,3-Dichloropropene		1.2	U	0.83	6.2
Tetrachloroethene		1.2	U	0.73	6.2
Toluene		1.2	U	0.86	6.2
Trichloroethene		0.99	U	0.29	6.2
Trichlorofluoromethane		2.5	U	1.3	12
Vinyl chloride		2.5	U	1.7	6.2
1,4-Dioxane		99	U	70	620
1,1,2-Trichloro-1,2,2-trifluoroethane		25	U	0.56	25
1-Chlorohexane		0.99	U	0.78	6.2
Cyclohexane		2.0	U	0.50	6.2
Methyl acetate		5.0	U	3.4	11
Methylcyclohexane		0.99	U	0.52	6.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		85 - 115
1,2-Dichloroethane-d4 (Surr)	91		61 - 129
4-Bromofluorobenzene (Surr)	99		85 - 120
Dibromofluoromethane (Surr)	92		71 - 126

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7 | Date Sampled: 03/27/2012 1215
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5661.D
Dilution:	1.0			Initial Weight/Volume:	5.008 g
Analysis Date:	04/04/2012 1844			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.5	U	0.86	7.7
1,1,1-Trichloroethane		1.5	U	0.80	7.7
1,2,3-Trichloropropane		1.5	U Q	1.2	7.7
1,2,3-Trichlorobenzene		1.5	U Q	1.2	7.7
1,1-Dichloroethane		1.2	U	0.32	7.7
1,2,4-Trichlorobenzene		1.5	U Q	1.1	7.7
1,2-Dibromo-3-Chloropropane		1.5	U Q	0.93	15
1,1-Dichloropropene		1.5	U	0.83	7.7
1,1-Dichloroethene		1.5	U	0.91	7.7
1,1,2-Trichloroethane		1.5	U	1.4	7.7
1,1,2,2-Tetrachloroethane		1.5	U Q	0.94	7.7
1,2,4-Trimethylbenzene		1.5	U Q	0.89	7.7
1,2-Dichlorobenzene		1.5	U Q	0.69	7.7
1,2-Dichloroethane		1.5	U	1.1	7.7
1,3-Dichlorobenzene		1.5	U Q	0.74	7.7
1,3-Dichloropropane		1.5	U	0.79	7.7
1,3,5-Trimethylbenzene		1.5	U Q	0.88	7.7
2-Butanone (MEK)		9.9	U	2.8	31
1,4-Dichlorobenzene		1.5	U Q	1.2	7.7
1,2-Dichloropropane		1.5	U	0.85	7.7
2,2-Dichloropropane		1.5	U	0.68	7.7
2-Hexanone		15	U	7.5	31
4-Methyl-2-pentanone (MIBK)		15	U	6.7	31
4-Isopropyltoluene		1.5	U Q	0.76	7.7
Benzene		1.5	U	0.73	7.7
Acetone		15	U	8.3	31
Bromobenzene		1.5	U Q	0.76	7.7
Bromoform		1.2	U	0.35	7.7
Bromomethane		1.5	U	0.77	15
Carbon tetrachloride		1.5	U	0.97	7.7
Carbon disulfide		1.5	U	0.65	7.7
2-Chlorotoluene		1.5	U Q	0.79	7.7
4-Chlorotoluene		1.5	U Q	1.2	7.7
Chlorobenzene		1.5	U	0.83	7.7
Chlorobromomethane		1.5	U	0.46	7.7
Chlorodibromomethane		1.5	U	0.88	7.7
Chloroform		1.5	U	0.45	15
Chloroethane		1.5	U	1.4	15
Chloromethane		1.5	U	1.2	15
cis-1,2-Dichloroethene		1.5	U	0.86	7.7
cis-1,3-Dichloropropene		3.1	U	2.0	7.7
Dibromomethane		1.5	U	1.3	7.7
Dichlorobromomethane		1.2	U	0.34	7.7
Dichlorodifluoromethane		1.5	U	0.80	15
Ethylbenzene		1.5	U	1.0	7.7
Hexachlorobutadiene		1.5	U Q	0.85	7.7

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7 | Date Sampled: 03/27/2012 1215
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5661.D
Dilution:	1.0			Initial Weight/Volume:	5.008 g
Analysis Date:	04/04/2012 1844			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.5	U Q	0.91	7.7
Ethylene Dibromide		1.5	U	0.80	7.7
Methylene Chloride		3.5	J	2.5	7.7
Methyl tert-butyl ether		1.5	U	0.52	31
m-Xylene & p-Xylene		3.1	U	1.6	4.9
Naphthalene		1.5	U Q	0.97	7.7
n-Butylbenzene		1.5	U Q	0.86	7.7
N-Propylbenzene		1.5	U Q	0.89	7.7
o-Xylene		1.5	U	0.94	7.7
Styrene		1.5	U	0.97	7.7
sec-Butylbenzene		1.5	U Q	1.2	7.7
tert-Butylbenzene		1.5	U Q	0.77	7.7
trans-1,2-Dichloroethene		1.5	U	0.60	7.7
trans-1,3-Dichloropropene		1.5	U	1.0	7.7
Tetrachloroethene		1.5	U	0.91	7.7
Toluene		1.5	U	1.1	7.7
Trichloroethene		1.2	U	0.35	7.7
Trichlorofluoromethane		3.1	U	1.6	15
Vinyl chloride		3.1	U	2.1	7.7
1,4-Dioxane		120	U	87	770
1,1,2-Trichloro-1,2,2-trifluoroethane		31	U	0.69	31
1-Chlorohexane		1.2	U	0.97	7.7
Cyclohexane		2.5	U	0.62	7.7
Methyl acetate		6.2	U	4.2	13
Methylcyclohexane		1.2	U	0.65	7.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	114		85 - 115
1,2-Dichloroethane-d4 (Surr)	108		61 - 129
4-Bromofluorobenzene (Surr)	135	Q	85 - 120
Dibromofluoromethane (Surr)	102		71 - 126

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8 | Date Sampled: 03/27/2012 1245
Client Matrix: Solid | % Moisture: 14.1 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5662.D
Dilution:	1.0			Initial Weight/Volume:	4.818 g
Analysis Date:	04/04/2012 1905			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.2	U	0.68	6.0
1,1,1-Trichloroethane		1.2	U	0.63	6.0
1,2,3-Trichloropropane		1.2	U	0.98	6.0
1,2,3-Trichlorobenzene		1.2	U	0.91	6.0
1,1-Dichloroethane		0.97	U	0.25	6.0
1,2,4-Trichlorobenzene		1.2	U	0.88	6.0
1,2-Dibromo-3-Chloropropane		1.2	U	0.72	12
1,1-Dichloropropene		1.2	U	0.65	6.0
1,1-Dichloroethene		1.2	U	0.71	6.0
1,1,2-Trichloroethane		1.2	U	1.1	6.0
1,1,2,2-Tetrachloroethane		1.2	U	0.74	6.0
1,2,4-Trimethylbenzene		1.2	U	0.70	6.0
1,2-Dichlorobenzene		1.2	U	0.54	6.0
1,2-Dichloroethane		1.2	U	0.85	6.0
1,3-Dichlorobenzene		1.2	U	0.58	6.0
1,3-Dichloropropane		1.2	U	0.62	6.0
1,3,5-Trimethylbenzene		1.2	U	0.69	6.0
2-Butanone (MEK)		7.7	U	2.2	24
1,4-Dichlorobenzene		1.2	U	0.94	6.0
1,2-Dichloropropane		1.2	U	0.66	6.0
2,2-Dichloropropane		1.2	U	0.53	6.0
2-Hexanone		12	U	5.9	24
4-Methyl-2-pentanone (MIBK)		12	U	5.3	24
4-Isopropyltoluene		1.2	U	0.59	6.0
Benzene		1.2	U	0.57	6.0
Acetone		12	U	6.5	24
Bromobenzene		1.2	U	0.59	6.0
Bromoform		0.97	U	0.28	6.0
Bromomethane		1.2	U	0.60	12
Carbon tetrachloride		1.2	U	0.76	6.0
Carbon disulfide		1.2	U	0.51	6.0
2-Chlorotoluene		1.2	U	0.62	6.0
4-Chlorotoluene		1.2	U	0.94	6.0
Chlorobenzene		1.2	U	0.65	6.0
Chlorobromomethane		1.2	U	0.36	6.0
Chlorodibromomethane		1.2	U	0.69	6.0
Chloroform		1.2	U	0.35	12
Chloroethane		1.2	U	1.1	12
Chloromethane		1.2	U	0.93	12
cis-1,2-Dichloroethene		1.2	U	0.68	6.0
cis-1,3-Dichloropropene		2.4	U	1.6	6.0
Dibromomethane		1.2	U	1.0	6.0
Dichlorobromomethane		0.97	U	0.27	6.0
Dichlorodifluoromethane		1.2	U	0.63	12
Ethylbenzene		1.2	U	0.81	6.0
Hexachlorobutadiene		1.2	U	0.66	6.0

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8 | Date Sampled: 03/27/2012 1245
Client Matrix: Solid | % Moisture: 14.1 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Prep Method:	5030B	Prep Batch:	280-114240	Lab File ID:	G5662.D
Dilution:	1.0			Initial Weight/Volume:	4.818 g
Analysis Date:	04/04/2012 1905			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.2	U	0.71	6.0
Ethylene Dibromide		1.2	U	0.63	6.0
Methylene Chloride		2.9	J	1.9	6.0
Methyl tert-butyl ether		1.2	U	0.41	24
m-Xylene & p-Xylene		2.4	U	1.3	3.9
Naphthalene		1.2	U	0.76	6.0
n-Butylbenzene		1.2	U	0.68	6.0
N-Propylbenzene		1.2	U	0.70	6.0
o-Xylene		1.2	U	0.74	6.0
Styrene		1.2	U	0.76	6.0
sec-Butylbenzene		1.2	U	0.93	6.0
tert-Butylbenzene		1.2	U	0.60	6.0
trans-1,2-Dichloroethene		1.2	U	0.47	6.0
trans-1,3-Dichloropropene		1.2	U	0.81	6.0
Tetrachloroethene		1.2	U	0.71	6.0
Toluene		1.2	U	0.83	6.0
Trichloroethene		0.97	U	0.28	6.0
Trichlorofluoromethane		2.4	U	1.3	12
Vinyl chloride		2.4	U	1.6	6.0
1,4-Dioxane		97	U	68	600
1,1,2-Trichloro-1,2,2-trifluoroethane		24	U	0.54	24
1-Chlorohexane		0.97	U	0.76	6.0
Cyclohexane		1.9	U	0.48	6.0
Methyl acetate		4.8	U	3.3	10
Methylcyclohexane		0.97	U	0.51	6.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		85 - 115
1,2-Dichloroethane-d4 (Surr)	95		61 - 129
4-Bromofluorobenzene (Surr)	96		85 - 120
Dibromofluoromethane (Surr)	95		71 - 126

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9 | Date Sampled: 03/27/2012 1255
Client Matrix: Solid | % Moisture: 29.6 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5394.D
Dilution:	1.0			Initial Weight/Volume:	5.012 g
Analysis Date:	04/06/2012 1217			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.4	U Q	0.79	7.1
1,1,1-Trichloroethane		1.4	U	0.74	7.1
1,2,3-Trichloropropane		1.4	U	1.1	7.1
1,2,3-Trichlorobenzene		1.4	U	1.1	7.1
1,1-Dichloroethane		1.1	U	0.30	7.1
1,2,4-Trichlorobenzene		1.4	U	1.0	7.1
1,2-Dibromo-3-Chloropropane		1.4	U	0.85	14
1,1-Dichloropropene		1.4	U	0.77	7.1
1,1-Dichloroethene		1.4	U	0.84	7.1
1,1,2-Trichloroethane		1.4	U	1.2	7.1
1,1,2,2-Tetrachloroethane		1.4	U	0.86	7.1
1,2,4-Trimethylbenzene		1.4	U	0.82	7.1
1,2-Dichlorobenzene		1.4	U	0.64	7.1
1,2-Dichloroethane		1.4	U	0.99	7.1
1,3-Dichlorobenzene		1.4	U	0.68	7.1
1,3-Dichloropropane		1.4	U Q	0.72	7.1
1,3,5-Trimethylbenzene		1.4	U	0.81	7.1
2-Butanone (MEK)		9.1	U	2.6	28
1,4-Dichlorobenzene		1.4	U	1.1	7.1
1,2-Dichloropropane		1.4	U	0.78	7.1
2,2-Dichloropropane		1.4	U	0.62	7.1
2-Hexanone		14	U	6.9	28
4-Methyl-2-pentanone (MIBK)		14	U	6.2	28
4-Isopropyltoluene		1.4	U	0.69	7.1
Benzene		1.4	U	0.67	7.1
Acetone		14	U	7.6	28
Bromobenzene		1.4	U	0.69	7.1
Bromoform		1.1	U Q	0.33	7.1
Bromomethane		1.4	U	0.71	14
Carbon tetrachloride		1.4	U	0.89	7.1
Carbon disulfide		1.4	U	0.60	7.1
2-Chlorotoluene		1.4	U	0.72	7.1
4-Chlorotoluene		1.4	U	1.1	7.1
Chlorobenzene		1.4	U Q	0.77	7.1
Chlorobromomethane		1.4	U	0.43	7.1
Chlorodibromomethane		1.4	U Q	0.81	7.1
Chloroform		1.4	U	0.41	14
Chloroethane		1.4	U	1.3	14
Chloromethane		1.4	U	1.1	14
cis-1,2-Dichloroethene		1.4	U	0.79	7.1
cis-1,3-Dichloropropene		2.8	U	1.8	7.1
Dibromomethane		1.4	U	1.2	7.1
Dichlorobromomethane		1.1	U	0.31	7.1
Dichlorodifluoromethane		1.4	U	0.74	14
Ethylbenzene		1.4	U Q	0.95	7.1
Hexachlorobutadiene		1.4	U	0.78	7.1

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9 | Date Sampled: 03/27/2012 1255
Client Matrix: Solid | % Moisture: 29.6 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5394.D
Dilution:	1.0			Initial Weight/Volume:	5.012 g
Analysis Date:	04/06/2012 1217			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.4	U	0.84	7.1
Ethylene Dibromide		1.4	U Q	0.74	7.1
Methylene Chloride		4.5	U	2.3	7.1
Methyl tert-butyl ether		1.4	U	0.48	28
m-Xylene & p-Xylene		2.8	U Q	1.5	4.5
Naphthalene		1.4	U	0.89	7.1
n-Butylbenzene		1.4	U	0.79	7.1
N-Propylbenzene		1.4	U	0.82	7.1
o-Xylene		1.4	U Q	0.86	7.1
Styrene		1.4	U Q	0.89	7.1
sec-Butylbenzene		1.4	U	1.1	7.1
tert-Butylbenzene		1.4	U	0.71	7.1
trans-1,2-Dichloroethene		1.4	U	0.55	7.1
trans-1,3-Dichloropropene		1.4	U	0.95	7.1
Tetrachloroethene		1.4	U Q	0.84	7.1
Toluene		1.4	U	0.98	7.1
Trichloroethene		1.1	U	0.33	7.1
Trichlorofluoromethane		2.8	U	1.5	14
Vinyl chloride		2.8	U	1.9	7.1
1,4-Dioxane		110	U	80	710
1,1,2-Trichloro-1,2,2-trifluoroethane		28	U	0.64	28
1-Chlorohexane		1.1	U Q	0.89	7.1
Cyclohexane		2.3	U	0.57	7.1
Methyl acetate		5.7	U	3.9	12
Methylcyclohexane		1.1	U	0.60	7.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	117	Q	85 - 115
1,2-Dichloroethane-d4 (Surr)	82		61 - 129
4-Bromofluorobenzene (Surr)	117		85 - 120
Dibromofluoromethane (Surr)	87		71 - 126

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10 | Date Sampled: 03/27/2012 1315
Client Matrix: Solid | % Moisture: 22.2 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5395.D
Dilution:	1.0			Initial Weight/Volume:	5.047 g
Analysis Date:	04/06/2012 1236			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.3	U	0.71	6.4
1,1,1-Trichloroethane		1.3	U	0.66	6.4
1,2,3-Trichloropropane		1.3	U	1.0	6.4
1,2,3-Trichlorobenzene		1.3	U	0.95	6.4
1,1-Dichloroethane		1.0	U	0.27	6.4
1,2,4-Trichlorobenzene		1.3	U	0.93	6.4
1,2-Dibromo-3-Chloropropane		1.3	U	0.76	13
1,1-Dichloropropene		1.3	U	0.69	6.4
1,1-Dichloroethene		1.3	U	0.75	6.4
1,1,2-Trichloroethane		1.3	U	1.1	6.4
1,1,2,2-Tetrachloroethane		1.3	U	0.78	6.4
1,2,4-Trimethylbenzene		1.3	U	0.74	6.4
1,2-Dichlorobenzene		1.3	U	0.57	6.4
1,2-Dichloroethane		1.3	U	0.89	6.4
1,3-Dichlorobenzene		1.3	U	0.61	6.4
1,3-Dichloropropane		1.3	U	0.65	6.4
1,3,5-Trimethylbenzene		1.3	U	0.73	6.4
2-Butanone (MEK)		8.1	U	2.3	25
1,4-Dichlorobenzene		1.3	U	0.99	6.4
1,2-Dichloropropane		1.3	U	0.70	6.4
2,2-Dichloropropane		1.3	U	0.56	6.4
2-Hexanone		13	U	6.2	25
4-Methyl-2-pentanone (MIBK)		13	U	5.5	25
4-Isopropyltoluene		1.3	U	0.62	6.4
Benzene		1.3	U	0.60	6.4
Acetone		13	U	6.8	25
Bromobenzene		1.3	U	0.62	6.4
Bromoform		1.0	U	0.29	6.4
Bromomethane		1.3	U	0.64	13
Carbon tetrachloride		1.3	U	0.80	6.4
Carbon disulfide		1.3	U	0.53	6.4
2-Chlorotoluene		1.3	U	0.65	6.4
4-Chlorotoluene		1.3	U	0.99	6.4
Chlorobenzene		1.3	U	0.69	6.4
Chlorobromomethane		1.3	U	0.38	6.4
Chlorodibromomethane		1.3	U	0.73	6.4
Chloroform		1.3	U	0.37	13
Chloroethane		1.3	U	1.1	13
Chloromethane		1.3	U	0.98	13
cis-1,2-Dichloroethene		1.3	U	0.71	6.4
cis-1,3-Dichloropropene		2.5	U	1.6	6.4
Dibromomethane		1.3	U	1.1	6.4
Dichlorobromomethane		1.0	U	0.28	6.4
Dichlorodifluoromethane		1.3	U	0.66	13
Ethylbenzene		1.3	U	0.85	6.4
Hexachlorobutadiene		1.3	U	0.70	6.4

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10 | Date Sampled: 03/27/2012 1315
Client Matrix: Solid | % Moisture: 22.2 | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Prep Method:	5030B	Prep Batch:	280-114501	Lab File ID:	G2_5395.D
Dilution:	1.0			Initial Weight/Volume:	5.047 g
Analysis Date:	04/06/2012 1236			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isopropylbenzene		1.3	U	0.75	6.4
Ethylene Dibromide		1.3	U	0.66	6.4
Methylene Chloride		4.1	U	2.0	6.4
Methyl tert-butyl ether		1.3	U	0.43	25
m-Xylene & p-Xylene		2.5	U	1.3	4.1
Naphthalene		1.3	U	0.80	6.4
n-Butylbenzene		1.3	U	0.71	6.4
N-Propylbenzene		1.3	U	0.74	6.4
o-Xylene		1.3	U	0.78	6.4
Styrene		1.3	U	0.80	6.4
sec-Butylbenzene		1.3	U	0.98	6.4
tert-Butylbenzene		1.3	U	0.64	6.4
trans-1,2-Dichloroethene		1.3	U	0.50	6.4
trans-1,3-Dichloropropene		1.3	U	0.85	6.4
Tetrachloroethene		1.3	U	0.75	6.4
Toluene		1.3	U	0.88	6.4
Trichloroethene		1.0	U	0.29	6.4
Trichlorofluoromethane		2.5	U	1.3	13
Vinyl chloride		2.5	U	1.7	6.4
1,4-Dioxane		100	U	71	640
1,1,2-Trichloro-1,2,2-trifluoroethane		25	U	0.57	25
1-Chlorohexane		1.0	U	0.80	6.4
Cyclohexane		2.0	U	0.51	6.4
Methyl acetate		5.1	U	3.5	11
Methylcyclohexane		1.0	U	0.53	6.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	115		85 - 115
1,2-Dichloroethane-d4 (Surr)	81		61 - 129
4-Bromofluorobenzene (Surr)	117		85 - 120
Dibromofluoromethane (Surr)	86		71 - 126

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4249.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0829			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0829				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
1,3,5-Trimethylbenzene	0.80	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
Acetone	7.1	J	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	1.6	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4249.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0829			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0829				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.12	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.40	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.14	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	103		85 - 115
Toluene-d8 (Surr)	107		85 - 120

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AF**

Lab Sample ID: 280-27123-12FB
Client Matrix: Water

Date Sampled: 03/27/2012 1319
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4250.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0852			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0852				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
1,3,5-Trimethylbenzene	0.80	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
Acetone	6.9	J	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	1.6	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AF**

Lab Sample ID: 280-27123-12FB
Client Matrix: Water

Date Sampled: 03/27/2012 1319
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4250.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0852			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0852				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.12	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.40	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.14	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 120
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	108		85 - 115
Toluene-d8 (Surr)	104		85 - 120

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AR**

Lab Sample ID: 280-27123-13TB
Client Matrix: Water

Date Sampled: 03/27/2012 0935
Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4251.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0916			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0916				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
1,3,5-Trimethylbenzene	0.80	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
Acetone	6.4	U	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	1.6	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **032712AR**

Lab Sample ID: 280-27123-13TB | Date Sampled: 03/27/2012 0935
Client Matrix: Water | Date Received: 03/29/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR4251.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0916			Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0916				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.12	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.40	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.14	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 120
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane (Surr)	103		85 - 115
Toluene-d8 (Surr)	104		85 - 120

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1 | Date Sampled: 03/27/2012 0955
Client Matrix: Solid | % Moisture: 35.9 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0140.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/18/2012 2150			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		51	U	78	510
1,2,4,5-Tetrachlorobenzene		100	U	76	510
1,2,4-Trichlorobenzene		51	U	44	510
1,2-Dichlorobenzene		51	U	34	510
1,2-Diphenylhydrazine		51	U	34	510
1,3-Dichlorobenzene		51	U	19	510
1,4-Dichlorobenzene		51	U	21	510
2,2'-oxybis[1-chloropropane]		51	U	36	510
2,3,4,6-Tetrachlorophenol		51	U	210	2500
2,4,5-Trichlorophenol		200	U	16	510
2,4,6-Trichlorophenol		100	U	16	510
2,4-Dichlorophenol		100	U	16	510
2,4-Dimethylphenol		200	U	100	510
2,4-Dinitrophenol		1000	U	520	2500
2,4-Dinitrotoluene		200	U	100	510
2,6-Dichlorophenol		200	U	110	510
2,6-Dinitrotoluene		100	U	44	510
2-Chloronaphthalene		51	U	16	510
2-Chlorophenol		51	U	33	510
2-Methylnaphthalene		51	U	30	510
2-Methylphenol		51	U	20	510
2-Nitroaniline		100	U	78	2500
2-Nitrophenol		100	U	16	510
3 & 4 Methylphenol		100	U	51	510
3,3'-Dichlorobenzidine		510	U	140	2500
3-Nitroaniline		210	U	110	2500
4,6-Dinitro-2-methylphenol		1000	U	510	2500
4-Bromophenyl phenyl ether		51	U	30	510
4-Chloro-3-methylphenol		200	U	100	510
4-Chloroaniline		200	U	130	510
4-Chlorophenyl phenyl ether		100	U	33	510
4-Nitroaniline		200	U	110	2500
4-Nitrophenol		510	U	150	2500
Acenaphthene		31	J	16	510
Acenaphthylene		42	J	27	510
Acetophenone		51	U	31	510
Anthracene		86	J	27	510
Atrazine		200	U	58	510
Benzaldehyde		100	U	61	510
Benzidine		6200	U	1500	6200
Benzo[a]anthracene		270	J	31	510
Benzo[a]pyrene		370	J	31	510
Benzo[b]fluoranthene		770	K	41	510
Benzo[g,h,i]perylene		280	J	25	510
Benzo[k]fluoranthene		100	U K	62	510
Benzoic acid		1000	U	510	2500

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1 | Date Sampled: 03/27/2012 0955
Client Matrix: Solid | % Moisture: 35.9 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0140.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/18/2012 2150			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		52	J	16	510
Bis(2-chloroethoxy)methane		100	U	36	510
Bis(2-chloroethyl)ether		51	U	26	510
Bis(2-ethylhexyl) phthalate		100	U	72	510
Butyl benzyl phthalate		100	U	67	510
Caprolactam		510	U	170	2500
Carbazole		100	U	56	510
Chrysene		370	J	42	510
Dibenz(a,h)anthracene		230	J	30	510
Dibenzofuran		40	J	31	510
Diethyl phthalate		51	U	41	1000
Dimethyl phthalate		51	U	36	510
Di-n-butyl phthalate		51	U	45	510
Di-n-octyl phthalate		100	U	22	510
Fluoranthene		640		56	510
Fluorene		46	J	28	510
Hexachlorobenzene		100	U	45	510
Hexachlorobutadiene		100	U	16	510
Hexachlorocyclopentadiene		100	U	78	2700
Hexachloroethane		51	U	33	510
Indeno[1,2,3-cd]pyrene		310	J	34	510
Isophorone		51	U	27	510
Naphthalene		100	U	48	510
Nitrobenzene		51	U	34	510
N-Nitrosodimethylamine		100	U	58	810
N-Nitrosodi-n-propylamine		100	U	48	510
N-Nitrosodiphenylamine		51	U	33	510
N-Nitrosopyrrolidine		200	U	100	510
Pentachlorophenol		1000	U	510	2500
Phenanthrene		470	J	27	510
Phenol		51	U	28	510
Pyrene		550	J	19	620

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	85		35 - 125
2-Fluorobiphenyl	78		45 - 105
2-Fluorophenol (Surr)	74		35 - 105
Nitrobenzene-d5 (Surr)	69		35 - 100
Phenol-d5 (Surr)	79		40 - 100
Terphenyl-d14 (Surr)	88		30 - 125

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2 | Date Sampled: 03/27/2012 1020
Client Matrix: Solid | % Moisture: 40.4 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0141.D
Dilution:	1.0			Initial Weight/Volume:	32.4 g
Analysis Date:	04/18/2012 2209			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		51	U	78	510
1,2,4,5-Tetrachlorobenzene		100	U	76	510
1,2,4-Trichlorobenzene		51	U	43	510
1,2-Dichlorobenzene		51	U	34	510
1,2-Diphenylhydrazine		51	U	34	510
1,3-Dichlorobenzene		51	U	19	510
1,4-Dichlorobenzene		51	U	21	510
2,2'-oxybis[1-chloropropane]		51	U	36	510
2,3,4,6-Tetrachlorophenol		51	U	210	2500
2,4,5-Trichlorophenol		200	U	16	510
2,4,6-Trichlorophenol		100	U	16	510
2,4-Dichlorophenol		100	U	16	510
2,4-Dimethylphenol		200	U	100	510
2,4-Dinitrophenol		1000	U	520	2500
2,4-Dinitrotoluene		200	U	100	510
2,6-Dichlorophenol		200	U	110	510
2,6-Dinitrotoluene		100	U	43	510
2-Chloronaphthalene		51	U	16	510
2-Chlorophenol		51	U	33	510
2-Methylnaphthalene		51	U	30	510
2-Methylphenol		51	U	20	510
2-Nitroaniline		100	U	78	2500
2-Nitrophenol		100	U	16	510
3 & 4 Methylphenol		100	U	51	510
3,3'-Dichlorobenzidine		510	U	140	2500
3-Nitroaniline		210	U	110	2500
4,6-Dinitro-2-methylphenol		1000	U	510	2500
4-Bromophenyl phenyl ether		51	U	30	510
4-Chloro-3-methylphenol		200	U	100	510
4-Chloroaniline		200	U	130	510
4-Chlorophenyl phenyl ether		100	U	33	510
4-Nitroaniline		200	U	110	2500
4-Nitrophenol		510	U	150	2500
Acenaphthene		40	J	16	510
Acenaphthylene		130	J	26	510
Acetophenone		51	U	31	510
Anthracene		230	J	26	510
Atrazine		200	U	57	510
Benzaldehyde		100	U	61	510
Benzidine		6100	U	1500	6200
Benzo[a]anthracene		740		31	510
Benzo[a]pyrene		890		31	510
Benzo[b]fluoranthene		2000	K	41	510
Benzo[g,h,i]perylene		860		25	510
Benzo[k]fluoranthene		100	U K	62	510
Benzoic acid		1900	J	510	2500

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2 | Date Sampled: 03/27/2012 1020
Client Matrix: Solid | % Moisture: 40.4 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0141.D
Dilution:	1.0			Initial Weight/Volume:	32.4 g
Analysis Date:	04/18/2012 2209			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		83	J	16	510
Bis(2-chloroethoxy)methane		100	U	36	510
Bis(2-chloroethyl)ether		51	U	26	510
Bis(2-ethylhexyl) phthalate		100	U	71	510
Butyl benzyl phthalate		100	U	67	510
Caprolactam		510	U	160	2500
Carbazole		170	J	56	510
Chrysene		1100		42	510
Dibenz(a,h)anthracene		360	J	30	510
Dibenzofuran		120	J	31	510
Diethyl phthalate		51	U	40	1000
Dimethyl phthalate		51	U	36	510
Di-n-butyl phthalate		51	U	45	510
Di-n-octyl phthalate		100	U	22	510
Fluoranthene		2100		56	510
Fluorene		100	J	28	510
Hexachlorobenzene		100	U	45	510
Hexachlorobutadiene		100	U	16	510
Hexachlorocyclopentadiene		100	U	78	2600
Hexachloroethane		51	U	33	510
Indeno[1,2,3-cd]pyrene		760		34	510
Isophorone		51	U	26	510
Naphthalene		100	U	48	510
Nitrobenzene		51	U	34	510
N-Nitrosodimethylamine		100	U	57	810
N-Nitrosodi-n-propylamine		100	U	48	510
N-Nitrosodiphenylamine		51	U	33	510
N-Nitrosopyrrolidine		200	U	99	510
Pentachlorophenol		1000	U	510	2500
Phenanthrene		1400		26	510
Phenol		51	U	28	510
Pyrene		1600		19	620

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	93		35 - 125
2-Fluorobiphenyl	82		45 - 105
2-Fluorophenol (Surr)	83		35 - 105
Nitrobenzene-d5 (Surr)	81		35 - 100
Phenol-d5 (Surr)	84		40 - 100
Terphenyl-d14 (Surr)	89		30 - 125

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3 | Date Sampled: 03/27/2012 1045
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0142.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/18/2012 2228			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		51	U	77	510
1,2,4,5-Tetrachlorobenzene		100	U	76	510
1,2,4-Trichlorobenzene		51	U	43	510
1,2-Dichlorobenzene		51	U	34	510
1,2-Diphenylhydrazine		51	U	34	510
1,3-Dichlorobenzene		51	U	19	510
1,4-Dichlorobenzene		51	U	21	510
2,2'-oxybis[1-chloropropane]		51	U	36	510
2,3,4,6-Tetrachlorophenol		51	U	210	2500
2,4,5-Trichlorophenol		200	U	15	510
2,4,6-Trichlorophenol		100	U	15	510
2,4-Dichlorophenol		100	U	15	510
2,4-Dimethylphenol		200	U	100	510
2,4-Dinitrophenol		1000	U	510	2500
2,4-Dinitrotoluene		200	U	100	510
2,6-Dichlorophenol		200	U	110	510
2,6-Dinitrotoluene		100	U	43	510
2-Chloronaphthalene		51	U	15	510
2-Chlorophenol		51	U	32	510
2-Methylnaphthalene		51	U	29	510
2-Methylphenol		51	U	20	510
2-Nitroaniline		100	U	77	2500
2-Nitrophenol		100	U	15	510
3 & 4 Methylphenol		100	U	51	510
3,3'-Dichlorobenzidine		510	U J	140	2500
3-Nitroaniline		210	U	110	2500
4,6-Dinitro-2-methylphenol		1000	U	510	2500
4-Bromophenyl phenyl ether		51	U	29	510
4-Chloro-3-methylphenol		200	U	100	510
4-Chloroaniline		200	U	130	510
4-Chlorophenyl phenyl ether		100	U	32	510
4-Nitroaniline		200	U J	110	2500
4-Nitrophenol		510	U	150	2500
Acenaphthene		33	J	16	510
Acenaphthylene		51	U	26	510
Acetophenone		51	U	31	510
Anthracene		91	J	26	510
Atrazine		200	U	57	510
Benzaldehyde		100	U	60	510
Benzidine		6100	U	1500	6200
Benzo[a]anthracene		190	J	31	510
Benzo[a]pyrene		250	J	31	510
Benzo[b]fluoranthene		460	J K	40	510
Benzo[g,h,i]perylene		230	J	25	510
Benzo[k]fluoranthene		100	U K	62	510
Benzoic acid		4400		510	2500

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3 | Date Sampled: 03/27/2012 1045
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0142.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	04/18/2012 2228			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		130	J	15	510
Bis(2-chloroethoxy)methane		100	U	36	510
Bis(2-chloroethyl)ether		51	U	26	510
Bis(2-ethylhexyl) phthalate		100	U	71	510
Butyl benzyl phthalate		100	U	66	510
Caprolactam		510	U	160	2500
Carbazole		100	U	56	510
Chrysene		250	J	42	510
Dibenz(a,h)anthracene		210	J	29	510
Dibenzofuran		51	U	31	510
Diethyl phthalate		51	U	40	1000
Dimethyl phthalate		51	U	36	510
Di-n-butyl phthalate		100	J	45	510
Di-n-octyl phthalate		100	U	22	510
Fluoranthene		380	J	56	510
Fluorene		49	J	28	510
Hexachlorobenzene		100	U	45	510
Hexachlorobutadiene		100	U	15	510
Hexachlorocyclopentadiene		100	U J	77	2600
Hexachloroethane		51	U	33	510
Indeno[1,2,3-cd]pyrene		190	J	34	510
Isophorone		51	U	26	510
Naphthalene		100	U	48	510
Nitrobenzene		51	U	34	510
N-Nitrosodimethylamine		100	U	57	800
N-Nitrosodi-n-propylamine		100	U	48	510
N-Nitrosodiphenylamine		51	U	32	510
N-Nitrosopyrrolidine		200	U	99	510
Pentachlorophenol		1000	U	510	2500
Phenanthrene		290	J	26	510
Phenol		51	U	28	510
Pyrene		320	J	19	620

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	96		35 - 125
2-Fluorobiphenyl	87		45 - 105
2-Fluorophenol (Surr)	85		35 - 105
Nitrobenzene-d5 (Surr)	82		35 - 100
Phenol-d5 (Surr)	89		40 - 100
Terphenyl-d14 (Surr)	97		30 - 125

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4 | Date Sampled: 03/27/2012 1120
Client Matrix: Solid | % Moisture: 32.4 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0145.D
Dilution:	4.0			Initial Weight/Volume:	30.7 g
Analysis Date:	04/18/2012 2325			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		190	U	290	1900
1,2,4,5-Tetrachlorobenzene		390	U	280	1900
1,2,4-Trichlorobenzene		190	U	160	1900
1,2-Dichlorobenzene		190	U	130	1900
1,2-Diphenylhydrazine		190	U	130	1900
1,3-Dichlorobenzene		190	U	69	1900
1,4-Dichlorobenzene		190	U	79	1900
2,2'-oxybis[1-chloropropane]		190	U	130	1900
2,3,4,6-Tetrachlorophenol		190	U	790	9200
2,4,5-Trichlorophenol		750	U	58	1900
2,4,6-Trichlorophenol		380	U	58	1900
2,4-Dichlorophenol		380	U	58	1900
2,4-Dimethylphenol		750	U	380	1900
2,4-Dinitrophenol		3900	U	1900	9200
2,4-Dinitrotoluene		750	U	380	1900
2,6-Dichlorophenol		750	U	400	1900
2,6-Dinitrotoluene		380	U	160	1900
2-Chloronaphthalene		190	U	58	1900
2-Chlorophenol		190	U	120	1900
2-Methylnaphthalene		190	U	110	1900
2-Methylphenol		190	U	75	1900
2-Nitroaniline		380	U	290	9200
2-Nitrophenol		380	U	58	1900
3 & 4 Methylphenol		380	U	190	1900
3,3'-Dichlorobenzidine		1900	U	520	9200
3-Nitroaniline		770	U	420	9200
4,6-Dinitro-2-methylphenol		3800	U	1900	9200
4-Bromophenyl phenyl ether		190	U	110	1900
4-Chloro-3-methylphenol		750	U	380	1900
4-Chloroaniline		750	U	470	1900
4-Chlorophenyl phenyl ether		380	U	120	1900
4-Nitroaniline		750	U	420	9200
4-Nitrophenol		1900	U	560	9200
Acenaphthene		98	U	60	1900
Acenaphthylene		190	U	98	1900
Acetophenone		190	U	120	1900
Anthracene		190	U	98	1900
Atrazine		750	U	210	1900
Benzaldehyde		390	U	230	1900
Benzidine		23000	U	5700	23000
Benzo[a]anthracene		190	U	120	1900
Benzo[a]pyrene		190	U	120	1900
Benzo[b]fluoranthene		640	J K	150	1900
Benzo[g,h,i]perylene		190	U	92	1900
Benzo[k]fluoranthene		380	U K	230	1900
Benzoic acid		3800	U	1900	9200

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4 | Date Sampled: 03/27/2012 1120
Client Matrix: Solid | % Moisture: 32.4 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0145.D
Dilution:	4.0			Initial Weight/Volume:	30.7 g
Analysis Date:	04/18/2012 2325			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		100	J	58	1900
Bis(2-chloroethoxy)methane		380	U	130	1900
Bis(2-chloroethyl)ether		190	U	96	1900
Bis(2-ethylhexyl) phthalate		380	U	270	1900
Butyl benzyl phthalate		380	U	250	1900
Caprolactam		1900	U	610	9200
Carbazole		390	U	210	1900
Chrysene		190	U	160	1900
Dibenz(a,h)anthracene		190	U	110	1900
Dibenzofuran		190	U	120	1900
Diethyl phthalate		190	U	150	3800
Dimethyl phthalate		190	U	130	1900
Di-n-butyl phthalate		290	J	170	1900
Di-n-octyl phthalate		380	U	83	1900
Fluoranthene		380	U	210	1900
Fluorene		190	U	100	1900
Hexachlorobenzene		380	U	170	1900
Hexachlorobutadiene		380	U	58	1900
Hexachlorocyclopentadiene		380	U	290	9800
Hexachloroethane		190	U	120	1900
Indeno[1,2,3-cd]pyrene		190	U	130	1900
Isophorone		190	U	98	1900
Naphthalene		380	U	180	1900
Nitrobenzene		190	U	130	1900
N-Nitrosodimethylamine		380	U	210	3000
N-Nitrosodi-n-propylamine		380	U	180	1900
N-Nitrosodiphenylamine		190	U	120	1900
N-Nitrosopyrrolidine		750	U	370	1900
Pentachlorophenol		3900	U	1900	9200
Phenanthrene		190	U	98	1900
Phenol		190	U	100	1900
Pyrene		88	J	70	2300

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	84	D	35 - 125
2-Fluorobiphenyl	69	D	45 - 105
2-Fluorophenol (Surr)	69	D	35 - 105
Nitrobenzene-d5 (Surr)	67	D	35 - 100
Phenol-d5 (Surr)	71	D	40 - 100
Terphenyl-d14 (Surr)	74	D	30 - 125

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5 | Date Sampled: 03/27/2012 1150
Client Matrix: Solid | % Moisture: 36.0 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0146.D
Dilution:	4.0			Initial Weight/Volume:	30.7 g
Analysis Date:	04/18/2012 2344			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		200	U	310	2000
1,2,4,5-Tetrachlorobenzene		410	U	300	2000
1,2,4-Trichlorobenzene		200	U	170	2000
1,2-Dichlorobenzene		200	U	130	2000
1,2-Diphenylhydrazine		200	U	130	2000
1,3-Dichlorobenzene		200	U	73	2000
1,4-Dichlorobenzene		200	U	83	2000
2,2'-oxybis[1-chloropropane]		200	U	140	2000
2,3,4,6-Tetrachlorophenol		200	U	840	9800
2,4,5-Trichlorophenol		790	U	61	2000
2,4,6-Trichlorophenol		400	U	61	2000
2,4-Dichlorophenol		400	U	61	2000
2,4-Dimethylphenol		790	U	400	2000
2,4-Dinitrophenol		4100	U	2000	9800
2,4-Dinitrotoluene		790	U	400	2000
2,6-Dichlorophenol		790	U	420	2000
2,6-Dinitrotoluene		400	U	170	2000
2-Chloronaphthalene		200	U	61	2000
2-Chlorophenol		200	U	130	2000
2-Methylnaphthalene		200	U	120	2000
2-Methylphenol		200	U	79	2000
2-Nitroaniline		400	U	310	9800
2-Nitrophenol		400	U	61	2000
3 & 4 Methylphenol		400	U	200	2000
3,3'-Dichlorobenzidine		2000	U	550	9800
3-Nitroaniline		810	U	450	9800
4,6-Dinitro-2-methylphenol		4000	U	2000	9800
4-Bromophenyl phenyl ether		200	U	120	2000
4-Chloro-3-methylphenol		790	U	400	2000
4-Chloroaniline		790	U	500	2000
4-Chlorophenyl phenyl ether		400	U	130	2000
4-Nitroaniline		790	U	440	9800
4-Nitrophenol		2000	U	590	9800
Acenaphthene		100	U	63	2000
Acenaphthylene		200	U	100	2000
Acetophenone		200	U	120	2000
Anthracene		110	J	100	2000
Atrazine		790	U	230	2000
Benzaldehyde		410	U	240	2000
Benzidine		24000	U	6000	24000
Benzo[a]anthracene		350	J	120	2000
Benzo[a]pyrene		660	J	120	2000
Benzo[b]fluoranthene		3000	K	160	2000
Benzo[g,h,i]perylene		1300	J	98	2000
Benzo[k]fluoranthene		400	U K	240	2000
Benzoic acid		4000	U	2000	9800

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5 | Date Sampled: 03/27/2012 1150
Client Matrix: Solid | % Moisture: 36.0 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0146.D
Dilution:	4.0			Initial Weight/Volume:	30.7 g
Analysis Date:	04/18/2012 2344			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		200	U	61	2000
Bis(2-chloroethoxy)methane		400	U	140	2000
Bis(2-chloroethyl)ether		200	U	100	2000
Bis(2-ethylhexyl) phthalate		400	U	280	2000
Butyl benzyl phthalate		400	U	260	2000
Caprolactam		2000	U	650	9800
Carbazole		410	U	220	2000
Chrysene		920	J	160	2000
Dibenz(a,h)anthracene		920	J	120	2000
Dibenzofuran		200	U	120	2000
Diethyl phthalate		200	U	160	4000
Dimethyl phthalate		200	U	140	2000
Di-n-butyl phthalate		200	U	180	2000
Di-n-octyl phthalate		400	U	88	2000
Fluoranthene		340	J	220	2000
Fluorene		200	U	110	2000
Hexachlorobenzene		400	U	180	2000
Hexachlorobutadiene		400	U	61	2000
Hexachlorocyclopentadiene		400	U	310	10000
Hexachloroethane		200	U	130	2000
Indeno[1,2,3-cd]pyrene		1300	J	130	2000
Isophorone		200	U	100	2000
Naphthalene		400	U	190	2000
Nitrobenzene		200	U	130	2000
N-Nitrosodimethylamine		400	U	230	3200
N-Nitrosodi-n-propylamine		400	U	190	2000
N-Nitrosodiphenylamine		200	U	130	2000
N-Nitrosopyrrolidine		790	U	390	2000
Pentachlorophenol		4100	U	2000	9800
Phenanthrene		150	J	100	2000
Phenol		200	U	110	2000
Pyrene		370	J	74	2400

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	93	D	35 - 125
2-Fluorobiphenyl	76	D	45 - 105
2-Fluorophenol (Surr)	77	D	35 - 105
Nitrobenzene-d5 (Surr)	77	D	35 - 100
Phenol-d5 (Surr)	78	D	40 - 100
Terphenyl-d14 (Surr)	81	D	30 - 125

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6 | Date Sampled: 03/27/2012 1200
Client Matrix: Solid | % Moisture: 16.8 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0147.D
Dilution:	1.0			Initial Weight/Volume:	32.3 g
Analysis Date:	04/19/2012 0002			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		37	U	56	370
1,2,4,5-Tetrachlorobenzene		75	U	55	370
1,2,4-Trichlorobenzene		37	U	31	370
1,2-Dichlorobenzene		37	U	25	370
1,2-Diphenylhydrazine		37	U	25	370
1,3-Dichlorobenzene		37	U	13	370
1,4-Dichlorobenzene		37	U	15	370
2,2'-oxybis[1-chloropropane]		37	U	26	370
2,3,4,6-Tetrachlorophenol		37	U	150	1800
2,4,5-Trichlorophenol		150	U	11	370
2,4,6-Trichlorophenol		74	U	11	370
2,4-Dichlorophenol		74	U	11	370
2,4-Dimethylphenol		150	U	74	370
2,4-Dinitrophenol		750	U	370	1800
2,4-Dinitrotoluene		150	U	74	370
2,6-Dichlorophenol		150	U	77	370
2,6-Dinitrotoluene		74	U	31	370
2-Chloronaphthalene		37	U	11	370
2-Chlorophenol		37	U	23	370
2-Methylnaphthalene		37	U	21	370
2-Methylphenol		37	U	15	370
2-Nitroaniline		74	U	56	1800
2-Nitrophenol		74	U	11	370
3 & 4 Methylphenol		74	U	37	370
3,3'-Dichlorobenzidine		370	U	100	1800
3-Nitroaniline		150	U	82	1800
4,6-Dinitro-2-methylphenol		740	U	370	1800
4-Bromophenyl phenyl ether		37	U	21	370
4-Chloro-3-methylphenol		150	U	74	370
4-Chloroaniline		150	U	91	370
4-Chlorophenyl phenyl ether		74	U	23	370
4-Nitroaniline		150	U	81	1800
4-Nitrophenol		370	U	110	1800
Acenaphthene		19	U	11	370
Acenaphthylene		37	U	19	370
Acetophenone		37	U	22	370
Anthracene		37	U	19	370
Atrazine		150	U	41	370
Benzaldehyde		75	U	44	370
Benzidine		4400	U	1100	4500
Benzo[a]anthracene		37	U	22	370
Benzo[a]pyrene		71	J	22	370
Benzo[b]fluoranthene		160	J K	29	370
Benzo[g,h,i]perylene		34	J	18	370
Benzo[k]fluoranthene		74	U K	45	370
Benzoic acid		740	U	370	1800

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6 | Date Sampled: 03/27/2012 1200
Client Matrix: Solid | % Moisture: 16.8 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0147.D
Dilution:	1.0			Initial Weight/Volume:	32.3 g
Analysis Date:	04/19/2012 0002			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		17	J	11	370
Bis(2-chloroethoxy)methane		74	U	26	370
Bis(2-chloroethyl)ether		37	U	19	370
Bis(2-ethylhexyl) phthalate		99	J	51	370
Butyl benzyl phthalate		74	U	48	370
Caprolactam		370	U	120	1800
Carbazole		75	U	40	370
Chrysene		37	U	30	370
Dibenz(a,h)anthracene		37	U	21	370
Dibenzofuran		37	U	22	370
Diethyl phthalate		37	U	29	740
Dimethyl phthalate		37	U	26	370
Di-n-butyl phthalate		37	U	32	370
Di-n-octyl phthalate		74	U	16	370
Fluoranthene		74	U	40	370
Fluorene		37	U	20	370
Hexachlorobenzene		74	U	32	370
Hexachlorobutadiene		74	U	11	370
Hexachlorocyclopentadiene		74	U	56	1900
Hexachloroethane		37	U	24	370
Indeno[1,2,3-cd]pyrene		83	J	25	370
Isophorone		37	U	19	370
Naphthalene		74	U	35	370
Nitrobenzene		37	U	25	370
N-Nitrosodimethylamine		74	U	41	580
N-Nitrosodi-n-propylamine		74	U	35	370
N-Nitrosodiphenylamine		37	U	23	370
N-Nitrosopyrrolidine		150	U	71	370
Pentachlorophenol		750	U	370	1800
Phenanthrene		37	U	19	370
Phenol		37	U	20	370
Pyrene		37	U	14	450

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	99		35 - 125
2-Fluorobiphenyl	71		45 - 105
2-Fluorophenol (Surr)	71		35 - 105
Nitrobenzene-d5 (Surr)	70		35 - 100
Phenol-d5 (Surr)	73		40 - 100
Terphenyl-d14 (Surr)	100		30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7
Client Matrix: Solid
% Moisture: 35.3
Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0148.D
Dilution:	4.0			Initial Weight/Volume:	30.9 g
Analysis Date:	04/19/2012 0021			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		200	U	300	2000
1,2,4,5-Tetrachlorobenzene		400	U	290	2000
1,2,4-Trichlorobenzene		200	U	170	2000
1,2-Dichlorobenzene		200	U	130	2000
1,2-Diphenylhydrazine		200	U	130	2000
1,3-Dichlorobenzene		200	U	72	2000
1,4-Dichlorobenzene		200	U	82	2000
2,2'-oxybis[1-chloropropane]		200	U	140	2000
2,3,4,6-Tetrachlorophenol		200	U	820	9600
2,4,5-Trichlorophenol		780	U	60	2000
2,4,6-Trichlorophenol		400	U	60	2000
2,4-Dichlorophenol		400	U	60	2000
2,4-Dimethylphenol		780	U	400	2000
2,4-Dinitrophenol		4000	U	2000	9600
2,4-Dinitrotoluene		780	U	400	2000
2,6-Dichlorophenol		780	U	410	2000
2,6-Dinitrotoluene		400	U	170	2000
2-Chloronaphthalene		200	U	60	2000
2-Chlorophenol		200	U	130	2000
2-Methylnaphthalene		910	J	110	2000
2-Methylphenol		200	U	78	2000
2-Nitroaniline		400	U	300	9600
2-Nitrophenol		400	U	60	2000
3 & 4 Methylphenol		210	J	200	2000
3,3'-Dichlorobenzidine		2000	U	540	9600
3-Nitroaniline		800	U	440	9600
4,6-Dinitro-2-methylphenol		4000	U	2000	9600
4-Bromophenyl phenyl ether		200	U	110	2000
4-Chloro-3-methylphenol		780	U	400	2000
4-Chloroaniline		780	U	490	2000
4-Chlorophenyl phenyl ether		400	U	130	2000
4-Nitroaniline		780	U	440	9600
4-Nitrophenol		2000	U	580	9600
Acenaphthene		1300	J	62	2000
Acenaphthylene		200	U	100	2000
Acetophenone		200	U	120	2000
Anthracene		2900		100	2000
Atrazine		780	U	220	2000
Benzaldehyde		400	U	230	2000
Benzidine		24000	U	5900	24000
Benzo[a]anthracene		3200		120	2000
Benzo[a]pyrene		2300		120	2000
Benzo[b]fluoranthene		3800	K	160	2000
Benzo[g,h,i]perylene		1200	J	96	2000
Benzo[k]fluoranthene		400	U K	240	2000
Benzoic acid		4000	U	2000	9600

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7 | Date Sampled: 03/27/2012 1215
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0148.D
Dilution:	4.0			Initial Weight/Volume:	30.9 g
Analysis Date:	04/19/2012 0021			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		200	U	60	2000
Bis(2-chloroethoxy)methane		400	U	140	2000
Bis(2-chloroethyl)ether		200	U	100	2000
Bis(2-ethylhexyl) phthalate		540	J	280	2000
Butyl benzyl phthalate		400	U	260	2000
Caprolactam		2000	U	640	9600
Carbazole		1400	J	220	2000
Chrysene		2900		160	2000
Dibenz(a,h)anthracene		970	J	110	2000
Dibenzofuran		1600	J	120	2000
Diethyl phthalate		200	U	160	4000
Dimethyl phthalate		200	U	140	2000
Di-n-butyl phthalate		200	U	170	2000
Di-n-octyl phthalate		400	U	86	2000
Fluoranthene		7500		220	2000
Fluorene		1800	J	110	2000
Hexachlorobenzene		400	U	170	2000
Hexachlorobutadiene		400	U	60	2000
Hexachlorocyclopentadiene		400	U	300	10000
Hexachloroethane		200	U	130	2000
Indeno[1,2,3-cd]pyrene		1300	J	130	2000
Isophorone		200	U	100	2000
Naphthalene		2100		190	2000
Nitrobenzene		200	U	130	2000
N-Nitrosodimethylamine		400	U	220	3100
N-Nitrosodi-n-propylamine		400	U	190	2000
N-Nitrosodiphenylamine		200	U	130	2000
N-Nitrosopyrrolidine		780	U	380	2000
Pentachlorophenol		4000	U	2000	9600
Phenanthrene		10000		100	2000
Phenol		130	J	110	2000
Pyrene		5900		73	2400

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	96	D	35 - 125
2-Fluorobiphenyl	78	D	45 - 105
2-Fluorophenol (Surr)	77	D	35 - 105
Nitrobenzene-d5 (Surr)	74	D	35 - 100
Phenol-d5 (Surr)	82	D	40 - 100
Terphenyl-d14 (Surr)	85	D	30 - 125

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8 | Date Sampled: 03/27/2012 1245
Client Matrix: Solid | % Moisture: 14.1 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0149.D
Dilution:	1.0			Initial Weight/Volume:	32.8 g
Analysis Date:	04/19/2012 0040			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		35	U	53	350
1,2,4,5-Tetrachlorobenzene		71	U	52	350
1,2,4-Trichlorobenzene		35	U	30	350
1,2-Dichlorobenzene		35	U	23	350
1,2-Diphenylhydrazine		35	U	23	350
1,3-Dichlorobenzene		35	U	13	350
1,4-Dichlorobenzene		35	U	14	350
2,2'-oxybis[1-chloropropane]		35	U	24	350
2,3,4,6-Tetrachlorophenol		35	U	150	1700
2,4,5-Trichlorophenol		140	U	11	350
2,4,6-Trichlorophenol		70	U	11	350
2,4-Dichlorophenol		70	U	11	350
2,4-Dimethylphenol		140	U	70	350
2,4-Dinitrophenol		710	U	350	1700
2,4-Dinitrotoluene		140	U	70	350
2,6-Dichlorophenol		140	U	73	350
2,6-Dinitrotoluene		70	U	30	350
2-Chloronaphthalene		35	U	11	350
2-Chlorophenol		35	U	22	350
2-Methylnaphthalene		35	U	20	350
2-Methylphenol		35	U	14	350
2-Nitroaniline		70	U	53	1700
2-Nitrophenol		70	U	11	350
3 & 4 Methylphenol		70	U	35	350
3,3'-Dichlorobenzidine		350	U	96	1700
3-Nitroaniline		140	U	78	1700
4,6-Dinitro-2-methylphenol		700	U	350	1700
4-Bromophenyl phenyl ether		35	U	20	350
4-Chloro-3-methylphenol		140	U	70	350
4-Chloroaniline		140	U	87	350
4-Chlorophenyl phenyl ether		70	U	22	350
4-Nitroaniline		140	U	77	1700
4-Nitrophenol		350	U	100	1700
Acenaphthene		32	J	11	350
Acenaphthylene		35	U	18	350
Acetophenone		35	U	21	350
Anthracene		93	J	18	350
Atrazine		140	U	39	350
Benzaldehyde		71	U	42	350
Benzidine		4200	U	1100	4300
Benzo[a]anthracene		210	J	21	350
Benzo[a]pyrene		200	J	21	350
Benzo[b]fluoranthene		340	J K	28	350
Benzo[g,h,i]perylene		89	J	17	350
Benzo[k]fluoranthene		70	U K	43	350
Benzoic acid		700	U	350	1700

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8 | Date Sampled: 03/27/2012 1245
Client Matrix: Solid | % Moisture: 14.1 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0149.D
Dilution:	1.0			Initial Weight/Volume:	32.8 g
Analysis Date:	04/19/2012 0040			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		24	J	11	350
Bis(2-chloroethoxy)methane		70	U	24	350
Bis(2-chloroethyl)ether		35	U	18	350
Bis(2-ethylhexyl) phthalate		100	J	49	350
Butyl benzyl phthalate		70	U	46	350
Caprolactam		350	U	110	1700
Carbazole		56	J	38	350
Chrysene		200	J	29	350
Dibenz(a,h)anthracene		140	J	20	350
Dibenzofuran		36	J	21	350
Diethyl phthalate		35	U	28	700
Dimethyl phthalate		35	U	24	350
Di-n-butyl phthalate		35	U	31	350
Di-n-octyl phthalate		70	U	15	350
Fluoranthene		380		38	350
Fluorene		38	J	19	350
Hexachlorobenzene		70	U	31	350
Hexachlorobutadiene		70	U	11	350
Hexachlorocyclopentadiene		70	U	53	1800
Hexachloroethane		35	U	23	350
Indeno[1,2,3-cd]pyrene		120	J	23	350
Isophorone		35	U	18	350
Naphthalene		70	U	33	350
Nitrobenzene		35	U	23	350
N-Nitrosodimethylamine		70	U	39	550
N-Nitrosodi-n-propylamine		70	U	33	350
N-Nitrosodiphenylamine		35	U	22	350
N-Nitrosopyrrolidine		140	U	68	350
Pentachlorophenol		710	U	350	1700
Phenanthrene		320	J	18	350
Phenol		35	U	19	350
Pyrene		320	J	13	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	103		35 - 125
2-Fluorobiphenyl	83		45 - 105
2-Fluorophenol (Surr)	81		35 - 105
Nitrobenzene-d5 (Surr)	75		35 - 100
Phenol-d5 (Surr)	87		40 - 100
Terphenyl-d14 (Surr)	104		30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9
Client Matrix: Solid
% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0150.D
Dilution:	1.0			Initial Weight/Volume:	31.3 g
Analysis Date:	04/19/2012 0059			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		45	U	68	450
1,2,4,5-Tetrachlorobenzene		91	U	67	450
1,2,4-Trichlorobenzene		45	U	38	450
1,2-Dichlorobenzene		45	U	30	450
1,2-Diphenylhydrazine		45	U	30	450
1,3-Dichlorobenzene		45	U	16	450
1,4-Dichlorobenzene		45	U	19	450
2,2'-oxybis[1-chloropropane]		45	U	31	450
2,3,4,6-Tetrachlorophenol		45	U	190	2200
2,4,5-Trichlorophenol		180	U	14	450
2,4,6-Trichlorophenol		90	U	14	450
2,4-Dichlorophenol		90	U	14	450
2,4-Dimethylphenol		180	U	90	450
2,4-Dinitrophenol		910	U	450	2200
2,4-Dinitrotoluene		180	U	90	450
2,6-Dichlorophenol		180	U	94	450
2,6-Dinitrotoluene		90	U	38	450
2-Chloronaphthalene		45	U	14	450
2-Chlorophenol		45	U	29	450
2-Methylnaphthalene		45	U	26	450
2-Methylphenol		45	U	18	450
2-Nitroaniline		90	U	68	2200
2-Nitrophenol		90	U	14	450
3 & 4 Methylphenol		90	U	45	450
3,3'-Dichlorobenzidine		450	U	120	2200
3-Nitroaniline		180	U	99	2200
4,6-Dinitro-2-methylphenol		900	U	450	2200
4-Bromophenyl phenyl ether		45	U	26	450
4-Chloro-3-methylphenol		180	U	90	450
4-Chloroaniline		180	U	110	450
4-Chlorophenyl phenyl ether		90	U	29	450
4-Nitroaniline		180	U	99	2200
4-Nitrophenol		450	U	130	2200
Acenaphthene		23	U	14	450
Acenaphthylene		45	U	23	450
Acetophenone		45	U	27	450
Anthracene		44	J	23	450
Atrazine		180	U	50	450
Benzaldehyde		91	U	53	450
Benzidine		5400	U	1300	5400
Benzo[a]anthracene		64	J	27	450
Benzo[a]pyrene		140	J	27	450
Benzo[b]fluoranthene		740	K	36	450
Benzo[g,h,i]perylene		400	J	22	450
Benzo[k]fluoranthene		90	U K	54	450
Benzoic acid		900	U	450	2200

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9
Client Matrix: Solid
% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0150.D
Dilution:	1.0			Initial Weight/Volume:	31.3 g
Analysis Date:	04/19/2012 0059			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		40	J	14	450
Bis(2-chloroethoxy)methane		90	U	31	450
Bis(2-chloroethyl)ether		45	U	23	450
Bis(2-ethylhexyl) phthalate		90	U	63	450
Butyl benzyl phthalate		130	J	59	450
Caprolactam		450	U	140	2200
Carbazole		91	U	49	450
Chrysene		280	J	37	450
Dibenz(a,h)anthracene		210	J	26	450
Dibenzofuran		45	U	27	450
Diethyl phthalate		45	U	35	900
Dimethyl phthalate		45	U	31	450
Di-n-butyl phthalate		900		40	450
Di-n-octyl phthalate		90	U	20	450
Fluoranthene		110	J	49	450
Fluorene		45	U	25	450
Hexachlorobenzene		90	U	40	450
Hexachlorobutadiene		90	U	14	450
Hexachlorocyclopentadiene		90	U	68	2300
Hexachloroethane		45	U	29	450
Indeno[1,2,3-cd]pyrene		330	J	30	450
Isophorone		45	U	23	450
Naphthalene		90	U	42	450
Nitrobenzene		45	U	30	450
N-Nitrosodimethylamine		90	U	50	710
N-Nitrosodi-n-propylamine		90	U	42	450
N-Nitrosodiphenylamine		45	U	29	450
N-Nitrosopyrrolidine		180	U	87	450
Pentachlorophenol		910	U	450	2200
Phenanthrene		74	J	23	450
Phenol		45	U	25	450
Pyrene		95	J	16	540

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	91		35 - 125
2-Fluorobiphenyl	80		45 - 105
2-Fluorophenol (Surr)	82		35 - 105
Nitrobenzene-d5 (Surr)	77		35 - 100
Phenol-d5 (Surr)	85		40 - 100
Terphenyl-d14 (Surr)	90		30 - 125

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10 | Date Sampled: 03/27/2012 1315
Client Matrix: Solid | % Moisture: 22.2 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0151.D
Dilution:	1.0			Initial Weight/Volume:	30.6 g
Analysis Date:	04/19/2012 0118			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		42	U	63	420
1,2,4,5-Tetrachlorobenzene		84	U	62	420
1,2,4-Trichlorobenzene		42	U	35	420
1,2-Dichlorobenzene		42	U	28	420
1,2-Diphenylhydrazine		42	U	28	420
1,3-Dichlorobenzene		42	U	15	420
1,4-Dichlorobenzene		42	U	17	420
2,2'-oxybis[1-chloropropane]		42	U	29	420
2,3,4,6-Tetrachlorophenol		42	U	170	2000
2,4,5-Trichlorophenol		160	U	13	420
2,4,6-Trichlorophenol		83	U	13	420
2,4-Dichlorophenol		83	U	13	420
2,4-Dimethylphenol		160	U	83	420
2,4-Dinitrophenol		840	U	420	2000
2,4-Dinitrotoluene		160	U	83	420
2,6-Dichlorophenol		160	U	87	420
2,6-Dinitrotoluene		83	U	35	420
2-Chloronaphthalene		42	U	13	420
2-Chlorophenol		42	U	26	420
2-Methylnaphthalene		42	U	24	420
2-Methylphenol		42	U	16	420
2-Nitroaniline		83	U	63	2000
2-Nitrophenol		83	U	13	420
3 & 4 Methylphenol		83	U	42	420
3,3'-Dichlorobenzidine		420	U	110	2000
3-Nitroaniline		170	U	92	2000
4,6-Dinitro-2-methylphenol		830	U	420	2000
4-Bromophenyl phenyl ether		42	U	24	420
4-Chloro-3-methylphenol		160	U	83	420
4-Chloroaniline		160	U	100	420
4-Chlorophenyl phenyl ether		83	U	26	420
4-Nitroaniline		160	U	91	2000
4-Nitrophenol		420	U	120	2000
Acenaphthene		21	U	13	420
Acenaphthylene		42	U	21	420
Acetophenone		42	U	25	420
Anthracene		42	U	21	420
Atrazine		160	U	47	420
Benzaldehyde		84	U	49	420
Benzidine		5000	U	1200	5000
Benzo[a]anthracene		42	U	25	420
Benzo[a]pyrene		42	U	25	420
Benzo[b]fluoranthene		130	J K	33	420
Benzo[g,h,i]perylene		42	U	20	420
Benzo[k]fluoranthene		83	U K	50	420
Benzoic acid		830	U	420	2000

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10 | Date Sampled: 03/27/2012 1315
Client Matrix: Solid | % Moisture: 22.2 | Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3550C	Prep Batch:	280-113829	Lab File ID:	D0151.D
Dilution:	1.0			Initial Weight/Volume:	30.6 g
Analysis Date:	04/19/2012 0118			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		26	J	13	420
Bis(2-chloroethoxy)methane		83	U	29	420
Bis(2-chloroethyl)ether		42	U	21	420
Bis(2-ethylhexyl) phthalate		110	J	58	420
Butyl benzyl phthalate		83	U	54	420
Caprolactam		420	U	130	2000
Carbazole		84	U	45	420
Chrysene		42	U	34	420
Dibenz(a,h)anthracene		42	U	24	420
Dibenzofuran		42	U	25	420
Diethyl phthalate		42	U	33	830
Dimethyl phthalate		42	U	29	420
Di-n-butyl phthalate		42	U	37	420
Di-n-octyl phthalate		83	U	18	420
Fluoranthene		83	U	45	420
Fluorene		42	U	23	420
Hexachlorobenzene		83	U	37	420
Hexachlorobutadiene		83	U	13	420
Hexachlorocyclopentadiene		83	U	63	2100
Hexachloroethane		42	U	27	420
Indeno[1,2,3-cd]pyrene		42	U	28	420
Isophorone		42	U	21	420
Naphthalene		83	U	39	420
Nitrobenzene		42	U	28	420
N-Nitrosodimethylamine		83	U	47	660
N-Nitrosodi-n-propylamine		83	U	39	420
N-Nitrosodiphenylamine		42	U	26	420
N-Nitrosopyrrolidine		160	U	81	420
Pentachlorophenol		840	U	420	2000
Phenanthrene		42	U	21	420
Phenol		42	U	23	420
Pyrene		42	U	15	500

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	82		35 - 125
2-Fluorobiphenyl	65		45 - 105
2-Fluorophenol (Surr)	69		35 - 105
Nitrobenzene-d5 (Surr)	63		35 - 100
Phenol-d5 (Surr)	68		40 - 100
Terphenyl-d14 (Surr)	82		30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3520C	Prep Batch:	280-114056	Lab File ID:	D0126.D
Dilution:	1.0			Initial Weight/Volume:	1022.3 mL
Analysis Date:	04/18/2012 1724			Final Weight/Volume:	1000 uL
Prep Date:	04/03/2012 1145			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1'-Biphenyl	2.0	U	1.7	9.8
1,2,4,5-Tetrachlorobenzene	2.0	U	1.7	9.8
1,2,4-Trichlorobenzene	0.98	U	0.27	9.8
1,2-Dichlorobenzene	0.98	U	0.22	9.8
1,2-Diphenylhydrazine	0.98	U	0.22	9.8
1,3-Dichlorobenzene	0.98	U	0.29	9.8
1,4-Dichlorobenzene	0.98	U	0.31	9.8
2,2'-oxybis[1-chloropropane]	0.98	U	0.27	9.8
2,3,4,6-Tetrachlorophenol	2.0	U	2.0	49
2,4,5-Trichlorophenol	0.98	U	0.44	20
2,4,6-Trichlorophenol	0.98	U	0.28	20
2,4-Dichlorophenol	2.0	U	0.63	9.8
2,4-Dimethylphenol	3.9	U	0.57	9.8
2,4-Dinitrophenol	20	U	9.8	78
2,4-Dinitrotoluene	3.9	U	1.6	20
2,6-Dichlorophenol	3.9	U	1.3	9.8
2,6-Dinitrotoluene	3.9	U	1.8	20
2-Chloronaphthalene	0.98	U	0.25	9.8
2-Chlorophenol	3.9	U	2.0	9.8
2-Methylnaphthalene	0.98	U	0.28	9.8
2-Methylphenol	3.9	U	0.96	9.8
2-Nitroaniline	3.9	U	1.7	49
2-Nitrophenol	0.98	U	0.38	20
3 & 4 Methylphenol	0.98	U	0.24	20
3,3'-Dichlorobenzidine	9.8	U	2.0	49
3-Nitroaniline	2.0	U	2.0	49
4,6-Dinitro-2-methylphenol	9.8	U	3.9	78
4-Bromophenyl phenyl ether	0.98	U	0.42	9.8
4-Chloro-3-methylphenol	4.9	U	2.4	20
4-Chloroaniline	4.9	U	2.1	24
4-Chlorophenyl phenyl ether	3.9	U	1.6	9.8
4-Nitroaniline	3.9	U	2.0	49
4-Nitrophenol	9.8	U	1.2	49
Acenaphthene	0.98	U	0.27	9.8
Acenaphthylene	0.98	U	0.48	9.8
Acetophenone	0.24	J	0.23	9.8
Anthracene	0.98	U	0.41	9.8
Atrazine	9.8	U	0.71	49
Benzaldehyde	2.0	U	2.0	9.8
Benzidine	98	U	49	200
Benzo[a]anthracene	0.98	U	0.34	9.8
Benzo[a]pyrene	0.98	U	0.30	9.8
Benzo[b]fluoranthene	0.98	U	0.52	9.8
Benzo[g,h,i]perylene	0.98	U	0.49	9.8
Benzo[k]fluoranthene	0.98	U	0.45	9.8
Benzoic acid	49	U	9.8	78

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Prep Method:	3520C	Prep Batch:	280-114056	Lab File ID:	D0126.D
Dilution:	1.0			Initial Weight/Volume:	1022.3 mL
Analysis Date:	04/18/2012 1724			Final Weight/Volume:	1000 uL
Prep Date:	04/03/2012 1145			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Benzyl alcohol	0.98	U	0.22	24
Bis(2-chloroethoxy)methane	3.9	U	0.95	9.8
Bis(2-chloroethyl)ether	0.98	U	0.40	20
Bis(2-ethylhexyl) phthalate	0.98	U	0.55	9.8
Butyl benzyl phthalate	3.9	U	0.98	20
Caprolactam	9.8	U	4.9	34
Carbazole	0.98	U	0.42	9.8
Chrysene	0.98	U	0.53	9.8
Dibenz(a,h)anthracene	0.98	U	0.50	9.8
Dibenzofuran	0.98	U	0.28	9.8
Diethyl phthalate	0.98	U	0.37	20
Dimethyl phthalate	0.98	U	0.21	20
Di-n-butyl phthalate	3.9	U	1.1	20
Di-n-octyl phthalate	0.98	U	0.34	20
Fluoranthene	0.98	U	0.20	20
Fluorene	0.98	U	0.30	9.8
Hexachlorobenzene	0.98	U	0.65	9.8
Hexachlorobutadiene	9.8	U	3.2	29
Hexachlorocyclopentadiene	20	U	1.5	49
Hexachloroethane	3.9	U	2.1	9.8
Indeno[1,2,3-cd]pyrene	0.98	U	0.64	9.8
Isophorone	0.98	U	0.21	9.8
Naphthalene	0.98	U	0.28	9.8
Nitrobenzene	2.0	U	0.79	20
N-Nitrosodimethylamine	0.98	U	0.28	9.8
N-Nitrosodi-n-propylamine	0.98	U	0.34	20
N-Nitrosodiphenylamine	0.98	U	0.43	9.8
N-Nitrosopyrrolidine	3.9	U	0.79	9.8
Pentachlorophenol	39	U	20	78
Phenanthrene	0.98	U	0.25	9.8
Phenol	4.9	U	2.0	9.8
Pyrene	0.98	U	0.36	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	85		40 - 125
2-Fluorobiphenyl	84		50 - 110
2-Fluorophenol (Surr)	88		20 - 110
Nitrobenzene-d5 (Surr)	87		40 - 110
Phenol-d5 (Surr)	91		10 - 115
Terphenyl-d14 (Surr)	111		50 - 135

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1 | Date Sampled: 03/27/2012 0955
Client Matrix: Solid | % Moisture: 35.9 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 1938			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		2.0	J Q	0.84	2.6
4,4'-DDE		13	Q	0.36	2.6
Aldrin		0.71	U Q	0.38	2.6
alpha-BHC		0.71	U Q	0.33	2.6
beta-BHC		1.1	U Q	1.0	2.6
delta-BHC		1.1	U Q	0.61	2.6
gamma-BHC (Lindane)		1.1	U Q	0.71	2.6
Heptachlor		0.71	U Q	0.33	2.6
Heptachlor epoxide		1.1	U Q	0.65	2.6
Endosulfan I		0.71	U Q	0.27	2.6
Endosulfan II		0.71	U Q	0.44	2.6
Endosulfan sulfate		0.71	U Q	0.42	2.6
Endrin		0.71	U Q	0.47	2.6
Endrin aldehyde		0.71	U Q	0.26	2.6
Endrin ketone		1.1	U Q	0.75	2.6
gamma-Chlordane		1.1	U Q	0.41	2.6
Methoxychlor		2.6	J Q	0.69	5.1
alpha-Chlordane		0.71	U Q	0.50	2.6
Dieldrin		0.74	J Q	0.32	2.6

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		70 - 125
DCB Decachlorobiphenyl	1361	J Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1
Client Matrix: Solid
% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 1938			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		70 - 125
DCB Decachlorobiphenyl	1278	J Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1
Client Matrix: Solid
% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.5 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2126			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDT		56	D Q	4.5	15
Toxaphene		210	U Q	120	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71	D	70 - 125
DCB Decachlorobiphenyl	1408	Q D	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1
Client Matrix: Solid
% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.5 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2126			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73	D	70 - 125
DCB Decachlorobiphenyl	1406	Q D	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2 | Date Sampled: 03/27/2012 1020
Client Matrix: Solid | % Moisture: 40.4 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 1955			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		1.1	U Q	0.86	2.7
4,4'-DDE		0.52	J Q	0.37	2.7
4,4'-DDT		5.0	J Q	0.92	3.1
Aldrin		0.72	U Q	0.39	2.7
alpha-BHC		0.72	U J Q	0.34	2.7
beta-BHC		1.1	U J Q	1.0	2.7
delta-BHC		1.1	U J Q	0.63	2.7
gamma-BHC (Lindane)		1.1	U J Q	0.73	2.7
Heptachlor		0.72	U J Q	0.34	2.7
Heptachlor epoxide		1.1	U J Q	0.67	2.7
Endosulfan I		0.72	U Q	0.28	2.7
Endosulfan II		0.72	U Q	0.45	2.7
Endosulfan sulfate		0.72	U J Q	0.43	2.7
Endrin		0.72	U J Q	0.48	2.7
Endrin aldehyde		0.72	U J Q	0.27	2.7
Endrin ketone		1.1	U J Q	0.77	2.7
gamma-Chlordane		1.1	U J Q	0.42	2.7
Methoxychlor		1.1	U J Q	0.71	5.2
alpha-Chlordane		0.72	U J Q	0.51	2.7
Dieldrin		0.72	U J Q	0.33	2.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		70 - 125
DCB Decachlorobiphenyl	485	Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2
Client Matrix: Solid
% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 1955			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		70 - 125
DCB Decachlorobiphenyl	466	Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2
Client Matrix: Solid
% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2143			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		210	U Q	120	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69	Q D	70 - 125
DCB Decachlorobiphenyl	492	Q D	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3 | Date Sampled: 03/27/2012 1045
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2045			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.99	U Q	0.79	2.4
4,4'-DDE		1.1	Q J	0.34	2.4
4,4'-DDT		16	Q	0.85	2.9
Aldrin		0.66	U Q	0.36	2.4
alpha-BHC		0.66	U Q	0.31	2.4
beta-BHC		0.99	U Q	0.96	2.4
delta-BHC		0.99	U Q	0.58	2.4
gamma-BHC (Lindane)		0.99	U Q	0.67	2.4
Heptachlor		0.66	U Q	0.31	2.4
Heptachlor epoxide		0.99	U Q	0.61	2.4
Endosulfan I		0.66	U Q	0.25	2.4
Endosulfan II		0.66	U Q	0.41	2.4
Endosulfan sulfate		0.66	U Q	0.40	2.4
Endrin		0.66	U Q	0.44	2.4
Endrin aldehyde		0.66	U Q	0.25	2.4
Endrin ketone		0.99	U Q	0.70	2.4
gamma-Chlordane		0.99	U Q	0.38	2.4
Methoxychlor		0.99	U Q	0.65	4.8
alpha-Chlordane		0.66	U Q	0.46	2.4
Dieldrin		0.66	U Q	0.30	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58	Q	70 - 125
DCB Decachlorobiphenyl	67		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3
Client Matrix: Solid
% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2045			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50	Q	70 - 125
DCB Decachlorobiphenyl	101		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3
Client Matrix: Solid
% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.2 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2200			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		190	U Q	110	1200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50	Q D	70 - 125
DCB Decachlorobiphenyl	135	Q D	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4 | Date Sampled: 03/27/2012 1120
Client Matrix: Solid | % Moisture: 32.4 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2101			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		1.0	U Q	0.79	2.5
4,4'-DDE		1.7	J Q	0.35	2.5
4,4'-DDT		2.1	J Q	0.86	2.9
Aldrin		0.67	U Q	0.36	2.5
alpha-BHC		0.67	U Q	0.31	2.5
beta-BHC		1.0	U Q	0.96	2.5
delta-BHC		1.0	U Q	0.58	2.5
gamma-BHC (Lindane)		1.0	U Q	0.67	2.5
Heptachlor		0.67	U Q	0.31	2.5
Heptachlor epoxide		1.0	U Q	0.62	2.5
Endosulfan I		0.67	U Q	0.26	2.5
Endosulfan II		0.67	U Q	0.42	2.5
Endosulfan sulfate		0.67	U Q	0.40	2.5
Endrin		0.67	U Q	0.44	2.5
Endrin aldehyde		0.67	U Q	0.25	2.5
Endrin ketone		1.0	U Q	0.71	2.5
gamma-Chlordane		1.0	U Q	0.39	2.5
Methoxychlor		1.0	U Q	0.65	4.8
alpha-Chlordane		0.67	U Q	0.47	2.5
Dieldrin		0.67	U Q	0.30	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		70 - 125
DCB Decachlorobiphenyl	87		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4
Client Matrix: Solid
% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2101			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69	Q	70 - 125
DCB Decachlorobiphenyl	159	Q	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4 | Date Sampled: 03/27/2012 1120
Client Matrix: Solid | % Moisture: 32.4 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2218			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		200	U Q	110	1200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64	Q D	70 - 125
DCB Decachlorobiphenyl	155	Q D	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5
Client Matrix: Solid
% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2208			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		1.0	U Q	0.80	2.5
4,4'-DDE		2.0	J Q	0.35	2.5
4,4'-DDT		1.5	J Q	0.86	2.9
Aldrin		0.67	U Q	0.37	2.5
alpha-BHC		0.67	U Q	0.31	2.5
beta-BHC		1.0	U Q	0.97	2.5
delta-BHC		1.0	U Q	0.59	2.5
gamma-BHC (Lindane)		1.0	U Q	0.68	2.5
Heptachlor		0.67	U Q	0.31	2.5
Heptachlor epoxide		1.0	U Q	0.62	2.5
Endosulfan I		0.67	U Q	0.26	2.5
Endosulfan II		0.67	U Q	0.42	2.5
Endosulfan sulfate		0.67	U Q	0.40	2.5
Endrin		0.67	U Q	0.45	2.5
Endrin aldehyde		0.67	U Q	0.25	2.5
Endrin ketone		1.0	U Q	0.71	2.5
gamma-Chlordane		1.0	U Q	0.39	2.5
Methoxychlor		1.0	U Q	0.66	4.8
alpha-Chlordane		0.67	U Q	0.47	2.5
Dieldrin		0.67	U Q	0.31	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59	Q	70 - 125
DCB Decachlorobiphenyl	125	M	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5
Client Matrix: Solid
% Moisture: 36.0

Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2208			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	57	Q	70 - 125
DCB Decachlorobiphenyl	178	Q	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5 | Date Sampled: 03/27/2012 1150
Client Matrix: Solid | % Moisture: 36.0 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2235			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		200	U Q	120	1200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	45	Q D	70 - 125
DCB Decachlorobiphenyl	176	Q D	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6 | Date Sampled: 03/27/2012 1200
Client Matrix: Solid | % Moisture: 16.8 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.8 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2224			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.76	U	0.60	1.9
4,4'-DDE		0.51	U	0.26	1.9
4,4'-DDT		0.76	U	0.65	2.2
Aldrin		0.51	U	0.28	1.9
alpha-BHC		0.51	U	0.24	1.9
beta-BHC		0.76	U	0.73	1.9
delta-BHC		0.76	U	0.44	1.9
gamma-BHC (Lindane)		0.76	U	0.51	1.9
Heptachlor		0.51	U	0.24	1.9
Heptachlor epoxide		0.76	U	0.47	1.9
Endosulfan I		0.51	U	0.19	1.9
Endosulfan II		0.51	U	0.32	1.9
Endosulfan sulfate		0.51	U	0.30	1.9
Endrin		0.51	U	0.34	1.9
Endrin aldehyde		0.51	U	0.19	1.9
Endrin ketone		0.76	U	0.54	1.9
gamma-Chlordane		0.76	U	0.29	1.9
Methoxychlor		0.76	U	0.49	3.6
alpha-Chlordane		0.51	U	0.36	1.9
Dieldrin		0.51	U	0.23	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		70 - 125
DCB Decachlorobiphenyl	73		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6
Client Matrix: Solid
% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.8 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2224			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		70 - 125
DCB Decachlorobiphenyl	74		55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6 | Date Sampled: 03/27/2012 1200
Client Matrix: Solid | % Moisture: 16.8 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.8 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2252			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		150	U Q	87	930

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72	D	70 - 125
DCB Decachlorobiphenyl	241	Q D	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7 | Date Sampled: 03/27/2012 1215
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.4 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2241			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		1.0	U Q	0.81	2.5
4,4'-DDE		0.68	U Q	0.35	2.5
4,4'-DDT		2.5	J Q	0.87	3.0
Aldrin		0.68	U Q	0.37	2.5
alpha-BHC		0.68	U Q	0.32	2.5
beta-BHC		1.0	U Q	0.98	2.5
delta-BHC		1.0	U Q	0.59	2.5
gamma-BHC (Lindane)		1.0	U Q	0.69	2.5
Heptachlor		0.68	U Q	0.32	2.5
Heptachlor epoxide		1.0	U Q	0.63	2.5
Endosulfan I		0.68	U Q	0.26	2.5
Endosulfan II		0.68	U Q	0.42	2.5
Endosulfan sulfate		0.68	U Q	0.41	2.5
Endrin		0.68	U Q	0.45	2.5
Endrin aldehyde		0.68	U Q	0.25	2.5
Endrin ketone		1.0	U Q	0.72	2.5
gamma-Chlordane		1.0	U Q	0.39	2.5
Methoxychlor		1.0	U Q	0.66	4.9
alpha-Chlordane		0.68	U Q	0.48	2.5
Dieldrin		0.68	U Q	0.31	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	61	Q	70 - 125
DCB Decachlorobiphenyl	72		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7
Client Matrix: Solid
% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.4 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2241			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	56	Q	70 - 125
DCB Decachlorobiphenyl	90		55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7 | Date Sampled: 03/27/2012 1215
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.4 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2309			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		200	U Q	120	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59	Q D	70 - 125
DCB Decachlorobiphenyl	58	D	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8 | Date Sampled: 03/27/2012 1245
Client Matrix: Solid | % Moisture: 14.1 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2258			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.76	U	0.60	1.9
4,4'-DDE		0.51	U	0.26	1.9
4,4'-DDT		0.76	U	0.65	2.2
Aldrin		0.51	U	0.28	1.9
alpha-BHC		0.51	U	0.24	1.9
beta-BHC		0.76	U	0.73	1.9
delta-BHC		0.76	U	0.44	1.9
gamma-BHC (Lindane)		0.76	U	0.51	1.9
Heptachlor		0.51	U	0.24	1.9
Heptachlor epoxide		0.76	U	0.47	1.9
Endosulfan I		0.51	U	0.19	1.9
Endosulfan II		0.51	U	0.32	1.9
Endosulfan sulfate		0.51	U	0.30	1.9
Endrin		0.51	U	0.34	1.9
Endrin aldehyde		0.51	U	0.19	1.9
Endrin ketone		0.76	U	0.54	1.9
gamma-Chlordane		0.76	U	0.29	1.9
Methoxychlor		0.76	U	0.50	3.6
alpha-Chlordane		0.51	U	0.36	1.9
Dieldrin		0.51	U	0.23	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		70 - 125
DCB Decachlorobiphenyl	68		55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8 | Date Sampled: 03/27/2012 1245
Client Matrix: Solid | % Moisture: 14.1 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2258			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		70 - 125
DCB Decachlorobiphenyl	78		55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8 | Date Sampled: 03/27/2012 1245
Client Matrix: Solid | % Moisture: 14.1 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.6 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2326			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		150	U	87	940

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72	D	70 - 125
DCB Decachlorobiphenyl	66	D	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9 | Date Sampled: 03/27/2012 1255
Client Matrix: Solid | % Moisture: 29.6 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2314			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.96	U Q	0.76	2.4
4,4'-DDE		5.6	Q	0.33	2.4
4,4'-DDT		15	Q	0.82	2.8
Aldrin		0.64	U Q	0.35	2.4
alpha-BHC		0.64	U Q	0.30	2.4
beta-BHC		0.96	U Q	0.93	2.4
delta-BHC		0.96	U Q	0.56	2.4
gamma-BHC (Lindane)		0.96	U Q	0.65	2.4
Heptachlor		0.64	U Q	0.30	2.4
Heptachlor epoxide		0.96	U Q	0.59	2.4
Endosulfan I		0.64	U Q	0.25	2.4
Endosulfan II		0.64	U Q	0.40	2.4
Endosulfan sulfate		0.64	U Q	0.38	2.4
Endrin		0.64	U Q	0.43	2.4
Endrin aldehyde		0.64	U Q	0.24	2.4
Endrin ketone		0.96	U Q	0.68	2.4
gamma-Chlordane		0.96	U Q	0.37	2.4
Methoxychlor		0.96	U Q	0.63	4.6
alpha-Chlordane		0.64	U Q	0.45	2.4
Dieldrin		0.39	J Q	0.29	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67	Q	70 - 125
DCB Decachlorobiphenyl	116	M	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9
Client Matrix: Solid
% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2314			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		70 - 125
DCB Decachlorobiphenyl	180	Q	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9 | Date Sampled: 03/27/2012 1255
Client Matrix: Solid | % Moisture: 29.6 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/16/2012 2344			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		190	U Q	110	1200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59	Q D	70 - 125
DCB Decachlorobiphenyl	180	Q D	55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10 | Date Sampled: 03/27/2012 1315
Client Matrix: Solid | % Moisture: 22.2 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2331			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.88	U Q	0.70	2.2
4,4'-DDE		0.59	U Q	0.30	2.2
4,4'-DDT		0.88	U Q	0.75	2.6
Aldrin		0.59	U Q	0.32	2.2
alpha-BHC		0.59	U Q	0.27	2.2
beta-BHC		0.88	U Q	0.85	2.2
delta-BHC		0.88	U Q	0.51	2.2
gamma-BHC (Lindane)		0.88	U Q	0.59	2.2
Heptachlor		0.59	U Q	0.27	2.2
Heptachlor epoxide		0.88	U Q	0.54	2.2
Endosulfan I		0.59	U Q	0.22	2.2
Endosulfan II		0.59	U Q	0.37	2.2
Endosulfan sulfate		0.59	U Q	0.35	2.2
Endrin		0.59	U Q	0.39	2.2
Endrin aldehyde		0.59	U Q	0.22	2.2
Endrin ketone		0.88	U Q	0.62	2.2
gamma-Chlordane		0.88	U Q	0.34	2.2
Methoxychlor		0.88	U Q	0.57	4.2
alpha-Chlordane		0.59	U Q	0.41	2.2
Dieldrin		0.59	U Q	0.27	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	62	Q	70 - 125
DCB Decachlorobiphenyl	55		55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10
Client Matrix: Solid
% Moisture: 22.2

Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/11/2012 2331			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64	Q	70 - 125
DCB Decachlorobiphenyl	73		55 - 130

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10 | Date Sampled: 03/27/2012 1315
Client Matrix: Solid | % Moisture: 22.2 | Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-115801	Instrument ID:	GCS_P1
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.2 g
Dilution:	5.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/17/2012 0001			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Toxaphene		170	U Q	100	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59	Q D	70 - 125
DCB Decachlorobiphenyl	48	Q D	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-114395	Instrument ID:	GCS_P1
Prep Method:	3510C	Prep Batch:	280-113965	Initial Weight/Volume:	1037.4 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/05/2012 2315			Injection Volume:	1 uL
Prep Date:	04/02/2012 1750			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
4,4'-DDD	0.0096	U	0.0074	0.048
4,4'-DDE	0.0096	U	0.0072	0.048
4,4'-DDT	0.0096	U	0.014	0.048
Aldrin	0.0096	U	0.0057	0.048
alpha-BHC	0.0096	U	0.0051	0.048
beta-BHC	0.0096	U	0.0084	0.048
delta-BHC	0.0096	U	0.0056	0.048
gamma-BHC (Lindane)	0.0096	U	0.0067	0.048
Heptachlor	0.0096	U	0.0074	0.048
Heptachlor epoxide	0.0096	U	0.0072	0.048
Endosulfan I	0.0096	U	0.0056	0.048
Endosulfan II	0.0096	U	0.0067	0.048
Endosulfan sulfate	0.0096	U	0.0055	0.048
Endrin	0.0096	U	0.0076	0.048
Endrin aldehyde	0.0096	U	0.0085	0.048
Endrin ketone	0.0096	U	0.0067	0.048
gamma-Chlordane	0.0096	U	0.0088	0.048
Methoxychlor	0.0096	U	0.013	0.096
alpha-Chlordane	0.0096	U	0.0051	0.048
Dieldrin	0.0096	U	0.0061	0.048
Toxaphene	0.77	U	0.35	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		25 - 140
DCB Decachlorobiphenyl	100		30 - 135

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	280-114395	Instrument ID:	GCS_P1
Prep Method:	3510C	Prep Batch:	280-113965	Initial Weight/Volume:	1037.4 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/05/2012 2315			Injection Volume:	1 uL
Prep Date:	04/02/2012 1750			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		25 - 140
DCB Decachlorobiphenyl	97		30 - 135

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1 | Date Sampled: 03/27/2012 0955
Client Matrix: Solid | % Moisture: 35.9 | Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 1742			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		15	U Q	7.8	51
PCB-1221		31	U Q	24	51
PCB-1232		15	U Q	7.9	51
PCB-1242		15	U Q	14	51
PCB-1248		15	U Q	8.6	51
PCB-1254		15	U Q	8.5	51
PCB-1260		15	U Q	4.1	51

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	944	J Q	59 - 130
Tetrachloro-m-xylene	94		53 - 128

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2 | Date Sampled: 03/27/2012 1020
Client Matrix: Solid | % Moisture: 40.4 | Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 1805			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		16	U Q	8.0	52
PCB-1221		31	U Q	24	52
PCB-1232		16	U Q	8.0	52
PCB-1242		16	U Q	14	52
PCB-1248		16	U Q	8.8	52
PCB-1254		16	U Q	8.7	52
PCB-1260		16	U Q	4.2	52

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	274	J Q	59 - 130
Tetrachloro-m-xylene	74		53 - 128

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3 | Date Sampled: 03/27/2012 1045
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 1828			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		14	U Q	7.3	48
PCB-1221		29	U Q	22	48
PCB-1232		14	U Q	7.4	48
PCB-1242		14	U Q	13	48
PCB-1248		14	U Q	8.1	48
PCB-1254		14	U Q	7.9	48
PCB-1260		14	U Q J	3.8	48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	38	Q	59 - 130
Tetrachloro-m-xylene	60		53 - 128

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4 | Date Sampled: 03/27/2012 1120
Client Matrix: Solid | % Moisture: 32.4 | Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2000			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		14	U Q	7.4	48
PCB-1221		29	U Q	23	48
PCB-1232		14	U Q	7.4	48
PCB-1242		14	U Q	13	48
PCB-1248		14	U Q	8.1	48
PCB-1254		14	U Q	8.0	48
PCB-1260		14	U Q	3.8	48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	49	Q	59 - 130
Tetrachloro-m-xylene	70		53 - 128

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5 | Date Sampled: 03/27/2012 1150
Client Matrix: Solid | % Moisture: 36.0 | Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2023			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		15	U Q	7.4	48
PCB-1221		29	U Q	23	48
PCB-1232		15	U Q	7.5	48
PCB-1242		15	U Q	13	48
PCB-1248		15	U Q	8.2	48
PCB-1254		15	U Q	8.1	48
PCB-1260		15	U Q	3.9	48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	37	Q	59 - 130
Tetrachloro-m-xylene	55		53 - 128

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6 | Date Sampled: 03/27/2012 1200
Client Matrix: Solid | % Moisture: 16.8 | Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	32.8 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2046			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		11	U	5.6	36
PCB-1221		22	U	17	36
PCB-1232		11	U	5.6	36
PCB-1242		11	U	10	36
PCB-1248		11	U	6.2	36
PCB-1254		11	U	6.1	36
PCB-1260		11	U	2.9	36

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65		59 - 130
Tetrachloro-m-xylene	79		53 - 128

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7 | Date Sampled: 03/27/2012 1215
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.4 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2109			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		15	U	7.5	49
PCB-1221		30	U	23	49
PCB-1232		15	U	7.6	49
PCB-1242		15	U	13	49
PCB-1248		15	U	8.3	49
PCB-1254		15	U	8.1	49
PCB-1260		15	U	3.9	49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81		59 - 130
Tetrachloro-m-xylene	62		53 - 128

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8 | Date Sampled: 03/27/2012 1245
Client Matrix: Solid | % Moisture: 14.1 | Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	31.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2132			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		11	U	5.6	36
PCB-1221		22	U	17	36
PCB-1232		11	U	5.7	36
PCB-1242		11	U	10	36
PCB-1248		11	U	6.2	36
PCB-1254		11	U	6.1	36
PCB-1260		11	U	2.9	36

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	70		59 - 130
Tetrachloro-m-xylene	82		53 - 128

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9 | Date Sampled: 03/27/2012 1255
Client Matrix: Solid | % Moisture: 29.6 | Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2155			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		14	U Q	7.1	46
PCB-1221		28	U Q	22	46
PCB-1232		14	U Q	7.1	46
PCB-1242		14	U Q	13	46
PCB-1248		14	U Q	7.8	46
PCB-1254		11	J Q	7.7	46
PCB-1260		14	U Q	3.7	46

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	49	Q	59 - 130
Tetrachloro-m-xylene	70		53 - 128

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9
Client Matrix: Solid
% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2155			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	54	Q	59 - 130
Tetrachloro-m-xylene	71		53 - 128

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10 | Date Sampled: 03/27/2012 1315
Client Matrix: Solid | % Moisture: 22.2 | Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Prep Method:	3546	Prep Batch:	280-113973	Initial Weight/Volume:	30.2 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/10/2012 2219			Injection Volume:	1 uL
Prep Date:	04/02/2012 1720			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		13	U Q	6.5	42
PCB-1221		26	U Q	20	42
PCB-1232		13	U Q	6.5	42
PCB-1242		13	U Q	12	42
PCB-1248		13	U Q	7.2	42
PCB-1254		13	U Q	7.0	42
PCB-1260		13	U Q	3.4	42

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	46	Q	59 - 130
Tetrachloro-m-xylene	67		53 - 128

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	280-115556	Instrument ID:	GCS_W
Prep Method:	3510C	Prep Batch:	280-113965	Initial Weight/Volume:	1037.4 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	04/13/2012 1914			Injection Volume:	1 uL
Prep Date:	04/02/2012 1750			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
PCB-1016	0.29	U	0.12	0.96
PCB-1221	0.29	U	0.21	0.96
PCB-1232	0.39	U	0.16	0.96
PCB-1242	0.29	U	0.10	0.96
PCB-1248	0.19	U	0.088	0.96
PCB-1254	0.29	U	0.11	0.96
PCB-1260	0.29	U	0.15	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		40 - 135
Tetrachloro-m-xylene	93		25 - 120

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1 | Date Sampled: 03/27/2012 0955
Client Matrix: Solid | % Moisture: 35.9 | Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	04/02/2012 1229			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		990		19	130
Magnesium		200		4.9	40
Potassium		150	J	54	400
Sodium		130	U	78	660

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0			Initial Weight/Volume:	1.18 g
Analysis Date:	04/03/2012 1159			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		2300	D J	10	330
Iron		240000	D J	25	530
Boron		6.6	U	6.5	66

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	046AREF.D
Dilution:	1.0			Initial Weight/Volume:	1.16 g
Analysis Date:	04/02/2012 1922			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		6000	J	19	270
Arsenic		30000	J	68	670
Beryllium		69	J	30	130
Cadmium		5300	Q	13	130
Chromium		96000	J	100	270
Cobalt		28000	J	8.9	130
Molybdenum		5100	J	24	270
Selenium		320	J	180	670
Silver		880		27	130
Thallium		99	J	4.7	130
Vanadium		5200	J	52	670

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	066AREF.D
Dilution:	20			Initial Weight/Volume:	1.16 g
Analysis Date:	04/02/2012 2019	Run Type:	DL	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1
Client Matrix: Solid
% Moisture: 35.9

Date Sampled: 03/27/2012 0955
Date Received: 03/29/2012 0900

6020 Metals (ICP/MS)

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Barium		3400000	D J	1900	6700
Copper		330000	J D	1900	67000
Lead		800000	D J	490	2700
Manganese		1800000	J D	890	2700
Nickel		180000	J D	680	9400
Zinc		3700000	J D	8500	67000

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	10			Initial Weight/Volume:	0.62 g
Analysis Date:	04/03/2012 1714			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		820	D J	83	500

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2
Client Matrix: Solid
% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method: 6010B
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/02/2012 1241
Prep Date: 03/30/2012 1400

Analysis Batch: 280-114003
Prep Batch: 280-113656

Instrument ID: MT_026
Lab File ID: 26a040212.asc
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		1900		22	160
Magnesium		310		5.9	47
Potassium		220	J	65	470
Sodium		160	U	93	790

Analysis Method: 6010B
Prep Method: 3050B
Dilution: 5.0
Analysis Date: 04/03/2012 1220
Prep Date: 03/30/2012 1400

Analysis Batch: 280-114077
Prep Batch: 280-113656

Instrument ID: MT_026
Lab File ID: 26a040312.asc
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		2800	D	12	400
Iron		200000	D	30	630
Boron		7.9	U	7.8	79

6020 Metals (ICP/MS)

Analysis Method: 6020
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/02/2012 1936
Prep Date: 03/30/2012 1400

Analysis Batch: 280-114025
Prep Batch: 280-113654

Instrument ID: MT_024
Lab File ID: 051SMPL.D
Initial Weight/Volume: 1.17 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		1100		20	290
Arsenic		11000		73	720
Barium		200000		100	360
Beryllium		98	J	32	140
Cadmium		6700	Q	13	140
Chromium		11000		110	290
Cobalt		9100		9.5	140
Copper		56000		100	3600
Lead		1800000		26	140
Manganese		350000		47	140
Molybdenum		1300		25	290
Nickel		18000		36	500
Selenium		900		190	720
Silver		320		29	140
Thallium		110	J	5.0	140
Vanadium		5700		55	720
Zinc		1600000		450	3600

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2
Client Matrix: Solid
% Moisture: 40.4

Date Sampled: 03/27/2012 1020
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	20			Initial Weight/Volume:	0.62 g
Analysis Date:	04/03/2012 1723			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		15000	D	180	1100

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3
Client Matrix: Solid
% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method: 6010B
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/02/2012 1253
Prep Date: 03/30/2012 1400
Analysis Batch: 280-114003
Prep Batch: 280-113656
Instrument ID: MT_026
Lab File ID: 26a040212.asc
Initial Weight/Volume: 1.19 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		620		18	130
Magnesium		230		4.8	39
Potassium		150	J	53	390
Sodium		130	U	77	650

Analysis Method: 6010B
Prep Method: 3050B
Dilution: 5.0
Analysis Date: 04/03/2012 1223
Prep Date: 03/30/2012 1400
Analysis Batch: 280-114077
Prep Batch: 280-113656
Instrument ID: MT_026
Lab File ID: 26a040312.asc
Initial Weight/Volume: 1.19 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		2200	D	10	320
Iron		250000	D	25	520
Boron		6.5	U	6.4	65

6020 Metals (ICP/MS)

Analysis Method: 6020
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/02/2012 1939
Prep Date: 03/30/2012 1400
Analysis Batch: 280-114025
Prep Batch: 280-113654
Instrument ID: MT_024
Lab File ID: 052SMPL.D
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		3900		21	300
Arsenic		28000		77	760
Barium		50000		110	380
Beryllium		78	J	34	150
Cadmium		3200	Q	14	150
Chromium		72000		120	300
Cobalt		22000		10	150
Copper		250000		110	3800
Lead		380000		28	150
Manganese		1100000		50	150
Molybdenum		11000		27	300
Nickel		87000		38	530
Selenium		280	J	200	760
Silver		240		31	150
Thallium		92	J	5.3	150
Vanadium		5500		58	760
Zinc		1400000		480	3800

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3
Client Matrix: Solid
% Moisture: 35.3

Date Sampled: 03/27/2012 1045
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	04/03/2012 1725			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		190		8.3	49

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4
Client Matrix: Solid
% Moisture: 32.4
Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.19 g
Analysis Date:	04/02/2012 1256			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		160		18	120
Magnesium		240		4.6	37
Potassium		220	J	51	370
Sodium		120	U	73	620

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0			Initial Weight/Volume:	1.19 g
Analysis Date:	04/03/2012 1225			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		2500	D	9.6	310
Iron		57000	D	24	500
Boron		6.2	U	6.1	62

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	056SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	04/02/2012 1950			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		220	J	20	280
Arsenic		4400		72	710
Barium		17000		100	360
Beryllium		70	J	32	140
Cadmium		760	Q	13	140
Chromium		15000		110	280
Cobalt		2200		9.4	140
Copper		58000		100	3600
Lead		99000		26	140
Manganese		95000		47	140
Molybdenum		2900		25	280
Nickel		12000		36	500
Selenium		700	J	190	710
Silver		250		29	140
Thallium		86	J	5.0	140
Vanadium		11000		55	710
Zinc		100000		450	3600

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4
Client Matrix: Solid
% Moisture: 32.4

Date Sampled: 03/27/2012 1120
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	04/03/2012 1728			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		110		7.9	47

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5 | Date Sampled: 03/27/2012 1150
Client Matrix: Solid | % Moisture: 36.0 | Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2012 1258			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		300		22	150
Magnesium		250		5.7	46
Potassium		270	J	63	460
Sodium		150	U	91	770

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0			Initial Weight/Volume:	1.01 g
Analysis Date:	04/03/2012 1228			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		3300	D	12	390
Iron		77000	D	29	620
Boron		7.7	U	7.6	77

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	057SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2012 1953			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		740		22	310
Arsenic		16000		78	770
Barium		490000		110	390
Beryllium		100	J	35	150
Cadmium		720	Q	15	150
Chromium		37000		120	310
Cobalt		6000		10	150
Copper		74000		110	3900
Manganese		360000		51	150
Molybdenum		3400		27	310
Nickel		22000		39	540
Selenium		750	J	210	770
Silver		290		31	150
Thallium		120	J	5.4	150
Vanadium		7000		60	770
Zinc		110000		490	3900

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5
Client Matrix: Solid
% Moisture: 36.0
Date Sampled: 03/27/2012 1150
Date Received: 03/29/2012 0900

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	071SMPL.D
Dilution:	20			Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2012 2033	Run Type:	DL	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Lead		5100000	D	560	3100

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	04/03/2012 1734			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		830		8.6	52

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6
Client Matrix: Solid
% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	04/02/2012 1301			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		150		16	110
Iron		6900		4.3	90
Magnesium		910		4.2	34
Potassium		680		46	340
Sodium		110	U	66	560

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	04/03/2012 1230			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		4500		1.7	56
Boron		1.8	J	1.1	11

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	058SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Analysis Date:	04/02/2012 1956			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		26	J	15	210
Arsenic		860		53	520
Barium		18000		74	260
Beryllium		150		24	100
Cadmium		280	Q	9.8	100
Chromium		4800		79	210
Cobalt		1200		6.9	100
Copper		5400		74	2600
Manganese		38000		34	100
Molybdenum		100	J	18	210
Nickel		3600		26	370
Selenium		370	J	140	520
Silver		63	U	21	100
Thallium		40	J	3.7	100
Vanadium		4800		40	520
Zinc		21000		330	2600

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6
Client Matrix: Solid
% Moisture: 16.8

Date Sampled: 03/27/2012 1200
Date Received: 03/29/2012 0900

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	072SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Analysis Date:	04/02/2012 2036			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Lead		81000		19	100

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.69 g
Analysis Date:	04/03/2012 1737			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		23	J	5.8	34

Client: FPM Remediations Inc | Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7 | Date Sampled: 03/27/2012 1215
Client Matrix: Solid | % Moisture: 35.3 | Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114003	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	04/02/2012 1303			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		630		18	130
Iron		14000		5.0	100
Magnesium		220		4.8	39
Potassium		240	J	54	390
Sodium		130	U	77	650

Analysis Method:	6010B	Analysis Batch:	280-114077	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	04/03/2012 1232			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		3100		2.0	65
Boron		2.2	J	1.3	13

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114025	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-113654	Lab File ID:	059SMPL.D
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Analysis Date:	04/02/2012 1959			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		160	J	21	300
Arsenic		3100		76	750
Barium		48000		110	380
Beryllium		62	J	34	150
Cadmium		3100	Q	14	150
Chromium		5200		110	300
Cobalt		1400		9.9	150
Copper		28000		110	3800
Lead		96000		27	150
Manganese		410000		50	150
Molybdenum		410		26	300
Nickel		5400		38	530
Selenium		680	J	200	750
Silver		92	J	30	150
Thallium		62	J	5.3	150
Vanadium		5500		58	750
Zinc		620000		470	3800

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7
Client Matrix: Solid
% Moisture: 35.3

Date Sampled: 03/27/2012 1215
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	04/03/2012 1739			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		570		8.4	50

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8
Client Matrix: Solid
% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method: 6010B
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/02/2012 1306
Prep Date: 03/30/2012 1400

Analysis Batch: 280-114003
Prep Batch: 280-113656

Instrument ID: MT_026
Lab File ID: 26a040212.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		230		16	120
Iron		5300		4.4	92
Magnesium		1400		4.3	35
Potassium		610		47	350
Sodium		120	U	68	580

Analysis Method: 6010B
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/03/2012 1235
Prep Date: 03/30/2012 1400

Analysis Batch: 280-114077
Prep Batch: 280-113656

Instrument ID: MT_026
Lab File ID: 26a040312.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		5700		1.8	58
Boron		1.6	J	1.1	12

6020 Metals (ICP/MS)

Analysis Method: 6020
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/02/2012 2001
Prep Date: 03/30/2012 1400

Analysis Batch: 280-114025
Prep Batch: 280-113654

Instrument ID: MT_024
Lab File ID: 060SMPL.D
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		43	U	15	210
Arsenic		360	J	54	530
Barium		13000		75	270
Beryllium		120		24	110
Cadmium		470	Q	10	110
Chromium		4800		81	210
Cobalt		1600		7.1	110
Copper		3900		76	2700
Lead		8300		19	110
Manganese		250000		35	110
Molybdenum		67	J	19	210
Nickel		4600		27	370
Selenium		270	J	140	530
Silver		64	U	22	110
Thallium		38	J	3.7	110
Vanadium		7300		41	530
Zinc		250000		340	2700

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8
Client Matrix: Solid
% Moisture: 14.1

Date Sampled: 03/27/2012 1245
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.69 g
Analysis Date:	04/03/2012 1741			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		19	J	5.6	33

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9
Client Matrix: Solid
% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method: 6010B
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/02/2012 1308
Prep Date: 03/30/2012 1400

Analysis Batch: 280-114003
Prep Batch: 280-113656

Instrument ID: MT_026
Lab File ID: 26a040212.asc
Initial Weight/Volume: 1.19 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		320		17	120
Magnesium		150		4.4	36
Potassium		180	J	49	360
Sodium		120	U	70	600

Analysis Method: 6010B
Prep Method: 3050B
Dilution: 5.0
Analysis Date: 04/03/2012 1237
Prep Date: 03/30/2012 1400

Analysis Batch: 280-114077
Prep Batch: 280-113656

Instrument ID: MT_026
Lab File ID: 26a040312.asc
Initial Weight/Volume: 1.19 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		2900	D	9.3	300
Iron		58000	D	23	480
Boron		6.0	U	5.9	60

6020 Metals (ICP/MS)

Analysis Method: 6020
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/02/2012 2004
Prep Date: 03/30/2012 1400

Analysis Batch: 280-114025
Prep Batch: 280-113654

Instrument ID: MT_024
Lab File ID: 061SMPL.D
Initial Weight/Volume: 1.17 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		980		17	240
Arsenic		9200		61	610
Barium		360000		86	300
Beryllium		150		27	120
Cadmium		1800	Q	11	120
Chromium		20000		92	240
Cobalt		7200		8.1	120
Copper		270000		86	3000
Lead		1100000		22	120
Manganese		280000		40	120
Molybdenum		3000		21	240
Nickel		25000		31	430
Selenium		670		160	610
Silver		120		25	120
Thallium		78	J	4.3	120
Vanadium		15000		47	610
Zinc		320000		380	3000

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9
Client Matrix: Solid
% Moisture: 29.6

Date Sampled: 03/27/2012 1255
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	04/03/2012 1744			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		100		7.7	46

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10
Client Matrix: Solid
% Moisture: 22.2
Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method: 6010B
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/02/2012 1310
Prep Date: 03/30/2012 1400
Analysis Batch: 280-114003
Prep Batch: 280-113656
Instrument ID: MT_026
Lab File ID: 26a040212.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Calcium		150		18	130
Iron		2100		4.8	100
Magnesium		590		4.7	38
Potassium		730		52	380
Sodium		130	U	75	640

Analysis Method: 6010B
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/03/2012 1240
Prep Date: 03/30/2012 1400
Analysis Batch: 280-114077
Prep Batch: 280-113656
Instrument ID: MT_026
Lab File ID: 26a040312.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		5100		2.0	64
Boron		1.9	J	1.2	13

6020 Metals (ICP/MS)

Analysis Method: 6020
Prep Method: 3050B
Dilution: 1.0
Analysis Date: 04/02/2012 2007
Prep Date: 03/30/2012 1400
Analysis Batch: 280-114025
Prep Batch: 280-113654
Instrument ID: MT_024
Lab File ID: 062SMPL.D
Initial Weight/Volume: 1.19 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Antimony		43	U	15	220
Arsenic		410	J	55	540
Barium		18000		76	270
Beryllium		200		24	110
Cadmium		340	Q	10	110
Chromium		8500		82	220
Cobalt		1900		7.2	110
Copper		4100		77	2700
Lead		3300		20	110
Manganese		44000		36	110
Molybdenum		110	J	19	220
Nickel		6700		27	380
Selenium		640		140	540
Silver		65	U	22	110
Thallium		43	J	3.8	110
Vanadium		9000		42	540
Zinc		70000		340	2700

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10
Client Matrix: Solid
% Moisture: 22.2
Date Sampled: 03/27/2012 1315
Date Received: 03/29/2012 0900

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	04/03/2012 1746			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		56		6.7	40

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB
Client Matrix: Water

Date Sampled: 03/27/2012 1410
Date Received: 03/29/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-114798	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-114545	Lab File ID:	25A4040912.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 0052			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	30	U	18	300
Boron	4.0	U	4.4	100
Magnesium	25	U	11	500

Analysis Method:	6010B	Analysis Batch:	280-114957	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-114545	Lab File ID:	25A2041012.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1156			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Calcium	80	U	35	1000
Iron	30	U	22	100
Potassium	250	U	240	3000
Sodium	250	U	92	5000

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-114972	Instrument ID:	MT_024
Prep Method:	3020A	Prep Batch:	280-114586	Lab File ID:	021AREF.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1654			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 0830				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Antimony	0.20	U	0.40	6.0
Arsenic	0.60	U	0.33	5.0
Barium	0.85	U	0.29	3.0
Beryllium	0.24	U	0.080	1.0
Cadmium	0.12	U Q	0.10	1.0
Chromium	1.5	U	0.50	10
Cobalt	0.030	U	0.054	1.0
Copper	1.5	U	0.56	2.0
Lead	0.50	U	0.18	3.0
Manganese	0.90	U	0.31	3.5
Molybdenum	0.40	U	0.14	2.0
Nickel	0.90	U	0.30	3.0
Selenium	2.0	U	0.70	5.0
Silver	0.045	U	0.033	5.0
Thallium	0.060	U	0.050	1.0
Vanadium	0.40	U	0.50	6.0
Zinc	6.0	U	2.0	20

Client: FPM Remediations Inc

Job Number: 280-27123-1

Client Sample ID: **032712AE**

Lab Sample ID: 280-27123-11EB

Client Matrix: Water

Date Sampled: 03/27/2012 1410

Date Received: 03/29/2012 0900

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	280-114270	Instrument ID:	MT_034
Prep Method:	7470A	Prep Batch:	280-114152	Lab File ID:	120404taa.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	04/04/2012 1246			Final Weight/Volume:	30 mL
Prep Date:	04/04/2012 0840				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Mercury	0.038	J	0.027	0.20

General Chemistry

Client Sample ID: **UNK10101AA**

Lab Sample ID: 280-27123-1 Date Sampled: 03/27/2012 0955

Client Matrix: Solid Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	36		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N
Percent Solids	64		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N

General Chemistry

Client Sample ID: **UNK10201AA**

Lab Sample ID: 280-27123-2 Date Sampled: 03/27/2012 1020
Client Matrix: Solid Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	40		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N
Percent Solids	60		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N

General Chemistry

Client Sample ID: **UNK10301AA**

Lab Sample ID: 280-27123-3 Date Sampled: 03/27/2012 1045
Client Matrix: Solid Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	35		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N
Percent Solids	65		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N

General Chemistry

Client Sample ID: **UNK10401AA**

Lab Sample ID: 280-27123-4 Date Sampled: 03/27/2012 1120
Client Matrix: Solid Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	32		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N
Percent Solids	68		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N

General Chemistry

Client Sample ID: **UNK10501AA**

Lab Sample ID: 280-27123-5 Date Sampled: 03/27/2012 1150
Client Matrix: Solid Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	36		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N
Percent Solids	64		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N

General Chemistry

Client Sample ID: **UNK10502AA**

Lab Sample ID: 280-27123-6 Date Sampled: 03/27/2012 1200
Client Matrix: Solid Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N

General Chemistry

Client Sample ID: **UNK10601AA**

Lab Sample ID: 280-27123-7 Date Sampled: 03/27/2012 1215
Client Matrix: Solid Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	35		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N
Percent Solids	65		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N

General Chemistry

Client Sample ID: **UNK10602AA**

Lab Sample ID: 280-27123-8 Date Sampled: 03/27/2012 1245
Client Matrix: Solid Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N

General Chemistry

Client Sample ID: **UNK10701AA**

Lab Sample ID: 280-27123-9 Date Sampled: 03/27/2012 1255
Client Matrix: Solid Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	30		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N
Percent Solids	70		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N

General Chemistry

Client Sample ID: **UNK10702AA**

Lab Sample ID: 280-27123-10 Date Sampled: 03/27/2012 1315
Client Matrix: Solid Date Received: 03/29/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-113684	Analysis Date: 03/30/2012 0853						DryWt Corrected: N

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-27123-1	UNK10101AA	98	92	117Q	122Q
280-27123-2	UNK10201AA	101	97	107	125Q
280-27123-3	UNK10301AA	100	96	121Q	135Q
280-27123-4	UNK10401AA	87	82	120Q	121Q
280-27123-5	UNK10501AA	95	94	106	126Q
280-27123-6	UNK10502AA	92	91	93	99
280-27123-7	UNK10601AA	102	108	114	135Q
280-27123-8	UNK10602AA	95	95	93	96
280-27123-9	UNK10701AA	87	82	117Q	117
280-27123-10	UNK10702AA	86	81	115	117
MB 280-114240/1-A		100	95	99	91
MB 280-114501/1-A		84	81	100	96
LCS 280-114240/2-A		96	99	95	88
LCS 280-114501/2-A		85	82	101	96
280-27123-4 MS	UNK10401AA MS	84	79	111	116
280-27123-6 MS	UNK10502AA MS	94	101	93	95
280-27123-4 MSD	UNK10401AA MSD	85	80	114	117
280-27123-6 MSD	UNK10502AA MSD	91	96	93	96

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	71-126
DCA = 1,2-Dichloroethane-d4 (Surr)	61-129
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-27123-11	032712AE	103	100	107	100
280-27123-12	032712AF	108	106	104	92
280-27123-13	032712AR	103	101	104	97
MB 280-114706/5		104	106	108	103
LCS 280-114706/4		104	108	107	99

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate Recovery Report

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-27123-1	UNK10101AA	74	79	69	78	85	88
280-27123-2	UNK10201AA	83	84	81	82	93	89
280-27123-3	UNK10301AA	85	89	82	87	96	97
280-27123-4	UNK10401AA	69D	71D	67D	69D	84D	74D
280-27123-5	UNK10501AA	77D	78D	77D	76D	93D	81D
280-27123-6	UNK10502AA	71	73	70	71	99	100
280-27123-7	UNK10601AA	77D	82D	74D	78D	96D	85D
280-27123-8	UNK10602AA	81	87	75	83	103	104
280-27123-9	UNK10701AA	82	85	77	80	91	90
280-27123-10	UNK10702AA	69	68	63	65	82	82
MB 280-113829/1-A		81	82	76	80	83	104
LCS 280-113829/2-A		83	82	80	81	91	94
280-27123-3 MS	UNK10301AA MS	81	84	78	79	93	84
280-27123-3 MSD	UNK10301AA MSD	82	88	78	87	99	92

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate Recovery Report

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-27123-11	032712AE	88	91	87	84	85	111
MB 280-114056/1-A		94	98	96	84	92	115
LCS 280-114056/2-A		88	92	92	91	101	104
LCSD 280-114056/3-A		90	93	94	90	99	103

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	20-110
PHL = Phenol-d5 (Surr)	10-115
NBZ = Nitrobenzene-d5 (Surr)	40-110
FBP = 2-Fluorobiphenyl	50-110
TBP = 2,4,6-Tribromophenol (Surr)	40-125
TPH = Terphenyl-d14 (Surr)	50-135

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
280-27123-1	UNK10101AA	76	75	1361J Q	1278J Q
280-27123-1	UNK10101AA	71D	73D	1408Q D	1406Q D
280-27123-2	UNK10201AA	73	70	485Q	466Q
280-27123-2	UNK10201AA	69Q D		492Q D	
280-27123-3	UNK10301AA	58Q	50Q	67	101
280-27123-3	UNK10301AA	50Q D		135Q D	
280-27123-4	UNK10401AA	82	69Q	159Q	87
280-27123-4	UNK10401AA	64Q D		155Q D	
280-27123-5	UNK10501AA	59Q	57Q	125M	178Q
280-27123-5	UNK10501AA	45Q D		176Q D	
280-27123-6	UNK10502AA	76	79	73	74
280-27123-6	UNK10502AA	72D		241Q D	
280-27123-7	UNK10601AA	61Q	56Q	72	90
280-27123-7	UNK10601AA	59Q D		58D	
280-27123-8	UNK10602AA	75	78	68	78
280-27123-8	UNK10602AA	72D		66D	
280-27123-9	UNK10701AA	67Q	70	116M	180Q
280-27123-9	UNK10701AA	59Q D		180Q D	
280-27123-10	UNK10702AA	62Q	64Q	55	73
280-27123-10	UNK10702AA	59Q D		48Q D	
MB 280-113973/1-A		96	94	107	103
LCS 280-113973/2-A		94	91	105	103
LCS 280-113973/26-A		99		103	
280-27123-2 MS	UNK10201AA MS	74	59Q	618J Q	761J Q
280-27123-10 MS	UNK10702AA MS	68Q		65M	
280-27123-2 MSD	UNK10201AA MSD	67Q	56Q	351Q	331Q
280-27123-10 MSD	UNK10702AA MSD	67Q		46Q	

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
280-27123-11	032712AE	82	80	100	97
MB 280-113965/1-A		87	84	107	102
LCS 280-113965/2-A		86	83	106	99
LCS 280-113965/5-A		87		107	

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	25-140
DCB = DCB Decachlorobiphenyl	30-135

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
280-27123-1	UNK10101AA	94		944J Q	
280-27123-2	UNK10201AA	74		274J Q	
280-27123-3	UNK10301AA	60		38Q	
280-27123-4	UNK10401AA	70		49Q	
280-27123-5	UNK10501AA	55		37Q	
280-27123-6	UNK10502AA	79		65	
280-27123-7	UNK10601AA	62		81	
280-27123-8	UNK10602AA	82		70	
280-27123-9	UNK10701AA	70	71	49Q	54Q
280-27123-10	UNK10702AA	67		46Q	
MB 280-113973/1-A		95	102	97	97
LCS 280-113973/3-A		100	103	102	104
280-27123-3 MS	UNK10301AA MS	60		60	
280-27123-3 MSD	UNK10301AA MSD	65		49Q	

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	53-128
DCB = DCB Decachlorobiphenyl	59-130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
280-27123-11	032712AE	93	97
MB 280-113965/1-A		93	98
LCS 280-113965/3-A		99	100

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	25-120
DCB = DCB Decachlorobiphenyl	40-135

Method Blank - Batch: 280-114240

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-114240/1-A	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Client Matrix:	Solid	Prep Batch:	280-114240	Lab File ID:	G5645.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/04/2012 1303	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	1.0	U	0.56	5.0
1,1,1-Trichloroethane	1.0	U	0.52	5.0
1,2,3-Trichlorobenzene	1.33	J	0.75	5.0
1,1-Dichloroethane	0.80	U	0.21	5.0
1,2,3-Trichloropropane	1.0	U	0.81	5.0
1,2,4-Trichlorobenzene	0.964	J	0.73	5.0
1,1-Dichloropropene	1.0	U	0.54	5.0
1,1-Dichloroethene	1.0	U	0.59	5.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.60	10
1,1,2-Trichloroethane	1.0	U	0.88	5.0
1,1,2,2-Tetrachloroethane	1.0	U	0.61	5.0
1,2,4-Trimethylbenzene	1.0	U	0.58	5.0
1,2-Dichlorobenzene	1.0	U	0.45	5.0
1,2-Dichloroethane	1.0	U	0.70	5.0
1,3-Dichlorobenzene	1.0	U	0.48	5.0
1,3-Dichloropropane	1.0	U	0.51	5.0
1,3,5-Trimethylbenzene	1.0	U	0.57	5.0
1,4-Dichlorobenzene	1.0	U	0.78	5.0
1,2-Dichloropropane	1.0	U	0.55	5.0
2,2-Dichloropropane	1.0	U	0.44	5.0
2-Butanone (MEK)	6.4	U	1.8	20
2-Hexanone	10	U	4.9	20
4-Isopropyltoluene	1.0	U	0.49	5.0
4-Methyl-2-pentanone (MIBK)	10	U	4.4	20
Acetone	10	U	5.4	20
Benzene	1.0	U	0.47	5.0
Bromobenzene	1.0	U	0.49	5.0
Bromoform	0.80	U	0.23	5.0
2-Chlorotoluene	1.0	U	0.51	5.0
Bromomethane	1.0	U	0.50	10
Carbon disulfide	0.884	J	0.42	5.0
4-Chlorotoluene	1.0	U	0.78	5.0
Carbon tetrachloride	1.0	U	0.63	5.0
Chlorobenzene	1.0	U	0.54	5.0
Chlorobromomethane	1.0	U	0.30	5.0
Chlorodibromomethane	1.0	U	0.57	5.0
Chloroethane	1.0	U	0.89	10
Chloroform	1.0	U	0.29	10
Chloromethane	1.0	U	0.77	10
cis-1,2-Dichloroethene	1.0	U	0.56	5.0
cis-1,3-Dichloropropene	2.0	U	1.3	5.0
Dibromomethane	1.0	U	0.84	5.0
Dichlorobromomethane	0.80	U	0.22	5.0
Dichlorodifluoromethane	1.0	U	0.52	10
Ethylbenzene	1.0	U	0.67	5.0

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-114240

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-114240/1-A	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Client Matrix:	Solid	Prep Batch:	280-114240	Lab File ID:	G5645.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/04/2012 1303	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ethylene Dibromide	1.0	U	0.52	5.0
Hexachlorobutadiene	0.749	J	0.55	5.0
Isopropylbenzene	1.0	U	0.59	5.0
Methyl tert-butyl ether	1.0	U	0.34	20
Methylene Chloride	2.35	J	1.6	5.0
m-Xylene & p-Xylene	2.0	U	1.0	3.2
Naphthalene	1.37	J	0.63	5.0
n-Butylbenzene	1.0	U	0.56	5.0
N-Propylbenzene	1.0	U	0.58	5.0
o-Xylene	1.0	U	0.61	5.0
sec-Butylbenzene	1.0	U	0.77	5.0
Styrene	1.0	U	0.63	5.0
tert-Butylbenzene	1.0	U	0.50	5.0
Tetrachloroethene	1.0	U	0.59	5.0
Toluene	1.0	U	0.69	5.0
1,4-Dioxane	80	U	56	500
1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	0.45	20
trans-1,2-Dichloroethene	1.0	U	0.39	5.0
1-Chlorohexane	0.80	U	0.63	5.0
trans-1,3-Dichloropropene	1.0	U	0.67	5.0
Cyclohexane	1.6	U	0.40	5.0
Trichloroethene	0.80	U	0.23	5.0
Methyl acetate	4.0	U	2.8	8.5
Trichlorofluoromethane	2.0	U	1.0	10
Vinyl chloride	2.0	U	1.3	5.0
Methylcyclohexane	0.80	U	0.42	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	61 - 129
4-Bromofluorobenzene (Surr)	91	85 - 120
Dibromofluoromethane (Surr)	100	71 - 126
Toluene-d8 (Surr)	99	85 - 115

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample - Batch: 280-114240

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-114240/2-A	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Client Matrix:	Solid	Prep Batch:	280-114240	Lab File ID:	G5643.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/04/2012 1220	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	50.0	56.3	113	75 - 125	
1,1,1-Trichloroethane	50.0	53.8	108	70 - 135	
1,2,3-Trichlorobenzene	50.0	54.6	109	60 - 135	
1,1-Dichloroethane	50.0	55.1	110	75 - 125	
1,2,3-Trichloropropane	50.0	52.2	104	65 - 130	
1,2,4-Trichlorobenzene	50.0	55.0	110	65 - 130	
1,1-Dichloropropene	50.0	51.2	102	70 - 135	
1,1-Dichloroethene	50.0	57.3	115	65 - 135	
1,2-Dibromo-3-Chloropropane	50.0	52.0	104	40 - 135	
1,1,2-Trichloroethane	50.0	61.0	122	60 - 125	
1,1,2,2-Tetrachloroethane	50.0	51.0	102	55 - 130	
1,2,4-Trimethylbenzene	50.0	50.0	100	65 - 135	
1,2-Dichlorobenzene	50.0	54.1	108	75 - 120	
1,2-Dichloroethane	50.0	65.2	130	70 - 135	
1,3-Dichlorobenzene	50.0	50.2	100	70 - 125	
1,3-Dichloropropane	50.0	54.9	110	75 - 125	
1,3,5-Trimethylbenzene	50.0	49.2	98	65 - 135	
1,4-Dichlorobenzene	50.0	52.4	105	70 - 125	
1,2-Dichloropropane	50.0	54.2	108	70 - 120	
2,2-Dichloropropane	50.0	53.6	107	65 - 135	
2-Butanone (MEK)	200	259	130	30 - 160	
2-Hexanone	200	205	103	45 - 145	
4-Isopropyltoluene	50.0	49.1	98	75 - 135	
4-Methyl-2-pentanone (MIBK)	200	235	118	45 - 145	
Acetone	200	202	101	20 - 160	
Benzene	50.0	55.0	110	75 - 125	
Bromobenzene	50.0	52.6	105	65 - 120	
Bromoform	50.0	62.0	124	55 - 135	
2-Chlorotoluene	50.0	49.1	98	70 - 130	
Bromomethane	50.0	38.8	78	30 - 160	
Carbon disulfide	50.0	44.7	89	45 - 160	
4-Chlorotoluene	50.0	51.5	103	75 - 125	
Carbon tetrachloride	50.0	54.4	109	65 - 135	
Chlorobenzene	50.0	54.7	109	75 - 125	
Chlorobromomethane	50.0	61.2	122	70 - 125	
Chlorodibromomethane	50.0	56.4	113	65 - 130	
Chloroethane	50.0	38.6	77	40 - 155	
Chloroform	50.0	55.8	112	70 - 125	
Chloromethane	50.0	40.4	81	50 - 130	
cis-1,2-Dichloroethene	50.0	55.0	110	65 - 125	
cis-1,3-Dichloropropene	50.0	57.9	116	70 - 125	
Dibromomethane	50.0	59.2	118	75 - 130	
Dichlorobromomethane	50.0	57.7	115	70 - 130	
Dichlorodifluoromethane	50.0	37.6	75	35 - 135	
Ethylbenzene	50.0	52.9	106	75 - 125	
Ethylene Dibromide	50.0	55.4	111	70 - 125	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample - Batch: 280-114240

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-114240/2-A	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Client Matrix:	Solid	Prep Batch:	280-114240	Lab File ID:	G5643.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/04/2012 1220	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachlorobutadiene	50.0	54.2	108	55 - 140	
Isopropylbenzene	50.0	48.0	96	75 - 130	
Methyl tert-butyl ether	50.0	57.9	116	67 - 119	
Methylene Chloride	50.0	57.1	114	55 - 140	
m-Xylene & p-Xylene	100	106	106	80 - 125	
Naphthalene	50.0	54.8	110	40 - 125	
n-Butylbenzene	50.0	48.1	96	65 - 140	
N-Propylbenzene	50.0	49.0	98	65 - 135	
o-Xylene	50.0	53.8	108	75 - 125	
sec-Butylbenzene	50.0	48.5	97	65 - 130	
Styrene	50.0	57.1	114	75 - 125	
tert-Butylbenzene	50.0	50.3	101	65 - 130	
Tetrachloroethene	50.0	53.0	106	65 - 140	
Toluene	50.0	56.3	113	70 - 125	
trans-1,2-Dichloroethene	50.0	53.4	107	65 - 135	
trans-1,3-Dichloropropene	50.0	61.3	123	65 - 125	
Trichloroethene	50.0	53.6	107	75 - 125	
Trichlorofluoromethane	50.0	43.7	87	25 - 185	
Vinyl chloride	50.0	36.0	72	60 - 125	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	61 - 129
4-Bromofluorobenzene (Surr)	88	85 - 120
Dibromofluoromethane (Surr)	96	71 - 126
Toluene-d8 (Surr)	95	85 - 115

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-114240

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-27123-6	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Client Matrix:	Solid	Prep Batch:	280-114240	Lab File ID:	G5657.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.024 g
Analysis Date:	04/04/2012 1719			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-6	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Client Matrix:	Solid	Prep Batch:	280-114240	Lab File ID:	G5658.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.765 g
Analysis Date:	04/04/2012 1740			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	109	104	75 - 125	19	30		
1,1,1-Trichloroethane	100	96	70 - 135	18	30		
1,1-Dichloroethane	108	105	75 - 125	17	30		
1,2,3-Trichlorobenzene	52	53	60 - 135	12	30	J	J
1,2,3-Trichloropropane	100	90	65 - 130	24	30		
1,2,4-Trichlorobenzene	65	63	65 - 130	17	30		J
1,1-Dichloropropene	95	89	70 - 135	20	30		
1,1-Dichloroethene	97	91	65 - 135	21	30		
1,2-Dibromo-3-Chloropropane	77	74	40 - 135	17	30		
1,1,2-Trichloroethane	109	102	60 - 125	21	30		
1,1,2,2-Tetrachloroethane	92	89	55 - 130	18	30		
1,2,4-Trimethylbenzene	98	94	65 - 135	19	30		
1,2-Dichlorobenzene	94	91	75 - 120	17	30		
1,2-Dichloroethane	131	122	70 - 135	21	30		
1,3-Dichlorobenzene	96	95	70 - 125	15	30		
1,3-Dichloropropane	98	94	75 - 125	19	30		
1,3,5-Trimethylbenzene	101	96	65 - 135	19	30		
1,4-Dichlorobenzene	95	93	70 - 125	15	30		
1,2-Dichloropropane	105	89	70 - 120	30	30		M
2,2-Dichloropropane	104	101	65 - 135	17	30		
2-Butanone (MEK)	248	213	30 - 160	29	30	J	J
2-Hexanone	84	75	45 - 145	25	30		
4-Isopropyltoluene	93	87	75 - 135	21	30		
4-Methyl-2-pentanone (MIBK)	103	92	45 - 145	25	30		
Acetone	55	49	20 - 160	23	30		
Benzene	105	99	75 - 125	19	30		
Bromobenzene	104	99	65 - 120	19	30		
Bromoform	105	100	55 - 135	19	30		
2-Chlorotoluene	102	96	70 - 130	19	30		
Bromomethane	90	85	30 - 160	19	30		
4-Chlorotoluene	100	97	75 - 125	17	30		
Carbon disulfide	81	82	45 - 160	13	30		
Carbon tetrachloride	105	99	65 - 135	20	30		

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-114240

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-27123-6	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Client Matrix:	Solid	Prep Batch:	280-114240	Lab File ID:	G5657.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.024 g
Analysis Date:	04/04/2012 1719			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-6	Analysis Batch:	280-114253	Instrument ID:	MSV_G
Client Matrix:	Solid	Prep Batch:	280-114240	Lab File ID:	G5658.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.765 g
Analysis Date:	04/04/2012 1740			Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 0600				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	103	98	75 - 125	18	30		
Chlorobromomethane	112	104	70 - 125	22	30		
Chlorodibromomethane	104	98	65 - 130	19	30		
Chloroethane	88	86	40 - 155	17	30		
Chloroform	113	104	70 - 125	21	30		
Chloromethane	88	88	50 - 130	14	30		
cis-1,2-Dichloroethene	105	101	65 - 125	18	30		
cis-1,3-Dichloropropene	104	96	70 - 125	21	30		
Dibromomethane	107	99	75 - 130	21	30		
Dichlorobromomethane	113	106	70 - 130	20	30		
Dichlorodifluoromethane	78	75	35 - 135	17	30		
Ethylbenzene	99	95	75 - 125	18	30		
Ethylene Dibromide	95	90	70 - 125	19	30		
Hexachlorobutadiene	66	62	55 - 140	20	30		
Isopropylbenzene	100	96	75 - 130	18	30		
Methyl tert-butyl ether	105	97	67 - 119	21	30		
Methylene Chloride	105	98	55 - 140	19	30		
m-Xylene & p-Xylene	98	91	80 - 125	21	30		
Naphthalene	52	52	40 - 125	15	30		
n-Butylbenzene	88	84	65 - 140	18	30		
N-Propylbenzene	97	93	65 - 135	18	30		
o-Xylene	98	98	75 - 125	13	30		
sec-Butylbenzene	96	91	65 - 130	20	30		
Styrene	95	96	75 - 125	12	30		
tert-Butylbenzene	100	97	65 - 130	17	30		
Tetrachloroethene	98	95	65 - 140	17	30		
Toluene	102	97	70 - 125	19	30		
trans-1,2-Dichloroethene	102	97	65 - 135	18	30		
trans-1,3-Dichloropropene	110	102	65 - 125	21	30		
Trichloroethene	100	97	75 - 125	18	30		
Trichlorofluoromethane	98	92	25 - 185	20	30		
Vinyl chloride	73	72	60 - 125	15	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	96	61 - 129
4-Bromofluorobenzene (Surr)	95	96	85 - 120
Dibromofluoromethane (Surr)	94	91	71 - 126
Toluene-d8 (Surr)	93	93	85 - 115

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-114240

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-27123-6	Units: ug/Kg		MSD Lab Sample ID:	280-27123-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/04/2012 1719			Analysis Date:	04/04/2012 1740
Prep Date:	04/04/2012 0600			Prep Date:	04/04/2012 0600
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	1.2	U	59.8	52.1	65.4		54.0	
1,1,1-Trichloroethane	1.2	U	59.8	52.1	60.0		50.0	
1,1-Dichloroethane	0.99	U	59.8	52.1	64.6		54.6	
1,2,3-Trichlorobenzene	1.2	U	59.8	52.1	31.1	J	27.5	J
1,2,3-Trichloropropane	1.2	U	59.8	52.1	60.0		47.0	
1,2,4-Trichlorobenzene	1.2	U	59.8	52.1	38.8		32.6	J
1,1-Dichloropropene	1.2	U	59.8	52.1	56.8		46.3	
1,1-Dichloroethene	1.2	U	59.8	52.1	58.3		47.3	
1,2-Dibromo-3-Chloropropane	1.2	U	59.8	52.1	46.1		38.8	
1,1,2-Trichloroethane	1.2	U	59.8	52.1	65.2		52.9	
1,1,2,2-Tetrachloroethane	1.2	U	59.8	52.1	55.2		46.3	
1,2,4-Trimethylbenzene	1.2	U	59.8	52.1	58.8		48.8	
1,2-Dichlorobenzene	1.2	U	59.8	52.1	56.2		47.6	
1,2-Dichloroethane	1.2	U	59.8	52.1	78.2		63.4	
1,3-Dichlorobenzene	1.2	U	59.8	52.1	57.6		49.7	
1,3-Dichloropropane	1.2	U	59.8	52.1	58.9		48.9	
1,3,5-Trimethylbenzene	1.2	U	59.8	52.1	60.6		49.9	
1,4-Dichlorobenzene	1.2	U	59.8	52.1	56.7		48.7	
1,2-Dichloropropane	1.2	U	59.8	52.1	62.8		46.5	M
2,2-Dichloropropane	1.2	U	59.8	52.1	62.3		52.6	
2-Butanone (MEK)	8.0	U	239	209	594	J	444	J
2-Hexanone	12	U	239	209	201		156	
4-Isopropyltoluene	1.2	U	59.8	52.1	55.8		45.3	
4-Methyl-2-pentanone (MIBK)	12	U	239	209	246		192	
Acetone	12	U	239	209	131		103	
Benzene	1.2	U	59.8	52.1	62.6		51.6	
Bromobenzene	1.2	U	59.8	52.1	62.2		51.6	
Bromoform	0.99	U	59.8	52.1	63.0		51.9	
2-Chlorotoluene	1.2	U	59.8	52.1	61.1		50.3	
Bromomethane	1.2	U	59.8	52.1	53.6		44.3	
4-Chlorotoluene	1.2	U	59.8	52.1	59.9		50.4	
Carbon disulfide	1.2	U	59.8	52.1	48.6		42.8	
Carbon tetrachloride	1.2	U	59.8	52.1	63.1		51.8	
Chlorobenzene	1.2	U	59.8	52.1	61.4		51.2	
Chlorobromomethane	1.2	U	59.8	52.1	67.2		54.0	
Chlorodibromomethane	1.2	U	59.8	52.1	62.3		51.2	
Chloroethane	1.2	U	59.8	52.1	52.8		44.7	
Chloroform	1.2	U	59.8	52.1	67.4		54.4	
Chloromethane	1.2	U	59.8	52.1	52.4		45.7	
cis-1,2-Dichloroethene	1.2	U	59.8	52.1	63.0		52.8	
cis-1,3-Dichloropropene	2.5	U	59.8	52.1	62.2		50.2	
Dibromomethane	1.2	U	59.8	52.1	64.0		51.6	
Dichlorobromomethane	0.99	U	59.8	52.1	67.5		55.4	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-114240

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-27123-6	Units:	ug/Kg	MSD Lab Sample ID:	280-27123-6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/04/2012 1719			Analysis Date:	04/04/2012 1740
Prep Date:	04/04/2012 0600			Prep Date:	04/04/2012 0600
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Dichlorodifluoromethane	1.2	U	59.8	52.1	46.6	39.1
Ethylbenzene	1.2	U	59.8	52.1	59.2	49.5
Ethylene Dibromide	1.2	U	59.8	52.1	56.6	46.8
Hexachlorobutadiene	1.2	U	59.8	52.1	39.7	32.5
Isopropylbenzene	1.2	U	59.8	52.1	59.9	50.1
Methyl tert-butyl ether	1.2	U	59.8	52.1	62.5	50.4
Methylene Chloride	3.0	J	59.8	52.1	66.0	54.3
m-Xylene & p-Xylene	2.5	U	120	104	117	95.0
Naphthalene	1.2	U	59.8	52.1	31.3	26.9
n-Butylbenzene	1.2	U	59.8	52.1	52.5	44.0
N-Propylbenzene	1.2	U	59.8	52.1	58.0	48.6
o-Xylene	1.2	U	59.8	52.1	58.3	51.2
sec-Butylbenzene	1.2	U	59.8	52.1	57.6	47.2
Styrene	1.2	U	59.8	52.1	56.6	50.2
tert-Butylbenzene	1.2	U	59.8	52.1	59.8	50.5
Tetrachloroethene	1.2	U	59.8	52.1	58.9	49.7
Toluene	1.2	U	59.8	52.1	61.2	50.8
trans-1,2-Dichloroethene	1.2	U	59.8	52.1	60.9	50.8
trans-1,3-Dichloropropene	1.2	U	59.8	52.1	65.8	53.2
Trichloroethene	0.99	U	59.8	52.1	60.0	50.4
Trichlorofluoromethane	2.5	U	59.8	52.1	58.4	47.8
Vinyl chloride	2.5	U	59.8	52.1	43.7	37.8

Method Blank - Batch: 280-114501

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-114501/1-A	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Client Matrix:	Solid	Prep Batch:	280-114501	Lab File ID:	G2_5389.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/06/2012 1028	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	1.0	U	0.56	5.0
1,1,1-Trichloroethane	1.0	U	0.52	5.0
1,2,3-Trichlorobenzene	1.0	U	0.75	5.0
1,1-Dichloroethane	0.80	U	0.21	5.0
1,2,3-Trichloropropane	1.0	U	0.81	5.0
1,2,4-Trichlorobenzene	1.0	U	0.73	5.0
1,1-Dichloropropene	1.0	U	0.54	5.0
1,1-Dichloroethene	1.0	U	0.59	5.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.60	10
1,1,2-Trichloroethane	1.0	U	0.88	5.0
1,1,2,2-Tetrachloroethane	1.0	U	0.61	5.0
1,2,4-Trimethylbenzene	1.0	U	0.58	5.0
1,2-Dichlorobenzene	1.0	U	0.45	5.0
1,2-Dichloroethane	1.0	U	0.70	5.0
1,3-Dichlorobenzene	1.0	U	0.48	5.0
1,3-Dichloropropane	1.0	U	0.51	5.0
1,3,5-Trimethylbenzene	1.0	U	0.57	5.0
1,4-Dichlorobenzene	1.0	U	0.78	5.0
1,2-Dichloropropane	1.0	U	0.55	5.0
2,2-Dichloropropane	1.0	U	0.44	5.0
2-Butanone (MEK)	6.4	U	1.8	20
2-Hexanone	10	U	4.9	20
4-Isopropyltoluene	1.0	U	0.49	5.0
4-Methyl-2-pentanone (MIBK)	10	U	4.4	20
Acetone	10	U	5.4	20
Benzene	1.0	U	0.47	5.0
Bromobenzene	1.0	U	0.49	5.0
Bromoform	0.80	U	0.23	5.0
2-Chlorotoluene	1.0	U	0.51	5.0
Bromomethane	1.0	U	0.50	10
Carbon disulfide	0.529	J	0.42	5.0
4-Chlorotoluene	1.0	U	0.78	5.0
Carbon tetrachloride	1.0	U	0.63	5.0
Chlorobenzene	1.0	U	0.54	5.0
Chlorobromomethane	1.0	U	0.30	5.0
Chlorodibromomethane	1.0	U	0.57	5.0
Chloroethane	1.0	U	0.89	10
Chloroform	1.0	U	0.29	10
Chloromethane	1.0	U	0.77	10
cis-1,2-Dichloroethene	1.0	U	0.56	5.0
cis-1,3-Dichloropropene	2.0	U	1.3	5.0
Dibromomethane	1.0	U	0.84	5.0
Dichlorobromomethane	0.80	U	0.22	5.0
Dichlorodifluoromethane	1.0	U	0.52	10
Ethylbenzene	1.0	U	0.67	5.0

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-114501

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-114501/1-A	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Client Matrix:	Solid	Prep Batch:	280-114501	Lab File ID:	G2_5389.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/06/2012 1028	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ethylene Dibromide	1.0	U	0.52	5.0
Hexachlorobutadiene	1.0	U	0.55	5.0
Isopropylbenzene	1.0	U	0.59	5.0
Methyl tert-butyl ether	1.0	U	0.34	20
Methylene Chloride	3.2	U	1.6	5.0
m-Xylene & p-Xylene	2.0	U	1.0	3.2
Naphthalene	1.0	U	0.63	5.0
n-Butylbenzene	1.0	U	0.56	5.0
N-Propylbenzene	1.0	U	0.58	5.0
o-Xylene	1.0	U	0.61	5.0
sec-Butylbenzene	1.0	U	0.77	5.0
Styrene	1.0	U	0.63	5.0
tert-Butylbenzene	1.0	U	0.50	5.0
Tetrachloroethene	1.0	U	0.59	5.0
Toluene	1.0	U	0.69	5.0
1,4-Dioxane	80	U	56	500
1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	0.45	20
trans-1,2-Dichloroethene	1.0	U	0.39	5.0
1-Chlorohexane	0.80	U	0.63	5.0
trans-1,3-Dichloropropene	1.0	U	0.67	5.0
Cyclohexane	1.6	U	0.40	5.0
Trichloroethene	0.80	U	0.23	5.0
Methyl acetate	4.0	U	2.8	8.5
Trichlorofluoromethane	2.0	U	1.0	10
Vinyl chloride	2.0	U	1.3	5.0
Methylcyclohexane	0.80	U	0.42	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81	61 - 129
4-Bromofluorobenzene (Surr)	96	85 - 120
Dibromofluoromethane (Surr)	84	71 - 126
Toluene-d8 (Surr)	100	85 - 115

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample - Batch: 280-114501

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-114501/2-A	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Client Matrix:	Solid	Prep Batch:	280-114501	Lab File ID:	G2_5387.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/06/2012 0950	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	50.0	52.0	104	75 - 125	
1,1,1-Trichloroethane	50.0	39.4	79	70 - 135	
1,2,3-Trichlorobenzene	50.0	51.7	103	60 - 135	
1,1-Dichloroethane	50.0	41.7	83	75 - 125	
1,2,3-Trichloropropane	50.0	53.3	107	65 - 130	
1,2,4-Trichlorobenzene	50.0	50.8	102	65 - 130	
1,1-Dichloropropene	50.0	40.7	81	70 - 135	
1,1-Dichloroethene	50.0	42.5	85	65 - 135	
1,2-Dibromo-3-Chloropropane	50.0	49.6	99	40 - 135	
1,1,2-Trichloroethane	50.0	45.3	91	60 - 125	
1,1,2,2-Tetrachloroethane	50.0	52.5	105	55 - 130	
1,2,4-Trimethylbenzene	50.0	47.7	95	65 - 135	
1,2-Dichlorobenzene	50.0	49.5	99	75 - 120	
1,2-Dichloroethane	50.0	48.0	96	70 - 135	
1,3-Dichlorobenzene	50.0	48.3	97	70 - 125	
1,3-Dichloropropane	50.0	51.7	103	75 - 125	
1,3,5-Trimethylbenzene	50.0	48.4	97	65 - 135	
1,4-Dichlorobenzene	50.0	48.5	97	70 - 125	
1,2-Dichloropropane	50.0	41.2	82	70 - 120	
2,2-Dichloropropane	50.0	37.9	76	65 - 135	
2-Butanone (MEK)	200	233	117	30 - 160	
2-Hexanone	200	216	108	45 - 145	
4-Isopropyltoluene	50.0	47.4	95	75 - 135	
4-Methyl-2-pentanone (MIBK)	200	193	97	45 - 145	
Acetone	200	183	91	20 - 160	
Benzene	50.0	41.3	83	75 - 125	
Bromobenzene	50.0	50.1	100	65 - 120	
Bromoform	50.0	51.1	102	55 - 135	
2-Chlorotoluene	50.0	48.3	97	70 - 130	
Bromomethane	50.0	48.2	96	30 - 160	
Carbon disulfide	50.0	34.0	68	45 - 160	
4-Chlorotoluene	50.0	47.7	95	75 - 125	
Carbon tetrachloride	50.0	41.1	82	65 - 135	
Chlorobenzene	50.0	48.7	97	75 - 125	
Chlorobromomethane	50.0	45.9	92	70 - 125	
Chlorodibromomethane	50.0	56.1	112	65 - 130	
Chloroethane	50.0	45.7	91	40 - 155	
Chloroform	50.0	43.6	87	70 - 125	
Chloromethane	50.0	48.5	97	50 - 130	
cis-1,2-Dichloroethene	50.0	43.2	86	65 - 125	
cis-1,3-Dichloropropene	50.0	42.7	85	70 - 125	
Dibromomethane	50.0	46.0	92	75 - 130	
Dichlorobromomethane	50.0	46.2	92	70 - 130	
Dichlorodifluoromethane	50.0	34.9	70	35 - 135	
Ethylbenzene	50.0	47.4	95	75 - 125	
Ethylene Dibromide	50.0	53.6	107	70 - 125	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample - Batch: 280-114501

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-114501/2-A	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Client Matrix:	Solid	Prep Batch:	280-114501	Lab File ID:	G2_5387.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/06/2012 0950	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachlorobutadiene	50.0	48.9	98	55 - 140	
Isopropylbenzene	50.0	48.5	97	75 - 130	
Methyl tert-butyl ether	50.0	41.6	83	67 - 119	
Methylene Chloride	50.0	44.6	89	55 - 140	
m-Xylene & p-Xylene	100	92.7	93	80 - 125	
Naphthalene	50.0	50.1	100	40 - 125	
n-Butylbenzene	50.0	46.2	92	65 - 140	
N-Propylbenzene	50.0	46.8	94	65 - 135	
o-Xylene	50.0	47.0	94	75 - 125	
sec-Butylbenzene	50.0	48.7	97	65 - 130	
Styrene	50.0	48.2	96	75 - 125	
tert-Butylbenzene	50.0	49.7	99	65 - 130	
Tetrachloroethene	50.0	49.3	99	65 - 140	
Toluene	50.0	41.1	82	70 - 125	
trans-1,2-Dichloroethene	50.0	41.6	83	65 - 135	
trans-1,3-Dichloropropene	50.0	43.3	87	65 - 125	
Trichloroethene	50.0	42.2	84	75 - 125	
Trichlorofluoromethane	50.0	46.1	92	25 - 185	
Vinyl chloride	50.0	45.6	91	60 - 125	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82	61 - 129
4-Bromofluorobenzene (Surr)	96	85 - 120
Dibromofluoromethane (Surr)	85	71 - 126
Toluene-d8 (Surr)	101	85 - 115

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-114501

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-27123-4	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Client Matrix:	Solid	Prep Batch:	280-114501	Lab File ID:	G2_5392.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.110 g
Analysis Date:	04/06/2012 1139			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-4	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Client Matrix:	Solid	Prep Batch:	280-114501	Lab File ID:	G2_5393.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.048 g
Analysis Date:	04/06/2012 1158			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	95	98	75 - 125	4	30		
1,1,1-Trichloroethane	78	79	70 - 135	1	30		
1,1-Dichloroethane	85	83	75 - 125	1	30		
1,2,3-Trichlorobenzene	26	26	60 - 135	1	30	J	J
1,2,3-Trichloropropane	115	123	65 - 130	8	30		
1,2,4-Trichlorobenzene	32	32	65 - 130	2	30	J	J
1,1-Dichloropropene	78	74	70 - 135	4	30		
1,1-Dichloroethene	84	82	65 - 135	2	30		
1,2-Dibromo-3-Chloropropane	66	69	40 - 135	5	30		
1,1,2-Trichloroethane	75	74	60 - 125	0	30		
1,1,2,2-Tetrachloroethane	99	108	55 - 130	9	30		
1,2,4-Trimethylbenzene	88	90	65 - 135	4	30		
1,2-Dichlorobenzene	61	65	75 - 120	8	30	J	J
1,2-Dichloroethane	91	89	70 - 135	1	30		
1,3-Dichlorobenzene	71	73	70 - 125	5	30		
1,3-Dichloropropane	105	105	75 - 125	1	30		
1,3,5-Trimethylbenzene	95	96	65 - 135	2	30		
1,4-Dichlorobenzene	68	72	70 - 125	7	30	J	
1,2-Dichloropropane	79	79	70 - 120	0	30		
2,2-Dichloropropane	78	76	65 - 135	1	30		
2-Butanone (MEK)	286	312	30 - 160	10	30	J	J
2-Hexanone	94	91	45 - 145	2	30		
4-Isopropyltoluene	84	81	75 - 135	2	30		
4-Methyl-2-pentanone (MIBK)	84	84	45 - 145	1	30		
Acetone	59	61	20 - 160	4	30		
Benzene	81	77	75 - 125	4	30		
Bromobenzene	95	99	65 - 120	6	30		
Bromoform	73	73	55 - 135	1	30		
2-Chlorotoluene	94	96	70 - 130	4	30		
Bromomethane	94	94	30 - 160	2	30		
4-Chlorotoluene	89	93	75 - 125	5	30		
Carbon disulfide	65	63	45 - 160	1	30		
Carbon tetrachloride	79	78	65 - 135	0	30		

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-114501

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-27123-4	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Client Matrix:	Solid	Prep Batch:	280-114501	Lab File ID:	G2_5392.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.110 g
Analysis Date:	04/06/2012 1139			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-4	Analysis Batch:	280-114709	Instrument ID:	MSV_G2
Client Matrix:	Solid	Prep Batch:	280-114501	Lab File ID:	G2_5393.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.048 g
Analysis Date:	04/06/2012 1158			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 0600				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	84	85	75 - 125	2	30		
Chlorobromomethane	88	87	70 - 125	0	30		
Chlorodibromomethane	102	102	65 - 130	2	30		
Chloroethane	92	94	40 - 155	4	30		
Chloroform	86	86	70 - 125	0	30		
Chloromethane	101	103	50 - 130	3	30		
cis-1,2-Dichloroethene	84	82	65 - 125	1	30		
cis-1,3-Dichloropropene	69	65	70 - 125	5	30	J	J
Dibromomethane	81	80	75 - 130	0	30		
Dichlorobromomethane	84	82	70 - 130	1	30		
Dichlorodifluoromethane	71	71	35 - 135	2	30		
Ethylbenzene	88	88	75 - 125	1	30		
Ethylene Dibromide	100	99	70 - 125	0	30		
Hexachlorobutadiene	55	48	55 - 140	12	30		J
Isopropylbenzene	113	115	75 - 130	4	30		
Methyl tert-butyl ether	82	82	67 - 119	1	30		
Methylene Chloride	90	88	55 - 140	1	30		
m-Xylene & p-Xylene	82	82	80 - 125	1	30		
Naphthalene	26	26	40 - 125	3	30	J	J
n-Butylbenzene	74	70	65 - 140	4	30		
N-Propylbenzene	100	101	65 - 135	2	30		
o-Xylene	79	82	75 - 125	4	30		
sec-Butylbenzene	90	87	65 - 130	3	30		
Styrene	69	69	75 - 125	1	30	J	J
tert-Butylbenzene	99	98	65 - 130	0	30		
Tetrachloroethene	94	93	65 - 140	0	30		
Toluene	73	70	70 - 125	3	30		
trans-1,2-Dichloroethene	84	81	65 - 135	2	30		
trans-1,3-Dichloropropene	68	65	65 - 125	3	30		
Trichloroethene	79	76	75 - 125	2	30		
Trichlorofluoromethane	91	94	25 - 185	4	30		
Vinyl chloride	93	95	60 - 125	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79	80	61 - 129
4-Bromofluorobenzene (Surr)	116	117	85 - 120
Dibromofluoromethane (Surr)	84	85	71 - 126
Toluene-d8 (Surr)	111	114	85 - 115

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-114501

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-27123-4	Units: ug/Kg		MSD Lab Sample ID:	280-27123-4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/06/2012 1139			Analysis Date:	04/06/2012 1158
Prep Date:	04/06/2012 0600			Prep Date:	04/06/2012 0600
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	1.5	U	72.3	73.2	68.9		71.6	
1,1,1-Trichloroethane	1.5	U	72.3	73.2	56.8		57.5	
1,1-Dichloroethane	1.2	U	72.3	73.2	61.6		61.1	
1,2,3-Trichlorobenzene	1.5	U	72.3	73.2	18.8	J	19.0	J
1,2,3-Trichloropropane	1.5	U	72.3	73.2	83.0		90.0	
1,2,4-Trichlorobenzene	1.5	U	72.3	73.2	23.3	J	23.7	J
1,1-Dichloropropene	1.5	U	72.3	73.2	56.2		54.0	
1,1-Dichloroethene	1.5	U	72.3	73.2	60.8		59.9	
1,2-Dibromo-3-Chloropropane	1.5	U	72.3	73.2	48.1		50.3	
1,1,2-Trichloroethane	1.5	U	72.3	73.2	54.0		54.1	
1,1,2,2-Tetrachloroethane	1.5	U	72.3	73.2	71.9		78.8	
1,2,4-Trimethylbenzene	1.5	U	72.3	73.2	63.5		66.2	
1,2-Dichlorobenzene	1.5	U	72.3	73.2	43.9	J	47.4	J
1,2-Dichloroethane	1.5	U	72.3	73.2	65.9		65.3	
1,3-Dichlorobenzene	1.5	U	72.3	73.2	51.1		53.6	
1,3-Dichloropropane	1.5	U	72.3	73.2	76.1		77.2	
1,3,5-Trimethylbenzene	1.5	U	72.3	73.2	68.4		70.0	
1,4-Dichlorobenzene	1.5	U	72.3	73.2	49.0	J	52.4	
1,2-Dichloropropane	1.5	U	72.3	73.2	57.5		57.7	
2,2-Dichloropropane	1.5	U	72.3	73.2	56.1		55.6	
2-Butanone (MEK)	9.3	U	289	293	826	J	913	J
2-Hexanone	15	U	289	293	272		267	
4-Isopropyltoluene	1.5	U	72.3	73.2	60.6		59.6	
4-Methyl-2-pentanone (MIBK)	15	U	289	293	243		245	
Acetone	15	U	289	293	172		178	
Benzene	1.5	U	72.3	73.2	58.6		56.5	
Bromobenzene	1.5	U	72.3	73.2	68.4		72.5	
Bromoform	1.2	U	72.3	73.2	52.5		53.1	
2-Chlorotoluene	1.5	U	72.3	73.2	67.9		70.3	
Bromomethane	1.5	U	72.3	73.2	68.0		69.1	
4-Chlorotoluene	1.5	U	72.3	73.2	64.6		67.9	
Carbon disulfide	1.5	U	72.3	73.2	46.9		46.4	
Carbon tetrachloride	1.5	U	72.3	73.2	57.2		57.1	
Chlorobenzene	1.5	U	72.3	73.2	61.0		62.3	
Chlorobromomethane	1.5	U	72.3	73.2	63.8		64.1	
Chlorodibromomethane	1.5	U	72.3	73.2	73.7		74.9	
Chloroethane	1.5	U	72.3	73.2	66.6		69.1	
Chloroform	1.5	U	72.3	73.2	62.6		62.8	
Chloromethane	1.5	U	72.3	73.2	73.2		75.6	
cis-1,2-Dichloroethene	1.5	U	72.3	73.2	60.9		60.2	
cis-1,3-Dichloropropene	2.9	U	72.3	73.2	50.0	J	47.7	J
Dibromomethane	1.5	U	72.3	73.2	58.6		58.8	
Dichlorobromomethane	1.2	U	72.3	73.2	60.6		60.3	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-114501

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-27123-4	Units:	ug/Kg	MSD Lab Sample ID:	280-27123-4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/06/2012 1139			Analysis Date:	04/06/2012 1158
Prep Date:	04/06/2012 0600			Prep Date:	04/06/2012 0600
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dichlorodifluoromethane	1.5	U	72.3	73.2	51.1		52.3	
Ethylbenzene	1.5	U	72.3	73.2	63.6		64.3	
Ethylene Dibromide	1.5	U	72.3	73.2	72.0		72.3	
Hexachlorobutadiene	1.5	U	72.3	73.2	39.5		35.2	J
Isopropylbenzene	1.5	U	72.3	73.2	81.4		84.5	
Methyl tert-butyl ether	1.5	U	72.3	73.2	59.5		60.0	
Methylene Chloride	4.6	U	72.3	73.2	65.3		64.6	
m-Xylene & p-Xylene	2.9	U	145	146	119		121	
Naphthalene	1.5	U	72.3	73.2	18.5	J	19.0	J
n-Butylbenzene	1.5	U	72.3	73.2	53.5		51.4	
N-Propylbenzene	1.5	U	72.3	73.2	72.4		73.9	
o-Xylene	1.5	U	72.3	73.2	57.3		59.7	
sec-Butylbenzene	1.5	U	72.3	73.2	65.3		63.4	
Styrene	1.5	U	72.3	73.2	50.2	J	50.7	J
tert-Butylbenzene	1.5	U	72.3	73.2	71.5		71.6	
Tetrachloroethene	1.5	U	72.3	73.2	67.7		68.0	
Toluene	1.5	U	72.3	73.2	52.6		51.0	
trans-1,2-Dichloroethene	1.5	U	72.3	73.2	60.7		59.4	
trans-1,3-Dichloropropene	1.5	U	72.3	73.2	49.1		47.6	
Trichloroethene	1.2	U	72.3	73.2	57.3		56.0	
Trichlorofluoromethane	2.9	U	72.3	73.2	66.0		68.6	
Vinyl chloride	2.9	U	72.3	73.2	67.2		69.5	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-114706

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-114706/5	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR4247.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0742	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0742				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.80	U	0.14	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Hexanone	3.2	U	1.4	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
Acetone	6.4	U	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
2-Chlorotoluene	0.40	U	0.17	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
4-Chlorotoluene	0.40	U	0.17	1.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	1.6	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-114706

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-114706/5	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR4247.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0742	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0742				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ethylene Dibromide	0.20	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.12	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylene Chloride	0.40	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.14	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
1-Chlorohexane	0.20	U	0.17	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Cyclohexane	0.40	U	0.28	2.0
Trichloroethene	0.20	U	0.16	1.0
Methyl acetate	2.0	U	1.6	5.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	70 - 120
4-Bromofluorobenzene (Surr)	103	75 - 120
Dibromofluoromethane (Surr)	104	85 - 115
Toluene-d8 (Surr)	108	85 - 120

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample - Batch: 280-114706

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-114706/4	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR4246.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0717	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0717				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	5.00	4.87	97	80 - 130	
1,1,1-Trichloroethane	5.00	5.04	101	65 - 130	
1,2,3-Trichlorobenzene	5.00	5.00	100	55 - 140	
1,1-Dichloroethane	5.00	5.16	103	70 - 135	
1,2,3-Trichloropropane	5.00	5.38	108	75 - 125	
1,2,4-Trichlorobenzene	5.00	5.12	102	65 - 135	
1,1-Dichloropropene	5.00	5.04	101	75 - 130	
1,1-Dichloroethene	5.00	5.25	105	70 - 130	
1,2-Dibromo-3-Chloropropane	5.00	5.19	104	50 - 130	
1,1,2-Trichloroethane	5.00	5.24	105	75 - 125	
1,1,2,2-Tetrachloroethane	5.00	5.25	105	65 - 130	
1,2,4-Trimethylbenzene	5.00	5.05	101	75 - 130	
1,2-Dichlorobenzene	5.00	4.88	98	70 - 120	
1,2-Dichloroethane	5.00	5.60	112	70 - 130	
1,3-Dichlorobenzene	5.00	4.86	97	75 - 125	
1,3-Dichloropropane	5.00	5.08	102	75 - 125	
1,3,5-Trimethylbenzene	5.00	5.10	102	75 - 130	
1,4-Dichlorobenzene	5.00	4.74	95	75 - 125	
1,2-Dichloropropane	5.00	5.15	103	75 - 125	
2,2-Dichloropropane	5.00	5.44	109	70 - 135	
2-Butanone (MEK)	20.0	25.4	127	30 - 150	
2-Hexanone	20.0	22.2	111	55 - 130	
4-Isopropyltoluene	5.00	4.86	97	75 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	21.2	106	60 - 135	
Acetone	20.0	21.2	106	40 - 140	
Benzene	5.00	5.17	103	80 - 120	
Bromobenzene	5.00	5.16	103	75 - 125	
Bromoform	5.00	5.47	109	70 - 130	
2-Chlorotoluene	5.00	4.96	99	75 - 125	
Bromomethane	5.00	4.36	87	30 - 145	
Carbon disulfide	5.00	3.41	68	35 - 160	
4-Chlorotoluene	5.00	5.04	101	75 - 130	
Carbon tetrachloride	5.00	4.96	99	65 - 140	
Chlorobenzene	5.00	4.83	97	80 - 120	
Chlorobromomethane	5.00	5.05	101	65 - 130	
Chlorodibromomethane	5.00	4.99	100	60 - 135	
Chloroethane	5.00	4.70	94	60 - 135	
Chloroform	5.00	4.99	100	65 - 135	
Chloromethane	5.00	4.74	95	40 - 125	
cis-1,2-Dichloroethene	5.00	5.24	105	70 - 125	
cis-1,3-Dichloropropene	5.00	5.04	101	70 - 130	
Dibromomethane	5.00	5.39	108	75 - 125	
Dichlorobromomethane	5.00	5.06	101	75 - 120	
Dichlorodifluoromethane	5.00	3.82	76	30 - 155	
Ethylbenzene	5.00	5.06	101	75 - 125	
Ethylene Dibromide	5.00	5.32	106	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample - Batch: 280-114706

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-114706/4	Analysis Batch:	280-114706	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR4246.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/09/2012 0717	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/09/2012 0717				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachlorobutadiene	5.00	5.00	100	50 - 140	
Isopropylbenzene	5.00	5.07	101	75 - 125	
Methyl tert-butyl ether	5.00	5.51	110	65 - 125	
Methylene Chloride	5.00	5.28	106	55 - 140	
m-Xylene & p-Xylene	10.0	10.2	102	75 - 130	
Naphthalene	5.00	4.84	97	55 - 140	
n-Butylbenzene	5.00	5.05	101	70 - 135	
N-Propylbenzene	5.00	4.98	100	70 - 130	
o-Xylene	5.00	5.05	101	80 - 120	
sec-Butylbenzene	5.00	5.02	100	70 - 125	
Styrene	5.00	5.21	104	65 - 135	
tert-Butylbenzene	5.00	4.96	99	70 - 130	
Tetrachloroethene	5.00	5.17	103	45 - 150	
Toluene	5.00	5.09	102	75 - 120	
trans-1,2-Dichloroethene	5.00	5.04	101	60 - 140	
trans-1,3-Dichloropropene	5.00	5.35	107	55 - 140	
Trichloroethene	5.00	5.17	103	70 - 125	
Trichlorofluoromethane	5.00	4.46	89	60 - 145	
Vinyl chloride	5.00	4.51	90	50 - 145	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	70 - 120
4-Bromofluorobenzene (Surr)	99	75 - 120
Dibromofluoromethane (Surr)	104	85 - 115
Toluene-d8 (Surr)	107	85 - 120

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-113829

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	MB 280-113829/1-A	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Solid	Prep Batch:	280-113829	Lab File ID:	D0139.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.5 g
Analysis Date:	04/18/2012 2131	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1'-Biphenyl	30	U	46	300
1,2,4,5-Tetrachlorobenzene	62	U	45	300
1,2,4-Trichlorobenzene	30	U	26	300
1,2-Dichlorobenzene	30	U	20	300
1,2-Diphenylhydrazine	30	U	20	300
1,3-Dichlorobenzene	30	U	11	300
1,4-Dichlorobenzene	30	U	13	300
2,2'-oxybis[1-chloropropane]	30	U	21	300
2,3,4,6-Tetrachlorophenol	30	U	130	1500
2,4,5-Trichlorophenol	120	U	9.2	300
2,4,6-Trichlorophenol	61	U	9.2	300
2,4-Dichlorophenol	61	U	9.2	300
2,4-Dimethylphenol	120	U	61	300
2,4-Dinitrophenol	620	U	310	1500
2,4-Dinitrotoluene	120	U	61	300
2,6-Dichlorophenol	120	U	64	300
2,6-Dinitrotoluene	61	U	26	300
2-Chloronaphthalene	30	U	9.2	300
2-Chlorophenol	30	U	19	300
2-Methylnaphthalene	30	U	18	300
2-Methylphenol	30	U	12	300
2-Nitroaniline	61	U	46	1500
2-Nitrophenol	61	U	9.2	300
3 & 4 Methylphenol	61	U	30	300
3,3'-Dichlorobenzidine	300	U	83	1500
3-Nitroaniline	120	U	67	1500
4,6-Dinitro-2-methylphenol	610	U	300	1500
4-Bromophenyl phenyl ether	30	U	18	300
4-Chloro-3-methylphenol	120	U	61	300
4-Chloroaniline	120	U	76	300
4-Chlorophenyl phenyl ether	61	U	19	300
4-Nitroaniline	120	U	67	1500
4-Nitrophenol	300	U	90	1500
Acenaphthene	16	U	9.5	300
Acenaphthylene	30	U	16	300
Acetophenone	30	U	18	300
Anthracene	30	U	16	300
Atrazine	120	U	34	300
Benzaldehyde	62	U	36	300
Benzidine	3700	U	910	3700
Benzo[a]anthracene	30	U	18	300
Benzo[a]pyrene	30	U	18	300
Benzo[b]fluoranthene	30	U	24	300
Benzo[g,h,i]perylene	30	U	15	300
Benzo[k]fluoranthene	61	U	37	300

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-113829

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	MB 280-113829/1-A	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Solid	Prep Batch:	280-113829	Lab File ID:	D0139.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.5 g
Analysis Date:	04/18/2012 2131	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Benzoic acid	610	U	300	1500
Benzyl alcohol	30	U	9.2	300
Bis(2-chloroethoxy)methane	61	U	21	300
Bis(2-chloroethyl)ether	30	U	15	300
Bis(2-ethylhexyl) phthalate	76.0	J	42	300
Butyl benzyl phthalate	61	U	40	300
Caprolactam	300	U	98	1500
Carbazole	62	U	33	300
Chrysene	30	U	25	300
Dibenz(a,h)anthracene	30	U	18	300
Dibenzofuran	30	U	18	300
Diethyl phthalate	30	U	24	610
Dimethyl phthalate	30	U	21	300
Di-n-butyl phthalate	30	U	27	300
Di-n-octyl phthalate	61	U	13	300
Fluoranthene	61	U	33	300
Fluorene	30	U	17	300
Hexachlorobenzene	61	U	27	300
Hexachlorobutadiene	61	U	9.2	300
Hexachlorocyclopentadiene	61	U	46	1600
Hexachloroethane	30	U	20	300
Indeno[1,2,3-cd]pyrene	30	U	20	300
Isophorone	30	U	16	300
Naphthalene	61	U	29	300
Nitrobenzene	30	U	20	300
N-Nitrosodimethylamine	61	U	34	480
N-Nitrosodi-n-propylamine	61	U	29	300
N-Nitrosodiphenylamine	30	U	19	300
N-Nitrosopyrrolidine	120	U	59	300
Pentachlorophenol	620	U	300	1500
Phenanthrene	30	U	16	300
Phenol	30	U	17	300
Pyrene	30	U	11	370

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	83	35 - 125
2-Fluorobiphenyl	80	45 - 105
2-Fluorophenol (Surr)	81	35 - 105
Nitrobenzene-d5 (Surr)	76	35 - 100
Phenol-d5 (Surr)	82	40 - 100
Terphenyl-d14 (Surr)	104	30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample - Batch: 280-113829

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	LCS 280-113829/2-A	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Solid	Prep Batch:	280-113829	Lab File ID:	D0122.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.9 g
Analysis Date:	04/18/2012 1617	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	2510	1960	78	45 - 110	
1,2-Dichlorobenzene	2510	1960	78	45 - 95	
1,2-Diphenylhydrazine	2540	2270	89	54 - 120	
1,3-Dichlorobenzene	2510	1920	77	40 - 100	
1,4-Dichlorobenzene	2510	1970	78	35 - 105	
2,2'-oxybis[1-chloropropane]	2510	1860	74	20 - 115	
2,4,5-Trichlorophenol	2510	2360	94	50 - 110	
2,4,6-Trichlorophenol	2510	2140	85	45 - 110	
2,4-Dichlorophenol	2510	2060	82	45 - 110	
2,4-Dimethylphenol	2510	1960	78	30 - 105	
2,4-Dinitrophenol	2510	1890	75	15 - 130	
2,4-Dinitrotoluene	2510	2370	94	50 - 115	
2,6-Dinitrotoluene	2510	2240	89	50 - 110	
2-Chloronaphthalene	2510	2050	82	45 - 105	
2-Chlorophenol	2510	2080	83	45 - 105	
2-Methylnaphthalene	2510	1950	78	45 - 105	
2-Methylphenol	2510	2090	84	40 - 105	
2-Nitroaniline	2510	2480	99	45 - 120	
2-Nitrophenol	2510	2050	82	40 - 110	
3 & 4 Methylphenol	5020	4380	87	40 - 105	
3,3'-Dichlorobenzidine	2510	1780	71	10 - 130	
3-Nitroaniline	2510	2090	83	25 - 110	
4,6-Dinitro-2-methylphenol	2510	2200	88	30 - 135	
4-Bromophenyl phenyl ether	2510	2270	91	45 - 115	
4-Chloro-3-methylphenol	2510	2190	87	45 - 115	
4-Chloroaniline	2510	1520	61	10 - 95	
4-Chlorophenyl phenyl ether	2510	2170	87	45 - 110	
4-Nitroaniline	2510	2340	93	35 - 115	
4-Nitrophenol	2510	2410	96	15 - 140	
Acenaphthene	2510	2090	83	45 - 110	
Acenaphthylene	2510	2130	85	45 - 105	
Anthracene	2510	2260	90	55 - 105	
Benzo[a]anthracene	2510	2300	92	50 - 110	
Benzo[a]pyrene	2510	1920	77	50 - 110	
Benzo[b]fluoranthene	2510	2000	80	45 - 115	
Benzo[g,h,i]perylene	2510	2280	91	40 - 125	
Benzo[k]fluoranthene	2510	2450	98	45 - 125	
Benzoic acid	2510	1630	65	10 - 110	
Benzyl alcohol	2510	2160	86	20 - 125	
Bis(2-chloroethoxy)methane	2510	2010	80	45 - 110	
Bis(2-chloroethyl)ether	2510	1880	75	40 - 105	
Bis(2-ethylhexyl) phthalate	2510	2310	92	45 - 125	
Butyl benzyl phthalate	2510	2260	90	50 - 125	
Carbazole	2510	2270	91	45 - 115	
Chrysene	2510	2320	92	55 - 110	
Dibenz(a,h)anthracene	2510	1590	64	40 - 125	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample - Batch: 280-113829

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	LCS 280-113829/2-A	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Solid	Prep Batch:	280-113829	Lab File ID:	D0122.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.9 g
Analysis Date:	04/18/2012 1617	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibenzofuran	2510	2160	86	50 - 105	
Diethyl phthalate	2510	2330	93	50 - 115	
Dimethyl phthalate	2510	2290	91	50 - 110	
Di-n-butyl phthalate	2510	2430	97	55 - 110	
Di-n-octyl phthalate	2510	2370	95	40 - 130	
Fluoranthene	2510	2380	95	55 - 115	
Fluorene	2510	2160	86	50 - 110	
Hexachlorobenzene	2510	2210	88	45 - 120	
Hexachlorobutadiene	2510	1910	76	40 - 115	
Hexachlorocyclopentadiene	2510	1990	79	35 - 123	
Hexachloroethane	2510	1940	77	35 - 110	
Indeno[1,2,3-cd]pyrene	2510	2030	81	40 - 120	
Isophorone	2510	1980	79	45 - 110	
Naphthalene	2510	1970	78	40 - 105	
Nitrobenzene	2510	2030	81	40 - 115	
N-Nitrosodimethylamine	2510	1990	79	20 - 115	
N-Nitrosodi-n-propylamine	2510	2070	83	40 - 115	
N-Nitrosodiphenylamine	2140	1900	89	50 - 115	
Pentachlorophenol	2510	2110	84	25 - 120	
Phenanthrene	2510	2260	90	50 - 110	
Phenol	2510	2030	81	40 - 100	
Pyrene	2510	2270	91	45 - 125	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	91	35 - 125
2-Fluorobiphenyl	81	45 - 105
2-Fluorophenol (Surr)	83	35 - 105
Nitrobenzene-d5 (Surr)	80	35 - 100
Phenol-d5 (Surr)	82	40 - 100
Terphenyl-d14 (Surr)	94	30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113829

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-27123-3	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Solid	Prep Batch:	280-113829	Lab File ID:	D0143.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.7 g
Analysis Date:	04/18/2012 2247			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-3	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Solid	Prep Batch:	280-113829	Lab File ID:	D0144.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.7 g
Analysis Date:	04/18/2012 2306			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	76	78	45 - 110	2.16	30		
1,2-Dichlorobenzene	73	67	45 - 95	8.13	30		
1,2-Diphenylhydrazine	83	89	54 - 120	6.64	30		
1,3-Dichlorobenzene	67	63	40 - 100	6.65	30		
1,4-Dichlorobenzene	70	65	35 - 105	6.82	30		
2,2'-oxybis[1-chloropropane]	74	73	20 - 115	1.22	30		
2,4,5-Trichlorophenol	95	99	50 - 110	4.57	30		
2,4,6-Trichlorophenol	88	95	45 - 110	7.68	30		
2,4-Dichlorophenol	91	94	45 - 110	2.83	30		
2,4-Dimethylphenol	87	94	30 - 105	6.86	30		
2,4-Dinitrophenol	63	68	15 - 130	7.80	30		
2,4-Dinitrotoluene	86	91	50 - 115	6.09	30		
2,6-Dinitrotoluene	84	89	50 - 110	5.94	30		
2-Chloronaphthalene	82	85	45 - 105	3.57	30		
2-Chlorophenol	83	85	45 - 105	1.86	30		
2-Methylnaphthalene	79	82	45 - 105	3.97	30		
2-Methylphenol	84	88	40 - 105	4.79	30		
2-Nitroaniline	98	102	45 - 120	3.78	30		
2-Nitrophenol	85	86	40 - 110	1.93	30		
3 & 4 Methylphenol	89	94	40 - 105	5.53	30		
3,3'-Dichlorobenzidine	0	0	10 - 130	NC	30	U J	U J
3-Nitroaniline	38	33	25 - 110	14.1	30	J	J
4,6-Dinitro-2-methylphenol	61	66	30 - 135	8.42	30		
4-Bromophenyl phenyl ether	86	93	45 - 115	8.37	30		
4-Chloro-3-methylphenol	93	98	45 - 115	5.62	30		
4-Chloroaniline	17	14	10 - 95	21.4	30		
4-Chlorophenyl phenyl ether	85	91	45 - 110	6.94	30		
4-Nitroaniline	36	28	35 - 115	26.6	30	J	J
4-Nitrophenol	97	101	15 - 140	4.33	30		
Acenaphthene	82	88	45 - 110	7.06	30		
Acenaphthylene	84	91	45 - 105	7.30	30		
Anthracene	82	91	55 - 105	9.30	30		
Benzo[a]anthracene	80	88	50 - 110	9.01	30		

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113829

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-27123-3	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Solid	Prep Batch:	280-113829	Lab File ID:	D0143.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.7 g
Analysis Date:	04/18/2012 2247			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-3	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Solid	Prep Batch:	280-113829	Lab File ID:	D0144.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.7 g
Analysis Date:	04/18/2012 2306			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[a]pyrene	65	72	50 - 110	8.63	30		
Benzo[b]fluoranthene	74	72	45 - 115	1.82	30		
Benzo[g,h,i]perylene	82	91	40 - 125	10.3	30		
Benzo[k]fluoranthene	79	96	45 - 125	19.5	30		
Benzoic acid	10	20	10 - 110	7.53	30		
Benzyl alcohol	88	91	20 - 125	3.35	30		
Bis(2-chloroethoxy)methane	79	82	45 - 110	3.37	30		
Bis(2-chloroethyl)ether	81	71	40 - 105	13.3	30		
Bis(2-ethylhexyl) phthalate	91	99	45 - 125	8.16	30		
Butyl benzyl phthalate	84	90	50 - 125	7.34	30		
Carbazole	81	90	45 - 115	10.0	30		
Chrysene	81	89	55 - 110	8.45	30		
Dibenz(a,h)anthracene	55	59	40 - 125	6.42	30		
Dibenzofuran	87	94	50 - 105	8.28	30		
Diethyl phthalate	88	93	50 - 115	5.69	30		
Dimethyl phthalate	85	91	50 - 110	7.39	30		
Di-n-butyl phthalate	93	102	55 - 110	8.76	30		
Di-n-octyl phthalate	96	102	40 - 130	6.16	30		
Fluoranthene	86	98	55 - 115	12.1	30		
Fluorene	85	91	50 - 110	6.13	30		
Hexachlorobenzene	84	92	45 - 120	8.56	30		
Hexachlorobutadiene	76	76	40 - 115	1.00	30		
Hexachlorocyclopentadiene	26	35	35 - 123	30.0	30	J	J
Hexachloroethane	58	57	35 - 110	2.02	30		
Indeno[1,2,3-cd]pyrene	73	81	40 - 120	9.70	30		
Isophorone	82	84	45 - 110	2.41	30		
Naphthalene	78	80	40 - 105	2.20	30		
Nitrobenzene	78	78	40 - 115	1.00	30		
N-Nitrosodimethylamine	69	64	20 - 115	6.47	30		
N-Nitrosodi-n-propylamine	83	82	40 - 115	0.000	30		
N-Nitrosodiphenylamine	80	88	50 - 115	8.59	30		
Pentachlorophenol	93	98	25 - 120	4.99	30		
Phenanthrene	83	93	50 - 110	10.7	30		

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113829

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-27123-3	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Solid	Prep Batch:	280-113829	Lab File ID:	D0143.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.7 g
Analysis Date:	04/18/2012 2247			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-3	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Solid	Prep Batch:	280-113829	Lab File ID:	D0144.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.7 g
Analysis Date:	04/18/2012 2306			Final Weight/Volume:	1000 uL
Prep Date:	03/31/2012 1317			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	83	86	40 - 100	4.18	30		
Pyrene	77	86	45 - 125	9.69	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	93	99	35 - 125
2-Fluorobiphenyl	79	87	45 - 105
2-Fluorophenol (Surr)	81	82	35 - 105
Nitrobenzene-d5 (Surr)	78	78	35 - 100
Phenol-d5 (Surr)	84	88	40 - 100
Terphenyl-d14 (Surr)	84	92	30 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113829

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-27123-3	Units:	ug/Kg	MSD Lab Sample ID:	280-27123-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/18/2012 2247			Analysis Date:	04/18/2012 2306
Prep Date:	03/31/2012 1317			Prep Date:	03/31/2012 1317
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,2,4-Trichlorobenzene	51	U	3900	3900	2960		3020	
1,2-Dichlorobenzene	51	U	3900	3900	2830		2610	
1,2-Diphenylhydrazine	51	U	3940	3940	3290		3510	
1,3-Dichlorobenzene	51	U	3900	3900	2620		2450	
1,4-Dichlorobenzene	51	U	3900	3900	2710		2530	
2,2'-oxybis[1-chloropropane]	51	U	3900	3900	2890		2860	
2,4,5-Trichlorophenol	200	U	3900	3900	3690		3860	
2,4,6-Trichlorophenol	100	U	3900	3900	3430		3710	
2,4-Dichlorophenol	100	U	3900	3900	3550		3650	
2,4-Dimethylphenol	200	U	3900	3900	3410		3650	
2,4-Dinitrophenol	1000	U	3900	3900	2460		2660	
2,4-Dinitrotoluene	200	U	3900	3900	3350		3560	
2,6-Dinitrotoluene	100	U	3900	3900	3260		3460	
2-Chloronaphthalene	51	U	3900	3900	3220		3330	
2-Chlorophenol	51	U	3900	3900	3240		3300	
2-Methylnaphthalene	51	U	3900	3900	3080		3210	
2-Methylphenol	51	U	3900	3900	3260		3420	
2-Nitroaniline	100	U	3900	3900	3840		3990	
2-Nitrophenol	100	U	3900	3900	3300		3360	
3 & 4 Methylphenol	100	U	7800	7800	6960		7360	
3,3'-Dichlorobenzidine	510	U	3900	3900	480	U J	480	U J
3-Nitroaniline	210	U	3900	3900	1470	J	1270	J
4,6-Dinitro-2-methylphenol	1000	U	3900	3900	2370		2580	
4-Bromophenyl phenyl ether	51	U	3900	3900	3340		3630	
4-Chloro-3-methylphenol	200	U	3900	3900	3610		3820	
4-Chloroaniline	200	U	3900	3900	656		529	
4-Chlorophenyl phenyl ether	100	U	3900	3900	3300		3540	
4-Nitroaniline	200	U	3900	3900	1410	J	1080	J
4-Nitrophenol	510	U	3900	3900	3780		3950	
Acenaphthene	33	J	3900	3900	3250		3480	
Acenaphthylene	51	U	3900	3900	3280		3530	
Anthracene	91	J	3900	3900	3300		3620	
Benzo[a]anthracene	190	J	3900	3900	3320		3640	
Benzo[a]pyrene	250	J	3900	3900	2800		3050	
Benzo[b]fluoranthene	460	J	3900	3900	3350		3290	
Benzo[g,h,i]perylene	230	J	3900	3900	3410		3780	
Benzo[k]fluoranthene	100	U	3900	3900	3070		3730	
Benzoic acid	4400		3900	3900	4780		5160	
Benzyl alcohol	130	J	3900	3900	3540		3660	
Bis(2-chloroethoxy)methane	100	U	3900	3900	3090		3190	
Bis(2-chloroethyl)ether	51	U	3900	3900	3180		2780	
Bis(2-ethylhexyl) phthalate	100	U	3900	3900	3540		3850	
Butyl benzyl phthalate	100	U	3900	3900	3270		3520	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113829

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-27123-3	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/18/2012 2247		
Prep Date:	03/31/2012 1317		
Leach Date:	N/A		

MSD Lab Sample ID:	280-27123-3
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/18/2012 2306
Prep Date:	03/31/2012 1317
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Carbazole	100	U	3900	3900	3170		3500	
Chrysene	250	J	3900	3900	3410		3710	
Dibenz(a,h)anthracene	210	J	3900	3900	2350		2510	
Dibenzofuran	51	U	3900	3900	3370		3670	
Diethyl phthalate	51	U	3900	3900	3440		3640	
Dimethyl phthalate	51	U	3900	3900	3310		3560	
Di-n-butyl phthalate	100	J	3900	3900	3740		4090	
Di-n-octyl phthalate	100	U	3900	3900	3730		3970	
Fluoranthene	380	J	3900	3900	3730		4200	
Fluorene	49	J	3900	3900	3380		3590	
Hexachlorobenzene	100	U	3900	3900	3280		3570	
Hexachlorobutadiene	100	U	3900	3900	2950		2980	
Hexachlorocyclopentadiene	100	U	3900	3900	1020	J	1380	J
Hexachloroethane	51	U	3900	3900	2250		2210	
Indeno[1,2,3-cd]pyrene	190	J	3900	3900	3040		3350	
Isophorone	51	U	3900	3900	3180		3260	
Naphthalene	100	U	3900	3900	3040		3110	
Nitrobenzene	51	U	3900	3900	3050		3030	
N-Nitrosodimethylamine	100	U	3900	3900	2680		2510	
N-Nitrosodi-n-propylamine	100	U	3900	3900	3220		3210	
N-Nitrosodiphenylamine	51	U	3330	3330	2670		2910	
Pentachlorophenol	1000	U	3900	3900	3630		3820	
Phenanthrene	290	J	3900	3900	3520		3920	
Phenol	51	U	3900	3900	3230		3370	
Pyrene	320	J	3900	3900	3330		3670	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-114056

Method: 8270D/DoD
Preparation: 3520C

Lab Sample ID:	MB 280-114056/1-A	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-114056	Lab File ID:	D0125.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/18/2012 1705	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/03/2012 1145			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1'-Biphenyl	2.0	U	1.8	10
1,2,4,5-Tetrachlorobenzene	2.0	U	1.7	10
1,2,4-Trichlorobenzene	1.0	U	0.28	10
1,2-Dichlorobenzene	1.0	U	0.23	10
1,2-Diphenylhydrazine	1.0	U	0.23	10
1,3-Dichlorobenzene	1.0	U	0.30	10
1,4-Dichlorobenzene	1.0	U	0.32	10
2,2'-oxybis[1-chloropropane]	1.0	U	0.28	10
2,3,4,6-Tetrachlorophenol	2.0	U	2.0	50
2,4,5-Trichlorophenol	1.0	U	0.45	20
2,4,6-Trichlorophenol	1.0	U	0.29	20
2,4-Dichlorophenol	2.0	U	0.64	10
2,4-Dimethylphenol	4.0	U	0.58	10
2,4-Dinitrophenol	20	U	10	80
2,4-Dinitrotoluene	4.0	U	1.7	20
2,6-Dichlorophenol	4.0	U	1.4	10
2,6-Dinitrotoluene	4.0	U	1.9	20
2-Chloronaphthalene	1.0	U	0.26	10
2-Chlorophenol	4.0	U	2.0	10
2-Methylnaphthalene	1.0	U	0.29	10
2-Methylphenol	4.0	U	0.98	10
2-Nitroaniline	4.0	U	1.7	50
2-Nitrophenol	1.0	U	0.39	20
3 & 4 Methylphenol	1.0	U	0.25	20
3,3'-Dichlorobenzidine	10	U	2.0	50
3-Nitroaniline	2.0	U	2.0	50
4,6-Dinitro-2-methylphenol	10	U	4.0	80
4-Bromophenyl phenyl ether	1.0	U	0.43	10
4-Chloro-3-methylphenol	5.0	U	2.4	20
4-Chloroaniline	5.0	U	2.1	25
4-Chlorophenyl phenyl ether	4.0	U	1.7	10
4-Nitroaniline	4.0	U	2.0	50
4-Nitrophenol	10	U	1.2	50
Acenaphthene	1.0	U	0.28	10
Acenaphthylene	1.0	U	0.49	10
Acetophenone	5.0	U	0.24	10
Anthracene	1.0	U	0.42	10
Atrazine	10	U	0.73	50
Benzaldehyde	2.0	U	2.0	10
Benzidine	100	U	50	200
Benzo[a]anthracene	1.0	U	0.35	10
Benzo[a]pyrene	1.0	U	0.31	10
Benzo[b]fluoranthene	1.0	U	0.53	10
Benzo[g,h,i]perylene	1.0	U	0.50	10
Benzo[k]fluoranthene	1.0	U	0.46	10

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-114056

Method: 8270D/DoD
Preparation: 3520C

Lab Sample ID:	MB 280-114056/1-A	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-114056	Lab File ID:	D0125.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/18/2012 1705	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/03/2012 1145			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Benzoic acid	50	U	10	80
Benzyl alcohol	1.0	U	0.23	25
Bis(2-chloroethoxy)methane	4.0	U	0.97	10
Bis(2-chloroethyl)ether	1.0	U	0.41	20
Bis(2-ethylhexyl) phthalate	1.0	U	0.56	10
Butyl benzyl phthalate	4.0	U	1.0	20
Caprolactam	10	U	5.0	35
Carbazole	1.0	U	0.43	10
Chrysene	1.0	U	0.54	10
Dibenz(a,h)anthracene	1.0	U	0.51	10
Dibenzofuran	1.0	U	0.29	10
Diethyl phthalate	1.0	U	0.38	20
Dimethyl phthalate	1.0	U	0.21	20
Di-n-butyl phthalate	4.0	U	1.2	20
Di-n-octyl phthalate	1.0	U	0.35	20
Fluoranthene	1.0	U	0.20	20
Fluorene	1.0	U	0.31	10
Hexachlorobenzene	1.0	U	0.66	10
Hexachlorobutadiene	10	U	3.3	30
Hexachlorocyclopentadiene	20	U	1.5	50
Hexachloroethane	4.0	U	2.1	10
Indeno[1,2,3-cd]pyrene	1.0	U	0.65	10
Isophorone	1.0	U	0.21	10
Naphthalene	1.0	U	0.29	10
Nitrobenzene	2.0	U	0.81	20
N-Nitrosodimethylamine	1.0	U	0.29	10
N-Nitrosodi-n-propylamine	1.0	U	0.35	20
N-Nitrosodiphenylamine	1.0	U	0.44	10
N-Nitrosopyrrolidine	4.0	U	0.80	10
Pentachlorophenol	40	U	20	80
Phenanthrene	1.0	U	0.26	10
Phenol	5.0	U	2.0	10
Pyrene	1.0	U	0.37	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	92	40 - 125
2-Fluorobiphenyl	84	50 - 110
2-Fluorophenol (Surr)	94	20 - 110
Nitrobenzene-d5 (Surr)	96	40 - 110
Phenol-d5 (Surr)	98	10 - 115
Terphenyl-d14 (Surr)	115	50 - 135

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-114056

Method: 8270D/DoD
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-114056/2-A	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-114056	Lab File ID:	D0120.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/18/2012 1539	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/03/2012 1145			Injection Volume:	0.5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-114056/3-A	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-114056	Lab File ID:	D0121.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/18/2012 1558	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/03/2012 1145			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2,4-Trichlorobenzene	87	85	35 - 105	2.33	30		
1,2-Dichlorobenzene	80	73	35 - 100	8.67	30		
1,2-Diphenylhydrazine	102	101	55 - 115	1.54	30		
1,3-Dichlorobenzene	74	66	30 - 100	11.1	30		
1,4-Dichlorobenzene	77	69	30 - 100	10.5	30		
2,2'-oxybis[1-chloropropane]	84	87	25 - 130	2.79	30		
2,4,5-Trichlorophenol	104	105	50 - 110	1.74	30		
2,4,6-Trichlorophenol	94	96	50 - 115	2.54	30		
2,4-Dichlorophenol	94	96	50 - 105	1.69	30		
2,4-Dimethylphenol	67	69	30 - 110	3.18	30		
2,4-Dinitrophenol	93	93	15 - 140	0.000	30	J	J
2,4-Dinitrotoluene	106	105	50 - 120	1.00	30		
2,6-Dinitrotoluene	97	99	50 - 115	1.53	30		
2-Chloronaphthalene	91	94	50 - 105	3.38	30		
2-Chlorophenol	93	94	35 - 105	1.77	30		
2-Methylnaphthalene	86	87	45 - 105	2.00	30		
2-Methylphenol	87	91	40 - 110	4.33	30		
2-Nitroaniline	109	110	50 - 115	1.38	30		
2-Nitrophenol	91	97	40 - 115	6.78	30		
3 & 4 Methylphenol	94	97	30 - 110	3.76	30		
3,3'-Dichlorobenzidine	72	72	20 - 110	0.000	30		
3-Nitroaniline	104	104	20 - 125	1.00	30		
4,6-Dinitro-2-methylphenol	103	104	40 - 130	1.00	30		
4-Bromophenyl phenyl ether	101	101	50 - 115	0.000	30		
4-Chloro-3-methylphenol	97	98	45 - 110	1.75	30		
4-Chloroaniline	88	92	15 - 110	5.21	30		
4-Chlorophenyl phenyl ether	99	99	50 - 110	0.000	30		
4-Nitroaniline	104	109	35 - 120	4.26	30		
4-Nitrophenol	106	109	10 - 125	2.92	30		
Acenaphthene	93	96	45 - 110	3.15	30		
Acenaphthylene	95	96	50 - 105	1.67	30		
Anthracene	100	101	55 - 110	1.00	30		
Benzo[a]anthracene	103	100	55 - 110	3.11	30		
Benzo[a]pyrene	82	84	55 - 110	1.89	30		
Benzo[b]fluoranthene	89	93	45 - 120	5.13	30		
Benzo[g,h,i]perylene	102	102	40 - 125	1.00	30		

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-114056

Method: 8270D/DoD
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-114056/2-A	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-114056	Lab File ID:	D0120.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/18/2012 1539	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/03/2012 1145			Injection Volume:	0.5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-114056/3-A	Analysis Batch:	280-116156	Instrument ID:	MSS_D
Client Matrix:	Water	Prep Batch:	280-114056	Lab File ID:	D0121.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/18/2012 1558	Units:	ug/L	Final Weight/Volume:	1000 uL
Prep Date:	04/03/2012 1145			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzo[k]fluoranthene	105	101	45 - 125	3.95	30		
Benzoic acid	85	81	10 - 125	5.48	30	J	J
Benzyl alcohol	95	99	30 - 110	4.37	30		
Bis(2-chloroethoxy)methane	89	94	45 - 105	5.65	30		
Bis(2-chloroethyl)ether	89	84	35 - 110	5.23	30		
Bis(2-ethylhexyl) phthalate	102	101	40 - 125	1.28	30		
Butyl benzyl phthalate	98	97	45 - 115	1.00	30		
Carbazole	103	103	50 - 115	0.000	30		
Chrysene	104	102	55 - 110	1.89	30		
Dibenz(a,h)anthracene	72	72	40 - 125	1.00	30		
Dibenzofuran	95	97	55 - 105	2.45	30		
Diethyl phthalate	103	104	40 - 120	1.00	30		
Dimethyl phthalate	102	103	25 - 125	1.00	30		
Di-n-butyl phthalate	108	108	55 - 115	0.000	30		
Di-n-octyl phthalate	105	103	35 - 135	1.08	30		
Fluoranthene	107	105	55 - 115	1.42	30		
Fluorene	98	97	50 - 110	0.000	30		
Hexachlorobenzene	99	100	50 - 110	1.53	30		
Hexachlorobutadiene	82	78	25 - 105	5.45	30		
Hexachlorocyclopentadiene	37	37	10 - 82	1.95	30	J	J
Hexachloroethane	75	64	30 - 95	15.4	30		
Indeno[1,2,3-cd]pyrene	92	91	45 - 125	1.87	30		
Isophorone	91	94	50 - 110	3.29	30		
Naphthalene	87	87	40 - 100	1.07	30		
Nitrobenzene	91	94	45 - 110	2.87	30		
N-Nitrosodimethylamine	91	96	25 - 110	4.83	30		
N-Nitrosodi-n-propylamine	93	95	35 - 130	3.02	30		
N-Nitrosodiphenylamine	94	96	50 - 110	1.97	30		
Pentachlorophenol	94	94	40 - 115	0.000	30	J	J
Phenanthrene	100	101	50 - 115	1.14	30		
Phenol	91	92	10 - 115	1.81	30		
Pyrene	101	100	50 - 130	1.10	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	101	99	40 - 125
2-Fluorobiphenyl	91	90	50 - 110

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorophenol (Surr)	88	90	20 - 110
Nitrobenzene-d5 (Surr)	92	94	40 - 110
Phenol-d5 (Surr)	92	93	10 - 115
Terphenyl-d14 (Surr)	104	103	50 - 135

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-114056

Method: 8270D/DoD
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-114056/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-114056/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/18/2012 1539			Analysis Date:	04/18/2012 1558
Prep Date:	04/03/2012 1145			Prep Date:	04/03/2012 1145
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,2,4-Trichlorobenzene	80.0	80.0	69.9		68.2	
1,2-Dichlorobenzene	80.0	80.0	63.9		58.6	
1,2-Diphenylhydrazine	80.9	80.9	82.8		81.5	
1,3-Dichlorobenzene	80.0	80.0	59.2		53.0	
1,4-Dichlorobenzene	80.0	80.0	61.6		55.5	
2,2'-oxybis[1-chloropropane]	80.0	80.0	67.3		69.2	
2,4,5-Trichlorophenol	80.0	80.0	82.9		84.4	
2,4,6-Trichlorophenol	80.0	80.0	75.1		77.0	
2,4-Dichlorophenol	80.0	80.0	75.2		76.5	
2,4-Dimethylphenol	80.0	80.0	53.2		54.9	
2,4-Dinitrophenol	80.0	80.0	74.6	J	74.5	J
2,4-Dinitrotoluene	80.0	80.0	84.5		84.0	
2,6-Dinitrotoluene	80.0	80.0	77.7		78.9	
2-Chloronaphthalene	80.0	80.0	72.6		75.1	
2-Chlorophenol	80.0	80.0	74.2		75.5	
2-Methylnaphthalene	80.0	80.0	68.6		70.0	
2-Methylphenol	80.0	80.0	69.5		72.6	
2-Nitroaniline	80.0	80.0	87.1		88.3	
2-Nitrophenol	80.0	80.0	72.4		77.5	
3 & 4 Methylphenol	160	160	150		156	
3,3'-Dichlorobenzidine	80.0	80.0	57.3		57.4	
3-Nitroaniline	80.0	80.0	83.4		83.0	
4,6-Dinitro-2-methylphenol	80.0	80.0	82.3		82.8	
4-Bromophenyl phenyl ether	80.0	80.0	80.5		80.5	
4-Chloro-3-methylphenol	80.0	80.0	77.3		78.7	
4-Chloroaniline	80.0	80.0	70.1		73.9	
4-Chlorophenyl phenyl ether	80.0	80.0	78.9		78.8	
4-Nitroaniline	80.0	80.0	83.5		87.2	
4-Nitrophenol	80.0	80.0	84.4		86.9	
Acenaphthene	80.0	80.0	74.1		76.4	
Acenaphthylene	80.0	80.0	75.9		77.2	
Anthracene	80.0	80.0	79.7		80.5	
Benzo[a]anthracene	80.0	80.0	82.7		80.2	
Benzo[a]pyrene	80.0	80.0	65.7		67.0	
Benzo[b]fluoranthene	80.0	80.0	70.9		74.6	
Benzo[g,h,i]perylene	80.0	80.0	82.0		81.4	
Benzo[k]fluoranthene	80.0	80.0	84.0		80.7	
Benzoic acid	80.0	80.0	68.2	J	64.6	J
Benzyl alcohol	80.0	80.0	75.9		79.3	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-114056

Method: 8270D/DoD
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-114056/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 280-114056/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/18/2012 1539			Analysis Date:	04/18/2012 1558
Prep Date:	04/03/2012 1145			Prep Date:	04/03/2012 1145
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Bis(2-chloroethoxy)methane	80.0	80.0	71.2		75.3	
Bis(2-chloroethyl)ether	80.0	80.0	71.2		67.6	
Bis(2-ethylhexyl) phthalate	80.0	80.0	81.8		80.7	
Butyl benzyl phthalate	80.0	80.0	78.6		77.9	
Carbazole	80.0	80.0	82.4		82.6	
Chrysene	80.0	80.0	83.5		81.9	
Dibenz(a,h)anthracene	80.0	80.0	57.7		57.4	
Dibenzofuran	80.0	80.0	75.8		77.7	
Diethyl phthalate	80.0	80.0	82.7		83.4	
Dimethyl phthalate	80.0	80.0	81.8		82.5	
Di-n-butyl phthalate	80.0	80.0	86.3		86.3	
Di-n-octyl phthalate	80.0	80.0	83.6		82.8	
Fluoranthene	80.0	80.0	85.3		84.1	
Fluorene	80.0	80.0	78.1		77.8	
Hexachlorobenzene	80.0	80.0	78.8		80.0	
Hexachlorobutadiene	80.0	80.0	65.6		62.1	
Hexachlorocyclopentadiene	80.0	80.0	29.4	J	29.9	J
Hexachloroethane	80.0	80.0	59.7		51.2	
Indeno[1,2,3-cd]pyrene	80.0	80.0	73.8		72.4	
Isophorone	80.0	80.0	72.5		74.9	
Naphthalene	80.0	80.0	69.2		70.0	
Nitrobenzene	80.0	80.0	73.1		75.3	
N-Nitrosodimethylamine	80.0	80.0	73.2		76.8	
N-Nitrosodi-n-propylamine	80.0	80.0	74.0		76.3	
N-Nitrosodiphenylamine	68.3	68.3	64.0		65.3	
Pentachlorophenol	80.0	80.0	75.3	J	75.2	J
Phenanthrene	80.0	80.0	80.2		81.1	
Phenol	80.0	80.0	72.7		74.0	
Pyrene	80.0	80.0	80.7		79.9	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-113965

Method: 8081A
Preparation: 3510C

Lab Sample ID:	MB 280-113965/1-A	Analysis Batch:	280-114395	Instrument ID:	GCS_P1
Client Matrix:	Water	Prep Batch:	280-113965	Lab File ID:	04050054.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/05/2012 2332	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.010	U	0.0077	0.050
4,4'-DDE	0.010	U	0.0075	0.050
4,4'-DDT	0.010	U	0.015	0.050
Aldrin	0.010	U	0.0059	0.050
alpha-BHC	0.010	U	0.0053	0.050
beta-BHC	0.010	U	0.0087	0.050
delta-BHC	0.010	U	0.0058	0.050
gamma-BHC (Lindane)	0.010	U	0.0069	0.050
Heptachlor	0.010	U	0.0077	0.050
Heptachlor epoxide	0.010	U	0.0075	0.050
Endosulfan I	0.010	U	0.0058	0.050
Endosulfan II	0.010	U	0.0070	0.050
Endosulfan sulfate	0.010	U	0.0057	0.050
Endrin	0.010	U	0.0079	0.050
Endrin aldehyde	0.010	U	0.0088	0.050
Endrin ketone	0.010	U	0.0070	0.050
gamma-Chlordane	0.010	U	0.0091	0.050
Methoxychlor	0.010	U	0.013	0.10
alpha-Chlordane	0.010	U	0.0053	0.050
Dieldrin	0.010	U	0.0063	0.050
Toxaphene	0.80	U	0.37	5.0

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	87	25 - 140
DCB Decachlorobiphenyl	107	30 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	84	25 - 140
DCB Decachlorobiphenyl	102	30 - 135

Lab Control Sample - Batch: 280-113965 **Method: 8081A**
Preparation: 3510C

Lab Sample ID:	LCS 280-113965/5-A	Analysis Batch:	280-114395	Instrument ID:	GCS_P1
Client Matrix:	Water	Prep Batch:	280-113965	Lab File ID:	04050051.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/05/2012 2242	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toxaphene	2.00	1.41	70	63 - 142	J M

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	87	25 - 140
DCB Decachlorobiphenyl	107	30 - 135

Lab Control Sample - Batch: 280-113965 **Method: 8081A**
Preparation: 3510C

Lab Sample ID:	LCS 280-113965/2-A	Analysis Batch:	280-114395	Instrument ID:	GCS_P1
Client Matrix:	Water	Prep Batch:	280-113965	Lab File ID:	04050052.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/05/2012 2259	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.500	0.459	92	25 - 150	
4,4'-DDE	0.500	0.502	100	35 - 140	
4,4'-DDT	0.500	0.527	105	45 - 140	
Aldrin	0.500	0.428	86	25 - 140	
alpha-BHC	0.500	0.473	95	60 - 130	
beta-BHC	0.500	0.480	96	65 - 125	
delta-BHC	0.500	0.489	98	45 - 135	
gamma-BHC (Lindane)	0.500	0.476	95	25 - 135	
Heptachlor	0.500	0.454	91	40 - 130	
Heptachlor epoxide	0.500	0.487	97	60 - 130	
Endosulfan I	0.500	0.485	97	50 - 110	
Endosulfan II	0.500	0.491	98	30 - 130	
Endosulfan sulfate	0.500	0.496	99	55 - 135	
Endrin	0.500	0.598	120	55 - 135	
Endrin aldehyde	0.500	0.452	90	55 - 135	
Endrin ketone	0.500	0.493	99	75 - 125	
gamma-Chlordane	0.500	0.482	96	60 - 125	
Methoxychlor	0.500	0.537	107	55 - 150	
alpha-Chlordane	0.500	0.497	99	65 - 125	
Dieldrin	0.500	0.503	101	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	86	25 - 140
DCB Decachlorobiphenyl	106	30 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	83	25 - 140

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	30 - 135

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-113973

Method: 8081A
Preparation: 3546

Lab Sample ID:	MB 280-113973/1-A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	04110038.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.9 g
Analysis Date:	04/11/2012 1848	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.63	U	0.50	1.6
4,4'-DDE	0.42	U	0.22	1.6
4,4'-DDT	0.63	U	0.54	1.8
Aldrin	0.42	U	0.23	1.6
alpha-BHC	0.42	U	0.20	1.6
beta-BHC	0.63	U	0.61	1.6
delta-BHC	0.63	U	0.37	1.6
gamma-BHC (Lindane)	0.63	U	0.42	1.6
Heptachlor	0.42	U	0.20	1.6
Heptachlor epoxide	0.63	U	0.39	1.6
Endosulfan I	0.42	U	0.16	1.6
Endosulfan II	0.42	U	0.26	1.6
Endosulfan sulfate	0.42	U	0.25	1.6
Endrin	0.42	U	0.28	1.6
Endrin aldehyde	0.42	U	0.16	1.6
Endrin ketone	0.63	U	0.45	1.6
gamma-Chlordane	0.63	U	0.24	1.6
Methoxychlor	0.63	U	0.41	3.0
alpha-Chlordane	0.42	U	0.29	1.6
Dieldrin	0.42	U	0.19	1.6
Toxaphene	25	U	14	160

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	96	70 - 125
DCB Decachlorobiphenyl	107	55 - 130

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	94	70 - 125
DCB Decachlorobiphenyl	103	55 - 130

Lab Control Sample - Batch: 280-113973 **Method: 8081A**
Preparation: 3546

Lab Sample ID:	LCS 280-113973/26-A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	04110039.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.0 g
Analysis Date:	04/11/2012 1905	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toxaphene	62.5	47.1	75	51 - 139	J M

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	99	70 - 125
DCB Decachlorobiphenyl	103	55 - 130

Lab Control Sample - Batch: 280-113973 **Method: 8081A**
Preparation: 3546

Lab Sample ID:	LCS 280-113973/2-A	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	04110040.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.7 g
Analysis Date:	04/11/2012 1921	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	16.3	14.8	91	30 - 135	
4,4'-DDE	16.3	17.2	106	70 - 125	
4,4'-DDT	16.3	17.8	109	45 - 140	
Aldrin	16.3	16.1	99	45 - 140	
alpha-BHC	16.3	15.4	95	60 - 125	
beta-BHC	16.3	15.6	96	60 - 125	
delta-BHC	16.3	16.0	98	55 - 130	
gamma-BHC (Lindane)	16.3	15.5	95	60 - 125	
Heptachlor	16.3	16.4	101	50 - 140	
Heptachlor epoxide	16.3	16.3	100	65 - 130	
Endosulfan I	16.3	16.4	100	15 - 135	
Endosulfan II	16.3	16.5	101	35 - 140	
Endosulfan sulfate	16.3	16.6	102	60 - 135	
Endrin	16.3	20.7	127	60 - 135	
Endrin aldehyde	16.3	13.8	85	35 - 145	
Endrin ketone	16.3	16.5	101	65 - 135	
gamma-Chlordane	16.3	16.9	104	65 - 125	
Methoxychlor	16.3	17.8	110	55 - 145	
alpha-Chlordane	16.3	16.6	102	65 - 120	
Dieldrin	16.3	17.1	105	65 - 125	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	94	70 - 125
DCB Decachlorobiphenyl	105	55 - 130

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	70 - 125

Client: FPM Remediations Inc

Job Number: 280-27123-1

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	103	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113973

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	280-27123-2	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	04110043.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.8 g
Analysis Date:	04/11/2012 2011			Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	280-27123-2	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	04110044.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.2 g
Analysis Date:	04/11/2012 2028			Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	48	41	30 - 135	10	30	Q	Q
4,4'-DDE	54	50	70 - 125	3	30	J Q	Q J
4,4'-DDT	73	44	45 - 140	34	30	Q	Q J
Aldrin	57	53	45 - 140	1	30	Q	Q
alpha-BHC	57	53	60 - 125	1	30	J Q	Q J
beta-BHC	46	51	60 - 125	15	30	J Q	Q J
delta-BHC	53	45	55 - 130	11	30	J Q	Q J
gamma-BHC (Lindane)	58	52	60 - 125	6	30	J Q	Q J
Heptachlor	59	46	50 - 140	21	30	Q	Q J
Heptachlor epoxide	58	53	65 - 130	4	30	J Q	Q J
Endosulfan I	57	50	15 - 135	9	30	Q	Q
Endosulfan II	52	46	35 - 140	8	30	Q	Q
Endosulfan sulfate	62	39	60 - 135	42	30	Q	Q J
Endrin	82	57	60 - 135	31	30	Q	Q J
Endrin aldehyde	39	23	35 - 145	46	30	Q	Q J
Endrin ketone	82	50	65 - 135	43	30	Q	Q J
gamma-Chlordane	51	48	65 - 125	1	30	J Q	Q J
Methoxychlor	60	50	55 - 145	13	30	Q	Q J
alpha-Chlordane	47	48	65 - 120	7	30	J Q	Q J
Dieldrin	56	54	65 - 125	1	30	J Q	Q J

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	74		67	Q	70 - 125
DCB Decachlorobiphenyl	618	J Q	351	Q	55 - 130

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	59	Q	56	Q	70 - 125
DCB Decachlorobiphenyl	761	J Q	331	Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113973

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	280-27123-10	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	04110056.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.2 g
Analysis Date:	04/11/2012 2347			Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	280-27123-10	Analysis Batch:	280-115240	Instrument ID:	GCS_P1
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	04110057.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	04/12/2012 0004			Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Toxaphene	56	48	51 - 139	12.9	30	J Q M	M Q J

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	68	Q	67	Q	70 - 125
DCB Decachlorobiphenyl	65	M	46	Q	55 - 130

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113973

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	280-27123-2	Units:	ug/Kg	MSD Lab Sample ID:	280-27123-2
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/11/2012 2011			Analysis Date:	04/11/2012 2028
Prep Date:	04/02/2012 1720			Prep Date:	04/02/2012 1720
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
4,4'-DDD	1.1	U	26.4	27.8	12.7	Q	11.5	Q
4,4'-DDE	1.3	J	26.4	27.8	15.5	J Q	15.0	Q J
4,4'-DDT	5.0		26.4	27.8	24.4	Q	17.4	Q J
Aldrin	0.72	U	26.4	27.8	15.0	Q	14.8	Q
alpha-BHC	0.72	U	26.4	27.8	15.0	J Q	14.8	Q J
beta-BHC	1.5	U	26.4	27.8	12.1	J Q	14.1	Q J
delta-BHC	1.1	U	26.4	27.8	14.0	J Q	12.6	Q J
gamma-BHC (Lindane)	1.1	U	26.4	27.8	15.4	J Q	14.4	Q J
Heptachlor	0.72	U	26.4	27.8	15.5	Q	12.6	Q J
Heptachlor epoxide	1.1	U	26.4	27.8	15.2	J Q	14.6	Q J
Endosulfan I	0.72	U	26.4	27.8	15.1	Q	13.8	Q
Endosulfan II	0.72	U	26.4	27.8	13.7	Q	12.6	Q
Endosulfan sulfate	0.72	U	26.4	27.8	16.4	Q	10.7	Q J
Endrin	0.94	U	26.4	27.8	21.6	Q	15.9	Q J
Endrin aldehyde	0.72	U	26.4	27.8	10.4	Q	6.50	Q J
Endrin ketone	1.1	U	26.4	27.8	21.6	Q	13.9	Q J
gamma-Chlordane	1.1	U	26.4	27.8	13.5	J Q	13.4	Q J
Methoxychlor	1.1	U	26.4	27.8	15.9	Q	13.9	Q J
alpha-Chlordane	0.72	U	26.4	27.8	12.5	J Q	13.4	Q J
Dieldrin	0.72	U	26.4	27.8	14.8	J Q	15.0	Q J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113973

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	280-27123-10	Units:	ug/Kg	MSD Lab Sample ID:	280-27123-10
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/11/2012 2347			Analysis Date:	04/12/2012 0004
Prep Date:	04/02/2012 1720			Prep Date:	04/02/2012 1720
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Toxaphene	34	U	82.4	84.8	46.5	J Q M	40.9	M Q J

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-113965

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 280-113965/1-A	Analysis Batch:	280-115556	Instrument ID:	GCS_W
Client Matrix:	Water	Prep Batch:	280-113965	Lab File ID:	015F1501.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/13/2012 1828	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
PCB-1016	0.30	U	0.12	1.0
PCB-1221	0.30	U	0.21	1.0
PCB-1232	0.40	U	0.17	1.0
PCB-1242	0.30	U	0.10	1.0
PCB-1248	0.20	U	0.092	1.0
PCB-1254	0.30	U	0.11	1.0
PCB-1260	0.30	U	0.16	1.0

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	40 - 135
Tetrachloro-m-xylene	93	25 - 120

Lab Control Sample - Batch: 280-113965

Method: 8082
Preparation: 3510C

Lab Sample ID:	LCS 280-113965/3-A	Analysis Batch:	280-115556	Instrument ID:	GCS_W
Client Matrix:	Water	Prep Batch:	280-113965	Lab File ID:	016F1601.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/13/2012 1851	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	2.00	2.15	108	25 - 145	
PCB-1260	2.00	2.12	106	30 - 145	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	100	40 - 135
Tetrachloro-m-xylene	99	25 - 120

Method Blank - Batch: 280-113973 **Method: 8082**
Preparation: 3546

Lab Sample ID:	MB 280-113973/1-A	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	020F2001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.9 g
Analysis Date:	04/10/2012 1655	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
PCB-1016	9.1	U	4.6	30
PCB-1221	18	U	14	30
PCB-1232	9.1	U	4.7	30
PCB-1242	9.1	U	8.3	30
PCB-1248	9.1	U	5.1	30
PCB-1254	9.1	U	5.0	30
PCB-1260	9.1	U	2.4	30

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	97	59 - 130
Tetrachloro-m-xylene	95	53 - 128

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	97	59 - 130
Tetrachloro-m-xylene	102	53 - 128

Lab Control Sample - Batch: 280-113973 **Method: 8082**
Preparation: 3546

Lab Sample ID:	LCS 280-113973/3-A	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	021F2101.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.4 g
Analysis Date:	04/10/2012 1719	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	63.7	65.3	102	40 - 140	
PCB-1260	63.7	69.2	109	60 - 130	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	102	59 - 130
Tetrachloro-m-xylene	100	53 - 128

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	59 - 130
Tetrachloro-m-xylene	103	53 - 128

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113973

Method: 8082
Preparation: 3546

MS Lab Sample ID:	280-27123-3	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	026F2601.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.7 g
Analysis Date:	04/10/2012 1914			Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	280-27123-3	Analysis Batch:	280-114993	Instrument ID:	GCS_W
Client Matrix:	Solid	Prep Batch:	280-113973	Lab File ID:	027F2701.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.7 g
Analysis Date:	04/10/2012 1937			Final Weight/Volume:	10000 uL
Prep Date:	04/02/2012 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	62	76	40 - 140	20	30		Q
PCB-1260	40	50	60 - 130	24	30	J	Q J

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	60	49	Q	59 - 130
Tetrachloro-m-xylene	60	65		53 - 128

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113973

Method: 8082
Preparation: 3546

MS Lab Sample ID:	280-27123-3	Units:	ug/Kg	MSD Lab Sample ID:	280-27123-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/10/2012 1914			Analysis Date:	04/10/2012 1937
Prep Date:	04/02/2012 1720			Prep Date:	04/02/2012 1720
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
PCB-1016	14	U	101	101	62.1		76.2	Q
PCB-1260	14	U	101	101	39.8	J	50.6	Q J

Method Blank - Batch: 280-113656 **Method: 6010B**
Preparation: 3050B

Lab Sample ID:	MB 280-113656/1-A	Analysis Batch:	280-114003	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	04/02/2012 1224	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Calcium	19	U	13	93
Iron	4.7	U	3.6	75
Magnesium	4.7	U	3.5	28
Potassium	47	U	38	280
Sodium	93	U	55	470

Method Blank - Batch: 280-113656 **Method: 6010B**
Preparation: 3050B

Lab Sample ID:	MB 280-113656/1-A	Analysis Batch:	280-114077	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	04/03/2012 1147	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Aluminum	2.8	U	1.4	47
Boron	1.31	J	0.92	9.3

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample - Batch: 280-113656

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 280-113656/2-A	Analysis Batch:	280-114003	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	04/02/2012 1227	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	4310	4390	102	80 - 120	
Iron	86.2	91.5	106	80 - 120	
Magnesium	4310	4350	101	80 - 120	
Potassium	4310	4490	104	80 - 120	
Sodium	4310	4520	105	80 - 120	

Lab Control Sample - Batch: 280-113656

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 280-113656/2-A	Analysis Batch:	280-114077	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	04/03/2012 1153	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	172	172	100	80 - 120	
Boron	86.2	93.3	108	81 - 110	

Post Digestion Spike - Batch: 280-113656

Method: 6010B
Preparation: 3050B

Lab Sample ID:	280-27123-1	Analysis Batch:	280-114003	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.18 g
Analysis Date:	04/02/2012 1239	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Calcium	990		2640	3680	102	75 - 125	
Magnesium	200		2640	2760	97	75 - 125	
Potassium	150	J	2640	3030	109	75 - 125	
Sodium	130	U	2640	3220	122	75 - 125	

Post Digestion Spike - Batch: 280-113656

Method: 6010B
Preparation: 3050B

Lab Sample ID:	280-27123-1	Analysis Batch:	280-114077	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.18 g
Analysis Date:	04/03/2012 1208	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2300		661	2940	97	75 - 125	D
Iron	240000		661	234000	-918	75 - 125	D J
Boron	6.6	U	66.1	68.8	104	75 - 125	D

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113656

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-27123-1	Analysis Batch:	280-114003	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/02/2012 1234			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-1	Analysis Batch:	280-114003	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/02/2012 1236			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	102	99	80 - 120	2	20		
Magnesium	97	92	80 - 120	5	20		
Potassium	110	108	80 - 120	2	20		
Sodium	109	114	80 - 120	5	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113656

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-27123-1	Analysis Batch:	280-114077	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/03/2012 1204			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-1	Analysis Batch:	280-114077	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/03/2012 1206			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	757	320	80 - 120	33	20	D 4	D 4 J
Iron	19997	153932	80 - 120	54	20	D 4	D 4 J
Boron	100	99	75 - 107	1	20	D	D

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113656

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-27123-1	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2012 1234		
Prep Date:	03/30/2012 1400		
Leach Date:	N/A		

MSD Lab Sample ID:	280-27123-1
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2012 1236
Prep Date:	03/30/2012 1400
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Calcium	990		7500	7500	8610	8410
Magnesium	200		7500	7500	7470	7120
Potassium	150	J	7500	7500	8430	8220
Sodium	130	U	7500	7500	8150	8570

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113656

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-27123-1	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	5.0		
Analysis Date:	04/03/2012 1204		
Prep Date:	03/30/2012 1400		
Leach Date:	N/A		

MSD Lab Sample ID:	280-27123-1
Client Matrix:	Solid
Dilution:	5.0
Analysis Date:	04/03/2012 1206
Prep Date:	03/30/2012 1400
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	2300		300	300	4570	D 4	3260	D 4 J
Iron	240000		150	150	270000	D 4	470000	D 4 J
Boron	6.6	U	150	150	150	D	148	D

Serial Dilution - Batch: 280-113656 **Method: 6010B**
Preparation: 3050B

Lab Sample ID:	280-27123-1	Analysis Batch:	280-114003	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040212.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.18 g
Analysis Date:	04/02/2012 1231	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Calcium	1000		1040	2.6	10	D
Magnesium	220		207	NC	10	D
Potassium	330	U	330	NC	10	U
Sodium	660	U	660	NC	10	U

Serial Dilution - Batch: 280-113656 **Method: 6010B**
Preparation: 3050B

Lab Sample ID:	280-27123-1	Analysis Batch:	280-114077	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-113656	Lab File ID:	26a040312.asc
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	1.18 g
Analysis Date:	04/03/2012 1201	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	2300		2300	0.14	10	D
Iron	240000		241000	0.50	10	D
Boron	6.6	U	33	NC	10	U

Method Blank - Batch: 280-114545

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 280-114545/1-A	Analysis Batch:	280-114798	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-114545	Lab File ID:	25A4040912.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 0046	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Aluminum	30	U	18	300
Magnesium	25	U	11	500
Boron	4.0	U	4.4	100

Method Blank - Batch: 280-114545

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 280-114545/1-A	Analysis Batch:	280-114957	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-114545	Lab File ID:	25A2041012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1146	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Calcium	80	U	35	1000
Iron	30	U	22	100
Potassium	250	U	240	3000
Sodium	250	U	92	5000

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-114545

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 280-114545/2-A	Analysis Batch:	280-114798	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-114545	Lab File ID:	25A4040912.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 0048	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-114545/3-A	Analysis Batch:	280-114798	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-114545	Lab File ID:	25A4040912.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 0050	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aluminum	95	95	80 - 120	0	20		
Magnesium	99	99	80 - 120	0	20		
Boron	98	98	86 - 110	0	20		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-114545

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 280-114545/2-A	Analysis Batch:	280-114957	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-114545	Lab File ID:	25A2041012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1152	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-114545/3-A	Analysis Batch:	280-114957	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-114545	Lab File ID:	25A2041012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1154	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Calcium	99	98	80 - 120	1	20		
Iron	103	101	80 - 120	2	20		
Potassium	103	103	80 - 120	1	20		
Sodium	108	107	80 - 120	1	20		

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-114545

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 280-114545/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-114545/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/10/2012 0048			Analysis Date:	04/10/2012 0050
Prep Date:	04/09/2012 0830			Prep Date:	04/09/2012 0830
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aluminum	2000	2000	1910	1900
Magnesium	50000	50000	49500	49300
Boron	1000	1000	984	984

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-114545

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 280-114545/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-114545/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/10/2012 1152			Analysis Date:	04/10/2012 1154
Prep Date:	04/09/2012 0830			Prep Date:	04/09/2012 0830
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Calcium	50000	50000	49600	49200
Iron	1000	1000	1030	1010
Potassium	50000	50000	51700	51300
Sodium	50000	50000	53900	53500

Client: FPM Remediations Inc

Job Number: 280-27123-1

Post Digestion Spike - Batch: 280-114545

Method: 6010B
Preparation: 3010A

Lab Sample ID:	280-27123-11	Analysis Batch:	280-114798	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-114545	Lab File ID:	25A4040912.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 0057	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	30	U	1000	1180	118	75 - 125	
Magnesium	25	U	20000	23200	116	75 - 125	
Boron	4.0	U	100	101	101	75 - 125	

Post Digestion Spike - Batch: 280-114545

Method: 6010B
Preparation: 3010A

Lab Sample ID:	280-27123-11	Analysis Batch:	280-114957	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-114545	Lab File ID:	25A2041012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1201	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Calcium	80	U	20000	20300	102	75 - 125	
Iron	30	U	1000	1050	105	75 - 125	
Potassium	250	U	20000	21100	105	75 - 125	
Sodium	250	U	20000	22200	111	75 - 125	

Serial Dilution - Batch: 280-114545

Method: 6010B
Preparation: 3010A

Lab Sample ID:	280-27123-11	Analysis Batch:	280-114798	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-114545	Lab File ID:	25A4040912.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 0055	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	30	U	150	NC	10	U
Magnesium	25	U	130	NC	10	U
Boron	4.0	U	20	NC	10	U

Serial Dilution - Batch: 280-114545

Method: 6010B
Preparation: 3010A

Lab Sample ID:	280-27123-11	Analysis Batch:	280-114957	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-114545	Lab File ID:	25A2041012.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1158	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0830				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Calcium	80	U	400	NC	10	U
Iron	30	U	150	NC	10	U
Potassium	250	U	1300	NC	10	U
Sodium	250	U	1300	NC	10	U

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-113654

Method: 6020
Preparation: 3050B

Lab Sample ID:	MB 280-113654/1-A	Analysis Batch:	280-114025	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-113654	Lab File ID:	044_BLK.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2012 1916	Units:	ug/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Antimony	40	U	14	200
Arsenic	150	U	50	500
Barium	79.7	J	70	250
Beryllium	64	U	22	99
Cadmium	10.1	J Q	9.3	99
Chromium	170	U	75	200
Cobalt	18	U	6.6	99
Copper	83.5	J	70	2500
Lead	40.0	J	18	99
Manganese	89	U	33	99
Molybdenum	50	U	17	200
Nickel	74	U	25	350
Selenium	250	U	130	500
Silver	59	U	20	99
Thallium	9.9	U	3.5	99
Vanadium	99	U	38	500
Zinc	890	U	310	2500

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample - Batch: 280-113654

Method: 6020
Preparation: 3050B

Lab Sample ID:	LCS 280-113654/2-A	Analysis Batch:	280-114025	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-113654	Lab File ID:	045_LCS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	04/02/2012 1919	Units:	ug/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	18500	18500	100	82 - 110	
Arsenic	18500	18800	102	83 - 111	
Barium	18500	19200	104	86 - 120	
Beryllium	18500	19100	103	70 - 136	
Cadmium	18500	18500	100	85 - 109	Q
Chromium	18500	19900	107	87 - 121	
Cobalt	18500	19800	107	91 - 113	
Copper	18500	19700	106	87 - 125	
Lead	18500	19000	103	81 - 125	
Manganese	18500	19400	105	86 - 120	
Molybdenum	18500	18600	100	80 - 120	
Nickel	18500	18900	102	90 - 113	
Selenium	18500	18500	100	78 - 108	
Silver	18500	19400	105	83 - 113	
Thallium	18500	18500	100	84 - 124	
Vanadium	18500	19800	107	88 - 114	
Zinc	18500	18700	101	85 - 119	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Post Digestion Spike - Batch: 280-113654

Method: 6020
Preparation: 3050B

Lab Sample ID:	280-27123-1	Analysis Batch:	280-114025	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-113654	Lab File ID:	048PDS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	04/02/2012 1928	Units:	ug/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	6000		134000	134000	95	75 - 125	
Arsenic	30000		134000	136000	79	75 - 125	
Beryllium	69	J	134000	120000	89	75 - 125	
Cadmium	5300		134000	133000	95	75 - 125	Q
Chromium	96000		134000	202000	79	75 - 125	
Cobalt	28000		134000	134000	79	75 - 125	
Molybdenum	5100		134000	121000	86	75 - 125	
Selenium	320	J	134000	97400	72	75 - 125	J
Silver	880		33600	32500	94	75 - 125	
Thallium	99	J	134000	126000	94	75 - 125	
Vanadium	5200		134000	114000	81	75 - 125	

Post Digestion Spike - Batch: 280-113654

Method: 6020
Preparation: 3050B

Lab Sample ID:	280-27123-1	Analysis Batch:	280-114025	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-113654	Lab File ID:	068PDS.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	04/02/2012 2025	Units:	ug/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Barium	3400000	2690000	5930000	93	75 - 125	D
Copper	330000	2690000	2860000	94	75 - 125	D
Lead	800000	2690000	3300000	93	75 - 125	D
Manganese	1800000	2690000	4260000	91	75 - 125	D
Nickel	180000	2690000	2760000	96	75 - 125	D
Zinc	3700000	2690000	6190000	92	75 - 125	D

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113654

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	280-27123-1	Analysis Batch:	280-114025	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-113654	Lab File ID:	049_MS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.20 g
Analysis Date:	04/02/2012 1930			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-1	Analysis Batch:	280-114025	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-113654	Lab File ID:	050_MSD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/02/2012 1933			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	44	40	82 - 110	4	20	J	J
Arsenic	97	141	83 - 111	26	20		J
Beryllium	93	99	70 - 136	19	20		
Cadmium	102	101	85 - 109	10	20	Q	Q
Chromium	24	-8	87 - 121	9	20	J	J
Cobalt	67	86	91 - 113	17	20	J	J
Molybdenum	88	105	80 - 120	26	20		J
Selenium	62	60	78 - 108	9	20	J	J
Silver	96	100	83 - 113	17	20		
Thallium	98	101	84 - 124	16	20		
Vanadium	112	116	88 - 114	15	20		J

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113654

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	280-27123-1	Analysis Batch:	280-114025	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-113654	Lab File ID:	069_MS.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.20 g
Analysis Date:	04/02/2012 2027			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-1	Analysis Batch:	280-114025	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-113654	Lab File ID:	070_MSD.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/02/2012 2030			Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	-63	-8174	86 - 120	109	20	D 4	D 4 J
Copper	-198	178	87 - 125	32	20	D 4	D 4 J
Lead	2338	474	81 - 125	40	20	D 4	D 4 J
Manganese	122	1205	86 - 120	16	20	D 4	D 4
Nickel	-151	-133	90 - 113	0	20	D 4	D 4
Zinc	-1123	-4436	85 - 119	35	20	D 4	D 4 J

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113654

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	280-27123-1	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2012 1930		
Prep Date:	03/30/2012 1400		
Leach Date:	N/A		

MSD Lab Sample ID:	280-27123-1
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2012 1933
Prep Date:	03/30/2012 1400
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Antimony	6000		26000	29700	17400	J	18000	J
Arsenic	30000		26000	29700	55600		72100	J
Beryllium	69	J	26000	29700	24200		29400	
Cadmium	5300		26000	29700	31800	Q	35200	Q
Chromium	96000		26000	29700	102000	J	93300	J
Cobalt	28000		26000	29700	44900	J	53100	J
Molybdenum	5100		26000	29700	28000		36300	J
Selenium	320	J	26000	29700	16500	J	18100	J
Silver	880		26000	29700	25800		30600	
Thallium	99	J	26000	29700	25600		30100	
Vanadium	5200		26000	29700	34300		39700	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113654

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	280-27123-1	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	20		
Analysis Date:	04/02/2012 2027		
Prep Date:	03/30/2012 1400		
Leach Date:	N/A		

MSD Lab Sample ID:	280-27123-1
Client Matrix:	Solid
Dilution:	20
Analysis Date:	04/02/2012 2030
Prep Date:	03/30/2012 1400
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Barium	3400000	26000	29700	3420000	D 4	1000000	D 4 J
Copper	330000	26000	29700	276000	D 4	380000	D 4 J
Lead	800000	26000	29700	1400000	D 4	938000	D 4 J
Manganese	1800000	26000	29700	1850000	D 4	2170000	D 4
Nickel	180000	26000	29700	140000	D 4	140000	D 4
Zinc	3700000	26000	29700	3430000	D 4	2410000	D 4 J

Client: FPM Remediations Inc

Job Number: 280-27123-1

Serial Dilution - Batch: 280-113654

Method: 6020
Preparation: 3050B

Lab Sample ID:	280-27123-1	Analysis Batch:	280-114025	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-113654	Lab File ID:	047SDIL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	04/02/2012 1925	Units:	ug/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	6000		6060	0.40	10	D
Arsenic	30000		35000	15	10	D V
Beryllium	69	J	440	NC	10	U
Cadmium	5300		5530	5.4	10	D Q
Chromium	96000		112000	17	10	D V
Cobalt	28000		31900	15	10	D V
Molybdenum	5100		5730	12	10	D V
Selenium	320	J	1700	NC	10	U
Silver	880		939	NC	10	D
Thallium	99	J	96.5	NC	10	J D
Vanadium	5200		7200	38	10	D V

Serial Dilution - Batch: 280-113654

Method: 6020
Preparation: 3050B

Lab Sample ID:	280-27123-1	Analysis Batch:	280-114025	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-113654	Lab File ID:	067SDIL.D
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	04/02/2012 2022	Units:	ug/Kg	Final Weight/Volume:	100 mL
Prep Date:	03/30/2012 1400				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Barium	3400000	3230000	5.8	10	D
Copper	330000	319000	2.5	10	J D
Lead	800000	770000	3.4	10	D
Manganese	1800000	1780000	1.7	10	D
Nickel	180000	464000	158	10	D V
Zinc	3700000	3570000	4.2	10	D

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-114586

Method: 6020
Preparation: 3020A

Lab Sample ID:	MB 280-114586/1-A	Analysis Batch:	280-114972	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-114586	Lab File ID:	018_BLK.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1646	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 0830				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Antimony	0.20	U	0.40	6.0
Arsenic	0.60	U	0.33	5.0
Barium	0.85	U	0.29	3.0
Beryllium	0.24	U	0.080	1.0
Cadmium	0.12	U Q	0.10	1.0
Chromium	1.5	U	0.50	10
Cobalt	0.030	U	0.054	1.0
Copper	1.5	U	0.56	2.0
Lead	0.50	U	0.18	3.0
Manganese	0.90	U	0.31	3.5
Molybdenum	0.40	U	0.14	2.0
Nickel	0.90	U	0.30	3.0
Selenium	2.0	U	0.70	5.0
Silver	0.045	U	0.033	5.0
Thallium	0.060	U	0.050	1.0
Vanadium	0.40	U	0.50	6.0
Zinc	6.0	U	2.0	20

Client: FPM Remediations Inc

Job Number: 280-27123-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-114586

Method: 6020
Preparation: 3020A

LCS Lab Sample ID:	LCS 280-114586/2-A	Analysis Batch:	280-114972	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-114586	Lab File ID:	019_LCS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1649	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 0830				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-114586/3-A	Analysis Batch:	280-114972	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-114586	Lab File ID:	020LCSD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1652	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 0830				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	100	99	85 - 115	1	20		
Arsenic	100	100	85 - 117	0	20		
Barium	104	104	85 - 118	0	20		
Beryllium	103	99	80 - 125	5	20		
Cadmium	99	99	85 - 115	0	20	Q	Q
Chromium	105	106	84 - 121	1	20		
Cobalt	106	108	85 - 120	2	20		
Copper	106	106	85 - 119	0	20		
Lead	104	102	85 - 118	2	20		
Manganese	108	108	85 - 117	0	20		
Molybdenum	103	103	85 - 119	0	20		
Nickel	99	100	85 - 119	0	20		
Selenium	98	100	77 - 122	2	20		
Silver	104	103	85 - 115	1	20		
Thallium	105	104	85 - 118	2	20		
Vanadium	105	107	85 - 120	2	20		
Zinc	102	103	83 - 122	0	20		

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-114586

Method: 6020
Preparation: 3020A

LCS Lab Sample ID:	LCS 280-114586/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-114586/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/10/2012 1649			Analysis Date:	04/10/2012 1652
Prep Date:	04/10/2012 0830			Prep Date:	04/10/2012 0830
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Antimony	40.0	40.0	39.9		39.6	
Arsenic	40.0	40.0	40.0		40.0	
Barium	40.0	40.0	41.7		41.6	
Beryllium	40.0	40.0	41.4		39.5	
Cadmium	40.0	40.0	39.8	Q	39.6	Q
Chromium	40.0	40.0	42.0		42.3	
Cobalt	40.0	40.0	42.6		43.4	
Copper	40.0	40.0	42.4		42.5	
Lead	40.0	40.0	41.8		41.0	
Manganese	40.0	40.0	43.3		43.2	
Molybdenum	40.0	40.0	41.1		41.1	
Nickel	40.0	40.0	39.8		39.9	
Selenium	40.0	40.0	39.2		39.8	
Silver	40.0	40.0	41.7		41.2	
Thallium	40.0	40.0	42.2		41.4	
Vanadium	40.0	40.0	42.0		42.9	
Zinc	40.0	40.0	40.9		41.0	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Post Digestion Spike - Batch: 280-114586

Method: 6020
Preparation: 3020A

Lab Sample ID:	280-27123-11	Analysis Batch:	280-114972	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-114586	Lab File ID:	056PDS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1835	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 0830				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	0.20	U	200	182	91	75 - 125	
Arsenic	0.60	U	200	187	93	75 - 125	
Barium	0.85	U	200	200	100	75 - 125	
Beryllium	0.24	U	200	198	99	75 - 125	
Cadmium	0.12	U	200	183	92	75 - 125	Q
Chromium	1.5	U	200	186	93	75 - 125	
Cobalt	0.030	U	200	190	95	75 - 125	
Copper	1.5	U	200	185	92	75 - 125	
Lead	0.50	U	200	189	94	75 - 125	
Manganese	0.90	U	200	194	97	75 - 125	
Molybdenum	0.40	U	200	191	95	75 - 125	
Nickel	0.90	U	200	185	93	75 - 125	
Selenium	2.0	U	200	184	92	75 - 125	
Silver	0.045	U	50.0	46.4	93	75 - 125	
Thallium	0.060	U	200	193	96	75 - 125	
Vanadium	0.40	U	200	185	93	75 - 125	
Zinc	6.0	U	200	181	91	75 - 125	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Serial Dilution - Batch: 280-114586

Method: 6020
Preparation: 3020A

Lab Sample ID:	280-27123-11	Analysis Batch:	280-114972	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-114586	Lab File ID:	022SDIL.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/10/2012 1657	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 0830				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	0.20	U	1.0	NC	10	U
Arsenic	0.60	U	3.0	NC	10	U
Barium	0.85	U	4.3	NC	10	U
Beryllium	0.24	U	1.2	NC	10	U
Cadmium	0.12	U	0.60	NC	10	U Q
Chromium	1.5	U	7.5	NC	10	U
Cobalt	0.030	U	0.15	NC	10	U
Copper	1.5	U	7.5	NC	10	U
Lead	0.50	U	2.5	NC	10	U
Manganese	0.90	U	4.5	NC	10	U
Molybdenum	0.40	U	2.0	NC	10	U
Nickel	0.90	U	4.5	NC	10	U
Selenium	2.0	U	10	NC	10	U
Silver	0.045	U	0.23	NC	10	U
Thallium	0.060	U	0.30	NC	10	U
Vanadium	0.40	U	2.0	NC	10	U
Zinc	6.0	U	30	NC	10	U

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-114152

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 280-114152/1-A	Analysis Batch:	280-114270	Instrument ID:	MT_034
Client Matrix:	Water	Prep Batch:	280-114152	Lab File ID:	120404taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	04/04/2012 1206	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	04/04/2012 0840				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.0380	J	0.027	0.20

Lab Control Sample - Batch: 280-114152

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 280-114152/2-A	Analysis Batch:	280-114270	Instrument ID:	MT_034
Client Matrix:	Water	Prep Batch:	280-114152	Lab File ID:	120404taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	04/04/2012 1209	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	04/04/2012 0840				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.55	91	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-27123-1

Method Blank - Batch: 280-113941

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 280-113941/1-A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.66 g
Analysis Date:	04/03/2012 1707	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	12	U	5.0	30

Lab Control Sample - Batch: 280-113941

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 280-113941/2-A	Analysis Batch:	280-114184	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.66 g
Analysis Date:	04/03/2012 1709	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	379	358	95	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113941

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	280-27123-1	Analysis Batch:	280-114184	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	04/03/2012 1718			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				
Leach Date:	N/A				

MSD Lab Sample ID:	280-27123-1	Analysis Batch:	280-114184	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	04/03/2012 1721			Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	262	105	80 - 120	51	20	D J	D J

Client: FPM Remediations Inc

Job Number: 280-27123-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-113941

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	280-27123-1	Units: ug/Kg	MSD Lab Sample ID:	280-27123-1	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	10		Dilution:	10	
Analysis Date:	04/03/2012 1718		Analysis Date:	04/03/2012 1721	
Prep Date:	04/03/2012 0935		Prep Date:	04/03/2012 0935	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Mercury	820	629	619	2470	D J	1470	D J

Serial Dilution - Batch: 280-113941

Method: 7471A
Preparation: 7471A

Lab Sample ID:	280-27123-1	Analysis Batch:	280-114184	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-113941	Lab File ID:	120403taa.txt
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	04/03/2012 1716	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/03/2012 0935				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	820	735	NC	10	J D

Client: FPM Remediations Inc

Job Number: 280-27123-1

Duplicate - Batch: 280-113684

Method: Moisture
Preparation: N/A

Lab Sample ID:	280-27123-1	Analysis Batch:	280-113684	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/30/2012 0853	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	36	34	4	20	
Percent Solids	64	66	2	20	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-27123-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
GC/MS Semi VOA		
	K	Benzo (b&k) fluoranthene are unresolved due to matrix, result is reported as Benzo(b)fluoranthene.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
	U	Undetected at the Limit of Detection.
GC Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-27123-1

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	Q	One or more quality control criteria failed.
	V	Serial Dilution exceeds the control limits
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 280-114240					
LCS 280-114240/2-A	Lab Control Sample	T	Solid	5030B	
MB 280-114240/1-A	Method Blank	T	Solid	5030B	
280-27123-1	UNK10101AA	T	Solid	5030B	
280-27123-2	UNK10201AA	T	Solid	5030B	
280-27123-3	UNK10301AA	T	Solid	5030B	
280-27123-5	UNK10501AA	T	Solid	5030B	
280-27123-6	UNK10502AA	T	Solid	5030B	
280-27123-6MS	Matrix Spike	T	Solid	5030B	
280-27123-6MSD	Matrix Spike Duplicate	T	Solid	5030B	
280-27123-7	UNK10601AA	T	Solid	5030B	
280-27123-8	UNK10602AA	T	Solid	5030B	
Analysis Batch:280-114253					
LCS 280-114240/2-A	Lab Control Sample	T	Solid	8260B/DoD	280-114240
MB 280-114240/1-A	Method Blank	T	Solid	8260B/DoD	280-114240
280-27123-1	UNK10101AA	T	Solid	8260B/DoD	280-114240
280-27123-2	UNK10201AA	T	Solid	8260B/DoD	280-114240
280-27123-3	UNK10301AA	T	Solid	8260B/DoD	280-114240
280-27123-5	UNK10501AA	T	Solid	8260B/DoD	280-114240
280-27123-6	UNK10502AA	T	Solid	8260B/DoD	280-114240
280-27123-6MS	Matrix Spike	T	Solid	8260B/DoD	280-114240
280-27123-6MSD	Matrix Spike Duplicate	T	Solid	8260B/DoD	280-114240
280-27123-7	UNK10601AA	T	Solid	8260B/DoD	280-114240
280-27123-8	UNK10602AA	T	Solid	8260B/DoD	280-114240
Prep Batch: 280-114501					
LCS 280-114501/2-A	Lab Control Sample	T	Solid	5030B	
MB 280-114501/1-A	Method Blank	T	Solid	5030B	
280-27123-4	UNK10401AA	T	Solid	5030B	
280-27123-4MS	Matrix Spike	T	Solid	5030B	
280-27123-4MSD	Matrix Spike Duplicate	T	Solid	5030B	
280-27123-9	UNK10701AA	T	Solid	5030B	
280-27123-10	UNK10702AA	T	Solid	5030B	
Analysis Batch:280-114706					
LCS 280-114706/4	Lab Control Sample	T	Water	8260B/DoD	
MB 280-114706/5	Method Blank	T	Water	8260B/DoD	
280-27123-11EB	032712AE	T	Water	8260B/DoD	
280-27123-12FB	032712AF	T	Water	8260B/DoD	
280-27123-13TB	032712AR	T	Water	8260B/DoD	

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-114709					
LCS 280-114501/2-A	Lab Control Sample	T	Solid	8260B/DoD	280-114501
MB 280-114501/1-A	Method Blank	T	Solid	8260B/DoD	280-114501
280-27123-4	UNK10401AA	T	Solid	8260B/DoD	280-114501
280-27123-4MS	Matrix Spike	T	Solid	8260B/DoD	280-114501
280-27123-4MSD	Matrix Spike Duplicate	T	Solid	8260B/DoD	280-114501
280-27123-9	UNK10701AA	T	Solid	8260B/DoD	280-114501
280-27123-10	UNK10702AA	T	Solid	8260B/DoD	280-114501

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 280-113829					
LCS 280-113829/2-A	Lab Control Sample	T	Solid	3550C	
MB 280-113829/1-A	Method Blank	T	Solid	3550C	
280-27123-1	UNK10101AA	T	Solid	3550C	
280-27123-2	UNK10201AA	T	Solid	3550C	
280-27123-3	UNK10301AA	T	Solid	3550C	
280-27123-3MS	Matrix Spike	T	Solid	3550C	
280-27123-3MSD	Matrix Spike Duplicate	T	Solid	3550C	
280-27123-4	UNK10401AA	T	Solid	3550C	
280-27123-5	UNK10501AA	T	Solid	3550C	
280-27123-6	UNK10502AA	T	Solid	3550C	
280-27123-7	UNK10601AA	T	Solid	3550C	
280-27123-8	UNK10602AA	T	Solid	3550C	
280-27123-9	UNK10701AA	T	Solid	3550C	
280-27123-10	UNK10702AA	T	Solid	3550C	
Prep Batch: 280-114056					
LCS 280-114056/2-A	Lab Control Sample	T	Water	3520C	
LCSD 280-114056/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 280-114056/1-A	Method Blank	T	Water	3520C	
280-27123-11EB	032712AE	T	Water	3520C	
Analysis Batch:280-116156					
LCS 280-113829/2-A	Lab Control Sample	T	Solid	8270D/DoD	280-113829
MB 280-113829/1-A	Method Blank	T	Solid	8270D/DoD	280-113829
LCS 280-114056/2-A	Lab Control Sample	T	Water	8270D/DoD	280-114056
LCSD 280-114056/3-A	Lab Control Sample Duplicate	T	Water	8270D/DoD	280-114056
MB 280-114056/1-A	Method Blank	T	Water	8270D/DoD	280-114056
280-27123-1	UNK10101AA	T	Solid	8270D/DoD	280-113829
280-27123-2	UNK10201AA	T	Solid	8270D/DoD	280-113829
280-27123-3	UNK10301AA	T	Solid	8270D/DoD	280-113829
280-27123-3MS	Matrix Spike	T	Solid	8270D/DoD	280-113829
280-27123-3MSD	Matrix Spike Duplicate	T	Solid	8270D/DoD	280-113829
280-27123-4	UNK10401AA	T	Solid	8270D/DoD	280-113829
280-27123-5	UNK10501AA	T	Solid	8270D/DoD	280-113829
280-27123-6	UNK10502AA	T	Solid	8270D/DoD	280-113829
280-27123-7	UNK10601AA	T	Solid	8270D/DoD	280-113829
280-27123-8	UNK10602AA	T	Solid	8270D/DoD	280-113829
280-27123-9	UNK10701AA	T	Solid	8270D/DoD	280-113829
280-27123-10	UNK10702AA	T	Solid	8270D/DoD	280-113829
280-27123-11EB	032712AE	T	Water	8270D/DoD	280-114056

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 280-113965					
LCS 280-113965/2-A	Lab Control Sample	T	Water	3510C	
LCS 280-113965/3-A	Lab Control Sample	T	Water	3510C	
LCS 280-113965/5-A	Lab Control Sample	T	Water	3510C	
MB 280-113965/1-A	Method Blank	T	Water	3510C	
280-27123-11EB	032712AE	T	Water	3510C	
Prep Batch: 280-113973					
LCS 280-113973/2-A	Lab Control Sample	T	Solid	3546	
LCS 280-113973/26-A	Lab Control Sample	T	Solid	3546	
LCS 280-113973/3-A	Lab Control Sample	T	Solid	3546	
MB 280-113973/1-A	Method Blank	T	Solid	3546	
280-27123-1	UNK10101AA	T	Solid	3546	
280-27123-2	UNK10201AA	T	Solid	3546	
280-27123-2MS	Matrix Spike	T	Solid	3546	
280-27123-2MSD	Matrix Spike Duplicate	T	Solid	3546	
280-27123-3	UNK10301AA	T	Solid	3546	
280-27123-3MS	Matrix Spike	T	Solid	3546	
280-27123-3MSD	Matrix Spike Duplicate	T	Solid	3546	
280-27123-4	UNK10401AA	T	Solid	3546	
280-27123-5	UNK10501AA	T	Solid	3546	
280-27123-6	UNK10502AA	T	Solid	3546	
280-27123-7	UNK10601AA	T	Solid	3546	
280-27123-8	UNK10602AA	T	Solid	3546	
280-27123-9	UNK10701AA	T	Solid	3546	
280-27123-10	UNK10702AA	T	Solid	3546	
280-27123-10MS	Matrix Spike	T	Solid	3546	
280-27123-10MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:280-114395					
LCS 280-113965/2-A	Lab Control Sample	T	Water	8081A	280-113965
LCS 280-113965/5-A	Lab Control Sample	T	Water	8081A	280-113965
MB 280-113965/1-A	Method Blank	T	Water	8081A	280-113965
280-27123-11EB	032712AE	T	Water	8081A	280-113965

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:280-114993					
LCS 280-113973/3-A	Lab Control Sample	T	Solid	8082	280-113973
MB 280-113973/1-A	Method Blank	T	Solid	8082	280-113973
280-27123-1	UNK10101AA	T	Solid	8082	280-113973
280-27123-2	UNK10201AA	T	Solid	8082	280-113973
280-27123-3	UNK10301AA	T	Solid	8082	280-113973
280-27123-3MS	Matrix Spike	T	Solid	8082	280-113973
280-27123-3MSD	Matrix Spike Duplicate	T	Solid	8082	280-113973
280-27123-4	UNK10401AA	T	Solid	8082	280-113973
280-27123-5	UNK10501AA	T	Solid	8082	280-113973
280-27123-6	UNK10502AA	T	Solid	8082	280-113973
280-27123-7	UNK10601AA	T	Solid	8082	280-113973
280-27123-8	UNK10602AA	T	Solid	8082	280-113973
280-27123-9	UNK10701AA	T	Solid	8082	280-113973
280-27123-10	UNK10702AA	T	Solid	8082	280-113973
Analysis Batch:280-115240					
LCS 280-113973/2-A	Lab Control Sample	T	Solid	8081A	280-113973
LCS 280-113973/26-A	Lab Control Sample	T	Solid	8081A	280-113973
MB 280-113973/1-A	Method Blank	T	Solid	8081A	280-113973
280-27123-1	UNK10101AA	T	Solid	8081A	280-113973
280-27123-2	UNK10201AA	T	Solid	8081A	280-113973
280-27123-2MS	Matrix Spike	T	Solid	8081A	280-113973
280-27123-2MSD	Matrix Spike Duplicate	T	Solid	8081A	280-113973
280-27123-3	UNK10301AA	T	Solid	8081A	280-113973
280-27123-4	UNK10401AA	T	Solid	8081A	280-113973
280-27123-5	UNK10501AA	T	Solid	8081A	280-113973
280-27123-6	UNK10502AA	T	Solid	8081A	280-113973
280-27123-7	UNK10601AA	T	Solid	8081A	280-113973
280-27123-8	UNK10602AA	T	Solid	8081A	280-113973
280-27123-9	UNK10701AA	T	Solid	8081A	280-113973
280-27123-10	UNK10702AA	T	Solid	8081A	280-113973
280-27123-10MS	Matrix Spike	T	Solid	8081A	280-113973
280-27123-10MSD	Matrix Spike Duplicate	T	Solid	8081A	280-113973
Analysis Batch:280-115556					
LCS 280-113965/3-A	Lab Control Sample	T	Water	8082	280-113965
MB 280-113965/1-A	Method Blank	T	Water	8082	280-113965
280-27123-11EB	032712AE	T	Water	8082	280-113965

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:280-115801					
280-27123-1	UNK10101AA	T	Solid	8081A	280-113973
280-27123-2	UNK10201AA	T	Solid	8081A	280-113973
280-27123-3	UNK10301AA	T	Solid	8081A	280-113973
280-27123-4	UNK10401AA	T	Solid	8081A	280-113973
280-27123-5	UNK10501AA	T	Solid	8081A	280-113973
280-27123-6	UNK10502AA	T	Solid	8081A	280-113973
280-27123-7	UNK10601AA	T	Solid	8081A	280-113973
280-27123-8	UNK10602AA	T	Solid	8081A	280-113973
280-27123-9	UNK10701AA	T	Solid	8081A	280-113973
280-27123-10	UNK10702AA	T	Solid	8081A	280-113973

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-113654					
LCS 280-113654/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-113654/1-A	Method Blank	T	Solid	3050B	
280-27123-1	UNK10101AA	T	Solid	3050B	
280-27123-1DL	UNK10101AA	T	Solid	3050B	
280-27123-1MS	Matrix Spike	T	Solid	3050B	
280-27123-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
280-27123-2	UNK10201AA	T	Solid	3050B	
280-27123-3	UNK10301AA	T	Solid	3050B	
280-27123-4	UNK10401AA	T	Solid	3050B	
280-27123-5	UNK10501AA	T	Solid	3050B	
280-27123-5DL	UNK10501AA	T	Solid	3050B	
280-27123-6	UNK10502AA	T	Solid	3050B	
280-27123-7	UNK10601AA	T	Solid	3050B	
280-27123-8	UNK10602AA	T	Solid	3050B	
280-27123-9	UNK10701AA	T	Solid	3050B	
280-27123-10	UNK10702AA	T	Solid	3050B	
Prep Batch: 280-113656					
LCS 280-113656/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-113656/1-A	Method Blank	T	Solid	3050B	
280-27123-1	UNK10101AA	T	Solid	3050B	
280-27123-1MS	Matrix Spike	T	Solid	3050B	
280-27123-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
280-27123-2	UNK10201AA	T	Solid	3050B	
280-27123-3	UNK10301AA	T	Solid	3050B	
280-27123-4	UNK10401AA	T	Solid	3050B	
280-27123-5	UNK10501AA	T	Solid	3050B	
280-27123-6	UNK10502AA	T	Solid	3050B	
280-27123-7	UNK10601AA	T	Solid	3050B	
280-27123-8	UNK10602AA	T	Solid	3050B	
280-27123-9	UNK10701AA	T	Solid	3050B	
280-27123-10	UNK10702AA	T	Solid	3050B	

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-113941					
LCS 280-113941/2-A	Lab Control Sample	T	Solid	7471A	
MB 280-113941/1-A	Method Blank	T	Solid	7471A	
280-27123-1	UNK10101AA	T	Solid	7471A	
280-27123-1MS	Matrix Spike	T	Solid	7471A	
280-27123-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
280-27123-2	UNK10201AA	T	Solid	7471A	
280-27123-3	UNK10301AA	T	Solid	7471A	
280-27123-4	UNK10401AA	T	Solid	7471A	
280-27123-5	UNK10501AA	T	Solid	7471A	
280-27123-6	UNK10502AA	T	Solid	7471A	
280-27123-7	UNK10601AA	T	Solid	7471A	
280-27123-8	UNK10602AA	T	Solid	7471A	
280-27123-9	UNK10701AA	T	Solid	7471A	
280-27123-10	UNK10702AA	T	Solid	7471A	
Analysis Batch:280-114003					
LCS 280-113656/2-A	Lab Control Sample	T	Solid	6010B	280-113656
MB 280-113656/1-A	Method Blank	T	Solid	6010B	280-113656
280-27123-1	UNK10101AA	T	Solid	6010B	280-113656
280-27123-1MS	Matrix Spike	T	Solid	6010B	280-113656
280-27123-1MSD	Matrix Spike Duplicate	T	Solid	6010B	280-113656
280-27123-2	UNK10201AA	T	Solid	6010B	280-113656
280-27123-3	UNK10301AA	T	Solid	6010B	280-113656
280-27123-4	UNK10401AA	T	Solid	6010B	280-113656
280-27123-5	UNK10501AA	T	Solid	6010B	280-113656
280-27123-6	UNK10502AA	T	Solid	6010B	280-113656
280-27123-7	UNK10601AA	T	Solid	6010B	280-113656
280-27123-8	UNK10602AA	T	Solid	6010B	280-113656
280-27123-9	UNK10701AA	T	Solid	6010B	280-113656
280-27123-10	UNK10702AA	T	Solid	6010B	280-113656

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-114025					
LCS 280-113654/2-A	Lab Control Sample	T	Solid	6020	280-113654
MB 280-113654/1-A	Method Blank	T	Solid	6020	280-113654
280-27123-1	UNK10101AA	T	Solid	6020	280-113654
280-27123-1DL	UNK10101AA	T	Solid	6020	280-113654
280-27123-1MS	Matrix Spike	T	Solid	6020	280-113654
280-27123-1MSD	Matrix Spike Duplicate	T	Solid	6020	280-113654
280-27123-2	UNK10201AA	T	Solid	6020	280-113654
280-27123-3	UNK10301AA	T	Solid	6020	280-113654
280-27123-4	UNK10401AA	T	Solid	6020	280-113654
280-27123-5	UNK10501AA	T	Solid	6020	280-113654
280-27123-5DL	UNK10501AA	T	Solid	6020	280-113654
280-27123-6	UNK10502AA	T	Solid	6020	280-113654
280-27123-7	UNK10601AA	T	Solid	6020	280-113654
280-27123-8	UNK10602AA	T	Solid	6020	280-113654
280-27123-9	UNK10701AA	T	Solid	6020	280-113654
280-27123-10	UNK10702AA	T	Solid	6020	280-113654
Analysis Batch:280-114077					
LCS 280-113656/2-A	Lab Control Sample	T	Solid	6010B	280-113656
MB 280-113656/1-A	Method Blank	T	Solid	6010B	280-113656
280-27123-1	UNK10101AA	T	Solid	6010B	280-113656
280-27123-1MS	Matrix Spike	T	Solid	6010B	280-113656
280-27123-1MSD	Matrix Spike Duplicate	T	Solid	6010B	280-113656
280-27123-2	UNK10201AA	T	Solid	6010B	280-113656
280-27123-3	UNK10301AA	T	Solid	6010B	280-113656
280-27123-4	UNK10401AA	T	Solid	6010B	280-113656
280-27123-5	UNK10501AA	T	Solid	6010B	280-113656
280-27123-6	UNK10502AA	T	Solid	6010B	280-113656
280-27123-7	UNK10601AA	T	Solid	6010B	280-113656
280-27123-8	UNK10602AA	T	Solid	6010B	280-113656
280-27123-9	UNK10701AA	T	Solid	6010B	280-113656
280-27123-10	UNK10702AA	T	Solid	6010B	280-113656
Prep Batch: 280-114152					
LCS 280-114152/2-A	Lab Control Sample	T	Water	7470A	
MB 280-114152/1-A	Method Blank	T	Water	7470A	
280-27123-11EB	032712AE	T	Water	7470A	

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-114184					
LCS 280-113941/2-A	Lab Control Sample	T	Solid	7471A	280-113941
MB 280-113941/1-A	Method Blank	T	Solid	7471A	280-113941
280-27123-1	UNK10101AA	T	Solid	7471A	280-113941
280-27123-1MS	Matrix Spike	T	Solid	7471A	280-113941
280-27123-1MSD	Matrix Spike Duplicate	T	Solid	7471A	280-113941
280-27123-2	UNK10201AA	T	Solid	7471A	280-113941
280-27123-3	UNK10301AA	T	Solid	7471A	280-113941
280-27123-4	UNK10401AA	T	Solid	7471A	280-113941
280-27123-5	UNK10501AA	T	Solid	7471A	280-113941
280-27123-6	UNK10502AA	T	Solid	7471A	280-113941
280-27123-7	UNK10601AA	T	Solid	7471A	280-113941
280-27123-8	UNK10602AA	T	Solid	7471A	280-113941
280-27123-9	UNK10701AA	T	Solid	7471A	280-113941
280-27123-10	UNK10702AA	T	Solid	7471A	280-113941
Analysis Batch:280-114270					
LCS 280-114152/2-A	Lab Control Sample	T	Water	7470A	280-114152
MB 280-114152/1-A	Method Blank	T	Water	7470A	280-114152
280-27123-11EB	032712AE	T	Water	7470A	280-114152
Prep Batch: 280-114545					
LCS 280-114545/2-A	Lab Control Sample	T	Water	3010A	
LCSD 280-114545/3-A	Lab Control Sample Duplicate	T	Water	3010A	
MB 280-114545/1-A	Method Blank	T	Water	3010A	
280-27123-11EB	032712AE	T	Water	3010A	
Prep Batch: 280-114586					
LCS 280-114586/2-A	Lab Control Sample	T	Water	3020A	
LCSD 280-114586/3-A	Lab Control Sample Duplicate	T	Water	3020A	
MB 280-114586/1-A	Method Blank	T	Water	3020A	
280-27123-11EB	032712AE	T	Water	3020A	
Analysis Batch:280-114798					
LCS 280-114545/2-A	Lab Control Sample	T	Water	6010B	280-114545
LCSD 280-114545/3-A	Lab Control Sample Duplicate	T	Water	6010B	280-114545
MB 280-114545/1-A	Method Blank	T	Water	6010B	280-114545
280-27123-11EB	032712AE	T	Water	6010B	280-114545
Analysis Batch:280-114957					
LCS 280-114545/2-A	Lab Control Sample	T	Water	6010B	280-114545
LCSD 280-114545/3-A	Lab Control Sample Duplicate	T	Water	6010B	280-114545
MB 280-114545/1-A	Method Blank	T	Water	6010B	280-114545
280-27123-11EB	032712AE	T	Water	6010B	280-114545

Client: FPM Remediations Inc

Job Number: 280-27123-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-114972					
LCS 280-114586/2-A	Lab Control Sample	T	Water	6020	280-114586
LCSD 280-114586/3-A	Lab Control Sample Duplicate	T	Water	6020	280-114586
MB 280-114586/1-A	Method Blank	T	Water	6020	280-114586
280-27123-11EB	032712AE	T	Water	6020	280-114586

Report Basis
T = Total

General Chemistry					
Analysis Batch:280-113684					
280-27123-1	UNK10101AA	T	Solid	Moisture	
280-27123-1DU	Duplicate	T	Solid	Moisture	
280-27123-2	UNK10201AA	T	Solid	Moisture	
280-27123-3	UNK10301AA	T	Solid	Moisture	
280-27123-4	UNK10401AA	T	Solid	Moisture	
280-27123-5	UNK10501AA	T	Solid	Moisture	
280-27123-6	UNK10502AA	T	Solid	Moisture	
280-27123-7	UNK10601AA	T	Solid	Moisture	
280-27123-8	UNK10602AA	T	Solid	Moisture	
280-27123-9	UNK10701AA	T	Solid	Moisture	
280-27123-10	UNK10702AA	T	Solid	Moisture	

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-1 **Client ID:** UNK10101AA

Sample Date/Time: 03/27/2012 09:55 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-1-A		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	280-27123-B-1-A		280-114253	280-114240	04/04/2012 13:25	1	TAL DEN	JR
P:3550C	280-27123-A-1-J		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	280-27123-A-1-J		280-116156	280-113829	04/18/2012 21:50	1	TAL DEN	MGH
P:3546	280-27123-A-1-N		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-1-N		280-115240	280-113973	04/11/2012 19:38	1	TAL DEN	DW
P:3546	280-27123-A-1-N		280-115801	280-113973	04/02/2012 17:20	5	TAL DEN	SPF
A:8081A	280-27123-A-1-N		280-115801	280-113973	04/16/2012 21:26	5	TAL DEN	DW
P:3546	280-27123-A-1-N		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-1-N		280-114993	280-113973	04/10/2012 17:42	1	TAL DEN	TDJ
P:3050B	280-27123-A-1-G		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-1-G		280-114003	280-113656	04/02/2012 12:29	1	TAL DEN	HEB
P:3050B	280-27123-A-1-G ^5		280-114077	280-113656	03/30/2012 14:00	5	TAL DEN	JM
A:6010B	280-27123-A-1-G ^5		280-114077	280-113656	04/03/2012 11:59	5	TAL DEN	HEB
P:3050B	280-27123-A-1-D		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-1-D		280-114025	280-113654	04/02/2012 19:22	1	TAL DEN	TEL
P:3050B	280-27123-A-1-D	DL	280-114025	280-113654	03/30/2012 14:00	20	TAL DEN	JM
A:6020	280-27123-A-1-D	DL	280-114025	280-113654	04/02/2012 20:19	20	TAL DEN	TEL
P:7471A	280-27123-A-1-K ^10		280-114184	280-113941	04/03/2012 09:35	10	TAL DEN	CLI
A:7471A	280-27123-A-1-K ^10		280-114184	280-113941	04/03/2012 17:14	10	TAL DEN	CLI
A:Moisture	280-27123-A-1		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Lab ID: 280-27123-1 MS **Client ID:** UNK10101AA

Sample Date/Time: 03/27/2012 09:55 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	280-27123-A-1-H MS		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-1-H MS		280-114003	280-113656	04/02/2012 12:34	1	TAL DEN	HEB
P:3050B	280-27123-A-1-H MS ^5		280-114077	280-113656	03/30/2012 14:00	5	TAL DEN	JM
A:6010B	280-27123-A-1-H MS ^5		280-114077	280-113656	04/03/2012 12:04	5	TAL DEN	HEB
P:3050B	280-27123-A-1-E MS		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-1-E MS		280-114025	280-113654	04/02/2012 19:30	1	TAL DEN	TEL
P:3050B	280-27123-A-1-E MS		280-114025	280-113654	03/30/2012 14:00	20	TAL DEN	JM
A:6020	280-27123-A-1-E MS		280-114025	280-113654	04/02/2012 20:27	20	TAL DEN	TEL
P:7471A	280-27123-A-1-L MS ^10		280-114184	280-113941	04/03/2012 09:35	10	TAL DEN	CLI
A:7471A	280-27123-A-1-L MS ^10		280-114184	280-113941	04/03/2012 17:18	10	TAL DEN	CLI

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-1 MSD **Client ID:** UNK10101AA

Sample Date/Time: 03/27/2012 09:55 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	280-27123-A-1-I MSD		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-1-I MSD		280-114003	280-113656	04/02/2012 12:36	1	TAL DEN	HEB
P:3050B	280-27123-A-1-I MSD ^5		280-114077	280-113656	03/30/2012 14:00	5	TAL DEN	JM
A:6010B	280-27123-A-1-I MSD ^5		280-114077	280-113656	04/03/2012 12:06	5	TAL DEN	HEB
P:3050B	280-27123-A-1-F MSD		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-1-F MSD		280-114025	280-113654	04/02/2012 19:33	1	TAL DEN	TEL
P:3050B	280-27123-A-1-F MSD		280-114025	280-113654	03/30/2012 14:00	20	TAL DEN	JM
A:6020	280-27123-A-1-F MSD		280-114025	280-113654	04/02/2012 20:30	20	TAL DEN	TEL
P:7471A	280-27123-A-1-M MSD ^10		280-114184	280-113941	04/03/2012 09:35	10	TAL DEN	CLI
A:7471A	280-27123-A-1-M MSD ^10		280-114184	280-113941	04/03/2012 17:21	10	TAL DEN	CLI

Lab ID: 280-27123-1 DU **Client ID:** UNK10101AA

Sample Date/Time: 03/27/2012 09:55 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	280-27123-A-1 DU		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-1 SD **Client ID:** UNK10101AA

Sample Date/Time: 03/27/2012 09:55 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	280-27123-A-1-G SD ^5		280-114003	280-113656	03/30/2012 14:00	5	TAL DEN	JM
A:6010B	280-27123-A-1-G SD ^5		280-114003	280-113656	04/02/2012 12:31	5	TAL DEN	HEB
P:3050B	280-27123-A-1-G PDS		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-1-G PDS		280-114003	280-113656	04/02/2012 12:39	1	TAL DEN	HEB
P:3050B	280-27123-A-1-G SD ^25		280-114077	280-113656	03/30/2012 14:00	25	TAL DEN	JM
A:6010B	280-27123-A-1-G SD ^25		280-114077	280-113656	04/03/2012 12:01	25	TAL DEN	HEB
P:3050B	280-27123-A-1-G PDS ^5		280-114077	280-113656	03/30/2012 14:00	5	TAL DEN	JM
A:6010B	280-27123-A-1-G PDS ^5		280-114077	280-113656	04/03/2012 12:08	5	TAL DEN	HEB
P:3050B	280-27123-A-1-D SD ^5		280-114025	280-113654	03/30/2012 14:00	5	TAL DEN	JM
A:6020	280-27123-A-1-D SD ^5		280-114025	280-113654	04/02/2012 19:25	5	TAL DEN	TEL
P:3050B	280-27123-A-1-D PDS		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-1-D PDS		280-114025	280-113654	04/02/2012 19:28	1	TAL DEN	TEL
P:3050B	280-27123-A-1-D SD ^100		280-114025	280-113654	03/30/2012 14:00	100	TAL DEN	JM
A:6020	280-27123-A-1-D SD ^100		280-114025	280-113654	04/02/2012 20:22	100	TAL DEN	TEL
P:3050B	280-27123-A-1-D PDS		280-114025	280-113654	03/30/2012 14:00	20	TAL DEN	JM
A:6020	280-27123-A-1-D PDS		280-114025	280-113654	04/02/2012 20:25	20	TAL DEN	TEL
P:7471A	280-27123-A-1-K SD ^50		280-114184	280-113941	04/03/2012 09:35	50	TAL DEN	CLI
A:7471A	280-27123-A-1-K SD ^50		280-114184	280-113941	04/03/2012 17:16	50	TAL DEN	CLI

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-2 **Client ID:** UNK10201AA

Sample Date/Time: 03/27/2012 10:20 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-2-A		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	280-27123-B-2-A		280-114253	280-114240	04/04/2012 13:46	1	TAL DEN	JR
P:3550C	280-27123-A-2-D		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	280-27123-A-2-D		280-116156	280-113829	04/18/2012 22:09	1	TAL DEN	MGH
P:3546	280-27123-A-2-F		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-2-F		280-115240	280-113973	04/11/2012 19:55	1	TAL DEN	DW
P:3546	280-27123-A-2-F		280-115801	280-113973	04/02/2012 17:20	5	TAL DEN	SPF
A:8081A	280-27123-A-2-F		280-115801	280-113973	04/16/2012 21:43	5	TAL DEN	DW
P:3546	280-27123-A-2-F		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-2-F		280-114993	280-113973	04/10/2012 18:05	1	TAL DEN	TDJ
P:3050B	280-27123-A-2-C		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-2-C		280-114003	280-113656	04/02/2012 12:41	1	TAL DEN	HEB
P:3050B	280-27123-A-2-C ^5		280-114077	280-113656	03/30/2012 14:00	5	TAL DEN	JM
A:6010B	280-27123-A-2-C ^5		280-114077	280-113656	04/03/2012 12:20	5	TAL DEN	HEB
P:3050B	280-27123-A-2-B		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-2-B		280-114025	280-113654	04/02/2012 19:36	1	TAL DEN	TEL
P:7471A	280-27123-A-2-E ^20		280-114184	280-113941	04/03/2012 09:35	20	TAL DEN	CLI
A:7471A	280-27123-A-2-E ^20		280-114184	280-113941	04/03/2012 17:23	20	TAL DEN	CLI
A:Moisture	280-27123-A-2		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Lab ID: 280-27123-2 MS **Client ID:** UNK10201AA

Sample Date/Time: 03/27/2012 10:20 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-27123-A-2-G MS		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-2-G MS		280-115240	280-113973	04/11/2012 20:11	1	TAL DEN	DW

Lab ID: 280-27123-2 MSD **Client ID:** UNK10201AA

Sample Date/Time: 03/27/2012 10:20 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-27123-A-2-H MSD		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-2-H MSD		280-115240	280-113973	04/11/2012 20:28	1	TAL DEN	DW

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-3 **Client ID:** UNK10301AA

Sample Date/Time: 03/27/2012 10:45 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-3-A		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	280-27123-B-3-A		280-114253	280-114240	04/04/2012 14:08	1	TAL DEN	JR
P:3550C	280-27123-A-3-D		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	280-27123-A-3-D		280-116156	280-113829	04/18/2012 22:28	1	TAL DEN	MGH
P:3546	280-27123-A-3-H		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-3-H		280-115240	280-113973	04/11/2012 20:45	1	TAL DEN	DW
P:3546	280-27123-A-3-H		280-115801	280-113973	04/02/2012 17:20	5	TAL DEN	SPF
A:8081A	280-27123-A-3-H		280-115801	280-113973	04/16/2012 22:00	5	TAL DEN	DW
P:3546	280-27123-A-3-H		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-3-H		280-114993	280-113973	04/10/2012 18:28	1	TAL DEN	TDJ
P:3050B	280-27123-A-3-C		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-3-C		280-114003	280-113656	04/02/2012 12:53	1	TAL DEN	HEB
P:3050B	280-27123-A-3-C ^5		280-114077	280-113656	03/30/2012 14:00	5	TAL DEN	JM
A:6010B	280-27123-A-3-C ^5		280-114077	280-113656	04/03/2012 12:23	5	TAL DEN	HEB
P:3050B	280-27123-A-3-B		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-3-B		280-114025	280-113654	04/02/2012 19:39	1	TAL DEN	TEL
P:7471A	280-27123-A-3-G		280-114184	280-113941	04/03/2012 09:35	1	TAL DEN	CLI
A:7471A	280-27123-A-3-G		280-114184	280-113941	04/03/2012 17:25	1	TAL DEN	CLI
A:Moisture	280-27123-A-3		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Lab ID: 280-27123-3 MS **Client ID:** UNK10301AA

Sample Date/Time: 03/27/2012 10:45 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-27123-A-3-E MS		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	280-27123-A-3-E MS		280-116156	280-113829	04/18/2012 22:47	1	TAL DEN	MGH
P:3546	280-27123-A-3-I MS		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-3-I MS		280-114993	280-113973	04/10/2012 19:14	1	TAL DEN	TDJ

Lab ID: 280-27123-3 MSD **Client ID:** UNK10301AA

Sample Date/Time: 03/27/2012 10:45 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-27123-A-3-F MSD		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	280-27123-A-3-F MSD		280-116156	280-113829	04/18/2012 23:06	1	TAL DEN	MGH
P:3546	280-27123-A-3-J MSD		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-3-J MSD		280-114993	280-113973	04/10/2012 19:37	1	TAL DEN	TDJ

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-4 **Client ID:** UNK10401AA

Sample Date/Time: 03/27/2012 11:20 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-4-B		280-114709	280-114501	04/06/2012 06:00	1	TAL DEN	LMH
A:8260B/DoD	280-27123-B-4-B		280-114709	280-114501	04/06/2012 11:01	1	TAL DEN	LMH
P:3550C	280-27123-A-4-D		280-116156	280-113829	03/31/2012 13:17	4	TAL DEN	RLB
A:8270D/DoD	280-27123-A-4-D		280-116156	280-113829	04/18/2012 23:25	4	TAL DEN	MGH
P:3546	280-27123-A-4-F		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-4-F		280-115240	280-113973	04/11/2012 21:01	1	TAL DEN	DW
P:3546	280-27123-A-4-F		280-115801	280-113973	04/02/2012 17:20	5	TAL DEN	SPF
A:8081A	280-27123-A-4-F		280-115801	280-113973	04/16/2012 22:18	5	TAL DEN	DW
P:3546	280-27123-A-4-F		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-4-F		280-114993	280-113973	04/10/2012 20:00	1	TAL DEN	TDJ
P:3050B	280-27123-A-4-C		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-4-C		280-114003	280-113656	04/02/2012 12:56	1	TAL DEN	HEB
P:3050B	280-27123-A-4-C ^5		280-114077	280-113656	03/30/2012 14:00	5	TAL DEN	JM
A:6010B	280-27123-A-4-C ^5		280-114077	280-113656	04/03/2012 12:25	5	TAL DEN	HEB
P:3050B	280-27123-A-4-B		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-4-B		280-114025	280-113654	04/02/2012 19:50	1	TAL DEN	TEL
P:7471A	280-27123-A-4-E		280-114184	280-113941	04/03/2012 09:35	1	TAL DEN	CLI
A:7471A	280-27123-A-4-E		280-114184	280-113941	04/03/2012 17:28	1	TAL DEN	CLI
A:Moisture	280-27123-A-4		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Lab ID: 280-27123-4 MS **Client ID:** UNK10401AA

Sample Date/Time: 03/27/2012 11:20 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-4-C MS		280-114709	280-114501	04/06/2012 06:00	1	TAL DEN	LMH
A:8260B/DoD	280-27123-B-4-C MS		280-114709	280-114501	04/06/2012 11:39	1	TAL DEN	LMH

Lab ID: 280-27123-4 MSD **Client ID:** UNK10401AA

Sample Date/Time: 03/27/2012 11:20 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-4-D MSD		280-114709	280-114501	04/06/2012 06:00	1	TAL DEN	LMH
A:8260B/DoD	280-27123-B-4-D MSD		280-114709	280-114501	04/06/2012 11:58	1	TAL DEN	LMH

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-5 **Client ID:** UNK10501AA

Sample Date/Time: 03/27/2012 11:50 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-5-A		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	280-27123-B-5-A		280-114253	280-114240	04/04/2012 18:23	1	TAL DEN	JR
P:3550C	280-27123-A-5-D		280-116156	280-113829	03/31/2012 13:17	4	TAL DEN	RLB
A:8270D/DoD	280-27123-A-5-D		280-116156	280-113829	04/18/2012 23:44	4	TAL DEN	MGH
P:3546	280-27123-A-5-F		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-5-F		280-115240	280-113973	04/11/2012 22:08	1	TAL DEN	DW
P:3546	280-27123-A-5-F		280-115801	280-113973	04/02/2012 17:20	5	TAL DEN	SPF
A:8081A	280-27123-A-5-F		280-115801	280-113973	04/16/2012 22:35	5	TAL DEN	DW
P:3546	280-27123-A-5-F		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-5-F		280-114993	280-113973	04/10/2012 20:23	1	TAL DEN	TDJ
P:3050B	280-27123-A-5-C		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-5-C		280-114003	280-113656	04/02/2012 12:58	1	TAL DEN	HEB
P:3050B	280-27123-A-5-C ^5		280-114077	280-113656	03/30/2012 14:00	5	TAL DEN	JM
A:6010B	280-27123-A-5-C ^5		280-114077	280-113656	04/03/2012 12:28	5	TAL DEN	HEB
P:3050B	280-27123-A-5-B		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-5-B		280-114025	280-113654	04/02/2012 19:53	1	TAL DEN	TEL
P:3050B	280-27123-A-5-B	DL	280-114025	280-113654	03/30/2012 14:00	20	TAL DEN	JM
A:6020	280-27123-A-5-B	DL	280-114025	280-113654	04/02/2012 20:33	20	TAL DEN	TEL
P:7471A	280-27123-A-5-E		280-114184	280-113941	04/03/2012 09:35	1	TAL DEN	CLI
A:7471A	280-27123-A-5-E		280-114184	280-113941	04/03/2012 17:34	1	TAL DEN	CLI
A:Moisture	280-27123-A-5		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-6 **Client ID:** UNK10502AA

Sample Date/Time: 03/27/2012 12:00 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-6-A		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	280-27123-B-6-A		280-114253	280-114240	04/04/2012 16:58	1	TAL DEN	JR
P:3550C	280-27123-A-6-D		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	280-27123-A-6-D		280-116156	280-113829	04/19/2012 00:02	1	TAL DEN	MGH
P:3546	280-27123-A-6-F		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-6-F		280-115240	280-113973	04/11/2012 22:24	1	TAL DEN	DW
P:3546	280-27123-A-6-F		280-115801	280-113973	04/02/2012 17:20	5	TAL DEN	SPF
A:8081A	280-27123-A-6-F		280-115801	280-113973	04/16/2012 22:52	5	TAL DEN	DW
P:3546	280-27123-A-6-F		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-6-F		280-114993	280-113973	04/10/2012 20:46	1	TAL DEN	TDJ
P:3050B	280-27123-A-6-C		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-6-C		280-114003	280-113656	04/02/2012 13:01	1	TAL DEN	HEB
P:3050B	280-27123-A-6-C		280-114077	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-6-C		280-114077	280-113656	04/03/2012 12:30	1	TAL DEN	HEB
P:3050B	280-27123-A-6-B		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-6-B		280-114025	280-113654	04/02/2012 19:56	1	TAL DEN	TEL
P:3050B	280-27123-A-6-B		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-6-B		280-114025	280-113654	04/02/2012 20:36	1	TAL DEN	TEL
P:7471A	280-27123-A-6-E		280-114184	280-113941	04/03/2012 09:35	1	TAL DEN	CLI
A:7471A	280-27123-A-6-E		280-114184	280-113941	04/03/2012 17:37	1	TAL DEN	CLI
A:Moisture	280-27123-A-6		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Lab ID: 280-27123-6 MS **Client ID:** UNK10502AA

Sample Date/Time: 03/27/2012 12:00 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-6-B MS		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	280-27123-B-6-B MS		280-114253	280-114240	04/04/2012 17:19	1	TAL DEN	JR

Lab ID: 280-27123-6 MSD **Client ID:** UNK10502AA

Sample Date/Time: 03/27/2012 12:00 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-6-C MSD		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	280-27123-B-6-C MSD		280-114253	280-114240	04/04/2012 17:40	1	TAL DEN	JR

Client: FPM Remediations Inc Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-7 **Client ID:** UNK10601AA

Sample Date/Time: 03/27/2012 12:15 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-7-A		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	280-27123-B-7-A		280-114253	280-114240	04/04/2012 18:44	1	TAL DEN	JR
P:3550C	280-27123-A-7-D		280-116156	280-113829	03/31/2012 13:17	4	TAL DEN	RLB
A:8270D/DoD	280-27123-A-7-D		280-116156	280-113829	04/19/2012 00:21	4	TAL DEN	MGH
P:3546	280-27123-A-7-F		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-7-F		280-115240	280-113973	04/11/2012 22:41	1	TAL DEN	DW
P:3546	280-27123-A-7-F		280-115801	280-113973	04/02/2012 17:20	5	TAL DEN	SPF
A:8081A	280-27123-A-7-F		280-115801	280-113973	04/16/2012 23:09	5	TAL DEN	DW
P:3546	280-27123-A-7-F		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-7-F		280-114993	280-113973	04/10/2012 21:09	1	TAL DEN	TDJ
P:3050B	280-27123-A-7-C		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-7-C		280-114003	280-113656	04/02/2012 13:03	1	TAL DEN	HEB
P:3050B	280-27123-A-7-C		280-114077	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-7-C		280-114077	280-113656	04/03/2012 12:32	1	TAL DEN	HEB
P:3050B	280-27123-A-7-B		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-7-B		280-114025	280-113654	04/02/2012 19:59	1	TAL DEN	TEL
P:7471A	280-27123-A-7-E		280-114184	280-113941	04/03/2012 09:35	1	TAL DEN	CLI
A:7471A	280-27123-A-7-E		280-114184	280-113941	04/03/2012 17:39	1	TAL DEN	CLI
A:Moisture	280-27123-A-7		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Lab ID: 280-27123-8 **Client ID:** UNK10602AA

Sample Date/Time: 03/27/2012 12:45 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-8-A		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	280-27123-B-8-A		280-114253	280-114240	04/04/2012 19:05	1	TAL DEN	JR
P:3550C	280-27123-A-8-D		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	280-27123-A-8-D		280-116156	280-113829	04/19/2012 00:40	1	TAL DEN	MGH
P:3546	280-27123-A-8-F		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-8-F		280-115240	280-113973	04/11/2012 22:58	1	TAL DEN	DW
P:3546	280-27123-A-8-F		280-115801	280-113973	04/02/2012 17:20	5	TAL DEN	SPF
A:8081A	280-27123-A-8-F		280-115801	280-113973	04/16/2012 23:26	5	TAL DEN	DW
P:3546	280-27123-A-8-F		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-8-F		280-114993	280-113973	04/10/2012 21:32	1	TAL DEN	TDJ
P:3050B	280-27123-A-8-C		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-8-C		280-114003	280-113656	04/02/2012 13:06	1	TAL DEN	HEB
P:3050B	280-27123-A-8-C		280-114077	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-8-C		280-114077	280-113656	04/03/2012 12:35	1	TAL DEN	HEB
P:3050B	280-27123-A-8-B		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-8-B		280-114025	280-113654	04/02/2012 20:01	1	TAL DEN	TEL
P:7471A	280-27123-A-8-E		280-114184	280-113941	04/03/2012 09:35	1	TAL DEN	CLI
A:7471A	280-27123-A-8-E		280-114184	280-113941	04/03/2012 17:41	1	TAL DEN	CLI
A:Moisture	280-27123-A-8		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Client: FPM Remediations Inc Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-9 **Client ID:** UNK10701AA

Sample Date/Time: 03/27/2012 12:55 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-9-B		280-114709	280-114501	04/06/2012 06:00	1	TAL DEN	LMH
A:8260B/DoD	280-27123-B-9-B		280-114709	280-114501	04/06/2012 12:17	1	TAL DEN	LMH
P:3550C	280-27123-A-9-D		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	280-27123-A-9-D		280-116156	280-113829	04/19/2012 00:59	1	TAL DEN	MGH
P:3546	280-27123-A-9-F		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-9-F		280-115240	280-113973	04/11/2012 23:14	1	TAL DEN	DW
P:3546	280-27123-A-9-F		280-115801	280-113973	04/02/2012 17:20	5	TAL DEN	SPF
A:8081A	280-27123-A-9-F		280-115801	280-113973	04/16/2012 23:44	5	TAL DEN	DW
P:3546	280-27123-A-9-F		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-9-F		280-114993	280-113973	04/10/2012 21:55	1	TAL DEN	TDJ
P:3050B	280-27123-A-9-C		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-9-C		280-114003	280-113656	04/02/2012 13:08	1	TAL DEN	HEB
P:3050B	280-27123-A-9-C ^5		280-114077	280-113656	03/30/2012 14:00	5	TAL DEN	JM
A:6010B	280-27123-A-9-C ^5		280-114077	280-113656	04/03/2012 12:37	5	TAL DEN	HEB
P:3050B	280-27123-A-9-B		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-9-B		280-114025	280-113654	04/02/2012 20:04	1	TAL DEN	TEL
P:7471A	280-27123-A-9-E		280-114184	280-113941	04/03/2012 09:35	1	TAL DEN	CLI
A:7471A	280-27123-A-9-E		280-114184	280-113941	04/03/2012 17:44	1	TAL DEN	CLI
A:Moisture	280-27123-A-9		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Lab ID: 280-27123-10 **Client ID:** UNK10702AA

Sample Date/Time: 03/27/2012 13:15 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-10-B		280-114709	280-114501	04/06/2012 06:00	1	TAL DEN	LMH
A:8260B/DoD	280-27123-B-10-B		280-114709	280-114501	04/06/2012 12:36	1	TAL DEN	LMH
P:3550C	280-27123-A-10-D		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	280-27123-A-10-D		280-116156	280-113829	04/19/2012 01:18	1	TAL DEN	MGH
P:3546	280-27123-A-10-F		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-10-F		280-115240	280-113973	04/11/2012 23:31	1	TAL DEN	DW
P:3546	280-27123-A-10-F		280-115801	280-113973	04/02/2012 17:20	5	TAL DEN	SPF
A:8081A	280-27123-A-10-F		280-115801	280-113973	04/17/2012 00:01	5	TAL DEN	DW
P:3546	280-27123-A-10-F		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	280-27123-A-10-F		280-114993	280-113973	04/10/2012 22:19	1	TAL DEN	TDJ
P:3050B	280-27123-A-10-C		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-10-C		280-114003	280-113656	04/02/2012 13:10	1	TAL DEN	HEB
P:3050B	280-27123-A-10-C		280-114077	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	280-27123-A-10-C		280-114077	280-113656	04/03/2012 12:40	1	TAL DEN	HEB
P:3050B	280-27123-A-10-B		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	280-27123-A-10-B		280-114025	280-113654	04/02/2012 20:07	1	TAL DEN	TEL
P:7471A	280-27123-A-10-E		280-114184	280-113941	04/03/2012 09:35	1	TAL DEN	CLI
A:7471A	280-27123-A-10-E		280-114184	280-113941	04/03/2012 17:46	1	TAL DEN	CLI
A:Moisture	280-27123-A-10		280-113684		03/30/2012 08:53	1	TAL DEN	PBB

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-10 MS **Client ID:** UNK10702AA

Sample Date/Time: 03/27/2012 13:15 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-27123-A-10-G MS		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-10-G MS		280-115240	280-113973	04/11/2012 23:47	1	TAL DEN	DW

Lab ID: 280-27123-10 MSD **Client ID:** UNK10702AA

Sample Date/Time: 03/27/2012 13:15 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-27123-A-10-H MSD		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	280-27123-A-10-H MSD		280-115240	280-113973	04/12/2012 00:04	1	TAL DEN	DW

Lab ID: 280-27123-11 **Client ID:** 032712AE

Sample Date/Time: 03/27/2012 14:10 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-I-11		280-114706		04/09/2012 08:29	1	TAL DEN	MD
A:8260B/DoD	280-27123-I-11		280-114706		04/09/2012 08:29	1	TAL DEN	MD
P:3520C	280-27123-A-11-A		280-116156	280-114056	04/03/2012 11:45	1	TAL DEN	JCV
A:8270D/DoD	280-27123-A-11-A		280-116156	280-114056	04/18/2012 17:24	1	TAL DEN	MGH
P:3510C	280-27123-C-11-A		280-114395	280-113965	04/02/2012 17:50	1	TAL DEN	CRC
A:8081A	280-27123-C-11-A		280-114395	280-113965	04/05/2012 23:15	1	TAL DEN	DW
P:3510C	280-27123-C-11-A		280-115556	280-113965	04/02/2012 17:50	1	TAL DEN	CRC
A:8082	280-27123-C-11-A		280-115556	280-113965	04/13/2012 19:14	1	TAL DEN	TDJ
P:3010A	280-27123-G-11-I		280-114798	280-114545	04/09/2012 08:30	1	TAL DEN	NF
A:6010B	280-27123-G-11-I		280-114798	280-114545	04/10/2012 00:52	1	TAL DEN	JKH
P:3010A	280-27123-G-11-I		280-114957	280-114545	04/09/2012 08:30	1	TAL DEN	NF
A:6010B	280-27123-G-11-I		280-114957	280-114545	04/10/2012 11:56	1	TAL DEN	JKH
P:3020A	280-27123-G-11-J		280-114972	280-114586	04/10/2012 08:30	1	TAL DEN	NF
A:6020	280-27123-G-11-J		280-114972	280-114586	04/10/2012 16:54	1	TAL DEN	TEL
P:7470A	280-27123-G-11-B		280-114270	280-114152	04/04/2012 08:40	1	TAL DEN	CLI
A:7470A	280-27123-G-11-B		280-114270	280-114152	04/04/2012 12:46	1	TAL DEN	CLI

Client: FPM Remediations Inc Job Number: 280-27123-1

Laboratory Chronicle

Lab ID: 280-27123-11 SD **Client ID:** 032712AE

Sample Date/Time: 03/27/2012 14:10 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-27123-G-11-I SD ^5		280-114798	280-114545	04/09/2012 08:30	5	TAL DEN	NF
A:6010B	280-27123-G-11-I SD ^5		280-114798	280-114545	04/10/2012 00:55	5	TAL DEN	JKH
P:3010A	280-27123-G-11-I PDS		280-114798	280-114545	04/09/2012 08:30	1	TAL DEN	NF
A:6010B	280-27123-G-11-I PDS		280-114798	280-114545	04/10/2012 00:57	1	TAL DEN	JKH
P:3010A	280-27123-G-11-I SD ^5		280-114957	280-114545	04/09/2012 08:30	5	TAL DEN	NF
A:6010B	280-27123-G-11-I SD ^5		280-114957	280-114545	04/10/2012 11:58	5	TAL DEN	JKH
P:3010A	280-27123-G-11-I PDS		280-114957	280-114545	04/09/2012 08:30	1	TAL DEN	NF
A:6010B	280-27123-G-11-I PDS		280-114957	280-114545	04/10/2012 12:01	1	TAL DEN	JKH
P:3020A	280-27123-G-11-J SD ^5		280-114972	280-114586	04/10/2012 08:30	5	TAL DEN	NF
A:6020	280-27123-G-11-J SD ^5		280-114972	280-114586	04/10/2012 16:57	5	TAL DEN	TEL
P:3020A	280-27123-G-11-J PDS		280-114972	280-114586	04/10/2012 08:30	1	TAL DEN	NF
A:6020	280-27123-G-11-J PDS		280-114972	280-114586	04/10/2012 18:35	1	TAL DEN	TEL

Lab ID: 280-27123-12 **Client ID:** 032712AF

Sample Date/Time: 03/27/2012 13:19 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-B-12		280-114706		04/09/2012 08:52	1	TAL DEN	MD
A:8260B/DoD	280-27123-B-12		280-114706		04/09/2012 08:52	1	TAL DEN	MD

Lab ID: 280-27123-13 **Client ID:** 032712AR

Sample Date/Time: 03/27/2012 09:35 Received Date/Time: 03/29/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-27123-A-13		280-114706		04/09/2012 09:16	1	TAL DEN	MD
A:8260B/DoD	280-27123-A-13		280-114706		04/09/2012 09:16	1	TAL DEN	MD

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-114240/1-A		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	MB 280-114240/1-A		280-114253	280-114240	04/04/2012 13:03	1	TAL DEN	JR
P:5030B	MB 280-114501/1-A		280-114709	280-114501	04/06/2012 06:00	1	TAL DEN	LMH
A:8260B/DoD	MB 280-114501/1-A		280-114709	280-114501	04/06/2012 10:28	1	TAL DEN	LMH
P:5030B	MB 280-114706/5		280-114706		04/09/2012 07:42	1	TAL DEN	MD
A:8260B/DoD	MB 280-114706/5		280-114706		04/09/2012 07:42	1	TAL DEN	MD
P:3520C	MB 280-114056/1-A		280-116156	280-114056	04/03/2012 11:45	1	TAL DEN	JCV
A:8270D/DoD	MB 280-114056/1-A		280-116156	280-114056	04/18/2012 17:05	1	TAL DEN	MGH
P:3550C	MB 280-113829/1-A		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	MB 280-113829/1-A		280-116156	280-113829	04/18/2012 21:31	1	TAL DEN	MGH
P:3510C	MB 280-113965/1-A		280-114395	280-113965	04/02/2012 17:50	1	TAL DEN	CRC
A:8081A	MB 280-113965/1-A		280-114395	280-113965	04/05/2012 23:32	1	TAL DEN	DW
P:3546	MB 280-113973/1-A		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	MB 280-113973/1-A		280-115240	280-113973	04/11/2012 18:48	1	TAL DEN	DW
P:3546	MB 280-113973/1-A		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	MB 280-113973/1-A		280-114993	280-113973	04/10/2012 16:55	1	TAL DEN	TDJ
P:3510C	MB 280-113965/1-A		280-115556	280-113965	04/02/2012 17:50	1	TAL DEN	CRC
A:8082	MB 280-113965/1-A		280-115556	280-113965	04/13/2012 18:28	1	TAL DEN	TDJ
P:3050B	MB 280-113656/1-A		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	MB 280-113656/1-A		280-114003	280-113656	04/02/2012 12:24	1	TAL DEN	HEB
P:3050B	MB 280-113656/1-A		280-114077	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	MB 280-113656/1-A		280-114077	280-113656	04/03/2012 11:47	1	TAL DEN	HEB
P:3010A	MB 280-114545/1-A		280-114798	280-114545	04/09/2012 08:30	1	TAL DEN	NF
A:6010B	MB 280-114545/1-A		280-114798	280-114545	04/10/2012 00:46	1	TAL DEN	JKH
P:3010A	MB 280-114545/1-A		280-114957	280-114545	04/09/2012 08:30	1	TAL DEN	NF
A:6010B	MB 280-114545/1-A		280-114957	280-114545	04/10/2012 11:46	1	TAL DEN	JKH
P:3050B	MB 280-113654/1-A		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	MB 280-113654/1-A		280-114025	280-113654	04/02/2012 19:16	1	TAL DEN	TEL
P:3020A	MB 280-114586/1-A		280-114972	280-114586	04/10/2012 08:30	1	TAL DEN	NF
A:6020	MB 280-114586/1-A		280-114972	280-114586	04/10/2012 16:46	1	TAL DEN	TEL
P:7470A	MB 280-114152/1-A		280-114270	280-114152	04/04/2012 08:40	1	TAL DEN	CLI
A:7470A	MB 280-114152/1-A		280-114270	280-114152	04/04/2012 12:06	1	TAL DEN	CLI
P:7471A	MB 280-113941/1-A		280-114184	280-113941	04/03/2012 09:35	1	TAL DEN	CLI
A:7471A	MB 280-113941/1-A		280-114184	280-113941	04/03/2012 17:07	1	TAL DEN	CLI

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-114240/2-A		280-114253	280-114240	04/04/2012 06:00	1	TAL DEN	JR
A:8260B/DoD	LCS 280-114240/2-A		280-114253	280-114240	04/04/2012 12:20	1	TAL DEN	JR
P:5030B	LCS 280-114501/2-A		280-114709	280-114501	04/06/2012 06:00	1	TAL DEN	LMH
A:8260B/DoD	LCS 280-114501/2-A		280-114709	280-114501	04/06/2012 09:50	1	TAL DEN	LMH
P:5030B	LCS 280-114706/4		280-114706		04/09/2012 07:17	1	TAL DEN	MD
A:8260B/DoD	LCS 280-114706/4		280-114706		04/09/2012 07:17	1	TAL DEN	MD
P:3520C	LCS 280-114056/2-A		280-116156	280-114056	04/03/2012 11:45	1	TAL DEN	JCV
A:8270D/DoD	LCS 280-114056/2-A		280-116156	280-114056	04/18/2012 15:39	1	TAL DEN	MGH
P:3550C	LCS 280-113829/2-A		280-116156	280-113829	03/31/2012 13:17	1	TAL DEN	RLB
A:8270D/DoD	LCS 280-113829/2-A		280-116156	280-113829	04/18/2012 16:17	1	TAL DEN	MGH
P:3510C	LCS 280-113965/5-A		280-114395	280-113965	04/02/2012 17:50	1	TAL DEN	CRC
A:8081A	LCS 280-113965/5-A		280-114395	280-113965	04/05/2012 22:42	1	TAL DEN	DW
P:3510C	LCS 280-113965/2-A		280-114395	280-113965	04/02/2012 17:50	1	TAL DEN	CRC
A:8081A	LCS 280-113965/2-A		280-114395	280-113965	04/05/2012 22:59	1	TAL DEN	DW
P:3546	LCS 280-113973/26-A		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	LCS 280-113973/26-A		280-115240	280-113973	04/11/2012 19:05	1	TAL DEN	DW
P:3546	LCS 280-113973/2-A		280-115240	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8081A	LCS 280-113973/2-A		280-115240	280-113973	04/11/2012 19:21	1	TAL DEN	DW
P:3546	LCS 280-113973/3-A		280-114993	280-113973	04/02/2012 17:20	1	TAL DEN	SPF
A:8082	LCS 280-113973/3-A		280-114993	280-113973	04/10/2012 17:19	1	TAL DEN	TDJ
P:3510C	LCS 280-113965/3-A		280-115556	280-113965	04/02/2012 17:50	1	TAL DEN	CRC
A:8082	LCS 280-113965/3-A		280-115556	280-113965	04/13/2012 18:51	1	TAL DEN	TDJ
P:3050B	LCS 280-113656/2-A		280-114003	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	LCS 280-113656/2-A		280-114003	280-113656	04/02/2012 12:27	1	TAL DEN	HEB
P:3050B	LCS 280-113656/2-A		280-114077	280-113656	03/30/2012 14:00	1	TAL DEN	JM
A:6010B	LCS 280-113656/2-A		280-114077	280-113656	04/03/2012 11:53	1	TAL DEN	HEB
P:3010A	LCS 280-114545/2-A		280-114798	280-114545	04/09/2012 08:30	1	TAL DEN	NF
A:6010B	LCS 280-114545/2-A		280-114798	280-114545	04/10/2012 00:48	1	TAL DEN	JKH
P:3010A	LCS 280-114545/2-A		280-114957	280-114545	04/09/2012 08:30	1	TAL DEN	NF
A:6010B	LCS 280-114545/2-A		280-114957	280-114545	04/10/2012 11:52	1	TAL DEN	JKH
P:3050B	LCS 280-113654/2-A		280-114025	280-113654	03/30/2012 14:00	1	TAL DEN	JM
A:6020	LCS 280-113654/2-A		280-114025	280-113654	04/02/2012 19:19	1	TAL DEN	TEL
P:3020A	LCS 280-114586/2-A		280-114972	280-114586	04/10/2012 08:30	1	TAL DEN	NF
A:6020	LCS 280-114586/2-A		280-114972	280-114586	04/10/2012 16:49	1	TAL DEN	TEL
P:7470A	LCS 280-114152/2-A		280-114270	280-114152	04/04/2012 08:40	1	TAL DEN	CLI
A:7470A	LCS 280-114152/2-A		280-114270	280-114152	04/04/2012 12:09	1	TAL DEN	CLI
P:7471A	LCS 280-113941/2-A		280-114184	280-113941	04/03/2012 09:35	1	TAL DEN	CLI
A:7471A	LCS 280-113941/2-A		280-114184	280-113941	04/03/2012 17:09	1	TAL DEN	CLI

Client: FPM Remediations Inc

Job Number: 280-27123-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	LCSD 280-114056/3-A		280-116156	280-114056	04/03/2012 11:45	1	TAL DEN	JCV
A:8270D/DoD	LCSD 280-114056/3-A		280-116156	280-114056	04/18/2012 15:58	1	TAL DEN	MGH
P:3010A	LCSD 280-114545/3-A		280-114798	280-114545	04/09/2012 08:30	1	TAL DEN	NF
A:6010B	LCSD 280-114545/3-A		280-114798	280-114545	04/10/2012 00:50	1	TAL DEN	JKH
P:3010A	LCSD 280-114545/3-A		280-114957	280-114545	04/09/2012 08:30	1	TAL DEN	NF
A:6010B	LCSD 280-114545/3-A		280-114957	280-114545	04/10/2012 11:54	1	TAL DEN	JKH
P:3020A	LCSD 280-114586/3-A		280-114972	280-114586	04/10/2012 08:30	1	TAL DEN	NF
A:6020	LCSD 280-114586/3-A		280-114972	280-114586	04/10/2012 16:52	1	TAL DEN	TEL

Lab References:

TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8081 LCS_00132	04/07/12	03/31/12	P&T Methanol, Lot MethanolP&T_00017	50 mL	8081LCSPrim_00013	0.5 mL	4,4'-DDD	0.5 ug/mL
							4,4'-DDE	0.5 ug/mL
							4,4'-DDT	0.5 ug/mL
							Aldrin	0.5 ug/mL
							alpha-BHC	0.5 ug/mL
							alpha-Chlordane	0.5 ug/mL
							beta-BHC	0.5 ug/mL
							delta-BHC	0.5 ug/mL
							Dieldrin	0.5 ug/mL
							Endosulfan I	0.5 ug/mL
							Endosulfan II	0.5 ug/mL
							Endosulfan sulfate	0.5 ug/mL
							Endrin	0.5 ug/mL
							Endrin aldehyde	0.5 ug/mL
							Endrin ketone	0.5 ug/mL
							gamma-BHC (Lindane)	0.5 ug/mL
							gamma-Chlordane	0.5 ug/mL
							Heptachlor	0.5 ug/mL
							Heptachlor epoxide	0.5 ug/mL
							Methoxychlor	0.5 ug/mL
.8081LCSPrim_00013	09/07/12	03/07/12	Hexane, Lot Hexane_Cycl_00003	10 mL	8081LCSStock_00010	0.5 mL	4,4'-DDD	50 ug/mL
							4,4'-DDE	50 ug/mL
							4,4'-DDT	50 ug/mL
							Aldrin	50 ug/mL
							alpha-BHC	50 ug/mL
							alpha-Chlordane	50 ug/mL
							beta-BHC	50 ug/mL
							delta-BHC	50 ug/mL
							Dieldrin	50 ug/mL
							Endosulfan I	50 ug/mL
							Endosulfan II	50 ug/mL
							Endosulfan sulfate	50 ug/mL
							Endrin	50 ug/mL
							Endrin aldehyde	50 ug/mL
							Endrin ketone	50 ug/mL
							gamma-BHC (Lindane)	50 ug/mL
							gamma-Chlordane	50 ug/mL
							Heptachlor	50 ug/mL
							Heptachlor epoxide	50 ug/mL
							Methoxychlor	50 ug/mL
..8081LCSStock_00010	12/31/13	ULTRA SCIENTIFIC, Lot CH-3658			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
8081/82 Surr_00038	09/25/12	03/25/12	ACETONE, Lot Acetone_00012	1000 mL	8081 SurStock_00043	1 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.8081 SurStock_00043	04/22/20	AccuStandard, Inc., Lot 210041294			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081_EvalB2nd_00002	10/12/13	11/08/11	Hexane, Lot K16E04	50 mL	8081EvalBStk_00006	1 mL	4,4'-DDT	0.04 ug/mL
							Endrin	0.02 ug/mL
.8081EvalBStk_00006	10/12/13	AccuStandard, Inc, Lot 210101036			(Purchased Reagent)		4,4'-DDT	2 ug/mL
							Endrin	1 ug/mL
8081ABICVL3_00009	03/30/12	10/03/11	Hexane, Lot J52E08	100 mL	8081ABICVStk_00008	2.5 mL	4,4'-DDD	25 ng/mL
							4,4'-DDE	25 ng/mL
							4,4'-DDT	25 ng/mL
							Aldrin	25 ng/mL
							alpha-BHC	25 ng/mL
							alpha-Chlordane	25 ng/mL
							beta-BHC	25 ng/mL
							delta-BHC	25 ng/mL
							Dieldrin	25 ng/mL
							Endosulfan I	25 ng/mL
							Endosulfan II	25 ng/mL
							Endosulfan sulfate	25 ng/mL
							Endrin	25 ng/mL
							Endrin aldehyde	25 ng/mL
							Endrin ketone	25 ng/mL
							gamma-BHC (Lindane)	25 ng/mL
							gamma-Chlordane	25 ng/mL
							Heptachlor	25 ng/mL
							Heptachlor epoxide	25 ng/mL
							Methoxychlor	25 ng/mL
							DCB Decachlorobiphenyl	25 ng/mL
							Tetrachloro-m-xylene	25 ng/mL
.8081ABICVStk_00008	03/30/12	10/03/11	Hexane, Lot J52E08	25 mL	8081ABStkSS_00005	0.025 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081SurStkSS_00007	0.125 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkSS_00005	04/30/13	Ultra Scientific, Lot CH-0689			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081SurStkSS_00007	10/31/13	Ultra Scientific, Lot CG-3165			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL1_00009	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABCalStk_00014	0.4 mL	4,4'-DDD	4 ng/mL
							4,4'-DDE	4 ng/mL
							4,4'-DDT	4 ng/mL
							Aldrin	4 ng/mL
							alpha-BHC	4 ng/mL
							alpha-Chlordane	4 ng/mL
							beta-BHC	4 ng/mL
							delta-BHC	4 ng/mL
							Dieldrin	4 ng/mL
							Endosulfan I	4 ng/mL
							Endosulfan II	4 ng/mL
							Endosulfan sulfate	4 ng/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	4 ng/mL
							Endrin aldehyde	4 ng/mL
							Endrin ketone	4 ng/mL
							gamma-BHC (Lindane)	4 ng/mL
							gamma-Chlordane	4 ng/mL
							Heptachlor	4 ng/mL
							Heptachlor epoxide	4 ng/mL
							Methoxychlor	4 ng/mL
							Hexachlorobenzene	4 ng/mL
							Isodrin	4 ng/mL
							Mirex	4 ng/mL
							DCB Decachlorobiphenyl	4 ng/mL
							Tetrachloro-m-xylene	4 ng/mL
.8081ABCalStk_00014	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABStkPS_00007	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00008	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00004	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00006	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00007	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00007	12/08/14		Accustandard, Inc., Lot 211121086		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00008	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00004	06/13/13	Accustandard, Lot B8100234-1A			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00006	06/27/13	Accustandard, Inc., Lot 210011168-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00007	03/10/21	AccuStandard, Inc., Lot 211031069			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL2_00009	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABCalStk_00014	1 mL	4,4'-DDD	10 ng/mL
							4,4'-DDE	10 ng/mL
							4,4'-DDT	10 ng/mL
							Aldrin	10 ng/mL
							alpha-BHC	10 ng/mL
							alpha-Chlordane	10 ng/mL
							beta-BHC	10 ng/mL
							delta-BHC	10 ng/mL
							Dieldrin	10 ng/mL
							Endosulfan I	10 ng/mL
							Endosulfan II	10 ng/mL
							Endosulfan sulfate	10 ng/mL
							Endrin	10 ng/mL
							Endrin aldehyde	10 ng/mL
							Endrin ketone	10 ng/mL
							gamma-BHC (Lindane)	10 ng/mL
							gamma-Chlordane	10 ng/mL
							Heptachlor	10 ng/mL
							Heptachlor epoxide	10 ng/mL
							Methoxychlor	10 ng/mL
							Hexachlorobenzene	10 ng/mL
							Isodrin	10 ng/mL
							Mirex	10 ng/mL
							DCB Decachlorobiphenyl	10 ng/mL
							Tetrachloro-m-xylene	10 ng/mL
.8081ABCalStk_00014	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABStkPS_00007	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00008	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00004	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00006	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00007	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00007	12/08/14	Accustandard, Inc., Lot 211121086			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00008	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00004	06/13/13	Accustandard, Lot B8100234-1A			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00006	06/27/13	Accustandard, Inc., Lot 210011168-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00007	03/10/21	AccuStandard, Inc., Lot 211031069			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL3_00009	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABCalStk_00014	2.5 mL	4,4'-DDD	25 ng/mL
							4,4'-DDE	25 ng/mL
							4,4'-DDT	25 ng/mL
							Aldrin	25 ng/mL
							alpha-BHC	25 ng/mL
							alpha-Chlordane	25 ng/mL
							beta-BHC	25 ng/mL
							delta-BHC	25 ng/mL
							Dieldrin	25 ng/mL
							Endosulfan I	25 ng/mL
							Endosulfan II	25 ng/mL
							Endosulfan sulfate	25 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	25 ng/mL
							Endrin aldehyde	25 ng/mL
							Endrin ketone	25 ng/mL
							gamma-BHC (Lindane)	25 ng/mL
							gamma-Chlordane	25 ng/mL
							Heptachlor	25 ng/mL
							Heptachlor epoxide	25 ng/mL
							Methoxychlor	25 ng/mL
							Hexachlorobenzene	25 ng/mL
							Isodrin	25 ng/mL
							Mirex	25 ng/mL
							DCB Decachlorobiphenyl	25 ng/mL
							Tetrachloro-m-xylene	25 ng/mL
.8081ABCalStk_00014	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABStkPS_00007	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00008	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00004	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00006	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00007	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00007	12/08/14	Accustandard, Inc., Lot 211121086			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00008	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00004	06/13/13	Accustandard, Lot B8100234-1A			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00006	06/27/13	Accustandard, Inc., Lot 210011168-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00007	03/10/21	AccuStandard, Inc., Lot 211031069			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL4_00011	08/30/12	02/29/12	Hexane, Lot K29E01	250 mL	8081ABCalStk_00014	12.5 mL	4,4'-DDD	50 ng/mL
							4,4'-DDE	50 ng/mL
							4,4'-DDT	50 ng/mL
							Aldrin	50 ng/mL
							alpha-BHC	50 ng/mL
							alpha-Chlordane	50 ng/mL
							beta-BHC	50 ng/mL
							delta-BHC	50 ng/mL
							Dieldrin	50 ng/mL
							Endosulfan I	50 ng/mL
							Endosulfan II	50 ng/mL
							Endosulfan sulfate	50 ng/mL
							Endrin	50 ng/mL
							Endrin aldehyde	50 ng/mL
							Endrin ketone	50 ng/mL
							gamma-BHC (Lindane)	50 ng/mL
							gamma-Chlordane	50 ng/mL
							Heptachlor	50 ng/mL
							Heptachlor epoxide	50 ng/mL
							Methoxychlor	50 ng/mL
							Hexachlorobenzene	50 ng/mL
							Isodrin	50 ng/mL
							Mirex	50 ng/mL
							DCB Decachlorobiphenyl	50 ng/mL
							Tetrachloro-m-xylene	50 ng/mL
.8081ABCalStk_00014	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABStkPS_00007	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00008	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00004	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00006	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00007	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00007	12/08/14	Accustandard, Inc., Lot 211121086			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00008	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00004	06/13/13	Accustandard, Lot B8100234-1A			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00006	06/27/13	Accustandard, Inc., Lot 210011168-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00007	03/10/21	AccuStandard, Inc., Lot 211031069			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL5_00010	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABCalStk_00014	7.5 mL	4,4'-DDD	75 ng/mL
							4,4'-DDE	75 ng/mL
							4,4'-DDT	75 ng/mL
							Aldrin	75 ng/mL
							alpha-BHC	75 ng/mL
							alpha-Chlordane	75 ng/mL
							beta-BHC	75 ng/mL
							delta-BHC	75 ng/mL
							Dieldrin	75 ng/mL
							Endosulfan I	75 ng/mL
							Endosulfan II	75 ng/mL
							Endosulfan sulfate	75 ng/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	75 ng/mL
							Endrin aldehyde	75 ng/mL
							Endrin ketone	75 ng/mL
							gamma-BHC (Lindane)	75 ng/mL
							gamma-Chlordane	75 ng/mL
							Heptachlor	75 ng/mL
							Heptachlor epoxide	75 ng/mL
							Methoxychlor	75 ng/mL
							Hexachlorobenzene	75 ng/mL
							Isodrin	75 ng/mL
							Mirex	75 ng/mL
							DCB Decachlorobiphenyl	75 ng/mL
							Tetrachloro-m-xylene	75 ng/mL
.8081ABCalStk_00014	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABStkPS_00007	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00008	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00004	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00006	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00007	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00007	12/08/14		Accustandard, Inc., Lot 211121086		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00008	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00004	06/13/13	Accustandard, Lot B8100234-1A			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00006	06/27/13	Accustandard, Inc., Lot 210011168-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00007	03/10/21	AccuStandard, Inc., Lot 211031069			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL6_00009	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABCalStk_00014	10 mL	4,4'-DDD	100 ng/mL
							4,4'-DDE	100 ng/mL
							4,4'-DDT	100 ng/mL
							Aldrin	100 ng/mL
							alpha-BHC	100 ng/mL
							alpha-Chlordane	100 ng/mL
							beta-BHC	100 ng/mL
							delta-BHC	100 ng/mL
							Dieldrin	100 ng/mL
							Endosulfan I	100 ng/mL
							Endosulfan II	100 ng/mL
							Endosulfan sulfate	100 ng/mL
							Endrin	100 ng/mL
							Endrin aldehyde	100 ng/mL
							Endrin ketone	100 ng/mL
							gamma-BHC (Lindane)	100 ng/mL
							gamma-Chlordane	100 ng/mL
							Heptachlor	100 ng/mL
							Heptachlor epoxide	100 ng/mL
							Methoxychlor	100 ng/mL
							Hexachlorobenzene	100 ng/mL
							Isodrin	100 ng/mL
							Mirex	100 ng/mL
							DCB Decachlorobiphenyl	100 ng/mL
							Tetrachloro-m-xylene	100 ng/mL
.8081ABCalStk_00014	08/30/12	02/29/12	Hexane, Lot K29E01	100 mL	8081ABStkPS_00007	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00008	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00004	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00006	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00007	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00007	12/08/14	Accustandard, Inc., Lot 211121086			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00008	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00004	06/13/13	Accustandard, Lot B8100234-1A			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00006	06/27/13	Accustandard, Inc., Lot 210011168-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00007	03/10/21	AccuStandard, Inc., Lot 211031069			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081Tox1PtL1_00007	09/21/12	03/21/12	Hexane, Lot K29E01	200 mL	8081ToxPS_00016	0.4 mL	Toxaphene	200 ng/mL
.8081ToxPS_00016	10/31/12	Ultra Scientific, Lot CE-3444			(Purchased Reagent)		Toxaphene	100 ug/mL
8081Toxaphene_00007	01/25/12	07/25/11	ACETONE, Lot K03E34	250 mL	8081 ToxStock_00003	0.5 mL	Toxaphene	2 ug/mL
.8081 ToxStock_00003	06/14/17	AccuStandard, Lot B7060126			(Purchased Reagent)		Toxaphene	1000 ug/mL
8081ToxL1_00006	05/14/12	12/07/11	Hexane, Lot J52E08	10 mL	8081ToxPS_00011	0.02 mL	Toxaphene Peak 1	200 ng/mL
							Toxaphene Peak 2	200 ng/mL
							Toxaphene Peak 3	200 ng/mL
							Toxaphene Peak 4	200 ng/mL
							Toxaphene Peak 5	200 ng/mL
.8081ToxPS_00011	06/14/12	Ultra Scientific, Lot CE-3444			(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL2_00006	05/14/12	12/07/11	Hexane, Lot J52E08	10 mL	8081ToxPS_00011	0.05 mL	Toxaphene Peak 1	500 ng/mL
							Toxaphene Peak 2	500 ng/mL
							Toxaphene Peak 3	500 ng/mL
							Toxaphene Peak 4	500 ng/mL
							Toxaphene Peak 5	500 ng/mL
.8081ToxPS_00011	06/14/12		Ultra Scientific, Lot CE-3444		(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL3_00006	05/14/12	12/07/11	Hexane, Lot J52E08	10 mL	8081ToxPS_00011	0.1 mL	Toxaphene Peak 1	1000 ng/mL
							Toxaphene Peak 2	1000 ng/mL
							Toxaphene Peak 3	1000 ng/mL
							Toxaphene Peak 4	1000 ng/mL
							Toxaphene Peak 5	1000 ng/mL
.8081ToxPS_00011	06/14/12		Ultra Scientific, Lot CE-3444		(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL4_00011	05/14/12	12/07/11	Hexane, Lot J52E08	10 mL	8081ToxPS_00011	0.2 mL	Toxaphene Peak 1	2000 ng/mL
							Toxaphene Peak 2	2000 ng/mL
							Toxaphene Peak 3	2000 ng/mL
							Toxaphene Peak 4	2000 ng/mL
							Toxaphene Peak 5	2000 ng/mL
.8081ToxPS_00011	06/14/12		Ultra Scientific, Lot CE-3444		(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL5_00007	05/14/12	12/07/11	Hexane, Lot J52E08	10 mL	8081ToxPS_00011	0.5 mL	Toxaphene Peak 1	5000 ng/mL
							Toxaphene Peak 2	5000 ng/mL
							Toxaphene Peak 3	5000 ng/mL
							Toxaphene Peak 4	5000 ng/mL
							Toxaphene Peak 5	5000 ng/mL
.8081ToxPS_00011	06/14/12		Ultra Scientific, Lot CE-3444		(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL6_00008	05/14/12	12/07/11	Hexane, Lot J52E08	10 mL	8081ToxPS_00010	1 mL	Toxaphene Peak 1	10000 ng/mL
							Toxaphene Peak 2	10000 ng/mL
							Toxaphene Peak 3	10000 ng/mL
							Toxaphene Peak 4	10000 ng/mL
							Toxaphene Peak 5	10000 ng/mL
.8081ToxPS_00010	06/14/12		Ultra Scientific, Lot CE-3444		(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxSS_L3_00005	05/14/12	12/07/11	Hexane, Lot J52E08	5 mL	8081ToxSS_00005	0.005 mL	Toxaphene	1000 ng/mL
.8081ToxSS_00005	05/21/20	Accustandard, Inc., Lot 210051215			(Purchased Reagent)		Toxaphene	1000 ug/mL
8082 LCS_00021	07/17/12	01/17/12	ACETONE, Lot Acetone_00007	250 mL	8082LCSSTOCK_00013	0.5 mL	PCB-1016	2 ug/mL
							PCB-1260	2 ug/mL
.8082LCSSTOCK_00013	10/31/14	ULTRA SCIENTIFIC, Lot CG-3400			(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
8270LCS80ppm_00034	12/13/12	02/29/12	P&T Methanol, Lot MethanolP&T_00015	250 mL	8270 1,4-Diox_00080	1 mL	1,4-Dioxane	80 ug/mL
					8270 1,4-Diox_00082	1 mL	1,4-Dioxane	80 ug/mL
					8270 LCSStock_00137	25 mL	1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Dinitrobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.88 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,3,5,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	160 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzoic acid	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di(2-ethylhexyl)adipate	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	68.28 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					8270 LCSStock_00138	25 mL	1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Dinitrobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.88 ug/mL
							1,3-Dichlorobenzene	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,3,5,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzoic acid	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di(2-ethylhexyl)adipate	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	68.28 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					8270 LCSStock_00139	25 mL	1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Dinitrobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.88 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,3,5,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	160 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzoic acid	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di(2-ethylhexyl)adipate	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	68.28 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					8270 LCSStock_00140	25 mL	1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Dinitrobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.88 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,3,5,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzoic acid	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di(2-ethylhexyl)adipate	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	68.28 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
.8270 1,4-Diox_00080	06/24/21		AccuStandard, Lot 211061176		(Purchased Reagent)		1,4-Dioxane	10 mg/mL
.8270 1,4-Diox_00082	06/24/21		AccuStandard, Lot 211061176		(Purchased Reagent)		1,4-Dioxane	10 mg/mL
.8270 LCSStock_00137	12/31/12		Supelco, Lot LB89181		(Purchased Reagent)		1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dinitrobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.2 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,3,5,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	170.7 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
.8270 LCSStock_00138	12/31/12		Supelco, Lot LB89181		(Purchased Reagent)		1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dinitrobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.2 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,3,5,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							3-Methylphenol	400 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	400 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di(2-ethylhexyl)adipate	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	170.7 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
.8270 LCSStock_00139	12/31/12		Supelco, Lot LB89181		(Purchased Reagent)		1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dinitrobenzene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	202.2 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,3,5,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							3-Methylphenol	400 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	400 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di(2-ethylhexyl)adipate	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	170.7 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
.8270 LCSStock_00140	12/31/12		Supelco, Lot LB89181		(Purchased Reagent)		1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dinitrobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.2 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,3,5,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
8270Surrogate_00041	02/07/13	03/07/12	P&T Methanol, Lot MethanolP&T_00016	1000 mL	8270SurrStock_00046	100 mL	2,4,6 - Tribromophenol	150 ug/mL
							2,4,6-Tribromophenol (Surr)	150 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	150 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	150 ug/mL
							Phenol-d6	150 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
.8270SurrStock_00046	02/07/13	Supelco, Lot LB83718			(Purchased Reagent)		2,4,6 - Tribromophenol	1500 ug/mL
							2,4,6-Tribromophenol (Surr)	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol (Surr)	1500 ug/mL
							Nitrobenzene-d5 (Surr)	1000 ug/mL
							Phenol-d5 (Surr)	1500 ug/mL
							Phenol-d6	1500 ug/mL
							Terphenyl-d14 (Surr)	1000 ug/mL
AR-3262_SS_00007	08/01/12	02/22/12	Hexane, Lot K29E01	10 mL	AR_1232_US_00003	0.025 mL	PCB-1232	0.25 ug/mL
							PCB-1232 Peak 1	0.25 ug/mL
							PCB-1232 Peak 2	0.25 ug/mL
							PCB-1232 Peak 3	0.25 ug/mL
							PCB-1232 Peak 4	0.25 ug/mL
							PCB-1232 Peak 5	0.25 ug/mL
.AR_1232_US_00003	08/01/12	Ultra Scientific, Lot CC-3294A			(Purchased Reagent)		PCB-1232	100 ug/mL
							PCB-1232 Peak 1	100 ug/mL
							PCB-1232 Peak 2	100 ug/mL
							PCB-1232 Peak 3	100 ug/mL
							PCB-1232 Peak 4	100 ug/mL
							PCB-1232 Peak 5	100 ug/mL
AR-4268_SS_00011	05/18/12	11/18/11	Hexane, Lot K16E04	10 mL	AR_1242_US_00003	0.025 mL	PCB-1242	0.25 ug/mL
							PCB-1242 Peak 1	0.25 ug/mL
							PCB-1242 Peak 2	0.25 ug/mL
							PCB-1242 Peak 3	0.25 ug/mL
							PCB-1242 Peak 4	0.25 ug/mL
							PCB-1242 Peak 5	0.25 ug/mL
.AR_1242_US_00003	07/12/12	Ultra Scientific, Lot CE-3255			(Purchased Reagent)		PCB-1242	100 ug/mL
							PCB-1242 Peak 1	100 ug/mL
							PCB-1242 Peak 2	100 ug/mL
							PCB-1242 Peak 3	100 ug/mL
							PCB-1242 Peak 4	100 ug/mL
							PCB-1242 Peak 5	100 ug/mL
AR_1248_L1_00008	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_1248_US_00002	0.25 mL	PCB-1248 Peak 1	0.25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 2	0.025 ug/mL
							PCB-1248 Peak 3	0.025 ug/mL
							PCB-1248 Peak 4	0.025 ug/mL
							PCB-1248 Peak 5	0.025 ug/mL
.AR_1248_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1248_ACC_00003	0.1 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00003	08/01/12		Accustandard, Lot 209111008		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L2_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_1248_L7_00002	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL
							PCB-1248 Peak 5	0.05 ug/mL
.AR_1248_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1248_ACC_00003	0.1 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00003	08/01/12		Accustandard, Lot 209111008		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L3_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_1248_L7_00002	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL
.AR_1248_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1248_ACC_00003	0.1 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00003	08/01/12		Accustandard, Lot 209111008		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L4_00008	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_1248_L7_00002	2.5 mL	PCB-1248 Peak 1	0.25 ug/mL
							PCB-1248 Peak 2	0.25 ug/mL
							PCB-1248 Peak 3	0.25 ug/mL
							PCB-1248 Peak 4	0.25 ug/mL
							PCB-1248 Peak 5	0.25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.AR_1248_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1248_ACC_00003	0.1 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00003	08/01/12		Accustandard, Lot 209111008		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L5_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_1248_L7_00002	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.AR_1248_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1248_ACC_00003	0.1 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00003	08/01/12		Accustandard, Lot 209111008		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L6_00005	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_1248_L7_00002	7.5 mL	PCB-1248 Peak 1	0.75 ug/mL
							PCB-1248 Peak 2	0.75 ug/mL
							PCB-1248 Peak 3	0.75 ug/mL
							PCB-1248 Peak 4	0.75 ug/mL
							PCB-1248 Peak 5	0.75 ug/mL
.AR_1248_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1248_ACC_00003	0.1 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00003	08/01/12		Accustandard, Lot 209111008		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1248_ACC_00003	0.1 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
.AR_1248_ACC_00003	08/01/12		Accustandard, Lot 209111008		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_SS_00007	08/22/12	02/22/12	hexane, Lot K29E01	10 mL	AR_1248_US_00006	25 uL	PCB-1248	0.25 ug/mL
							PCB-1248 Peak 1	0.25 ug/mL
							PCB-1248 Peak 2	0.25 ug/mL
							PCB-1248 Peak 3	0.25 ug/mL
							PCB-1248 Peak 4	0.25 ug/mL
							PCB-1248 Peak 5	0.25 ug/mL
.AR_1248_US_00006	04/30/18	Ultra Scientific, Lot CE-0290A			(Purchased Reagent)		PCB-1248	100 ug/mL
							PCB-1248 Peak 1	100 ug/mL
							PCB-1248 Peak 2	100 ug/mL
							PCB-1248 Peak 3	100 ug/mL
							PCB-1248 Peak 4	100 ug/mL
							PCB-1248 Peak 5	100 ug/mL
AR_1660_L1_00016	08/01/12	02/21/12	hexane, Lot K29E01	10 mL	AR_1660_L7_00004	0.25 mL	DCB Decachlorobiphenyl	0.00125 ug/mL
							Tetrachloro-m-xylene	0.00125 ug/mL
							PCB-1016 Peak 1	0.025 ug/mL
							PCB-1016 Peak 2	0.025 ug/mL
							PCB-1016 Peak 3	0.025 ug/mL
							PCB-1016 Peak 4	0.025 ug/mL
							PCB-1016 Peak 5	0.025 ug/mL
							PCB-1260 Peak 1	0.025 ug/mL
							PCB-1260 Peak 2	0.025 ug/mL
							PCB-1260 Peak 3	0.025 ug/mL
							PCB-1260 Peak 4	0.025 ug/mL
							PCB-1260 Peak 5	0.025 ug/mL
.AR_1660_L7_00004	08/12/12	02/21/12	hexane, Lot K29E01	100 mL	AR_SURR_ACC_00005	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
					Aroclor1016_00005	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					Aroclor1260_00003	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
..AR_SURR_ACC_00005	10/12/12	Accustandard, Lot 210041294			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..Aroclor1016_00005	10/12/12	AccuStandard, Lot 209091313			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..Aroclor1260_00003	10/12/12	AccuStandard, Lot B8080352			(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
AR_1660_L2_00015	08/01/12	02/21/12	hexane, Lot K29E01	10 mL	AR_1660_L7_00004	0.5 mL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
							PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
.AR_1660_L7_00004	08/12/12	02/21/12	hexane, Lot K29E01	100 mL	AR_SURR_ACC_00005	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
					Aroclor1016_00005	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					Aroclor1260_00003	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
..AR_SURR_ACC_00005	10/12/12		Accustandard, Lot 210041294		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..Aroclor1016_00005	10/12/12		AccuStandard, Lot 209091313		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..Aroclor1260_00003	10/12/12		AccuStandard, Lot B8080352		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
AR_1660_L3_00015	08/01/12	02/21/12	hexane, Lot K29E01	10 mL	AR_1660_L7_00004	1 mL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
							PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
.AR_1660_L7_00004	08/12/12	02/21/12	hexane, Lot K29E01	100 mL	AR_SURR_ACC_00005	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					Aroclor1016_00005	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					Aroclor1260_00003	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
..AR_SURR_ACC_00005	10/12/12		Accustandard, Lot 210041294		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..Aroclor1016_00005	10/12/12		AccuStandard, Lot 209091313		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..Aroclor1260_00003	10/12/12		AccuStandard, Lot B8080352		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
AR_1660_L4_00053	08/01/12	02/21/12	hexane, Lot K29E01	10 mL	AR_1660_L7_00004	2.5 mL	DCB Decachlorobiphenyl	0.0125 ug/mL
							Tetrachloro-m-xylene	0.0125 ug/mL
							PCB-1016 Peak 1	0.25 ug/mL
							PCB-1016 Peak 2	0.25 ug/mL
							PCB-1016 Peak 3	0.25 ug/mL
							PCB-1016 Peak 4	0.25 ug/mL
							PCB-1016 Peak 5	0.25 ug/mL
							PCB-1260 Peak 1	0.25 ug/mL
							PCB-1260 Peak 2	0.25 ug/mL
							PCB-1260 Peak 3	0.25 ug/mL
							PCB-1260 Peak 4	0.25 ug/mL
							PCB-1260 Peak 5	0.25 ug/mL
.AR_1660_L7_00004	08/12/12	02/21/12	hexane, Lot K29E01	100 mL	AR_SURR_ACC_00005	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
					Aroclor1016_00005	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					Aroclor1260_00003	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
..AR_SURR_ACC_00005	10/12/12		Accustandard, Lot 210041294		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..Aroclor1016_00005	10/12/12		AccuStandard, Lot 209091313		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..Aroclor1260_00003	10/12/12		AccuStandard, Lot B8080352		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
AR_1660_L5_00017	08/01/12	03/27/12	hexane, Lot K29E03	25 mL	AR_1660_L7_00004	12.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
							PCB-1016	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
.AR_1660_L7_00004	08/12/12	02/21/12	hexane, Lot K29E01	100 mL	AR_SURR_ACC_00005	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
					Aroclor1016_00005	100 uL	PCB-1016	1 ug/mL
							PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					Aroclor1260_00003	100 uL	PCB-1260	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
..AR_SURR_ACC_00005	10/12/12		Accustandard, Lot 210041294		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..Aroclor1016_00005	10/12/12		AccuStandard, Lot 209091313		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..Aroclor1260_00003	10/12/12		AccuStandard, Lot B8080352		(Purchased Reagent)		PCB-1260	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
AR_1660_L5_00018	08/01/12	04/12/12	hexane, Lot K31E26	25 mL	AR_1660_L7_00004	12.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
							PCB-1016	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
.AR_1660_L7_00004	08/12/12	02/21/12	hexane, Lot K29E01	100 mL	AR_SURR_ACC_00005	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
					Aroclor1016_00005	100 uL	PCB-1016	1 ug/mL
							PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					Aroclor1260_00003	100 uL	PCB-1260	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
..AR_SURR_ACC_00005	10/12/12		Accustandard, Lot 210041294		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..Aroclor1016_00005	10/12/12		AccuStandard, Lot 209091313		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..Aroclor1260_00003	10/12/12		AccuStandard, Lot B8080352		(Purchased Reagent)		PCB-1260	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
AR_1660_L6_00017	08/01/12	02/21/12	hexane, Lot K29E01	10 mL	AR_1660_L7_00004	7.5 mL	DCB Decachlorobiphenyl	0.0375 ug/mL
							Tetrachloro-m-xylene	0.0375 ug/mL
							PCB-1016 Peak 1	0.75 ug/mL
							PCB-1016 Peak 2	0.75 ug/mL
							PCB-1016 Peak 3	0.75 ug/mL
							PCB-1016 Peak 4	0.75 ug/mL
							PCB-1016 Peak 5	0.75 ug/mL
							PCB-1260 Peak 1	0.75 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 2	0.75 ug/mL
							PCB-1260 Peak 3	0.75 ug/mL
							PCB-1260 Peak 4	0.75 ug/mL
							PCB-1260 Peak 5	0.75 ug/mL
.AR_1660_L7_00004	08/12/12	02/21/12	hexane, Lot K29E01	100 mL	AR_SURR_ACC_00005	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
					Aroclor1016_00005	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					Aroclor1260_00003	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
..AR_SURR_ACC_00005	10/12/12		Accustandard, Lot 210041294		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..Aroclor1016_00005	10/12/12		AccuStandard, Lot 209091313		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..Aroclor1260_00003	10/12/12		AccuStandard, Lot B8080352		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
AR_1660_L7_00004	08/12/12	02/21/12	hexane, Lot K29E01	100 mL	AR_SURR_ACC_00005	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
					Aroclor1016_00005	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					Aroclor1260_00003	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
.AR_SURR_ACC_00005	10/12/12		Accustandard, Lot 210041294		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.Aroclor1016_00005	10/12/12		AccuStandard, Lot 209091313		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
.Aroclor1260_00003	10/12/12		AccuStandard, Lot B8080352		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
AR_1660_SS_00017	08/01/12	02/22/12	Hexane, Lot K29E01	10 mL	AR_1660_SSSTK_00007	250 uL	PCB-1016	0.25 ug/mL
							PCB-1016 Peak 1	0.25 ug/mL
							PCB-1016 Peak 2	0.25 ug/mL
							PCB-1016 Peak 3	0.25 ug/mL
							PCB-1016 Peak 4	0.25 ug/mL
							PCB-1016 Peak 5	0.25 ug/mL
							PCB-1260	0.25 ug/mL
							PCB-1260 Peak 1	0.25 ug/mL
							PCB-1260 Peak 2	0.25 ug/mL
							PCB-1260 Peak 3	0.25 ug/mL
							PCB-1260 Peak 4	0.25 ug/mL
							PCB-1260 Peak 5	0.25 ug/mL
							DCB Decachlorobiphenyl	0.0125 ug/mL
							Tetrachloro-m-xylene	0.0125 ug/mL
.AR_1660_SSSTK_00007	08/01/12	02/22/12	HEXANE, Lot K29E01	2 mL	AR_1016_US_00006	0.2 mL	PCB-1016	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
					AR_1260_US_00005	0.2 mL	PCB-1260	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
					AR_SURR_US_00004	0.005 mL	DCB Decachlorobiphenyl	0.5 ug/mL
							Tetrachloro-m-xylene	0.5 ug/mL
..AR_1016_US_00006	03/31/17	Ultra Scientific, Lot CF-0785			(Purchased Reagent)		PCB-1016	100 ug/mL
							PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
..AR_1260_US_00005	07/31/13	Ultra Scientific, Lot CC-1413a			(Purchased Reagent)		PCB-1260	100 ug/mL
							PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
..AR_SURR_US_00004	10/31/13	Ultra scientific, Lot CG-3165			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_2154_L1_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_2154_L7_00002	0.25 mL	PCB-1221 Peak 1	0.025 ug/mL
							PCB-1221 Peak 2	0.025 ug/mL
							PCB-1221 Peak 3	0.025 ug/mL
							PCB-1254 Peak 1	0.025 ug/mL
							PCB-1254 Peak 2	0.025 ug/mL
							PCB-1254 Peak 3	0.025 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 4	0.025 ug/mL
							PCB-1254 Peak 5	0.025 ug/mL
.AR_2154_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1221_ACC_00003	0.1 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00003	0.1 mL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00003	08/01/12		Accustandard, Lot B8040297		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00003	08/01/12		Accustandard, Lot B9040205		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L2_00008	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_2154_L7_00002	0.5 mL	PCB-1221 Peak 1	0.05 ug/mL
							PCB-1221 Peak 2	0.05 ug/mL
							PCB-1221 Peak 3	0.05 ug/mL
							PCB-1254 Peak 1	0.05 ug/mL
							PCB-1254 Peak 2	0.05 ug/mL
							PCB-1254 Peak 3	0.05 ug/mL
							PCB-1254 Peak 4	0.05 ug/mL
							PCB-1254 Peak 5	0.05 ug/mL
.AR_2154_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1221_ACC_00003	0.1 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00003	0.1 mL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00003	08/01/12		Accustandard, Lot B8040297		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00003	08/01/12		Accustandard, Lot B9040205		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L3_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_2154_L7_00002	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.AR_2154_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1221_ACC_00003	0.1 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00003	0.1 mL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00003	08/01/12		Accustandard, Lot B8040297		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00003	08/01/12		Accustandard, Lot B9040205		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L4_00008	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_2154_L7_00002	2.5 mL	PCB-1221 Peak 1	0.25 ug/mL
							PCB-1221 Peak 2	0.25 ug/mL
							PCB-1221 Peak 3	0.25 ug/mL
							PCB-1254 Peak 1	0.25 ug/mL
							PCB-1254 Peak 2	0.25 ug/mL
							PCB-1254 Peak 3	0.25 ug/mL
							PCB-1254 Peak 4	0.25 ug/mL
							PCB-1254 Peak 5	0.25 ug/mL
.AR_2154_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1221_ACC_00003	0.1 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00003	0.1 mL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00003	08/01/12		Accustandard, Lot B8040297		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00003	08/01/12		Accustandard, Lot B9040205		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L5_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_2154_L7_00002	5 mL	PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
							PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
.AR_2154_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1221_ACC_00003	0.1 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00003	0.1 mL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00003	08/01/12		Accustandard, Lot B8040297		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00003	08/01/12		Accustandard, Lot B9040205		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L6_00005	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_2154_L7_00002	7.5 mL	PCB-1221 Peak 1	0.75 ug/mL
							PCB-1221 Peak 2	0.75 ug/mL
							PCB-1221 Peak 3	0.75 ug/mL
							PCB-1254 Peak 1	0.75 ug/mL
							PCB-1254 Peak 2	0.75 ug/mL
							PCB-1254 Peak 3	0.75 ug/mL
							PCB-1254 Peak 4	0.75 ug/mL
							PCB-1254 Peak 5	0.75 ug/mL
.AR_2154_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1221_ACC_00003	0.1 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00003	0.1 mL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00003	08/01/12		Accustandard, Lot B8040297		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00003	08/01/12		Accustandard, Lot B9040205		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1221_ACC_00003	0.1 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00003	0.1 mL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
.AR_1221_ACC_00003	08/01/12		Accustandard, Lot B8040297		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
.AR_1254_ACC_00003	08/01/12		Accustandard, Lot B9040205		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_SS_00007	08/01/12	02/22/12	Hexane, Lot K29E01	10 mL	AR_1221_US_00004	0.025 mL	PCB-1221	0.25 ug/mL
							PCB-1221 Peak 1	0.25 ug/mL
							PCB-1221 Peak 2	0.25 ug/mL
							PCB-1221 Peak 3	0.25 ug/mL
					AR_1254_US_00005	0.025 mL	PCB-1254	0.25 ug/mL
							PCB-1254 Peak 1	0.25 ug/mL
							PCB-1254 Peak 2	0.25 ug/mL
							PCB-1254 Peak 3	0.25 ug/mL
							PCB-1254 Peak 4	0.25 ug/mL
							PCB-1254 Peak 5	0.25 ug/mL
.AR_1221_US_00004	08/01/12	Ultra Scientific, Lot PP-291			(Purchased Reagent)		PCB-1221	100 ug/mL
							PCB-1221 Peak 1	100 ug/mL
							PCB-1221 Peak 2	100 ug/mL
							PCB-1221 Peak 3	100 ug/mL
.AR_1254_US_00005	08/01/12	Ultra scientific, Lot CF-1469			(Purchased Reagent)		PCB-1254	100 ug/mL
							PCB-1254 Peak 1	100 ug/mL
							PCB-1254 Peak 2	100 ug/mL
							PCB-1254 Peak 3	100 ug/mL
							PCB-1254 Peak 4	100 ug/mL
							PCB-1254 Peak 5	100 ug/mL
AR_3262_L1_00008	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_3262_L7_00002	0.25 mL	PCB-1232 Peak 1	0.025 ug/mL
							PCB-1232 Peak 2	0.025 ug/mL
							PCB-1232 Peak 3	0.025 ug/mL
							PCB-1232 Peak 4	0.025 ug/mL
							PCB-1232 Peak 5	0.025 ug/mL
							PCB-1262 Peak 1	0.025 ug/mL
							PCB-1262 Peak 2	0.025 ug/mL
							PCB-1262 Peak 3	0.025 ug/mL
							PCB-1262 Peak 4	0.025 ug/mL
							PCB-1262 Peak 5	0.025 ug/mL
.AR_3262_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1232_ACC_00003	0.1 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00003	0.1 mL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00003	08/01/12	Accustandard, Lot B8020263			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00003	08/01/12	accustandard, Lot B6010227			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L2_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_3262_L7_00002	0.5 mL	PCB-1232 Peak 1	0.05 ug/mL
							PCB-1232 Peak 2	0.05 ug/mL
							PCB-1232 Peak 3	0.05 ug/mL
							PCB-1232 Peak 4	0.05 ug/mL
							PCB-1232 Peak 5	0.05 ug/mL
							PCB-1262 Peak 1	0.05 ug/mL
							PCB-1262 Peak 2	0.05 ug/mL
							PCB-1262 Peak 3	0.05 ug/mL
							PCB-1262 Peak 4	0.05 ug/mL
							PCB-1262 Peak 5	0.05 ug/mL
.AR_3262_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1232_ACC_00003	0.1 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00003	0.1 mL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00003	08/01/12		Accustandard, Lot B8020263		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00003	08/01/12		accustandard, Lot B6010227		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L3_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_3262_L7_00002	1 mL	PCB-1232 Peak 1	0.1 ug/mL
							PCB-1232 Peak 2	0.1 ug/mL
							PCB-1232 Peak 3	0.1 ug/mL
							PCB-1232 Peak 4	0.1 ug/mL
							PCB-1232 Peak 5	0.1 ug/mL
							PCB-1262 Peak 1	0.1 ug/mL
							PCB-1262 Peak 2	0.1 ug/mL
							PCB-1262 Peak 3	0.1 ug/mL
							PCB-1262 Peak 4	0.1 ug/mL
							PCB-1262 Peak 5	0.1 ug/mL
.AR_3262_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1232_ACC_00003	0.1 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00003	0.1 mL	PCB-1262 Peak 1	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00003	08/01/12		Accustandard, Lot B8020263		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00003	08/01/12		accustandard, Lot B6010227		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L4_00008	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_3262_L7_00002	2.5 mL	PCB-1232 Peak 1	0.25 ug/mL
							PCB-1232 Peak 2	0.25 ug/mL
							PCB-1232 Peak 3	0.25 ug/mL
							PCB-1232 Peak 4	0.25 ug/mL
							PCB-1232 Peak 5	0.25 ug/mL
							PCB-1262 Peak 1	0.25 ug/mL
							PCB-1262 Peak 2	0.25 ug/mL
							PCB-1262 Peak 3	0.25 ug/mL
							PCB-1262 Peak 4	0.25 ug/mL
							PCB-1262 Peak 5	0.25 ug/mL
.AR_3262_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1232_ACC_00003	0.1 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00003	0.1 mL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00003	08/01/12		Accustandard, Lot B8020263		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00003	08/01/12		accustandard, Lot B6010227		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L5_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_3262_L7_00002	5 mL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
							PCB-1262 Peak 1	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 2	0.5 ug/mL
							PCB-1262 Peak 3	0.5 ug/mL
							PCB-1262 Peak 4	0.5 ug/mL
							PCB-1262 Peak 5	0.5 ug/mL
.AR_3262_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1232_ACC_00003	0.1 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00003	0.1 mL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00003	08/01/12		Accustandard, Lot B8020263		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00003	08/01/12		accustandard, Lot B6010227		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L6_00005	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_3262_L7_00002	7.5 mL	PCB-1232 Peak 1	0.75 ug/mL
							PCB-1232 Peak 2	0.75 ug/mL
							PCB-1232 Peak 3	0.75 ug/mL
							PCB-1232 Peak 4	0.75 ug/mL
							PCB-1232 Peak 5	0.75 ug/mL
							PCB-1262 Peak 1	0.75 ug/mL
							PCB-1262 Peak 2	0.75 ug/mL
							PCB-1262 Peak 3	0.75 ug/mL
							PCB-1262 Peak 4	0.75 ug/mL
							PCB-1262 Peak 5	0.75 ug/mL
.AR_3262_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1232_ACC_00003	0.1 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00003	0.1 mL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00003	08/01/12		Accustandard, Lot B8020263		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00003	08/01/12		accustandard, Lot B6010227		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1232_ACC_00003	0.1 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00003	0.1 mL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
.AR_1232_ACC_00003	08/01/12		Accustandard, Lot B8020263		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
.AR_1262_ACC_00003	08/01/12		accustandard, Lot B6010227		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_4268_L1_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_4268_L7_00002	0.25 mL	PCB-1242 Peak 1	0.025 ug/mL
							PCB-1242 Peak 2	0.025 ug/mL
							PCB-1242 Peak 3	0.025 ug/mL
							PCB-1242 Peak 4	0.025 ug/mL
							PCB-1242 Peak 5	0.025 ug/mL
							PCB-1268 Peak 1	0.025 ug/mL
							PCB-1268 Peak 2	0.025 ug/mL
							PCB-1268 Peak 3	0.025 ug/mL
							PCB-1268 Peak 4	0.025 ug/mL
							PCB-1268 Peak 5	0.025 ug/mL
.AR_4268_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1242_ACC_00003	0.1 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00003	0.1 mL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00003	08/01/12		Accustandard, Lot B9020263		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00003	08/01/12		Accustandard, Lot B6110090		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L2_00006	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_4268_L7_00002	0.5 mL	PCB-1242 Peak 1	0.05 ug/mL
							PCB-1242 Peak 2	0.05 ug/mL
							PCB-1242 Peak 3	0.05 ug/mL
							PCB-1242 Peak 4	0.05 ug/mL
							PCB-1242 Peak 5	0.05 ug/mL
							PCB-1268 Peak 1	0.05 ug/mL
							PCB-1268 Peak 2	0.05 ug/mL
							PCB-1268 Peak 3	0.05 ug/mL
							PCB-1268 Peak 4	0.05 ug/mL
							PCB-1268 Peak 5	0.05 ug/mL
.AR_4268_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1242_ACC_00003	0.1 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00003	0.1 mL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00003	08/01/12		Accustandard, Lot B9020263		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00003	08/01/12		Accustandard, Lot B6110090		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L3_00006	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_4268_L7_00002	1 mL	PCB-1242 Peak 1	0.1 ug/mL
							PCB-1242 Peak 2	0.1 ug/mL
							PCB-1242 Peak 3	0.1 ug/mL
							PCB-1242 Peak 4	0.1 ug/mL
							PCB-1242 Peak 5	0.1 ug/mL
							PCB-1268 Peak 1	0.1 ug/mL
							PCB-1268 Peak 2	0.1 ug/mL
							PCB-1268 Peak 3	0.1 ug/mL
							PCB-1268 Peak 4	0.1 ug/mL
							PCB-1268 Peak 5	0.1 ug/mL
.AR_4268_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1242_ACC_00003	0.1 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00003	0.1 mL	PCB-1268 Peak 1	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00003	08/01/12		Accustandard, Lot B9020263		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00003	08/01/12		Accustandard, Lot B6110090		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L4_00009	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_4268_L7_00002	2.5 mL	PCB-1242 Peak 1	0.25 ug/mL
							PCB-1242 Peak 2	0.25 ug/mL
							PCB-1242 Peak 3	0.25 ug/mL
							PCB-1242 Peak 4	0.25 ug/mL
							PCB-1242 Peak 5	0.25 ug/mL
							PCB-1268 Peak 1	0.25 ug/mL
							PCB-1268 Peak 2	0.25 ug/mL
							PCB-1268 Peak 3	0.25 ug/mL
							PCB-1268 Peak 4	0.25 ug/mL
							PCB-1268 Peak 5	0.25 ug/mL
.AR_4268_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1242_ACC_00003	0.1 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00003	0.1 mL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00003	08/01/12		Accustandard, Lot B9020263		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00003	08/01/12		Accustandard, Lot B6110090		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L5_00007	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_4268_L7_00002	5 mL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
							PCB-1268 Peak 1	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 2	0.5 ug/mL
							PCB-1268 Peak 3	0.5 ug/mL
							PCB-1268 Peak 4	0.5 ug/mL
							PCB-1268 Peak 5	0.5 ug/mL
.AR_4268_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1242_ACC_00003	0.1 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00003	0.1 mL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00003	08/01/12		Accustandard, Lot B9020263		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00003	08/01/12		Accustandard, Lot B6110090		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L6_00004	08/01/12	02/21/12	Hexane, Lot K29E01	10 mL	AR_4268_L7_00002	7.5 mL	PCB-1242 Peak 1	0.75 ug/mL
							PCB-1242 Peak 2	0.75 ug/mL
							PCB-1242 Peak 3	0.75 ug/mL
							PCB-1242 Peak 4	0.75 ug/mL
							PCB-1242 Peak 5	0.75 ug/mL
							PCB-1268 Peak 1	0.75 ug/mL
							PCB-1268 Peak 2	0.75 ug/mL
							PCB-1268 Peak 3	0.75 ug/mL
							PCB-1268 Peak 4	0.75 ug/mL
							PCB-1268 Peak 5	0.75 ug/mL
.AR_4268_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1242_ACC_00003	0.1 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00003	0.1 mL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00003	08/01/12		Accustandard, Lot B9020263		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00003	08/01/12		Accustandard, Lot B6110090		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L7_00002	08/01/12	02/21/12	Hexane, Lot K29E01	100 mL	AR_1242_ACC_00003	0.1 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00003	0.1 mL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
.AR_1242_ACC_00003	08/01/12	Accustandard, Lot B9020263			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
.AR_1268_ACC_00003	08/01/12	Accustandard, Lot B6110090			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
Hg Daily Spk_00517	04/04/12	04/03/12	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00036	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00036	04/13/12	03/13/12	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00003	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00003	05/31/17	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg Daily Spk_00518	04/05/12	04/04/12	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00036	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00036	04/13/12	03/13/12	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00003	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00003	05/31/17	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg H20 ICV_00344	04/05/12	04/04/12	1% HNO3, Lot K23022	100 mL	Hg Biwk ICV_00077	1 mL	Mercury	0.004 mg/L
.Hg Biwk ICV_00077	04/17/12	04/03/12	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00004	0.4 mL	Mercury	0.4 mg/L
..Hg ICV Stock_00004	04/01/13	Inorganic Ventures, Lot E2-HG02088			(Purchased Reagent)		Mercury	100 mg/L
Hg H2O CCV_00338	04/05/12	04/04/12	1% HNO3, Lot K23022	100 mL	Hg Daily Spk_00518	5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00518	04/05/12	04/04/12	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00036	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00036	04/13/12	03/13/12	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00003	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00003	05/31/17	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg Soil CCV_00286	04/04/12	04/03/12	1% HNO3, Lot K14036	50 mL	Hg Daily Spk_00517	2.5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00517	04/04/12	04/03/12	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00036	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00036	04/13/12	03/13/12	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00003	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00003	05/31/17	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg SoilICV_00284	04/04/12	04/03/12	1% HNO3, Lot K23022	50 mL	Hg Biwk ICV_00077	0.5 mL	Mercury	0.004 mg/L
.Hg Biwk ICV_00077	04/17/12	04/03/12	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00004	0.4 mL	Mercury	0.4 mg/L
..Hg ICV Stock_00004	04/01/13	Inorganic Ventures, Lot E2-HG02088			(Purchased Reagent)		Mercury	100 mg/L
ICP CCVH_00215	05/01/12	03/22/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00124	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ICP ICAL2A_00124	05/01/12	03/22/12	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00005	10 mL	Aluminum	100 mg/L
					10000 Fe_00006	10 mL	Iron	100 mg/L
					10000 Na_00017	50 mL	Sodium	500 mg/L
..10000 Al_00005	05/01/12	Inorganic Ventures, Lot D2-AL04094			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00006	10/01/12	Inorganic Ventures, Lot E2-FE03139			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00017	01/01/13	Inorganic Ventures, Lot e2-na03095			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVH_00216	07/01/12	03/29/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00125	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00125	07/01/12	03/29/12	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00007	10 mL	Aluminum	100 mg/L
					10000 Fe_00006	10 mL	Iron	100 mg/L
					10000 Na_00017	50 mL	Sodium	500 mg/L
..10000 Al_00007	03/01/13	Inorganic Ventures, Lot E2-AL04105			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00006	10/01/12	Inorganic Ventures, Lot E2-FE03139			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00017	01/01/13	Inorganic Ventures, Lot e2-na03095			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVH_00217	07/01/12	04/10/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00126	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00126	07/01/12	04/10/12	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00007	10 mL	Aluminum	100 mg/L
					10000 Fe_00006	10 mL	Iron	100 mg/L
					10000 Na_00017	50 mL	Sodium	500 mg/L
..10000 Al_00007	03/01/13	Inorganic Ventures, Lot E2-AL04105			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00006	10/01/12	Inorganic Ventures, Lot E2-FE03139			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00017	01/01/13	Inorganic Ventures, Lot e2-na03095			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVL_00236	09/01/12	03/29/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00214	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Antimony	1 mg/L
							Selenium	1 mg/L
							Thallium	1 mg/L
							Molybdenum	0.5 mg/L
							Aluminum	0.5 mg/L
							Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Boron	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Iron	2.5 mg/L
							Magnesium	20 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L
							Potassium	20 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	0.5 mg/L
							Sodium	5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
.ICP ICAL1A_00214	09/01/12	03/29/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00007	1 mL	Arsenic	2 mg/L
					1000 Pb_00008	1 mL	Lead	2 mg/L
					1000 Sb_00006	1 mL	Antimony	2 mg/L
					1000 Se_00005	1 mL	Selenium	2 mg/L
					1000 Tl_00004	1 mL	Thallium	2 mg/L
					Icp cal std 2_00005	5 mL	Molybdenum	1 mg/L
					Icp cal std 3_00005	5 mL	Aluminum	1 mg/L
							Barium	1 mg/L
							Beryllium	1 mg/L
							Boron	1 mg/L
							Cadmium	1 mg/L
							Calcium	10 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	5 mg/L
							Magnesium	40 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	100 mg/L
							Silver	1 mg/L
							Sodium	10 mg/L
							Vanadium	1 mg/L
							Zinc	1 mg/L
..1000 As_00007	03/01/13	Inorganic Venture, Lot D2-AS02071			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00008	11/01/12	Inorganic Ventures, Lot E2-PB03029			(Purchased Reagent)		Lead	1000 mg/L
..1000 Sb_00006	03/01/13	Inorganic Ventures, Lot E2-SB03002			(Purchased Reagent)		Antimony	1000 mg/L
..1000 Se_00005	03/01/13	Inorganic Ventures, Lot E2-Se02033			(Purchased Reagent)		Selenium	1000 mg/L
..1000 Tl_00004	09/01/12	Inorganic Ventures, Lot E2-TL01121			(Purchased Reagent)		Thallium	1000 mg/L
..Icp cal std 2_00005	01/01/13	Inorganic Ventures, Lot E2-meb407033			(Purchased Reagent)		Molybdenum	100 mg/L
..Icp cal std 3_00005	01/01/13	Inorganic Ventures, Lot D2-meb357104			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Boron	100 mg/L
							Cadmium	100 mg/L
							Calcium	1000 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Iron	500 mg/L
							Magnesium	4000 mg/L
							Manganese	100 mg/L
							Nickel	100 mg/L
							Potassium	10000 mg/L
							Silver	100 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sodium	1000 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ICP CCVL_00237	09/01/12	04/03/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00215	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Antimony	1 mg/L
							Selenium	1 mg/L
							Thallium	1 mg/L
							Molybdenum	0.5 mg/L
							Aluminum	0.5 mg/L
							Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Boron	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Iron	2.5 mg/L
							Magnesium	20 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L
							Potassium	50 mg/L
							Silver	0.5 mg/L
							Sodium	5 mg/L
							Sr	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
.ICP ICAL1A_00215	09/01/12	04/03/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00007	1 mL	Arsenic	2 mg/L
					1000 Pb_00008	1 mL	Lead	2 mg/L
					1000 Sb_00006	1 mL	Antimony	2 mg/L
					1000 Se_00005	1 mL	Selenium	2 mg/L
					1000 Tl_00004	1 mL	Thallium	2 mg/L
					Icp cal std 2_00005	5 mL	Molybdenum	1 mg/L
					Icp cal std 3_00005	5 mL	Aluminum	1 mg/L
							Barium	1 mg/L
							Beryllium	1 mg/L
							Boron	1 mg/L
							Cadmium	1 mg/L
							Calcium	10 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	5 mg/L
							Magnesium	40 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	100 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	1 mg/L
							Sodium	10 mg/L
							Sr	1 mg/L
							Vanadium	1 mg/L
							Zinc	1 mg/L
..1000 As_00007	03/01/13	Inorganic Venture, Lot D2-AS02071			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00008	11/01/12	Inorganic Ventures, Lot E2-PB03029			(Purchased Reagent)		Lead	1000 mg/L
..1000 Sb_00006	03/01/13	Inorganic Ventures, Lot E2-SB03002			(Purchased Reagent)		Antimony	1000 mg/L
..1000 Se_00005	03/01/13	Inorganic Ventures, Lot E2-Se02033			(Purchased Reagent)		Selenium	1000 mg/L
..1000 Tl_00004	09/01/12	Inorganic Ventures, Lot E2-TL01121			(Purchased Reagent)		Thallium	1000 mg/L
..Icp cal std 2_00005	01/01/13	Inorganic Ventures, Lot E2-meb407033			(Purchased Reagent)		Molybdenum	100 mg/L
..Icp cal std 3_00005	01/01/13	Inorganic Ventures, Lot D2-meb357104			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Boron	100 mg/L
							Cadmium	100 mg/L
							Calcium	1000 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Iron	500 mg/L
							Magnesium	4000 mg/L
							Manganese	100 mg/L
							Nickel	100 mg/L
							Potassium	10000 mg/L
							Silver	100 mg/L
							Sodium	1000 mg/L
							Sr	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ICP CCVL_00238	09/01/12	04/10/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00216	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Antimony	1 mg/L
							Selenium	1 mg/L
							Thallium	1 mg/L
							Molybdenum	0.5 mg/L
							Aluminum	0.5 mg/L
							Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Boron	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Iron	2.5 mg/L
							Magnesium	20 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Potassium	50 mg/L
							Silver	0.5 mg/L
							Sodium	5 mg/L
							Sr	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
.ICP ICAL1A_00216	09/01/12	04/09/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00007	1 mL	Arsenic	2 mg/L
					1000 Pb_00008	1 mL	Lead	2 mg/L
					1000 Sb_00006	1 mL	Antimony	2 mg/L
					1000 Se_00005	1 mL	Selenium	2 mg/L
					1000 Tl_00004	1 mL	Thallium	2 mg/L
					Icp cal std 2_00005	5 mL	Molybdenum	1 mg/L
					Icp cal std 3_00005	5 mL	Aluminum	1 mg/L
							Barium	1 mg/L
							Beryllium	1 mg/L
							Boron	1 mg/L
							Cadmium	1 mg/L
							Calcium	10 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	5 mg/L
							Magnesium	40 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	100 mg/L
							Silver	1 mg/L
							Sodium	10 mg/L
							Sr	1 mg/L
							Vanadium	1 mg/L
							Zinc	1 mg/L
..1000 As_00007	03/01/13	Inorganic Venture, Lot D2-AS02071			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00008	11/01/12	Inorganic Ventures, Lot E2-PB03029			(Purchased Reagent)		Lead	1000 mg/L
..1000 Sb_00006	03/01/13	Inorganic Ventures, Lot E2-SB03002			(Purchased Reagent)		Antimony	1000 mg/L
..1000 Se_00005	03/01/13	Inorganic Ventures, Lot E2-Se02033			(Purchased Reagent)		Selenium	1000 mg/L
..1000 Tl_00004	09/01/12	Inorganic Ventures, Lot E2-TL01121			(Purchased Reagent)		Thallium	1000 mg/L
..Icp cal std 2_00005	01/01/13	Inorganic Ventures, Lot E2-meb407033			(Purchased Reagent)		Molybdenum	100 mg/L
..Icp cal std 3_00005	01/01/13	Inorganic Ventures, Lot D2-meb357104			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Boron	100 mg/L
							Cadmium	100 mg/L
							Calcium	1000 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Iron	500 mg/L
							Magnesium	4000 mg/L
							Manganese	100 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nickel	100 mg/L
							Potassium	10000 mg/L
							Silver	100 mg/L
							Sodium	1000 mg/L
							Sr	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ICP ICSA_00054	10/01/12	03/27/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00005	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.Icp stk ICSA_00005	10/01/12	Inorganic Ventures, Lot e2-meb348035			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICSAB_00047	05/17/12	04/02/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	1000 Zr_00004	0.25 mL	Zr	1 mg/L
					10000 Si_00007	0.25 mL	Si	10 mg/L
							SiO2	21.4 mg/L
					10000 Th_00003	0.05 mL	Th	2 mg/L
					ANALYTES B_00005	2.5 mL	Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Cadmium	1 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Lead	1 mg/L
							Manganese	0.5 mg/L
							Nickel	1 mg/L
							Silver	1 mg/L
							Vanadium	0.5 mg/L
							Zinc	1 mg/L
					ICP ISAB 1B_00003	2.5 mL	Thallium	10 mg/L
					ICP ISAB STD1_00003	2.5 mL	Antimony	1 mg/L
							Arsenic	2 mg/L
							Boron	2 mg/L
							Li	1 mg/L
							Molybdenum	1 mg/L
							P	2 mg/L
							Potassium	50 mg/L
							Selenium	5 mg/L
							Sodium	50 mg/L
							Sr	1 mg/L
					ICP ISAB STD2_00003	2.5 mL	Sn	10 mg/L
							Ti	1 mg/L
					Icp stk ICSA_00005	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.1000 Zr_00004	04/01/13		Spex, Lot E2-ZR01085		(Purchased Reagent)		Zr	1000 mg/L
.10000 Si_00007	04/01/13		Inorganic ventures, Lot F2-SI03011		(Purchased Reagent)		Si	10000 mg/L
							SiO2	21400 mg/L
.10000 Th_00003	01/01/13		Inorganic Ventures, Lot D2-TH01080		(Purchased Reagent)		Th	10000 mg/L
.ANALYTES B_00005	01/15/13		SPEX, Lot 43-33AS		(Purchased Reagent)		Barium	50 mg/L
							Beryllium	50 mg/L
							Cadmium	100 mg/L
							Chromium	50 mg/L
							Cobalt	50 mg/L
							Copper	50 mg/L
							Lead	100 mg/L
							Manganese	50 mg/L
							Nickel	100 mg/L
							Silver	100 mg/L
							Vanadium	50 mg/L
							Zinc	100 mg/L
.ICP ISAB 1B_00003	05/17/12		High Purity, Lot 1113639		(Purchased Reagent)		Thallium	1000 mg/L
.ICP ISAB STD1_00003	05/17/12		High Purity, Lot 1113638		(Purchased Reagent)		Antimony	100 mg/L
							Arsenic	200 mg/L
							Boron	200 mg/L
							Li	100 mg/L
							Molybdenum	100 mg/L
							P	200 mg/L
							Potassium	5000 mg/L
							Selenium	500 mg/L
							Sodium	5000 mg/L
							Sr	100 mg/L
.ICP ISAB STD2_00003	05/17/12		High Purity, Lot 1113640		(Purchased Reagent)		Sn	1000 mg/L
							Ti	100 mg/L
.Icp stk ICSA_00005	10/01/12		Inorganic Ventures, Lot e2-meb348035		(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICVH_00078	01/13/13	03/29/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVH_00073	2 mL	Aluminum	40 mg/L
							Calcium	40 mg/L
							Iron	80 mg/L
							Sodium	40 mg/L
							Zinc	2.5 mg/L
.Icp ICVH_00073	01/13/13		High Purity, Lot 1202720		(Purchased Reagent)		Aluminum	4000 mg/L
							Calcium	4000 mg/L
							Iron	8000 mg/L
							Sodium	4000 mg/L
							Zinc	250 mg/L
ICP ICVL_00068	03/19/13	03/26/12	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVL A_00004	2 mL	Aluminum	0.25 mg/L
							Arsenic	0.25 mg/L
							Barium	0.25 mg/L
							Beryllium	0.25 mg/L
							Boron	0.25 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cadmium	0.25 mg/L
							Calcium	2 mg/L
							Chromium	0.25 mg/L
							Cobalt	0.25 mg/L
							Copper	0.25 mg/L
							Iron	0.25 mg/L
							Lead	0.25 mg/L
							Magnesium	10 mg/L
							Manganese	0.25 mg/L
							Nickel	0.25 mg/L
							Potassium	20 mg/L
							Selenium	0.5 mg/L
							Sodium	2 mg/L
							Sr	0.25 mg/L
							Thallium	0.5 mg/L
							Vanadium	0.25 mg/L
							Zinc	0.25 mg/L
					Icp ICVL B_00004	2 mL	Antimony	0.25 mg/L
							Molybdenum	0.25 mg/L
							Silver	0.25 mg/L
.Icp ICVL A_00004	03/19/13		High Purity, Lot 1207636		(Purchased Reagent)		Aluminum	25 mg/L
							Arsenic	25 mg/L
							Barium	25 mg/L
							Beryllium	25 mg/L
							Boron	25 mg/L
							Cadmium	25 mg/L
							Calcium	200 mg/L
							Chromium	25 mg/L
							Cobalt	25 mg/L
							Copper	25 mg/L
							Iron	25 mg/L
							Lead	25 mg/L
							Magnesium	1000 mg/L
							Manganese	25 mg/L
							Nickel	25 mg/L
							Potassium	2000 mg/L
							Selenium	50 mg/L
							Sodium	200 mg/L
							Sr	25 mg/L
							Thallium	50 mg/L
							Vanadium	25 mg/L
							Zinc	25 mg/L
.Icp ICVL B_00004	03/19/13		HIGH PURITY, Lot 1207615		(Purchased Reagent)		Antimony	25 mg/L
							Molybdenum	25 mg/L
							Silver	25 mg/L
ICP PDS 1_00004	12/01/12		Inorganic Ventures, Lot E2-MEB402024		(Purchased Reagent)		Aluminum	100 mg/L
							Calcium	2000 mg/L
							Iron	100 mg/L
							Magnesium	2000 mg/L
							Potassium	2000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sodium	2000 mg/L
ICP PDS 2_00004	12/01/12	Inorganic Ventures, Lot E2-MEB402025			(Purchased Reagent)		Boron	10 mg/L
ICP RL STD_00603	04/03/12	04/02/12	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD3A_00003	0.1 mL	Aluminum	0.1 mg/L
							Calcium	0.2 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Potassium	1 mg/L
							Sodium	1 mg/L
.ICP RL STD3A_00003	07/01/12	Inorganic Ventures, Lot E2-MEB381084			(Purchased Reagent)		Aluminum	100 mg/L
							Calcium	200 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Potassium	1000 mg/L
							Sodium	1000 mg/L
ICP RL STD_00604	04/04/12	04/03/12	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD3A_00003	0.1 mL	Aluminum	0.1 mg/L
							Boron	0.1 mg/L
							Calcium	0.2 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Potassium	1 mg/L
							Sodium	1 mg/L
.ICP RL STD3A_00003	07/01/12	Inorganic Ventures, Lot E2-MEB381084			(Purchased Reagent)		Aluminum	100 mg/L
							Boron	100 mg/L
							Calcium	200 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Potassium	1000 mg/L
							Sodium	1000 mg/L
ICP RL STD_00608	04/10/12	04/09/12	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD3A_00003	0.1 mL	Aluminum	0.1 mg/L
							Boron	0.1 mg/L
							Calcium	0.2 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Potassium	1 mg/L
							Sodium	1 mg/L
.ICP RL STD3A_00003	07/01/12	Inorganic Ventures, Lot E2-MEB381084			(Purchased Reagent)		Aluminum	100 mg/L
							Boron	100 mg/L
							Calcium	200 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Potassium	1000 mg/L
							Sodium	1000 mg/L
ICP RL STD_00609	04/11/12	04/10/12	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD3A_00003	0.1 mL	Aluminum	0.1 mg/L
							Boron	0.1 mg/L
							Calcium	0.2 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Potassium	1 mg/L
							Sodium	1 mg/L
.ICP RL STD3A_00003	07/01/12	Inorganic Ventures, Lot E2-MEB381084			(Purchased Reagent)		Aluminum	100 mg/L
							Boron	100 mg/L
							Calcium	200 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Potassium	1000 mg/L
							Sodium	1000 mg/L
ICP SPK 2A_00041	03/01/13	Inorganic Ventures, Lot E2-meb396042			(Purchased Reagent)		Antimony	50 mg/L
							Boron	100 mg/L
							Molybdenum	100 mg/L
							Si	1000 mg/L
							SiO2	2140 mg/L
							Sn	200 mg/L
							Ti	100 mg/L
							Zr	50 mg/L
ICP SPK 3A_00043	03/01/13	Inorganic Ventures, Lot E2-meb396043			(Purchased Reagent)		Aluminum	200 mg/L
							Arsenic	100 mg/L
							Barium	200 mg/L
							Beryllium	5 mg/L
							Bi	200 mg/L
							Cadmium	10 mg/L
							Calcium	5000 mg/L
							Chromium	20 mg/L
							Cobalt	50 mg/L
							Copper	25 mg/L
							Iron	100 mg/L
							Lead	50 mg/L
							Li	100 mg/L
							Magnesium	5000 mg/L
							Manganese	50 mg/L
							Nickel	50 mg/L
							P	1000 mg/L
							Potassium	5000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sodium	5000 mg/L
							Sr	100 mg/L
							Th	100 mg/L
							Thallium	200 mg/L
							U	200 mg/L
							Vanadium	50 mg/L
							Zinc	50 mg/L
MS CAL DAILY_00548	04/03/12	04/02/12	5% HNO3, Lot L02030	100 mL	MS CALSTD-1_00060	0.5 mL	Arsenic	100 ug/L
							Barium	100 ug/L
							Beryllium	4 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cadmium	100 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Lead	100 ug/L
							Manganese	100 ug/L
							Nickel	100 ug/L
							Selenium	100 ug/L
							Silver	100 ug/L
							Thallium	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MS CALSTD-2_00060	0.5 mL	Antimony	100 ug/L
							Molybdenum	100 ug/L
.MS CALSTD-1_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS CALSTD-2_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
MS CAL DAILY_00552	04/11/12	04/10/12	5% HNO3, Lot L02030	100 mL	MS CALSTD-1_00060	0.5 mL	Arsenic	100 ug/L
							Barium	100 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Lead	100 ug/L
							Manganese	100 ug/L
							Nickel	100 ug/L
							Selenium	100 ug/L
							Silver	100 ug/L
							Thallium	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MS CALSTD-2_00060	0.5 mL	Antimony	100 ug/L
							Molybdenum	100 ug/L
.MS CALSTD-1_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS CALSTD-2_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
MS CALSTD-1_00063	02/01/13	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Th	20 mg/L
							Thallium	20 mg/L
							U	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
MS CALSTD-1_00064	03/01/13	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Th	20 mg/L
							Thallium	20 mg/L
							U	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MS CALSTD-2_00063	03/01/13	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
							Sn	20 mg/L
MS CALSTD-2_00064	03/06/13	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
							Sn	20 mg/L
MS CCV_00544	04/03/12	04/02/12	1% HNO3, Lot L02030	100 mL	MS CALSTD-1_00060	0.25 mL	Arsenic	50 ug/L
							Barium	50 ug/L
							Beryllium	50 ug/L
							Cadmium	50 ug/L
							Chromium	50 ug/L
							Cobalt	50 ug/L
							Copper	50 ug/L
							Lead	50 ug/L
							Manganese	50 ug/L
							Nickel	50 ug/L
							Selenium	50 ug/L
							Silver	50 ug/L
							Thallium	50 ug/L
							Vanadium	50 ug/L
							Zinc	50 ug/L
					MS CALSTD-2_00060	0.25 mL	Antimony	50 ug/L
							Molybdenum	50 ug/L
.MS CALSTD-1_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS CALSTD-2_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
MS CCV_00548	04/11/12	04/10/12	1% HNO3, Lot L02030	100 mL	MS CALSTD-1_00060	0.25 mL	Arsenic	50 ug/L
							Barium	50 ug/L
							Beryllium	50 ug/L
							Cadmium	50 ug/L
							Chromium	50 ug/L
							Cobalt	50 ug/L
							Copper	50 ug/L
							Lead	50 ug/L
							Manganese	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nickel	50 ug/L
							Selenium	50 ug/L
							Silver	50 ug/L
							Thallium	50 ug/L
							Vanadium	50 ug/L
							Zinc	50 ug/L
					MS CALSTD-2_00060	0.25 mL	Antimony	50 ug/L
							Molybdenum	50 ug/L
.MS CALSTD-1_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS CALSTD-2_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
MS ICSA_00539	10/01/12	04/02/12	1% HNO3, Lot L02030	50 mL	MS ICSA STOCK_00010	5 mL	Molybdenum	2000 ug/L
.MS ICSA STOCK_00010	10/01/12	Inorganic Ventures, Lot E2-MEB371022			(Purchased Reagent)		Molybdenum	20 mg/L
MS ICSA_00542	04/13/12	04/09/12	1% HNO3, Lot L02030	50 mL	MS ICSA STOCK_00010	5 mL	Molybdenum	2000 ug/L
.MS ICSA STOCK_00010	10/01/12	Inorganic Ventures, Lot E2-MEB371022			(Purchased Reagent)		Molybdenum	20 mg/L
MS ICSAB_00546	04/03/12	04/02/12	1% HNO3, Lot L02030	10 mL	MS CALSTD-1_00060	0.05 mL	Arsenic	100 ug/L
							Barium	100 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Lead	100 ug/L
							Manganese	100 ug/L
							Nickel	100 ug/L
							Selenium	100 ug/L
							Silver	100 ug/L
							Thallium	100 ug/L
							U	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MS CALSTD-2_00060	0.05 mL	Antimony	100 ug/L
							Molybdenum	2100 ug/L
							Sn	100 ug/L
					MS ICSA STOCK_00010	1 mL	Molybdenum	2000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS CALSTD-1_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							U	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS CALSTD-2_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
							Sn	20 mg/L
.MS ICSA_STOCK_00010	10/01/12	Inorganic Ventures, Lot E2-MEB371022			(Purchased Reagent)		Molybdenum	20 mg/L
MS ICSAB_00550	04/11/12	04/10/12	1% HNO3, Lot L02030	10 mL	MS CALSTD-1_00060	0.05 mL	Arsenic	100 ug/L
							Barium	100 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Lead	100 ug/L
							Manganese	100 ug/L
							Nickel	100 ug/L
							Selenium	100 ug/L
							Silver	100 ug/L
							Thallium	100 ug/L
							U	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MS CALSTD-2_00060	0.05 mL	Antimony	100 ug/L
							Molybdenum	2100 ug/L
							Sn	100 ug/L
					MS ICSA_STOCK_00010	1 mL	Molybdenum	2100 ug/L
.MS CALSTD-1_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							U	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS CALSTD-2_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
							Sn	20 mg/L
.MS ICSA STOCK_00010	10/01/12	Inorganic Ventures, Lot E2-MEB371022			(Purchased Reagent)		Molybdenum	20 mg/L
MS ICV_00542	04/03/12	04/02/12	1% HNO3, Lot L02030	50 mL	MS ICV-A HP_00005	0.1 mL	Arsenic	40 ug/L
							Barium	40 ug/L
							Beryllium	40 ug/L
							Cadmium	40 ug/L
							Chromium	40 ug/L
							Cobalt	40 ug/L
							Copper	40 ug/L
							Lead	40 ug/L
							Manganese	40 ug/L
							Nickel	40 ug/L
							Selenium	40 ug/L
							Thallium	40 ug/L
							Vanadium	40 ug/L
							Zinc	40 ug/L
					MS ICV-B HP_00004	0.1 mL	Antimony	40 ug/L
							Molybdenum	40 ug/L
							Silver	40 ug/L
.MS ICV-A HP_00005	02/07/13	HIGH PURITY, Lot 1203716			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Thallium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS ICV-B HP_00004	02/07/13	HIGH PURITY, Lot 1203717			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
							Silver	20 mg/L
MS ICV_00546	04/11/12	04/10/12	1% HNO3, Lot L02030	50 mL	MS ICV-A HP_00005	0.1 mL	Arsenic	40 ug/L
							Barium	40 ug/L
							Beryllium	40 ug/L
							Cadmium	40 ug/L
							Chromium	40 ug/L
							Cobalt	40 ug/L

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Copper	40 ug/L
							Lead	40 ug/L
							Manganese	40 ug/L
							Nickel	40 ug/L
							Selenium	40 ug/L
							Thallium	40 ug/L
							Vanadium	40 ug/L
							Zinc	40 ug/L
					MS ICV-B HP_00004	0.1 mL	Antimony	40 ug/L
							Molybdenum	40 ug/L
							Silver	40 ug/L
.MS ICV-A HP_00005	02/07/13		HIGH PURITY, Lot 1203716		(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Thallium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
.MS ICV-B HP_00004	02/07/13		HIGH PURITY, Lot 1203717		(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
							Silver	20 mg/L
MS PDS Spike_00014	04/09/12	04/02/12	5% HNO3, Lot K23022	10 mL	MS PDS 1 IV_00005	5 mL	Antimony	10 mg/L
							Molybdenum	10 mg/L
					MS PDS 2 IV_00007	5 mL	Arsenic	10 mg/L
							Barium	10 mg/L
							Beryllium	10 mg/L
							Cadmium	10 mg/L
							Chromium	10 mg/L
							Cobalt	10 mg/L
							Copper	10 mg/L
							Lead	10 mg/L
							Manganese	10 mg/L
							Nickel	10 mg/L
							Selenium	10 mg/L
							Silver	2.5 mg/L
							Thallium	10 mg/L
							Vanadium	10 mg/L
							Zinc	10 mg/L
.MS PDS 1 IV_00005	01/12/13		Inorganic Ventures, Lot D2-MEB357105		(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
.MS PDS 2 IV_00007	10/01/12		Inorganic Ventures, Lot E2-MEB391126		(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	5 mg/L
							Thallium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
MS PDS Spike_00015	04/16/12	04/09/12	5% HNO3, Lot K23022	10 mL	MS PDS 1 IV_00005	5 mL	Antimony	10 mg/L
							Molybdenum	10 mg/L
					MS PDS 2 IV_00007	5 mL	Arsenic	10 mg/L
							Barium	10 mg/L
							Beryllium	10 mg/L
							Cadmium	10 mg/L
							Chromium	10 mg/L
							Cobalt	10 mg/L
							Copper	10 mg/L
							Lead	10 mg/L
							Manganese	10 mg/L
							Nickel	10 mg/L
							Selenium	10 mg/L
							Silver	2.5 mg/L
							Thallium	10 mg/L
							Vanadium	10 mg/L
							Zinc	10 mg/L
.MS PDS 1 IV_00005	01/12/13	Inorganic Ventures, Lot D2-MEB357105			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
.MS PDS 2 IV_00007	10/01/12	Inorganic Ventures, Lot E2-MEB391126			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	5 mg/L
							Thallium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
MS RL STD_00553	04/03/12	04/02/12	1% HNO3, Lot L02030	10 mL	MS CAL DAILY_00548	0.1 mL	Arsenic	1 ug/L
							Barium	1 ug/L
							Beryllium	1 ug/L
							Cadmium	1 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	1 ug/L
							Cobalt	1 ug/L
							Copper	1 ug/L
							Lead	1 ug/L
							Manganese	1 ug/L
							Nickel	1 ug/L
							Selenium	1 ug/L
							Silver	1 ug/L
							Thallium	1 ug/L
							Vanadium	1 ug/L
							Zinc	10 ug/L
							Antimony	1 ug/L
							Molybdenum	1 ug/L
					MS Sn/Zn Mix_00007	0.09 mL	Zinc	10 ug/L
.MS CAL DAILY_00548	04/03/12	04/02/12	5% HNO3, Lot L02030	100 mL	MS CALSTD-1_00060	0.5 mL	Arsenic	100 ug/L
							Barium	100 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Lead	100 ug/L
							Manganese	100 ug/L
							Nickel	100 ug/L
							Selenium	100 ug/L
							Silver	100 ug/L
							Thallium	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MS CALSTD-2_00060	0.5 mL	Antimony	100 ug/L
							Molybdenum	100 ug/L
..MS CALSTD-1_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L
..MS CALSTD-2_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
.MS Sn/Zn Mix_00007	03/28/13	03/28/12	5% HNO3, Lot L02030	50 mL	1000 Zn_00005	0.05 mL	Zinc	1 mg/L
..1000 Zn_00005	04/01/13	Inorganic Ventures, Lot F2-ZN2205			(Purchased Reagent)		Zinc	1000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MS RL STD_00557	04/11/12	04/10/12	1% HNO3, Lot L02030	10 mL	MS CAL DAILY_00552	0.1 mL	Arsenic	1 ug/L
							Barium	1 ug/L
							Beryllium	1 ug/L
							Cadmium	1 ug/L
							Chromium	1 ug/L
							Cobalt	1 ug/L
							Copper	1 ug/L
							Lead	1 ug/L
							Manganese	1 ug/L
							Nickel	1 ug/L
							Selenium	1 ug/L
							Silver	1 ug/L
							Thallium	1 ug/L
							Vanadium	1 ug/L
							Zinc	10 ug/L
							Antimony	1 ug/L
							Molybdenum	1 ug/L
					MS Sn/Zn Mix_00007	0.09 mL	Zinc	10 ug/L
.MS CAL DAILY_00552	04/11/12	04/10/12	5% HNO3, Lot L02030	100 mL	MS CALSTD-1_00060	0.5 mL	Arsenic	100 ug/L
							Barium	100 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Lead	100 ug/L
							Manganese	100 ug/L
							Nickel	100 ug/L
							Selenium	100 ug/L
							Silver	100 ug/L
							Thallium	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MS CALSTD-2_00060	0.5 mL	Antimony	100 ug/L
							Molybdenum	100 ug/L
..MS CALSTD-1_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394076			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	20 mg/L
							Beryllium	20 mg/L
							Cadmium	20 mg/L
							Chromium	20 mg/L
							Cobalt	20 mg/L
							Copper	20 mg/L
							Lead	20 mg/L
							Manganese	20 mg/L
							Nickel	20 mg/L
							Selenium	20 mg/L
							Silver	20 mg/L
							Thallium	20 mg/L
							Vanadium	20 mg/L
							Zinc	20 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS CALSTD-2_00060	12/01/12	Inorganic Ventures, Lot E2-MEB394077			(Purchased Reagent)		Antimony	20 mg/L
							Molybdenum	20 mg/L
.MS Sn/Zn Mix_00007	03/28/13	03/28/12	5% HNO3, Lot L02030	50 mL	1000 Zn_00005	0.05 mL	Zinc	1 mg/L
..1000 Zn_00005	04/01/13	Inorganic Ventures, Lot F2-ZN02075			(Purchased Reagent)		Zinc	1000 mg/L
MS-AP9-010_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	25 uL	Dimethoate	10 ug/mL
							Disulfoton	10 ug/mL
							Ethyl Parathion	10 ug/mL
							Methyl parathion	10 ug/mL
							o,o',o''-Triethylphosphorothioate	10 ug/mL
							Phorate	10 ug/mL
							Sulfotepp	10 ug/mL
							Thionazin	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							p-Phenylene diamine	10 ug/mL
							3,3'-Dimethylbenzidine	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,3,5-Trinitrobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1-Naphthylamine	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2-Acetylaminofluorene	10 ug/mL
							2-Naphthylamine	10 ug/mL
							2-Picoline	10 ug/mL
							2-Toluidine	10 ug/mL
							3-Methylcholanthrene	10 ug/mL
							4-Aminobiphenyl	10 ug/mL
							4-Nitroquinoline-1-oxide	10 ug/mL
							7,12-Dimethylbenz(a)anthracene	10 ug/mL
							Diphenylamine	10 ug/mL
							Ethyl methanesulfonate	10 ug/mL
							Hexachloropropene	10 ug/mL
							Methapyrilene	10 ug/mL
							Methyl methanesulfonate	10 ug/mL
							N-Nitro-o-toluidine	10 ug/mL
							N-Nitrosodi-n-butylamine	10 ug/mL
							N-Nitrosodiethylamine	10 ug/mL
							N-Nitrosomethylethylamine	10 ug/mL
							N-Nitrosomorpholine	10 ug/mL
							N-Nitrosopiperidine	10 ug/mL
							N-Nitrosopyrrolidine	10 ug/mL
							p-Dimethylamino azobenzene	10 ug/mL
							Pentachlorobenzene	10 ug/mL
							Pentachloroethane	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenacetin	10 ug/mL
							Safrole, Total	10 ug/mL
							1,4-Dinitrobenzene	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Naphthoquinone	10 ug/mL
							alpha,alpha-Dimethyl phenethylamine	10 ug/mL
							Chlorobenzilate	10 ug/mL
							Isodrin	10 ug/mL
							Pronamide	10 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylene diamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-020_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	50 uL	Dimethoate	20 ug/mL
							Disulfoton	20 ug/mL
							Ethyl Parathion	20 ug/mL
							Methyl parathion	20 ug/mL
							o,o',o''-Triethylphosphorothioate	20 ug/mL
							Phorate	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sulfotepp	20 ug/mL
							Thionazin	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							p-Phenylene diamine	20 ug/mL
							3,3'-Dimethylbenzidine	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,3,5-Trinitrobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1-Naphthylamine	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2-Acetylaminofluorene	20 ug/mL
							2-Naphthylamine	20 ug/mL
							2-Picoline	20 ug/mL
							2-Toluidine	20 ug/mL
							3-Methylcholanthrene	20 ug/mL
							4-Aminobiphenyl	20 ug/mL
							4-Nitroquinoline-1-oxide	20 ug/mL
							7,12-Dimethylbenz(a)anthracene	20 ug/mL
							Diphenylamine	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Hexachloropropene	20 ug/mL
							Methapyrilene	20 ug/mL
							Methyl methanesulfonate	20 ug/mL
							N-Nitro-o-toluidine	20 ug/mL
							N-Nitrosodi-n-butylamine	20 ug/mL
							N-Nitrosodiethylamine	20 ug/mL
							N-Nitrosomethylethylamine	20 ug/mL
							N-Nitrosomorpholine	20 ug/mL
							N-Nitrosopiperidine	20 ug/mL
							N-Nitrosopyrrolidine	20 ug/mL
							p-Dimethylamino azobenzene	20 ug/mL
							Pentachlorobenzene	20 ug/mL
							Pentachloroethane	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenacetin	20 ug/mL
							Safrole, Total	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1,4-Naphthoquinone	20 ug/mL
							alpha,alpha-Dimethyl phenethylamine	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Isodrin	20 ug/mL
							Pronamide	20 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylene diamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-050_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	125 uL	Dimethoate	50 ug/mL
							Disulfoton	50 ug/mL
							Ethyl Parathion	50 ug/mL
							Methyl parathion	50 ug/mL
							o,o',o''-Triethylphosphorothioate	50 ug/mL
							Phorate	50 ug/mL
							Sulfotepp	50 ug/mL
							Thionazin	50 ug/mL
							1,1'-Biphenyl	50 ug/mL
							p-Phenylene diamine	50 ug/mL
							3,3'-Dimethylbenzidine	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							1-Naphthylamine	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,6-Dichlorophenol	50 ug/mL
							2-Acetylaminofluorene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Naphthylamine	50 ug/mL
							2-Picoline	50 ug/mL
							2-Toluidine	50 ug/mL
							3-Methylcholanthrene	50 ug/mL
							4-Aminobiphenyl	50 ug/mL
							4-Nitroquinoline-1-oxide	50 ug/mL
							7,12-Dimethylbenz(a)anthracene	50 ug/mL
							Diphenylamine	50 ug/mL
							Ethyl methanesulfonate	50 ug/mL
							Hexachloropropene	50 ug/mL
							Methapyrilene	50 ug/mL
							Methyl methanesulfonate	50 ug/mL
							N-Nitro-o-toluidine	50 ug/mL
							N-Nitrosodi-n-butylamine	50 ug/mL
							N-Nitrosodiethylamine	50 ug/mL
							N-Nitrosomethylethylamine	50 ug/mL
							N-Nitrosomorpholine	50 ug/mL
							N-Nitrosopiperidine	50 ug/mL
							N-Nitrosopyrrolidine	50 ug/mL
							p-Dimethylamino azobenzene	50 ug/mL
							Pentachlorobenzene	50 ug/mL
							Pentachloroethane	50 ug/mL
							Pentachloronitrobenzene	50 ug/mL
							Phenacetin	50 ug/mL
							Safrole, Total	50 ug/mL
							1,4-Dinitrobenzene	50 ug/mL
							1,4-Naphthoquinone	50 ug/mL
							alpha,alpha-Dimethyl phenethylamine	50 ug/mL
							Chlorobenzilate	50 ug/mL
							Isodrin	50 ug/mL
							Pronamide	50 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylene diamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha,alpha-Dimethyl phenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14	Supelco, Lot LB82352			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-080_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	200 uL	Dimethoate	80 ug/mL
							Disulfoton	80 ug/mL
							Ethyl Parathion	80 ug/mL
							Methyl parathion	80 ug/mL
							o,o',o''-Triethylphosphorothioate	80 ug/mL
							Phorate	80 ug/mL
							Sulfotepp	80 ug/mL
							Thionazin	80 ug/mL
							1,1'-Biphenyl	80 ug/mL
							p-Phenylene diamine	80 ug/mL
							3,3'-Dimethylbenzidine	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,3,5-Trinitrobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1-Naphthylamine	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
							2-Acetylaminofluorene	80 ug/mL
							2-Naphthylamine	80 ug/mL
							2-Picoline	80 ug/mL
							2-Toluidine	80 ug/mL
							3-Methylcholanthrene	80 ug/mL
							4-Aminobiphenyl	80 ug/mL
							4-Nitroquinoline-1-oxide	80 ug/mL
							7,12-Dimethylbenz(a)anthracene	80 ug/mL
							Diphenylamine	80 ug/mL
							Ethyl methanesulfonate	80 ug/mL
							Hexachloropropene	80 ug/mL
							Methapyrilene	80 ug/mL
							Methyl methanesulfonate	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	80 ug/mL
							N-Nitrosodi-n-butylamine	80 ug/mL
							N-Nitrosodiethylamine	80 ug/mL
							N-Nitrosomethylethylamine	80 ug/mL
							N-Nitrosomorpholine	80 ug/mL
							N-Nitrosopiperidine	80 ug/mL
							N-Nitrosopyrrolidine	80 ug/mL
							p-Dimethylamino azobenzene	80 ug/mL
							Pentachlorobenzene	80 ug/mL
							Pentachloroethane	80 ug/mL
							Pentachloronitrobenzene	80 ug/mL
							Phenacetin	80 ug/mL
							Safrole, Total	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1,4-Naphthoquinone	80 ug/mL
							alpha,alpha-Dimethyl phenethylamine	80 ug/mL
							Chlorobenzilate	80 ug/mL
							Isodrin	80 ug/mL
							Pronamide	80 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylene diamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-120_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	300 uL	Dimethoate	120 ug/mL
							Disulfoton	120 ug/mL
							Ethyl Parathion	120 ug/mL
							Methyl parathion	120 ug/mL
							o,o',o''-Triethylphosphorothioate	120 ug/mL
							Phorate	120 ug/mL
							Sulfotepp	120 ug/mL
							Thionazin	120 ug/mL
							1,1'-Biphenyl	120 ug/mL
							p-Phenylene diamine	120 ug/mL
							3,3'-Dimethylbenzidine	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,3,5-Trinitrobenzene	120 ug/mL
							1,3-Dinitrobenzene	120 ug/mL
							1-Naphthylamine	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,6-Dichlorophenol	120 ug/mL
							2-Acetylaminofluorene	120 ug/mL
							2-Naphthylamine	120 ug/mL
							2-Picoline	120 ug/mL
							2-Toluidine	120 ug/mL
							3-Methylcholanthrene	120 ug/mL
							4-Aminobiphenyl	120 ug/mL
							4-Nitroquinoline-1-oxide	120 ug/mL
							7,12-Dimethylbenz(a)anthracene	120 ug/mL
							Diphenylamine	120 ug/mL
							Ethyl methanesulfonate	120 ug/mL
							Hexachloropropene	120 ug/mL
							Methapyrilene	120 ug/mL
							Methyl methanesulfonate	120 ug/mL
							N-Nitro-o-toluidine	120 ug/mL
							N-Nitrosodi-n-butylamine	120 ug/mL
							N-Nitrosodiethylamine	120 ug/mL
							N-Nitrosomethylethylamine	120 ug/mL
							N-Nitrosomorpholine	120 ug/mL
							N-Nitrosopiperidine	120 ug/mL
							N-Nitrosopyrrolidine	120 ug/mL
							p-Dimethylamino azobenzene	120 ug/mL
							Pentachlorobenzene	120 ug/mL
							Pentachloroethane	120 ug/mL
							Pentachloronitrobenzene	120 ug/mL
							Phenacetin	120 ug/mL
							Safrole, Total	120 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dinitrobenzene	120 ug/mL
							1,4-Naphthoquinone	120 ug/mL
							alpha,alpha-Dimethyl phenethylamine	120 ug/mL
							Chlorobenzilate	120 ug/mL
							Isodrin	120 ug/mL
							Pronamide	120 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylene diamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-160_00019	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	400 uL	Dimethoate	160 ug/mL
							Disulfoton	160 ug/mL
							Ethyl Parathion	160 ug/mL
							Methyl parathion	160 ug/mL
							o,o',o''-Triethylphosphorothioate	160 ug/mL
							Phorate	160 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sulfotepp	160 ug/mL
							Thionazin	160 ug/mL
							1,1'-Biphenyl	160 ug/mL
							p-Phenylene diamine	160 ug/mL
							3,3'-Dimethylbenzidine	160 ug/mL
							1,2,4,5-Tetrachlorobenzene	160 ug/mL
							1,3,5-Trinitrobenzene	160 ug/mL
							1,3-Dinitrobenzene	160 ug/mL
							1-Naphthylamine	160 ug/mL
							2,3,4,6-Tetrachlorophenol	160 ug/mL
							2,6-Dichlorophenol	160 ug/mL
							2-Acetylaminofluorene	160 ug/mL
							2-Naphthylamine	160 ug/mL
							2-Picoline	160 ug/mL
							2-Toluidine	160 ug/mL
							3-Methylcholanthrene	160 ug/mL
							4-Aminobiphenyl	160 ug/mL
							4-Nitroquinoline-1-oxide	160 ug/mL
							7,12-Dimethylbenz(a)anthracene	160 ug/mL
							Diphenylamine	160 ug/mL
							Ethyl methanesulfonate	160 ug/mL
							Hexachloropropene	160 ug/mL
							Methapyrilene	160 ug/mL
							Methyl methanesulfonate	160 ug/mL
							N-Nitro-o-toluidine	160 ug/mL
							N-Nitrosodi-n-butylamine	160 ug/mL
							N-Nitrosodiethylamine	160 ug/mL
							N-Nitrosomethylethylamine	160 ug/mL
							N-Nitrosomorpholine	160 ug/mL
							N-Nitrosopiperidine	160 ug/mL
							N-Nitrosopyrrolidine	160 ug/mL
							p-Dimethylamino azobenzene	160 ug/mL
							Pentachlorobenzene	160 ug/mL
							Pentachloroethane	160 ug/mL
							Pentachloronitrobenzene	160 ug/mL
							Phenacetin	160 ug/mL
							Safrole, Total	160 ug/mL
							1,4-Dinitrobenzene	160 ug/mL
							1,4-Naphthoquinone	160 ug/mL
							alpha,alpha-Dimethyl phenethylamine	160 ug/mL
							Chlorobenzilate	160 ug/mL
							Isodrin	160 ug/mL
							Pronamide	160 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylene diamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							1,4-Naphthoquinone	2000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Isodrin	2000 ug/mL
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9-200_00018	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9CAL STK_00011	500 uL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
							1,1'-Biphenyl	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9CAL STK_00011	11/30/12	02/15/12	Methylene Chloride, Lot K29S12	10 mL	MS-46704-U_00009	1 mL	Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-48161_00009	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-48298_00001	1 mL	p-Phenylene diamine	200 ug/mL
					MS-48467_00015	1 mL	3,3'-Dimethylbenzidine	200 ug/mL
					MS-506567_00015	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-506567_00016	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Diphenylamine	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Methapyrilene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Safrole, Total	200 ug/mL
					MS-861141_00009	1 mL	1,4-Dinitrobenzene	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Isodrin	200 ug/mL
							Pronamide	200 ug/mL
..MS-46704-U_00009	10/31/13		Supelco, Lot LB79511		(Purchased Reagent)		Dimethoate	2000 ug/mL
							Disulfoton	2000 ug/mL
							Ethyl Parathion	2000 ug/mL
							Methyl parathion	2000 ug/mL
							o,o',o''-Triethylphosphorothioate	2000 ug/mL
							Phorate	2000 ug/mL
							Sulfotepp	2000 ug/mL
							Thionazin	2000 ug/mL
..MS-48161_00009	03/31/14		Supelco, Lot LB82887		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-48298_00001	02/28/14		Supelco, Lot LB83615		(Purchased Reagent)		p-Phenylene diamine	2000 ug/mL
..MS-48467_00015	09/30/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dimethylbenzidine	2000 ug/mL
..MS-506567_00015	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-506567_00016	11/30/12		Supelco, Lot LB86659		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3-Methylcholanthrene	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Diphenylamine	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Methapyrilene	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Safrole, Total	1000 ug/mL
..MS-861141_00009	07/31/13		Supelco, Lot LB85420		(Purchased Reagent)		1,4-Dinitrobenzene	2000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	2000 ug/mL
							Chlorobenzilate	2000 ug/mL
							Isodrin	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14	Supelco, Lot LB82352			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9SSV1_00023	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9SSV1STK_00007	250 uL	1,1'-Biphenyl	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							Aramite, Total	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
.MS-AP9SSV1STK_00007	06/30/12	04/11/12	Methylene Chloride, Lot K41S03	10 mL	MS-565836_00001	1 mL	1,1'-Biphenyl	200 ug/mL
					MS-M8270-02_00010	1 mL	2,6-Dichlorophenol	200 ug/mL
					MS-M8270-03_00010	1 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
					MS-M8270-07_00011	1 mL	Aramite, Total	200 ug/mL
					MS-M8270-08_00010	1 mL	N-Nitrosopyrrolidine	200 ug/mL
..MS-565836_00001	06/30/12	Restek, Lot A078659			(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
..MS-M8270-02_00010	04/08/13	AccuStandard, Lot 211041086			(Purchased Reagent)		2,6-Dichlorophenol	2000 ug/mL
..MS-M8270-03_00010	10/12/13	AccuStandard, Lot 210031389-02			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	2000 ug/mL
							2,3,4,6-Tetrachlorophenol	2000 ug/mL
..MS-M8270-07_00011	08/21/12	AccuStandard, Lot 211101291-01			(Purchased Reagent)		Aramite, Total	2000 ug/mL
..MS-M8270-08_00010	01/31/13	AccuStandard, Lot 2120113678			(Purchased Reagent)		N-Nitrosopyrrolidine	2000 ug/mL
MS-AP9SSV2_00019	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-AP9SSV2STK_00005	250 uL	Isosafrole	100 ug/mL
.MS-AP9SSV2STK_00005	06/30/12	12/30/11	Methylene Chloride, Lot K29S03	10 mL	MS-31806_00008	1 mL	Isosafrole	200 ug/mL
					MS-31806_00009	1 mL	Isosafrole	200 ug/mL
..MS-31806_00008	03/31/13	Restek, Lot A083869			(Purchased Reagent)		Isosafrole	1000 ug/mL
..MS-31806_00009	03/31/13	Restek, Lot A083869			(Purchased Reagent)		Isosafrole	1000 ug/mL
MS-BENZSSV100_00015	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-BENZSSVSTK_00005	250 uL	3,3'-Dichlorobenzidine	100 ug/mL
							Benzidine	100 ug/mL
.MS-BENZSSVSTK_00005	10/13/12	10/13/11	Methylene Chloride, Lot K07S03	10 mL	MS-48467_00012	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
..MS-48467_00012	09/30/13	Supelco, Lot LB79050			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MS-BZHDSSV100_00010	06/22/12	03/15/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-BZHDSSV200_00003	250 uL	Benzaldehyde	100.002 ug/mL
.MS-BZHDSSV200_00003	09/22/12	09/22/11	Methylene Chloride, Lot K07S03	10 mL	MS-BZHD-HI_00002	106.41 uL	Benzaldehyde	200.003 ug/mL
..MS-BZHD-HI_00002	09/22/12	09/22/11	Methylene Chloride, Lot K07S03	10 mL	MS-B1334-2G_00001	0.1889 g	Benzaldehyde	18795.5 ug/mL
...MS-B1334-2G_00001	08/01/13	Aldrich, Lot MKBF4834V			(Purchased Reagent)		Benzaldehyde	0.995 mL/mL
MS-HSL004_00017	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-HSLCAL STK_00014	10 uL	2,4,6-Tribromophenol (Surr)	6 ug/mL
							2-Fluorobiphenyl	4 ug/mL
							2-Fluorophenol (Surr)	6 ug/mL
							Nitrobenzene-d5 (Surr)	4 ug/mL
							Phenol-d5 (Surr)	6 ug/mL
							Terphenyl-d14 (Surr)	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Benzidine	4 ug/mL
							1,2,4-Trichlorobenzene	4 ug/mL
							1,2-Dichlorobenzene	4 ug/mL
							1,2-Diphenylhydrazine	4.0439 ug/mL
							1,3-Dichlorobenzene	4 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1-Methylnaphthalene	4 ug/mL
							2,2'-oxybis[1-chloropropane]	4 ug/mL
							2,4,5-Trichlorophenol	4 ug/mL
							2,4,6-Trichlorophenol	4 ug/mL
							2,4-Dichlorophenol	4 ug/mL
							2,4-Dimethylphenol	4 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4 ug/mL
							2-Chlorophenol	4 ug/mL
							2-Methylnaphthalene	4 ug/mL
							2-Methylphenol	4 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	4 ug/mL
							3 & 4 Methylphenol	4 ug/mL
							3-Nitroaniline	4 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	4 ug/mL
							4-Chloro-3-methylphenol	4 ug/mL
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4 ug/mL
							4-Methylphenol	4 ug/mL
							4-Nitroaniline	4 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	4 ug/mL
							Acenaphthylene	4 ug/mL
							Aniline	4 ug/mL
							Anthracene	4 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	4 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	4 ug/mL
							Benzo[k]fluoranthene	4 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4 ug/mL
							Bis(2-chloroethyl)ether	4 ug/mL
							Bis(2-ethylhexyl) phthalate	4 ug/mL
							Butyl benzyl phthalate	4 ug/mL
							Carbazole	4 ug/mL
							Chrysene	4 ug/mL
							Di-n-butyl phthalate	4 ug/mL
							Di-n-octyl phthalate	4 ug/mL
							Dibenz(a,h)anthracene	4 ug/mL
							Dibenzofuran	4 ug/mL
							Diethyl phthalate	4 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4 ug/mL
							Fluorene	4 ug/mL
							Hexachlorobenzene	4 ug/mL
							Hexachlorobutadiene	4 ug/mL
							Hexachlorocyclopentadiene	4 ug/mL
							Hexachloroethane	4 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4 ug/mL
							N-Nitrosodi-n-propylamine	4 ug/mL
							N-Nitrosodimethylamine	4 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
							Naphthalene	4 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	4 ug/mL
							Phenol	4 ug/mL
							Pyrene	4 ug/mL
							Pyridine	4 ug/mL
							1,4-Dioxane	4 ug/mL
							Benzoic acid	4 ug/mL
							Benzaldehyde	4 ug/mL
							Acetophenone	4 ug/mL
							Atrazine	4 ug/mL
							Caprolactam	4 ug/mL
							Famphur	4 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-HSLCAL STK_00014	01/30/13	04/10/12	Methylene Chloride, Lot K41S03	10 mL	8270SurrStock_00048	2 mL	2,4,6-Tribromophenol (Surr)	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	300 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	300 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-31834_00012	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00023	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00019	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00013	1 mL	Benzoic acid	200 ug/mL
					MS-33017_00005	1 mL	Benzaldehyde	200 ug/mL
					MS-566397_00001	1 mL	Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol (Surr)	1500 ug/mL
							Nitrobenzene-d5 (Surr)	1000 ug/mL
							Phenol-d5 (Surr)	1500 ug/mL
							Terphenyl-d14 (Surr)	1000 ug/mL
..MS-31834_00012	01/31/20		Restek, Lot A085672		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00023	08/31/13		Restek, Lot A086440		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00019	02/28/17		Restek, Lot A086867		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00013	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-33017_00005	02/28/14		Restek, Lot A086487		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL010_00017	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-HSLCAL STK_00014	25 uL	2,4,6-Tribromophenol (Surr)	15 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	15 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10.1097 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							1,4-Dioxane	10 ug/mL
							Benzoic acid	10 ug/mL
							Benzaldehyde	10 ug/mL
							Acetophenone	10 ug/mL
							Atrazine	10 ug/mL
							Caprolactam	10 ug/mL
							Famphur	10 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00014	01/30/13	04/10/12	Methylene Chloride, Lot K41S03	10 mL	8270SurrStock_00048	2 mL	2,4,6-Tribromophenol (Surr)	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	300 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	300 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-31834_00012	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00023	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00019	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00013	1 mL	Benzoic acid	200 ug/mL
					MS-33017_00005	1 mL	Benzaldehyde	200 ug/mL
					MS-566397_00001	1 mL	Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol (Surr)	1500 ug/mL
							Nitrobenzene-d5 (Surr)	1000 ug/mL
							Phenol-d5 (Surr)	1500 ug/mL
							Terphenyl-d14 (Surr)	1000 ug/mL
..MS-31834_00012	01/31/20		Restek, Lot A085672		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00023	08/31/13		Restek, Lot A086440		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00019	02/28/17		Restek, Lot A086867		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00013	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-33017_00005	02/28/14		Restek, Lot A086487		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL020_00017	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-HSLCAL STK_00014	50 uL	2,4,6-Tribromophenol (Surr)	30 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	30 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	30 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20.2195 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							1,4-Dioxane	20 ug/mL
							Benzoic acid	20 ug/mL
							Benzaldehyde	20 ug/mL
							Acetophenone	20 ug/mL
							Atrazine	20 ug/mL
							Caprolactam	20 ug/mL
							Famphur	20 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00014	01/30/13	04/10/12	Methylene Chloride, Lot K41S03	10 mL	8270SurrStock_00048	2 mL	2,4,6-Tribromophenol (Surr)	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	300 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	300 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-31834_00012	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00023	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00019	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00013	1 mL	Benzoic acid	200 ug/mL
					MS-33017_00005	1 mL	Benzaldehyde	200 ug/mL
					MS-566397_00001	1 mL	Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol (Surr)	1500 ug/mL
							Nitrobenzene-d5 (Surr)	1000 ug/mL
							Phenol-d5 (Surr)	1500 ug/mL
							Terphenyl-d14 (Surr)	1000 ug/mL
..MS-31834_00012	01/31/20		Restek, Lot A085672		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00023	08/31/13		Restek, Lot A086440		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00019	02/28/17		Restek, Lot A086867		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00013	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-33017_00005	02/28/14		Restek, Lot A086487		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL050_00017	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-HSLCAL STK_00014	125 uL	2,4,6-Tribromophenol (Surr)	75 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol (Surr)	75 ug/mL
							Nitrobenzene-d5 (Surr)	50 ug/mL
							Phenol-d5 (Surr)	75 ug/mL
							Terphenyl-d14 (Surr)	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50.5487 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	50 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	50 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodimethylamine	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	50 ug/mL
							1,4-Dioxane	50 ug/mL
							Benzoic acid	50 ug/mL
							Benzaldehyde	50 ug/mL
							Acetophenone	50 ug/mL
							Atrazine	50 ug/mL
							Caprolactam	50 ug/mL
							Famphur	50 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00014	01/30/13	04/10/12	Methylene Chloride, Lot K41S03	10 mL	8270SurrStock_00048	2 mL	2,4,6-Tribromophenol (Surr)	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	300 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	300 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-31834_00012	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00023	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00019	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00013	1 mL	Benzoic acid	200 ug/mL
					MS-33017_00005	1 mL	Benzaldehyde	200 ug/mL
					MS-566397_00001	1 mL	Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol (Surr)	1500 ug/mL
							Nitrobenzene-d5 (Surr)	1000 ug/mL
							Phenol-d5 (Surr)	1500 ug/mL
							Terphenyl-d14 (Surr)	1000 ug/mL
..MS-31834_00012	01/31/20		Restek, Lot A085672		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00023	08/31/13		Restek, Lot A086440		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00019	02/28/17		Restek, Lot A086867		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00013	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-33017_00005	02/28/14		Restek, Lot A086487		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14	Supelco, Lot LB82352			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL080_00017	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-HSLCAL STK_00014	200 uL	2,4,6-Tribromophenol (Surr)	120 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	120 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	120 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Benzidine	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
							1,4-Dioxane	80 ug/mL
							Benzoic acid	80 ug/mL
							Benzaldehyde	80 ug/mL
							Acetophenone	80 ug/mL
							Atrazine	80 ug/mL
							Caprolactam	80 ug/mL
							Famphur	80 ug/mL
					280-152203	50 uL	1,4-Dichlorobenzene-d4	4000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00014	01/30/13	04/10/12	Methylene Chloride, Lot K41S03	10 mL	8270SurrStock_00048	2 mL	2,4,6-Tribromophenol (Surr)	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	300 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	300 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-31834_00012	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00023	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00019	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00013	1 mL	Benzoic acid	200 ug/mL
					MS-33017_00005	1 mL	Benzaldehyde	200 ug/mL
					MS-566397_00001	1 mL	Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol (Surr)	1500 ug/mL
							Nitrobenzene-d5 (Surr)	1000 ug/mL
							Phenol-d5 (Surr)	1500 ug/mL
							Terphenyl-d14 (Surr)	1000 ug/mL
..MS-31834_00012	01/31/20		Restek, Lot A085672		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00023	08/31/13		Restek, Lot A086440		(Purchased Reagent)		1,2,4-Trichlorobenzene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00019	02/28/17		Restek, Lot A086867		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00013	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-33017_00005	02/28/14		Restek, Lot A086487		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL120_00017	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-HSLCAL STK_00014	300 uL	2,4,6-Tribromophenol (Surr)	180 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol (Surr)	180 ug/mL
							Nitrobenzene-d5 (Surr)	120 ug/mL
							Phenol-d5 (Surr)	180 ug/mL
							Terphenyl-d14 (Surr)	120 ug/mL
							3,3'-Dichlorobenzidine	120 ug/mL
							Benzidine	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	121.317 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,2'-oxybis[1-chloropropane]	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	120 ug/mL
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	120 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	120 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL
							Aniline	120 ug/mL
							Anthracene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL
							Isophorone	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	120 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL
							Pyridine	120 ug/mL
							1,4-Dioxane	120 ug/mL
							Benzoic acid	120 ug/mL
							Benzaldehyde	120 ug/mL
							Acetophenone	120 ug/mL
							Atrazine	120 ug/mL
							Caprolactam	120 ug/mL
							Famphur	120 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00014	01/30/13	04/10/12	Methylene Chloride, Lot K41S03	10 mL	8270SurrStock_00048	2 mL	2,4,6-Tribromophenol (Surr)	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	300 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	300 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-31834_00012	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00023	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00019	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00013	1 mL	Benzoic acid	200 ug/mL
					MS-33017_00005	1 mL	Benzaldehyde	200 ug/mL
					MS-566397_00001	1 mL	Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol (Surr)	1500 ug/mL
							Nitrobenzene-d5 (Surr)	1000 ug/mL
							Phenol-d5 (Surr)	1500 ug/mL
							Terphenyl-d14 (Surr)	1000 ug/mL
..MS-31834_00012	01/31/20		Restek, Lot A085672		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00023	08/31/13		Restek, Lot A086440		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00019	02/28/17		Restek, Lot A086867		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00013	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-33017_00005	02/28/14		Restek, Lot A086487		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14	Supelco, Lot LB82352			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL160_00017	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-HSLCAL STK_00014	400 uL	2,4,6-Tribromophenol (Surr)	240 ug/mL
							2-Fluorobiphenyl	160 ug/mL
							2-Fluorophenol (Surr)	240 ug/mL
							Nitrobenzene-d5 (Surr)	160 ug/mL
							Phenol-d5 (Surr)	240 ug/mL
							Terphenyl-d14 (Surr)	160 ug/mL
							3,3'-Dichlorobenzidine	160 ug/mL
							Benzidine	160 ug/mL
							1,2,4-Trichlorobenzene	160 ug/mL
							1,2-Dichlorobenzene	160 ug/mL
							1,2-Diphenylhydrazine	161.756 ug/mL
							1,3-Dichlorobenzene	160 ug/mL
							1,4-Dichlorobenzene	160 ug/mL
							1-Methylnaphthalene	160 ug/mL
							2,2'-oxybis[1-chloropropane]	160 ug/mL
							2,4,5-Trichlorophenol	160 ug/mL
							2,4,6-Trichlorophenol	160 ug/mL
							2,4-Dichlorophenol	160 ug/mL
							2,4-Dimethylphenol	160 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	160 ug/mL
							2,6-Dinitrotoluene	160 ug/mL
							2-Chloronaphthalene	160 ug/mL
							2-Chlorophenol	160 ug/mL
							2-Methylnaphthalene	160 ug/mL
							2-Methylphenol	160 ug/mL
							2-Nitroaniline	160 ug/mL
							2-Nitrophenol	160 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3-Nitroaniline	160 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	160 ug/mL
							4-Chloro-3-methylphenol	160 ug/mL
							4-Chloroaniline	160 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	160 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	160 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	160 ug/mL
							Acenaphthylene	160 ug/mL
							Aniline	160 ug/mL
							Anthracene	160 ug/mL
							Benzo[a]anthracene	160 ug/mL
							Benzo[a]pyrene	160 ug/mL
							Benzo[b]fluoranthene	160 ug/mL
							Benzo[g,h,i]perylene	160 ug/mL
							Benzo[k]fluoranthene	160 ug/mL
							Benzyl alcohol	160 ug/mL
							Bis(2-chloroethoxy)methane	160 ug/mL
							Bis(2-chloroethyl)ether	160 ug/mL
							Bis(2-ethylhexyl) phthalate	160 ug/mL
							Butyl benzyl phthalate	160 ug/mL
							Carbazole	160 ug/mL
							Chrysene	160 ug/mL
							Di-n-butyl phthalate	160 ug/mL
							Di-n-octyl phthalate	160 ug/mL
							Dibenz(a,h)anthracene	160 ug/mL
							Dibenzofuran	160 ug/mL
							Diethyl phthalate	160 ug/mL
							Dimethyl phthalate	160 ug/mL
							Fluoranthene	160 ug/mL
							Fluorene	160 ug/mL
							Hexachlorobenzene	160 ug/mL
							Hexachlorobutadiene	160 ug/mL
							Hexachlorocyclopentadiene	160 ug/mL
							Hexachloroethane	160 ug/mL
							Indeno[1,2,3-cd]pyrene	160 ug/mL
							Isophorone	160 ug/mL
							N-Nitrosodi-n-propylamine	160 ug/mL
							N-Nitrosodimethylamine	160 ug/mL
							N-Nitrosodiphenylamine	160 ug/mL
							Naphthalene	160 ug/mL
							Nitrobenzene	160 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	160 ug/mL
							Phenol	160 ug/mL
							Pyrene	160 ug/mL
							Pyridine	160 ug/mL
							1,4-Dioxane	160 ug/mL
							Benzoic acid	160 ug/mL
							Benzaldehyde	160 ug/mL
							Acetophenone	160 ug/mL
							Atrazine	160 ug/mL
							Caprolactam	160 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Famphur	160 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00014	01/30/13	04/10/12	Methylene Chloride, Lot K41S03	10 mL	8270SurrStock_00048	2 mL	2,4,6-Tribromophenol (Surr)	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	300 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	300 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-31834_00012	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00023	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00019	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00013	1 mL	Benzoic acid	200 ug/mL
					MS-33017_00005	1 mL	Benzaldehyde	200 ug/mL
					MS-566397_00001	1 mL	Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
							Famphur	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol (Surr)	1500 ug/mL
							Nitrobenzene-d5 (Surr)	1000 ug/mL
							Phenol-d5 (Surr)	1500 ug/mL
							Terphenyl-d14 (Surr)	1000 ug/mL
..MS-31834_00012	01/31/20		Restek, Lot A085672		(Purchased Reagent)		3,3'-Dichlorobenzidine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	2000 ug/mL
..MS-31850_00023	08/31/13		Restek, Lot A086440		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00019	02/28/17		Restek, Lot A086867		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00013	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-33017_00005	02/28/14		Restek, Lot A086487		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
							Famphur	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSL200_00017	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-HSLCAL STK_00014	500 uL	2,4,6-Tribromophenol (Surr)	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	300 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	300 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
							1,4-Dioxane	200 ug/mL
							Benzoic acid	200 ug/mL
							Benzaldehyde	200 ug/mL
							Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-IS_00003	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLCAL STK_00014	01/30/13	04/10/12	Methylene Chloride, Lot K41S03	10 mL	8270SurrStock_00048	2 mL	2,4,6-Tribromophenol (Surr)	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	300 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	300 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-31834_00012	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MS-31850_00023	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-31853_00019	1 mL	1,4-Dioxane	200 ug/mL
					MS-31879_00013	1 mL	Benzoic acid	200 ug/mL
					MS-33017_00005	1 mL	Benzaldehyde	200 ug/mL
					MS-566397_00001	1 mL	Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
..8270SurrStock_00048	03/31/14		Supelco, Lot LB83718		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol (Surr)	1500 ug/mL
							Nitrobenzene-d5 (Surr)	1000 ug/mL
							Phenol-d5 (Surr)	1500 ug/mL
							Terphenyl-d14 (Surr)	1000 ug/mL
..MS-31834_00012	01/31/20		Restek, Lot A085672		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MS-31850_00023	08/31/13		Restek, Lot A086440		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-31853_00019	02/28/17		Restek, Lot A086867		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..MS-31879_00013	01/31/16		Restek, Lot A086070		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-33017_00005	02/28/14		Restek, Lot A086487		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
..MS-566397_00001	01/31/13		Restek, Lot A083160		(Purchased Reagent)		Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
.MS-IS_00003	06/22/12	06/22/11	Methylene Chloride, Lot K01S10	375 mL	MS-46866-U_00007	75 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..MS-46866-U_00007	02/28/14	Supelco, Lot LB82352			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLSSV080_00030	06/22/12	04/16/12	Methylene Chloride, Lot K41S03	0.5 mL	MS-HSLSSV STK_00009	200 uL	Acetophenone	80 ug/mL
							Atrazine	80 ug/mL
							Caprolactam	80 ug/mL
							N-Nitrosodiphenylamine	68.3176 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Anthracene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Benzoic acid	80 ug/mL
							Benzyl alcohol	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
							2,4,6-Tribromophenol (Surr)	120 ug/mL
							2-Fluorophenol (Surr)	120 ug/mL
							Phenol-d5 (Surr)	120 ug/mL
.MS-HSLSSV STK_00009	12/31/12	03/15/12	Methylene Chloride, Lot K41S03	10 mL	MS-21495919_00001	1 mL	Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-40060_00004	0.4 mL	N-Nitrosodiphenylamine	170.794 ug/mL
					MS-506508_00008	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
					MS-861148_00005	1 mL	Benzoic acid	200 ug/mL
							Benzyl alcohol	200 ug/mL
					MS-ISM-280N_00003	2 mL	2-Fluorobiphenyl	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-ISM-290N_00004	1.5 mL	2,4,6-Tribromophenol (Surr)	300 ug/mL
							2-Fluorophenol (Surr)	300 ug/mL
							Phenol-d5 (Surr)	300 ug/mL
..MS-21495919_00001	03/14/14		Supelco, Lot LB90738		(Purchased Reagent)		Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-40060_00004	02/28/13		Supelco, Lot LB73722		(Purchased Reagent)		N-Nitrosodiphenylamine	4269.85 ug/mL
..MS-506508_00008	09/30/14		Supelco, Lot LB87087		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..MS-861148_00005	11/30/14		Supelco, Lot LB88725		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Benzyl alcohol	2000 ug/mL
..MS-ISM-280N_00003	02/28/14		Ultra, Lot CH-0184		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5 (Surr)	1000 ug/mL
							Terphenyl-d14 (Surr)	1000 ug/mL
..MS-ISM-290N_00004	12/31/12		Ultra, Lot CC-2529Z		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	2000 ug/mL
							2-Fluorophenol (Surr)	2000 ug/mL
							Phenol-d5 (Surr)	2000 ug/mL
MV-2 Cleve_00011	05/08/12	12/16/11	P&T Methanol, Lot DE977	10 mL	MV-861206_00014	200 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-861206_00014	03/31/13		Supelco, Lot LB74679		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-524 A_00013	05/17/12	11/17/11	Methanol, Lot de997	10 mL	MV-DWM589N_00032	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-EPA1208_00024	400 uL	1-Chlorohexane	40 ug/mL
					MV-STS440_00032	200 uL	Methyl tert-butyl ether	40 ug/mL
.MV-DWM589N_00032	12/31/13		Ultra Scientific, Lot CG-3928		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	2000 ug/mL
.MV-EPA1208_00024	10/31/12	Ultra Scientific, Lot CF-3752			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
.MV-STS440_00032	01/31/15	Ultra, Lot cc-4444			(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
MV-524 A_00014	09/30/12	03/14/12	Methanol, Lot df233	10 mL	MV-DWM589N_00041	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-EPA1208_00027	400 uL	1-Chlorohexane	40 ug/mL
					MV-STS440_00035	200 uL	Methyl tert-butyl ether	40 ug/mL
.MV-DWM589N_00041	12/31/13	Ultra Scientific, Lot CG-3928			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-EPA1208_00027	10/31/12		Ultra Scientific, Lot CF-3752		(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
.MV-STS440_00035	01/31/15		Ultra, Lot cc-4444		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
MV-624 A_00014	05/02/12	12/14/11	Methanol, Lot De997	10 mL	MV-30218_00011	200 uL	Carbon disulfide	40 ug/mL
.MV-30218_00011	08/30/16		Restek, Lot A083318		(Purchased Reagent)		Carbon disulfide	2000 ug/mL
MV-624 A_00015	06/14/12	12/14/11	Methanol, Lot DF233	10 mL	MV-30218_00012	200 uL	Carbon disulfide	40 ug/mL
.MV-30218_00012	08/30/16		Restek, Lot A083318		(Purchased Reagent)		Carbon disulfide	2000 ug/mL
MV-Archon IS_00473	08/23/12		Supelco, Lot LB80013		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon IS_00477	08/23/12		Supelco, Lot LB80013		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon IS_00482	09/07/12		Supelco, Lot LB80013		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon IS_00487	09/19/12		Supelco, Lot LB80013		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon IS_00490	12/31/14		Supelco, Lot LB88967		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon SS_00589	08/14/12		Restek, Lot A081609		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Archon SS_00595	08/24/12		Restek, Lot A081609		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Archon SS_00602	09/14/12		Restek, Lot A081609		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Archon SS_00617	10/06/12		Restek, Lot A081609		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Main GasKe_00026	06/22/12	01/31/12	P&T Methanol, Lot de997	10 mL	MV- Acrolein_00010	100 uL	Acrolein	397.818 ug/mL
					MV-5M06036_00034	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00060	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
					MV-861149_00061	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
.MV- Acrolein_00010	06/22/12	12/22/11	P&T Methanol, Lot De997	5 mL	MV-48501_00005	0.2038 g	Acrolein	39781.8 ug/mL
..MV-48501_00005	06/30/12		Supelco, Lot LB85669v		(Purchased Reagent)		Acrolein	0.976 mL/mL
.MV-5M06036_00034	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00060	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
.MV-861149_00061	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
MV-Main GasKe_00027	06/22/12	03/09/12	P&T Methanol, Lot de997	10 mL	MV- Acrolein_00010	100 uL	Acrolein	397.818 ug/mL
					MV-5M06036_00031	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00056	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
					MV-861149_00057	400 uL	2-Butanone (MEK)	160 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
.MV- Acrolein_00010	06/22/12	12/22/11	P&T Methanol, Lot De997	5 mL	MV-48501_00005	0.2038 g	Acrolein	39781.8 ug/mL
..MV-48501_00005	06/30/12		Supelco, Lot LB85669v		(Purchased Reagent)		Acrolein	0.976 mL/mL
.MV-5M06036_00031	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00056	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
.MV-861149_00057	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
MV-Main_00022	03/31/12	01/25/12	P&T Methanol, Lot de997	10 mL	MV-1-Ch Hex_00008	10.2 uL	1-Chlorohexane	39.944 ug/mL
					MV-502111_00022	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloroethene, Total	80 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Xylenes, Total	120 ug/mL
					MV-506052_00023	200 uL	Iodomethane	40 ug/mL
					MV-861145_00019	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
					MV-CUS11338_00031	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
					MV-CUS11338_00032	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
.MV-1-Ch Hex_00008	07/25/12	01/25/12	P&T Methanol, Lot dd946	5 mL	MV-442258_00002	0.196 g	1-Chlorohexane	39160.8 ug/mL
..MV-442258_00002	07/31/13		Supelco, Lot LB77927		(Purchased Reagent)		1-Chlorohexane	39160.8 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-502111_00022	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.MV-506052_00023	03/31/12		Supelco, Lot LB82956		(Purchased Reagent)		Iodomethane	2000 ug/mL
.MV-861145_00019	06/30/12		Supelco, Lot LB85068		(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
.MV-CUS11338_00031	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
.MV-CUS11338_00032	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
MV-Main_00023	06/30/12	01/25/12	P&T Methanol, Lot de997	10 mL	MV-1-Ch Hex_00008	10.2 uL	1-Chlorohexane	39.944 ug/mL
					MV-502111_00024	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-CUS11338_00029	500 uL	1,4-Dioxane	2000 ug/mL
					MV-CUS11338_00030	500 uL	1,4-Dioxane	2000 ug/mL
.MV-1-Ch Hex_00008	07/25/12	01/25/12	P&T Methanol, Lot dd946	5 mL	MV-442258_00002	0.196 g	1-Chlorohexane	39160.8 ug/mL
..MV-442258_00002	07/31/13		Supelco, Lot LB77927		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00024	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-CUS11338_00029	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
.MV-CUS11338_00030	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
MV-SecSrc B_00005	04/05/12	10/05/11	P&T Methanol, Lot DD471	10 mL	MV-8240CR310x_00007	200 uL	1,4-Dioxane	800 ug/mL
.MV-8240CR310x_00007	04/22/12		AccuStandard, Lot 210041266		(Purchased Reagent)		1,4-Dioxane	40000 ug/mL
MV-SS GasKe_00018	08/21/12	02/21/12	P&T Methanol, Lot De997	10 mL	MV-30006_00033	320 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-5s06036_00015	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-30006_00033	04/30/14		Restek, Lot A079446		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
.MV-5s06036_00015	12/31/13		Supelco, Lot LB83820		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-SS Supp_00011	05/20/12	02/17/12	P&T Methanol, Lot de997	5 mL	MV-562811_00013	100 uL	Methyl acetate	200 ug/mL
					MV-564150_00011	100 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Methyl acetate	10000 ug/mL
.MV-564150_00011	05/30/12		RESTEK, Lot A081643		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
MV-Supp Std_00021	04/25/12	02/06/12	P&T Methanol, Lot de997	10 mL	MV-21322197_00014	1000 uL	Propene oxide	2000 ug/mL
					MV-21322197_00015	1000 uL	Propene oxide	2000 ug/mL
					MV-21455932_00003	200 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							2-Nitropropane	40 ug/mL
							2-Pentanone	160 ug/mL
							3-Chloro-1-propene	40 ug/mL
							Carbon disulfide	40 ug/mL
							cis-1,4-Dichloro-2-butene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Ethyl acetate	80 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	80 ug/mL
							Hexane	40 ug/mL
							Isopropyl alcohol	800 ug/mL
							Methyl acetate	200 ug/mL
							Methyl methacrylate	80 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							Tetrahydrofuran	80 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	80 ug/mL
					MV-2butanol_00003	297 uL	sec-Butyl Alcohol	1201.56 ug/mL
.MV-21322197_00014	12/31/12		Supelco, Lot LB89657		(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-21322197_00015	12/31/12		Supelco, Lot LB89657		(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-21455932_00003	10/31/12		Supelco, Lot LB88346		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							2-Pentanone	8000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							cis-1,4-Dichloro-2-butene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	4000 ug/mL
							Hexane	2000 ug/mL
							Isopropyl alcohol	40000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Tert-amyl methyl ether	10000 ug/mL
							Tert-butyl ethyl ether	10000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Vinyl acetate	4000 ug/mL
.MV-2butanol_00003	04/25/12	11/05/11	P&T Methanol, Lot de997	5 mL	MV-294810_00001	0.2033 g	sec-Butyl Alcohol	40456.7 ug/mL
..MV-294810_00001	04/30/13		Supelco, Lot 50296kkv		(Purchased Reagent)		sec-Butyl Alcohol	0.995 mL/mL
MV-Supp Std_00022	08/31/12	04/02/12	P&T Methanol, Lot de997	10 mL	MV-21455932_00004	200 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-21455932_00004	10/31/12		Supelco, Lot LB88346		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB AOI 474

TestAmerica Job ID: 280-27123-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAC	1	205310
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430

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

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
UNK10101AA	280-27123-1	98	92	117 Q	122 Q
UNK10201AA	280-27123-2	101	97	107	125 Q
UNK10301AA	280-27123-3	100	96	121 Q	135 Q
UNK10401AA	280-27123-4	87	82	120 Q	121 Q
UNK10501AA	280-27123-5	95	94	106	126 Q
UNK10502AA	280-27123-6	92	91	93	99
UNK10601AA	280-27123-7	102	108	114	135 Q
UNK10602AA	280-27123-8	95	95	93	96
UNK10701AA	280-27123-9	87	82	117 Q	117
UNK10702AA	280-27123-10	86	81	115	117
	MB 280-114240/1-A	100	95	99	91
	MB 280-114501/1-A	84	81	100	96
	LCS 280-114240/2-A	96	99	95	88
	LCS 280-114501/2-A	85	82	101	96
UNK10401AA MS	280-27123-4 MS	84	79	111	116
UNK10502AA MS	280-27123-6 MS	94	101	93	95
UNK10401AA MSD	280-27123-4 MSD	85	80	114	117
UNK10502AA MSD	280-27123-6 MSD	91	96	93	96

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	71-126
DCA = 1,2-Dichloroethane-d4 (Surr)	61-129
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
032712AE	280-27123-11	103	100	107	100
032712AF	280-27123-12	108	106	104	92
032712AR	280-27123-13	103	101	104	97
	MB 280-114706/5	104	106	108	103
	LCS 280-114706/4	104	108	107	99

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G5643.D

Lab ID: LCS 280-114240/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	50.0	56.3	113	75-125	
1,1,1-Trichloroethane	50.0	53.8	108	70-135	
1,1-Dichloroethane	50.0	55.1	110	75-125	
1,2,3-Trichlorobenzene	50.0	54.6	109	60-135	
1,2,3-Trichloropropane	50.0	52.2	104	65-130	
1,2,4-Trichlorobenzene	50.0	55.0	110	65-130	
1,1-Dichloropropene	50.0	51.2	102	70-135	
1,1-Dichloroethene	50.0	57.3	115	65-135	
1,2-Dibromo-3-Chloropropane	50.0	52.0	104	40-135	
1,1,2-Trichloroethane	50.0	61.0	122	60-125	
1,1,2,2-Tetrachloroethane	50.0	51.0	102	55-130	
1,2,4-Trimethylbenzene	50.0	50.0	100	65-135	
1,2-Dichlorobenzene	50.0	54.1	108	75-120	
1,2-Dichloroethane	50.0	65.2	130	70-135	
1,3-Dichlorobenzene	50.0	50.2	100	70-125	
1,3-Dichloropropane	50.0	54.9	110	75-125	
1,3,5-Trimethylbenzene	50.0	49.2	98	65-135	
1,4-Dichlorobenzene	50.0	52.4	105	70-125	
1,2-Dichloropropane	50.0	54.2	108	70-120	
2,2-Dichloropropane	50.0	53.6	107	65-135	
2-Butanone (MEK)	200	259	130	30-160	
2-Hexanone	200	205	103	45-145	
4-Isopropyltoluene	50.0	49.1	98	75-135	
4-Methyl-2-pentanone (MIBK)	200	235	118	45-145	
Acetone	200	202	101	20-160	
Benzene	50.0	55.0	110	75-125	
Bromobenzene	50.0	52.6	105	65-120	
Bromoform	50.0	62.0	124	55-135	
2-Chlorotoluene	50.0	49.1	98	70-130	
Bromomethane	50.0	38.8	78	30-160	
4-Chlorotoluene	50.0	51.5	103	75-125	
Carbon disulfide	50.0	44.7	89	45-160	
Carbon tetrachloride	50.0	54.4	109	65-135	
Chlorobenzene	50.0	54.7	109	75-125	
Chlorobromomethane	50.0	61.2	122	70-125	
Chlorodibromomethane	50.0	56.4	113	65-130	
Chloroethane	50.0	38.6	77	40-155	
Chloroform	50.0	55.8	112	70-125	
Chloromethane	50.0	40.4	81	50-130	
cis-1,2-Dichloroethene	50.0	55.0	110	65-125	
cis-1,3-Dichloropropene	50.0	57.9	116	70-125	
Dibromomethane	50.0	59.2	118	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G5643.D

Lab ID: LCS 280-114240/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	50.0	57.7	115	70-130	
Dichlorodifluoromethane	50.0	37.6	75	35-135	
Ethylbenzene	50.0	52.9	106	75-125	
Ethylene Dibromide	50.0	55.4	111	70-125	
Hexachlorobutadiene	50.0	54.2	108	55-140	
Isopropylbenzene	50.0	48.0	96	75-130	
Methyl tert-butyl ether	50.0	57.9	116	67-119	
Methylene Chloride	50.0	57.1	114	55-140	
m-Xylene & p-Xylene	100	106	106	80-125	
Naphthalene	50.0	54.8	110	40-125	
n-Butylbenzene	50.0	48.1	96	65-140	
N-Propylbenzene	50.0	49.0	98	65-135	
o-Xylene	50.0	53.8	108	75-125	
sec-Butylbenzene	50.0	48.5	97	65-130	
Styrene	50.0	57.1	114	75-125	
tert-Butylbenzene	50.0	50.3	101	65-130	
Tetrachloroethene	50.0	53.0	106	65-140	
Toluene	50.0	56.3	113	70-125	
trans-1,2-Dichloroethene	50.0	53.4	107	65-135	
trans-1,3-Dichloropropene	50.0	61.3	123	65-125	
Trichloroethene	50.0	53.6	107	75-125	
Trichlorofluoromethane	50.0	43.7	87	25-185	
Vinyl chloride	50.0	36.0	72	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G2_5387.D

Lab ID: LCS 280-114501/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	50.0	52.0	104	75-125	
1,1,1-Trichloroethane	50.0	39.4	79	70-135	
1,1-Dichloroethane	50.0	41.7	83	75-125	
1,2,3-Trichlorobenzene	50.0	51.7	103	60-135	
1,2,3-Trichloropropane	50.0	53.3	107	65-130	
1,2,4-Trichlorobenzene	50.0	50.8	102	65-130	
1,1-Dichloropropene	50.0	40.7	81	70-135	
1,1-Dichloroethene	50.0	42.5	85	65-135	
1,2-Dibromo-3-Chloropropane	50.0	49.6	99	40-135	
1,1,2-Trichloroethane	50.0	45.3	91	60-125	
1,1,2,2-Tetrachloroethane	50.0	52.5	105	55-130	
1,2,4-Trimethylbenzene	50.0	47.7	95	65-135	
1,2-Dichlorobenzene	50.0	49.5	99	75-120	
1,2-Dichloroethane	50.0	48.0	96	70-135	
1,3-Dichlorobenzene	50.0	48.3	97	70-125	
1,3-Dichloropropane	50.0	51.7	103	75-125	
1,3,5-Trimethylbenzene	50.0	48.4	97	65-135	
1,4-Dichlorobenzene	50.0	48.5	97	70-125	
1,2-Dichloropropane	50.0	41.2	82	70-120	
2,2-Dichloropropane	50.0	37.9	76	65-135	
2-Butanone (MEK)	200	233	117	30-160	
2-Hexanone	200	216	108	45-145	
4-Isopropyltoluene	50.0	47.4	95	75-135	
4-Methyl-2-pentanone (MIBK)	200	193	97	45-145	
Acetone	200	183	91	20-160	
Benzene	50.0	41.3	83	75-125	
Bromobenzene	50.0	50.1	100	65-120	
Bromoform	50.0	51.1	102	55-135	
2-Chlorotoluene	50.0	48.3	97	70-130	
Bromomethane	50.0	48.2	96	30-160	
4-Chlorotoluene	50.0	47.7	95	75-125	
Carbon disulfide	50.0	34.0	68	45-160	
Carbon tetrachloride	50.0	41.1	82	65-135	
Chlorobenzene	50.0	48.7	97	75-125	
Chlorobromomethane	50.0	45.9	92	70-125	
Chlorodibromomethane	50.0	56.1	112	65-130	
Chloroethane	50.0	45.7	91	40-155	
Chloroform	50.0	43.6	87	70-125	
Chloromethane	50.0	48.5	97	50-130	
cis-1,2-Dichloroethene	50.0	43.2	86	65-125	
cis-1,3-Dichloropropene	50.0	42.7	85	70-125	
Dibromomethane	50.0	46.0	92	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G2_5387.D

Lab ID: LCS 280-114501/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	50.0	46.2	92	70-130	
Dichlorodifluoromethane	50.0	34.9	70	35-135	
Ethylbenzene	50.0	47.4	95	75-125	
Ethylene Dibromide	50.0	53.6	107	70-125	
Hexachlorobutadiene	50.0	48.9	98	55-140	
Isopropylbenzene	50.0	48.5	97	75-130	
Methyl tert-butyl ether	50.0	41.6	83	67-119	
Methylene Chloride	50.0	44.6	89	55-140	
m-Xylene & p-Xylene	100	92.7	93	80-125	
Naphthalene	50.0	50.1	100	40-125	
n-Butylbenzene	50.0	46.2	92	65-140	
N-Propylbenzene	50.0	46.8	94	65-135	
o-Xylene	50.0	47.0	94	75-125	
sec-Butylbenzene	50.0	48.7	97	65-130	
Styrene	50.0	48.2	96	75-125	
tert-Butylbenzene	50.0	49.7	99	65-130	
Tetrachloroethene	50.0	49.3	99	65-140	
Toluene	50.0	41.1	82	70-125	
trans-1,2-Dichloroethene	50.0	41.6	83	65-135	
trans-1,3-Dichloropropene	50.0	43.3	87	65-125	
Trichloroethene	50.0	42.2	84	75-125	
Trichlorofluoromethane	50.0	46.1	92	25-185	
Vinyl chloride	50.0	45.6	91	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR4246.D

Lab ID: LCS 280-114706/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.87	97	80-130	
1,1,1-Trichloroethane	5.00	5.04	101	65-130	
1,1-Dichloroethane	5.00	5.16	103	70-135	
1,2,3-Trichlorobenzene	5.00	5.00	100	55-140	
1,2,3-Trichloropropane	5.00	5.38	108	75-125	
1,2,4-Trichlorobenzene	5.00	5.12	102	65-135	
1,1-Dichloropropene	5.00	5.04	101	75-130	
1,1-Dichloroethene	5.00	5.25	105	70-130	
1,2-Dibromo-3-Chloropropane	5.00	5.19	104	50-130	
1,1,2-Trichloroethane	5.00	5.24	105	75-125	
1,1,2,2-Tetrachloroethane	5.00	5.25	105	65-130	
1,2,4-Trimethylbenzene	5.00	5.05	101	75-130	
1,2-Dichlorobenzene	5.00	4.88	98	70-120	
1,2-Dichloroethane	5.00	5.60	112	70-130	
1,3-Dichlorobenzene	5.00	4.86	97	75-125	
1,3-Dichloropropane	5.00	5.08	102	75-125	
1,3,5-Trimethylbenzene	5.00	5.10	102	75-130	
1,4-Dichlorobenzene	5.00	4.74	95	75-125	
1,2-Dichloropropane	5.00	5.15	103	75-125	
2,2-Dichloropropane	5.00	5.44	109	70-135	
2-Butanone (MEK)	20.0	25.4	127	30-150	
2-Hexanone	20.0	22.2	111	55-130	
4-Isopropyltoluene	5.00	4.86	97	75-130	
4-Methyl-2-pentanone (MIBK)	20.0	21.2	106	60-135	
Acetone	20.0	21.2	106	40-140	
Benzene	5.00	5.17	103	80-120	
Bromobenzene	5.00	5.16	103	75-125	
Bromoform	5.00	5.47	109	70-130	
2-Chlorotoluene	5.00	4.96	99	75-125	
Bromomethane	5.00	4.36	87	30-145	
4-Chlorotoluene	5.00	5.04	101	75-130	
Carbon disulfide	5.00	3.41	68	35-160	
Carbon tetrachloride	5.00	4.96	99	65-140	
Chlorobenzene	5.00	4.83	97	80-120	
Chlorobromomethane	5.00	5.05	101	65-130	
Chlorodibromomethane	5.00	4.99	100	60-135	
Chloroethane	5.00	4.70	94	60-135	
Chloroform	5.00	4.99	100	65-135	
Chloromethane	5.00	4.74	95	40-125	
cis-1,2-Dichloroethene	5.00	5.24	105	70-125	
cis-1,3-Dichloropropene	5.00	5.04	101	70-130	
Dibromomethane	5.00	5.39	108	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR4246.D

Lab ID: LCS 280-114706/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	5.06	101	75-120	
Dichlorodifluoromethane	5.00	3.82	76	30-155	
Ethylbenzene	5.00	5.06	101	75-125	
Ethylene Dibromide	5.00	5.32	106	80-120	
Hexachlorobutadiene	5.00	5.00	100	50-140	
Isopropylbenzene	5.00	5.07	101	75-125	
Methyl tert-butyl ether	5.00	5.51	110	65-125	
Methylene Chloride	5.00	5.28	106	55-140	
m-Xylene & p-Xylene	10.0	10.2	102	75-130	
Naphthalene	5.00	4.84	97	55-140	
n-Butylbenzene	5.00	5.05	101	70-135	
N-Propylbenzene	5.00	4.98	100	70-130	
o-Xylene	5.00	5.05	101	80-120	
sec-Butylbenzene	5.00	5.02	100	70-125	
Styrene	5.00	5.21	104	65-135	
tert-Butylbenzene	5.00	4.96	99	70-130	
Tetrachloroethene	5.00	5.17	103	45-150	
Toluene	5.00	5.09	102	75-120	
trans-1,2-Dichloroethene	5.00	5.04	101	60-140	
trans-1,3-Dichloropropene	5.00	5.35	107	55-140	
Trichloroethene	5.00	5.17	103	70-125	
Trichlorofluoromethane	5.00	4.46	89	60-145	
Vinyl chloride	5.00	4.51	90	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G2_5392.D

Lab ID: 280-27123-4 MS Client ID: UNK10401AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	72.3	1.5 U	68.9	95	75-125	
1,1,1-Trichloroethane	72.3	1.5 U	56.8	78	70-135	
1,1-Dichloroethane	72.3	1.2 U	61.6	85	75-125	
1,2,3-Trichlorobenzene	72.3	1.5 U	18.8	26	60-135	J
1,2,3-Trichloropropane	72.3	1.5 U	83.0	115	65-130	
1,2,4-Trichlorobenzene	72.3	1.5 U	23.3	32	65-130	J
1,1-Dichloropropene	72.3	1.5 U	56.2	78	70-135	
1,1-Dichloroethene	72.3	1.5 U	60.8	84	65-135	
1,2-Dibromo-3-Chloropropane	72.3	1.5 U	48.1	66	40-135	
1,1,2-Trichloroethane	72.3	1.5 U	54.0	75	60-125	
1,1,2,2-Tetrachloroethane	72.3	1.5 U	71.9	99	55-130	
1,2,4-Trimethylbenzene	72.3	1.5 U	63.5	88	65-135	
1,2-Dichlorobenzene	72.3	1.5 U	43.9	61	75-120	J
1,2-Dichloroethane	72.3	1.5 U	65.9	91	70-135	
1,3-Dichlorobenzene	72.3	1.5 U	51.1	71	70-125	
1,3-Dichloropropane	72.3	1.5 U	76.1	105	75-125	
1,3,5-Trimethylbenzene	72.3	1.5 U	68.4	95	65-135	
1,4-Dichlorobenzene	72.3	1.5 U	49.0	68	70-125	J
1,2-Dichloropropane	72.3	1.5 U	57.5	79	70-120	
2,2-Dichloropropane	72.3	1.5 U	56.1	78	65-135	
2-Butanone (MEK)	289	9.3 U	826	286	30-160	J
2-Hexanone	289	15 U	272	94	45-145	
4-Isopropyltoluene	72.3	1.5 U	60.6	84	75-135	
4-Methyl-2-pentanone (MIBK)	289	15 U	243	84	45-145	
Acetone	289	15 U	172	59	20-160	
Benzene	72.3	1.5 U	58.6	81	75-125	
Bromobenzene	72.3	1.5 U	68.4	95	65-120	
Bromoform	72.3	1.2 U	52.5	73	55-135	
2-Chlorotoluene	72.3	1.5 U	67.9	94	70-130	
Bromomethane	72.3	1.5 U	68.0	94	30-160	
4-Chlorotoluene	72.3	1.5 U	64.6	89	75-125	
Carbon disulfide	72.3	1.5 U	46.9	65	45-160	
Carbon tetrachloride	72.3	1.5 U	57.2	79	65-135	
Chlorobenzene	72.3	1.5 U	61.0	84	75-125	
Chlorobromomethane	72.3	1.5 U	63.8	88	70-125	
Chlorodibromomethane	72.3	1.5 U	73.7	102	65-130	
Chloroethane	72.3	1.5 U	66.6	92	40-155	
Chloroform	72.3	1.5 U	62.6	86	70-125	
Chloromethane	72.3	1.5 U	73.2	101	50-130	
cis-1,2-Dichloroethene	72.3	1.5 U	60.9	84	65-125	
cis-1,3-Dichloropropene	72.3	2.9 U	50.0	69	70-125	J
Dibromomethane	72.3	1.5 U	58.6	81	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G2_5392.D

Lab ID: 280-27123-4 MS Client ID: UNK10401AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dichlorobromomethane	72.3	1.2 U	60.6	84	70-130	
Dichlorodifluoromethane	72.3	1.5 U	51.1	71	35-135	
Ethylbenzene	72.3	1.5 U	63.6	88	75-125	
Ethylene Dibromide	72.3	1.5 U	72.0	100	70-125	
Hexachlorobutadiene	72.3	1.5 U	39.5	55	55-140	
Isopropylbenzene	72.3	1.5 U	81.4	113	75-130	
Methyl tert-butyl ether	72.3	1.5 U	59.5	82	67-119	
Methylene Chloride	72.3	4.6 U	65.3	90	55-140	
m-Xylene & p-Xylene	145	2.9 U	119	82	80-125	
Naphthalene	72.3	1.5 U	18.5	26	40-125	J
n-Butylbenzene	72.3	1.5 U	53.5	74	65-140	
N-Propylbenzene	72.3	1.5 U	72.4	100	65-135	
o-Xylene	72.3	1.5 U	57.3	79	75-125	
sec-Butylbenzene	72.3	1.5 U	65.3	90	65-130	
Styrene	72.3	1.5 U	50.2	69	75-125	J
tert-Butylbenzene	72.3	1.5 U	71.5	99	65-130	
Tetrachloroethene	72.3	1.5 U	67.7	94	65-140	
Toluene	72.3	1.5 U	52.6	73	70-125	
trans-1,2-Dichloroethene	72.3	1.5 U	60.7	84	65-135	
trans-1,3-Dichloropropene	72.3	1.5 U	49.1	68	65-125	
Trichloroethene	72.3	1.2 U	57.3	79	75-125	
Trichlorofluoromethane	72.3	2.9 U	66.0	91	25-185	
Vinyl chloride	72.3	2.9 U	67.2	93	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G5657.D

Lab ID: 280-27123-6 MS Client ID: UNK10502AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	59.8	1.2 U	65.4	109	75-125	
1,1,1-Trichloroethane	59.8	1.2 U	60.0	100	70-135	
1,1-Dichloroethane	59.8	0.99 U	64.6	108	75-125	
1,2,3-Trichlorobenzene	59.8	1.2 U	31.1	52	60-135	J
1,2,3-Trichloropropane	59.8	1.2 U	60.0	100	65-130	
1,2,4-Trichlorobenzene	59.8	1.2 U	38.8	65	65-130	
1,1-Dichloropropene	59.8	1.2 U	56.8	95	70-135	
1,1-Dichloroethene	59.8	1.2 U	58.3	97	65-135	
1,2-Dibromo-3-Chloropropane	59.8	1.2 U	46.1	77	40-135	
1,1,2-Trichloroethane	59.8	1.2 U	65.2	109	60-125	
1,1,2,2-Tetrachloroethane	59.8	1.2 U	55.2	92	55-130	
1,2,4-Trimethylbenzene	59.8	1.2 U	58.8	98	65-135	
1,2-Dichlorobenzene	59.8	1.2 U	56.2	94	75-120	
1,2-Dichloroethane	59.8	1.2 U	78.2	131	70-135	
1,3-Dichlorobenzene	59.8	1.2 U	57.6	96	70-125	
1,3-Dichloropropane	59.8	1.2 U	58.9	98	75-125	
1,3,5-Trimethylbenzene	59.8	1.2 U	60.6	101	65-135	
1,4-Dichlorobenzene	59.8	1.2 U	56.7	95	70-125	
1,2-Dichloropropane	59.8	1.2 U	62.8	105	70-120	
2,2-Dichloropropane	59.8	1.2 U	62.3	104	65-135	
2-Butanone (MEK)	239	8.0 U	594	248	30-160	J
2-Hexanone	239	12 U	201	84	45-145	
4-Isopropyltoluene	59.8	1.2 U	55.8	93	75-135	
4-Methyl-2-pentanone (MIBK)	239	12 U	246	103	45-145	
Acetone	239	12 U	131	55	20-160	
Benzene	59.8	1.2 U	62.6	105	75-125	
Bromobenzene	59.8	1.2 U	62.2	104	65-120	
Bromoform	59.8	0.99 U	63.0	105	55-135	
2-Chlorotoluene	59.8	1.2 U	61.1	102	70-130	
Bromomethane	59.8	1.2 U	53.6	90	30-160	
4-Chlorotoluene	59.8	1.2 U	59.9	100	75-125	
Carbon disulfide	59.8	1.2 U	48.6	81	45-160	
Carbon tetrachloride	59.8	1.2 U	63.1	105	65-135	
Chlorobenzene	59.8	1.2 U	61.4	103	75-125	
Chlorobromomethane	59.8	1.2 U	67.2	112	70-125	
Chlorodibromomethane	59.8	1.2 U	62.3	104	65-130	
Chloroethane	59.8	1.2 U	52.8	88	40-155	
Chloroform	59.8	1.2 U	67.4	113	70-125	
Chloromethane	59.8	1.2 U	52.4	88	50-130	
cis-1,2-Dichloroethene	59.8	1.2 U	63.0	105	65-125	
cis-1,3-Dichloropropene	59.8	2.5 U	62.2	104	70-125	
Dibromomethane	59.8	1.2 U	64.0	107	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G5657.D

Lab ID: 280-27123-6 MS Client ID: UNK10502AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dichlorobromomethane	59.8	0.99 U	67.5	113	70-130	
Dichlorodifluoromethane	59.8	1.2 U	46.6	78	35-135	
Ethylbenzene	59.8	1.2 U	59.2	99	75-125	
Ethylene Dibromide	59.8	1.2 U	56.6	95	70-125	
Hexachlorobutadiene	59.8	1.2 U	39.7	66	55-140	
Isopropylbenzene	59.8	1.2 U	59.9	100	75-130	
Methyl tert-butyl ether	59.8	1.2 U	62.5	105	67-119	
Methylene Chloride	59.8	3.0 J	66.0	105	55-140	
m-Xylene & p-Xylene	120	2.5 U	117	98	80-125	
Naphthalene	59.8	1.2 U	31.3	52	40-125	
n-Butylbenzene	59.8	1.2 U	52.5	88	65-140	
N-Propylbenzene	59.8	1.2 U	58.0	97	65-135	
o-Xylene	59.8	1.2 U	58.3	98	75-125	
sec-Butylbenzene	59.8	1.2 U	57.6	96	65-130	
Styrene	59.8	1.2 U	56.6	95	75-125	
tert-Butylbenzene	59.8	1.2 U	59.8	100	65-130	
Tetrachloroethene	59.8	1.2 U	58.9	98	65-140	
Toluene	59.8	1.2 U	61.2	102	70-125	
trans-1,2-Dichloroethene	59.8	1.2 U	60.9	102	65-135	
trans-1,3-Dichloropropene	59.8	1.2 U	65.8	110	65-125	
Trichloroethene	59.8	0.99 U	60.0	100	75-125	
Trichlorofluoromethane	59.8	2.5 U	58.4	98	25-185	
Vinyl chloride	59.8	2.5 U	43.7	73	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G2_5393.D

Lab ID: 280-27123-4 MSD Client ID: UNK10401AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	73.2	71.6	98	4	30	75-125	
1,1,1-Trichloroethane	73.2	57.5	79	1	30	70-135	
1,1-Dichloroethane	73.2	61.1	83	1	30	75-125	
1,2,3-Trichlorobenzene	73.2	19.0	26	1	30	60-135	J
1,2,3-Trichloropropane	73.2	90.0	123	8	30	65-130	
1,2,4-Trichlorobenzene	73.2	23.7	32	2	30	65-130	J
1,1-Dichloropropene	73.2	54.0	74	4	30	70-135	
1,1-Dichloroethene	73.2	59.9	82	2	30	65-135	
1,2-Dibromo-3-Chloropropane	73.2	50.3	69	5	30	40-135	
1,1,2-Trichloroethane	73.2	54.1	74	0	30	60-125	
1,1,2,2-Tetrachloroethane	73.2	78.8	108	9	30	55-130	
1,2,4-Trimethylbenzene	73.2	66.2	90	4	30	65-135	
1,2-Dichlorobenzene	73.2	47.4	65	8	30	75-120	J
1,2-Dichloroethane	73.2	65.3	89	1	30	70-135	
1,3-Dichlorobenzene	73.2	53.6	73	5	30	70-125	
1,3-Dichloropropane	73.2	77.2	105	1	30	75-125	
1,3,5-Trimethylbenzene	73.2	70.0	96	2	30	65-135	
1,4-Dichlorobenzene	73.2	52.4	72	7	30	70-125	
1,2-Dichloropropane	73.2	57.7	79	0	30	70-120	
2,2-Dichloropropane	73.2	55.6	76	1	30	65-135	
2-Butanone (MEK)	293	913	312	10	30	30-160	J
2-Hexanone	293	267	91	2	30	45-145	
4-Isopropyltoluene	73.2	59.6	81	2	30	75-135	
4-Methyl-2-pentanone (MIBK)	293	245	84	1	30	45-145	
Acetone	293	178	61	4	30	20-160	
Benzene	73.2	56.5	77	4	30	75-125	
Bromobenzene	73.2	72.5	99	6	30	65-120	
Bromoform	73.2	53.1	73	1	30	55-135	
2-Chlorotoluene	73.2	70.3	96	4	30	70-130	
Bromomethane	73.2	69.1	94	2	30	30-160	
4-Chlorotoluene	73.2	67.9	93	5	30	75-125	
Carbon disulfide	73.2	46.4	63	1	30	45-160	
Carbon tetrachloride	73.2	57.1	78	0	30	65-135	
Chlorobenzene	73.2	62.3	85	2	30	75-125	
Chlorobromomethane	73.2	64.1	87	0	30	70-125	
Chlorodibromomethane	73.2	74.9	102	2	30	65-130	
Chloroethane	73.2	69.1	94	4	30	40-155	
Chloroform	73.2	62.8	86	0	30	70-125	
Chloromethane	73.2	75.6	103	3	30	50-130	
cis-1,2-Dichloroethene	73.2	60.2	82	1	30	65-125	
cis-1,3-Dichloropropene	73.2	47.7	65	5	30	70-125	J
Dibromomethane	73.2	58.8	80	0	30	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G2_5393.D

Lab ID: 280-27123-4 MSD Client ID: UNK10401AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	73.2	60.3	82	1	30	70-130	
Dichlorodifluoromethane	73.2	52.3	71	2	30	35-135	
Ethylbenzene	73.2	64.3	88	1	30	75-125	
Ethylene Dibromide	73.2	72.3	99	0	30	70-125	
Hexachlorobutadiene	73.2	35.2	48	12	30	55-140	J
Isopropylbenzene	73.2	84.5	115	4	30	75-130	
Methyl tert-butyl ether	73.2	60.0	82	1	30	67-119	
Methylene Chloride	73.2	64.6	88	1	30	55-140	
m-Xylene & p-Xylene	146	121	82	1	30	80-125	
Naphthalene	73.2	19.0	26	3	30	40-125	J
n-Butylbenzene	73.2	51.4	70	4	30	65-140	
N-Propylbenzene	73.2	73.9	101	2	30	65-135	
o-Xylene	73.2	59.7	82	4	30	75-125	
sec-Butylbenzene	73.2	63.4	87	3	30	65-130	
Styrene	73.2	50.7	69	1	30	75-125	J
tert-Butylbenzene	73.2	71.6	98	0	30	65-130	
Tetrachloroethene	73.2	68.0	93	0	30	65-140	
Toluene	73.2	51.0	70	3	30	70-125	
trans-1,2-Dichloroethene	73.2	59.4	81	2	30	65-135	
trans-1,3-Dichloropropene	73.2	47.6	65	3	30	65-125	
Trichloroethene	73.2	56.0	76	2	30	75-125	
Trichlorofluoromethane	73.2	68.6	94	4	30	25-185	
Vinyl chloride	73.2	69.5	95	3	30	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G5658.D

Lab ID: 280-27123-6 MSD Client ID: UNK10502AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	52.1	54.0	104	19	30	75-125	
1,1,1-Trichloroethane	52.1	50.0	96	18	30	70-135	
1,1-Dichloroethane	52.1	54.6	105	17	30	75-125	
1,2,3-Trichlorobenzene	52.1	27.5	53	12	30	60-135	J
1,2,3-Trichloropropane	52.1	47.0	90	24	30	65-130	
1,2,4-Trichlorobenzene	52.1	32.6	63	17	30	65-130	J
1,1-Dichloropropene	52.1	46.3	89	20	30	70-135	
1,1-Dichloroethene	52.1	47.3	91	21	30	65-135	
1,2-Dibromo-3-Chloropropane	52.1	38.8	74	17	30	40-135	
1,1,2-Trichloroethane	52.1	52.9	102	21	30	60-125	
1,1,2,2-Tetrachloroethane	52.1	46.3	89	18	30	55-130	
1,2,4-Trimethylbenzene	52.1	48.8	94	19	30	65-135	
1,2-Dichlorobenzene	52.1	47.6	91	17	30	75-120	
1,2-Dichloroethane	52.1	63.4	122	21	30	70-135	
1,3-Dichlorobenzene	52.1	49.7	95	15	30	70-125	
1,3-Dichloropropane	52.1	48.9	94	19	30	75-125	
1,3,5-Trimethylbenzene	52.1	49.9	96	19	30	65-135	
1,4-Dichlorobenzene	52.1	48.7	93	15	30	70-125	
1,2-Dichloropropane	52.1	46.5	89	30	30	70-120	M
2,2-Dichloropropane	52.1	52.6	101	17	30	65-135	
2-Butanone (MEK)	209	444	213	29	30	30-160	J
2-Hexanone	209	156	75	25	30	45-145	
4-Isopropyltoluene	52.1	45.3	87	21	30	75-135	
4-Methyl-2-pentanone (MIBK)	209	192	92	25	30	45-145	
Acetone	209	103	49	23	30	20-160	
Benzene	52.1	51.6	99	19	30	75-125	
Bromobenzene	52.1	51.6	99	19	30	65-120	
Bromoform	52.1	51.9	100	19	30	55-135	
2-Chlorotoluene	52.1	50.3	96	19	30	70-130	
Bromomethane	52.1	44.3	85	19	30	30-160	
4-Chlorotoluene	52.1	50.4	97	17	30	75-125	
Carbon disulfide	52.1	42.8	82	13	30	45-160	
Carbon tetrachloride	52.1	51.8	99	20	30	65-135	
Chlorobenzene	52.1	51.2	98	18	30	75-125	
Chlorobromomethane	52.1	54.0	104	22	30	70-125	
Chlorodibromomethane	52.1	51.2	98	19	30	65-130	
Chloroethane	52.1	44.7	86	17	30	40-155	
Chloroform	52.1	54.4	104	21	30	70-125	
Chloromethane	52.1	45.7	88	14	30	50-130	
cis-1,2-Dichloroethene	52.1	52.8	101	18	30	65-125	
cis-1,3-Dichloropropene	52.1	50.2	96	21	30	70-125	
Dibromomethane	52.1	51.6	99	21	30	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G5658.D

Lab ID: 280-27123-6 MSD Client ID: UNK10502AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	52.1	55.4	106	20	30	70-130	
Dichlorodifluoromethane	52.1	39.1	75	17	30	35-135	
Ethylbenzene	52.1	49.5	95	18	30	75-125	
Ethylene Dibromide	52.1	46.8	90	19	30	70-125	
Hexachlorobutadiene	52.1	32.5	62	20	30	55-140	
Isopropylbenzene	52.1	50.1	96	18	30	75-130	
Methyl tert-butyl ether	52.1	50.4	97	21	30	67-119	
Methylene Chloride	52.1	54.3	98	19	30	55-140	
m-Xylene & p-Xylene	104	95.0	91	21	30	80-125	
Naphthalene	52.1	26.9	52	15	30	40-125	
n-Butylbenzene	52.1	44.0	84	18	30	65-140	
N-Propylbenzene	52.1	48.6	93	18	30	65-135	
o-Xylene	52.1	51.2	98	13	30	75-125	
sec-Butylbenzene	52.1	47.2	91	20	30	65-130	
Styrene	52.1	50.2	96	12	30	75-125	
tert-Butylbenzene	52.1	50.5	97	17	30	65-130	
Tetrachloroethene	52.1	49.7	95	17	30	65-140	
Toluene	52.1	50.8	97	19	30	70-125	
trans-1,2-Dichloroethene	52.1	50.8	97	18	30	65-135	
trans-1,3-Dichloropropene	52.1	53.2	102	21	30	65-125	
Trichloroethene	52.1	50.4	97	18	30	75-125	
Trichlorofluoromethane	52.1	47.8	92	20	30	25-185	
Vinyl chloride	52.1	37.8	72	15	30	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: G5645.D Lab Sample ID: MB 280-114240/1-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: MSV_G Date Analyzed: 04/04/2012 13:03

GC Column: DB-624 (60.32) ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-114240/2-A	G5643.D	04/04/2012 12:20
UNK10101AA	280-27123-1	G5646.D	04/04/2012 13:25
UNK10201AA	280-27123-2	G5647.D	04/04/2012 13:46
UNK10301AA	280-27123-3	G5648.D	04/04/2012 14:08
UNK10502AA	280-27123-6	G5656.D	04/04/2012 16:58
UNK10502AA MS	280-27123-6 MS	G5657.D	04/04/2012 17:19
UNK10502AA MSD	280-27123-6 MSD	G5658.D	04/04/2012 17:40
UNK10501AA	280-27123-5	G5660.D	04/04/2012 18:23
UNK10601AA	280-27123-7	G5661.D	04/04/2012 18:44
UNK10602AA	280-27123-8	G5662.D	04/04/2012 19:05

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: G2_5389.D Lab Sample ID: MB 280-114501/1-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: MSV_G2 Date Analyzed: 04/06/2012 10:28

GC Column: DB-624 (60.25) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-114501/2-A	G2_5387.D	04/06/2012 09:50
UNK10401AA	280-27123-4	G2_5390.D	04/06/2012 11:01
UNK10401AA MS	280-27123-4 MS	G2_5392.D	04/06/2012 11:39
UNK10401AA MSD	280-27123-4 MSD	G2_5393.D	04/06/2012 11:58
UNK10701AA	280-27123-9	G2_5394.D	04/06/2012 12:17
UNK10702AA	280-27123-10	G2_5395.D	04/06/2012 12:36

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: RR4247.D Lab Sample ID: MB 280-114706/5

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSV_R2 Date Analyzed: 04/09/2012 07:42

GC Column: DB-624 (60.25) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-114706/4	RR4246.D	04/09/2012 07:17
032712AE	280-27123-11	RR4249.D	04/09/2012 08:29
032712AF	280-27123-12	RR4250.D	04/09/2012 08:52
032712AR	280-27123-13	RR4251.D	04/09/2012 09:16

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: G5461.D BFB Injection Date: 03/26/2012

Instrument ID: MSV_G BFB Injection Time: 06:47

Analysis Batch No.: 113188

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.5	
75	30.0 - 60.0 % of mass 95	42.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	80.1	
175	5.0 - 9.0 % of mass 174	6.3	(7.8)1
176	95.0 - 101.0 % of mass 174	79.0	(98.6)1
177	5.0 - 9.0 % of mass 176	5.3	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-113188/2	G5462.D	03/26/2012	07:20
	IC 280-113188/3	G5463.D	03/26/2012	07:42
	IC 280-113188/4	G5464.D	03/26/2012	08:04
	IC 280-113188/5	G5465.D	03/26/2012	08:26
	IC 280-113188/6	G5466.D	03/26/2012	08:47
	IC 280-113188/7	G5467.D	03/26/2012	09:09
	IC 280-113188/8	G5468.D	03/26/2012	09:31
	IC 280-113188/9	G5469.D	03/26/2012	09:52
	ICV 280-113188/10	G5470.D	03/26/2012	10:40
	ICV 280-113188/11	G5471.D	03/26/2012	11:02
	ICV 280-113188/12	G5472.D	03/26/2012	11:24
	ICV 280-113188/13	G5473.D	03/26/2012	12:44

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: G5631.D BFB Injection Date: 04/04/2012

Instrument ID: MSV_G BFB Injection Time: 07:14

Analysis Batch No.: 114253

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.3	
75	30.0 - 60.0 % of mass 95	41.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	85.4	
175	5.0 - 9.0 % of mass 174	6.5	(7.6)1
176	95.0 - 101.0 % of mass 174	83.4	(97.7)1
177	5.0 - 9.0 % of mass 176	6.1	(7.3)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-114253/2	G5632.D	04/04/2012	07:37
	IC 280-114253/3	G5633.D	04/04/2012	07:59
	IC 280-114253/4	G5634.D	04/04/2012	08:21
	IC 280-114253/5	G5635.D	04/04/2012	08:42
	IC 280-114253/6	G5636.D	04/04/2012	09:04
	ICIS 280-114253/7	G5637.D	04/04/2012	09:25
	IC 280-114253/9	G5639.D	04/04/2012	10:08
	ICV 280-114253/10	G5640.D	04/04/2012	10:56
	IC 280-114253/8	G5642.D	04/04/2012	11:59
	LCS 280-114240/2-A	G5643.D	04/04/2012	12:20
	MB 280-114240/1-A	G5645.D	04/04/2012	13:03
UNK10101AA	280-27123-1	G5646.D	04/04/2012	13:25
UNK10201AA	280-27123-2	G5647.D	04/04/2012	13:46
UNK10301AA	280-27123-3	G5648.D	04/04/2012	14:08
UNK10502AA	280-27123-6	G5656.D	04/04/2012	16:58
UNK10502AA MS	280-27123-6 MS	G5657.D	04/04/2012	17:19
UNK10502AA MSD	280-27123-6 MSD	G5658.D	04/04/2012	17:40
UNK10501AA	280-27123-5	G5660.D	04/04/2012	18:23
UNK10601AA	280-27123-7	G5661.D	04/04/2012	18:44
UNK10602AA	280-27123-8	G5662.D	04/04/2012	19:05

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: G2_4846.D BFB Injection Date: 03/23/2012

Instrument ID: MSV_G2 BFB Injection Time: 09:36

Analysis Batch No.: 112965

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.7	
75	30.0 - 60.0 % of mass 95	49.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	75.4	
175	5.0 - 9.0 % of mass 174	5.3	(7.1)1
176	95.0 - 101.0 % of mass 174	73.8	(97.8)1
177	5.0 - 9.0 % of mass 176	5.1	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-112965/2	G2_4859.D	03/23/2012	14:26
	IC 280-112965/3	G2_4860.D	03/23/2012	14:45
	IC 280-112965/4	G2_4861.D	03/23/2012	15:04
	IC 280-112965/5	G2_4862.D	03/23/2012	15:23
	ICIS 280-112965/6	G2_4863.D	03/23/2012	15:41
	IC 280-112965/7	G2_4864.D	03/23/2012	16:00
	IC 280-112965/8	G2_4865.D	03/23/2012	16:19
	ICV 280-112965/9	G2_4866.D	03/23/2012	16:39

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: G2_4867.D BFB Injection Date: 03/23/2012

Instrument ID: MSV_G2 BFB Injection Time: 20:34

Analysis Batch No.: 112941

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.8	
75	30.0 - 60.0 % of mass 95	48.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	68.9	
175	5.0 - 9.0 % of mass 174	4.9	(7.2)1
176	95.0 - 101.0 % of mass 174	66.9	(97.1)1
177	5.0 - 9.0 % of mass 176	4.3	(6.5)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-112941/2	G2_4868.D	03/23/2012	20:56
	IC 280-112941/3	G2_4869.D	03/23/2012	21:31
	IC 280-112941/4	G2_4870.D	03/23/2012	21:50
	IC 280-112941/5	G2_4871.D	03/23/2012	22:09
	IC 280-112941/6	G2_4872.D	03/23/2012	22:28
	IC 280-112941/7	G2_4873.D	03/23/2012	23:09
	IC 280-112941/8	G2_4874.D	03/23/2012	23:28
	IC 280-112941/9	G2_4875.D	03/23/2012	23:47
	ICV 280-112941/10	G2_4876.D	03/24/2012	00:06
	ICV 280-112941/11	G2_4878.D	03/24/2012	00:44

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: G2_4891.D BFB Injection Date: 03/24/2012

Instrument ID: MSV_G2 BFB Injection Time: 13:46

Analysis Batch No.: 112963

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.4	
75	30.0 - 60.0 % of mass 95	49.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	73.8	
175	5.0 - 9.0 % of mass 174	5.6	(7.6)1
176	95.0 - 101.0 % of mass 174	71.8	(97.3)1
177	5.0 - 9.0 % of mass 176	4.7	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 280-112963/2	G2_4892.D	03/24/2012	14:00

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: G2_5380.D BFB Injection Date: 04/06/2012

Instrument ID: MSV_G2 BFB Injection Time: 06:42

Analysis Batch No.: 114709

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.9	
75	30.0 - 60.0 % of mass 95	50.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	79.1	
175	5.0 - 9.0 % of mass 174	5.5	(7.0)1
176	95.0 - 101.0 % of mass 174	75.2	(95.1)1
177	5.0 - 9.0 % of mass 176	5.4	(7.2)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-114709/2	G2_5381.D	04/06/2012	06:55
	CCV 280-114709/6	G2_5386.D	04/06/2012	09:15
	LCS 280-114501/2-A	G2_5387.D	04/06/2012	09:50
	MB 280-114501/1-A	G2_5389.D	04/06/2012	10:28
UNK10401AA	280-27123-4	G2_5390.D	04/06/2012	11:01
UNK10401AA MS	280-27123-4 MS	G2_5392.D	04/06/2012	11:39
UNK10401AA MSD	280-27123-4 MSD	G2_5393.D	04/06/2012	11:58
UNK10701AA	280-27123-9	G2_5394.D	04/06/2012	12:17
UNK10702AA	280-27123-10	G2_5395.D	04/06/2012	12:36

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: RR3334.D BFB Injection Date: 03/15/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:15

Analysis Batch No.: 111872

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.8	
75	30.0 - 60.0 % of mass 95	50.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	98.7	
175	5.0 - 9.0 % of mass 174	8.1	(8.2)1
176	95.0 - 101.0 % of mass 174	99.4	(100.7)1
177	5.0 - 9.0 % of mass 176	6.3	(6.3)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-111872/2	RR3336.D	03/15/2012	06:48
	IC 280-111872/3	RR3337.D	03/15/2012	07:11
	IC 280-111872/4	RR3338.D	03/15/2012	07:34
	ICIS 280-111872/5	RR3339.D	03/15/2012	07:57
	IC 280-111872/6	RR3340.D	03/15/2012	08:20
	IC 280-111872/7	RR3341.D	03/15/2012	08:43
	ICV 280-111872/9	RR3343.D	03/15/2012	09:29

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: RR3757.D BFB Injection Date: 03/26/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:24

Analysis Batch No.: 113151

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.2	
75	30.0 - 60.0 % of mass 95	46.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.9	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	99.5	
175	5.0 - 9.0 % of mass 174	7.6	(7.7)1
176	95.0 - 101.0 % of mass 174	95.2	(95.7)1
177	5.0 - 9.0 % of mass 176	6.7	(7.1)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-113151/2	RR3760.D	03/26/2012	07:35
	IC 280-113151/3	RR3761.D	03/26/2012	07:59
	IC 280-113151/4	RR3762.D	03/26/2012	08:22
	IC 280-113151/5	RR3763.D	03/26/2012	08:45
	IC 280-113151/6	RR3764.D	03/26/2012	09:09
	IC 280-113151/7	RR3765.D	03/26/2012	09:32
	IC 280-113151/8	RR3766.D	03/26/2012	09:56
	ICV 280-113151/9	RR3767.D	03/26/2012	10:19
	ICV 280-113151/10	RR3768.D	03/26/2012	10:43
	ICV 280-113151/11	RR3769.D	03/26/2012	11:06
	ICV 280-113151/12	RR3770.D	03/26/2012	11:29

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: RR4243.D BFB Injection Date: 04/09/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:20

Analysis Batch No.: 114706

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.8	
75	30.0 - 60.0 % of mass 95	48.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.0	
173	Less than 2.0 % of mass 174	0.3	(0.3)1
174	50.0 - 120.00 % of mass 95	91.6	
175	5.0 - 9.0 % of mass 174	7.7	(8.4)1
176	95.0 - 101.0 % of mass 174	89.8	(98.1)1
177	5.0 - 9.0 % of mass 176	6.8	(7.6)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-114706/2	RR4244.D	04/09/2012	06:30
	CCV 280-114706/3	RR4245.D	04/09/2012	06:54
	LCS 280-114706/4	RR4246.D	04/09/2012	07:17
	MB 280-114706/5	RR4247.D	04/09/2012	07:42
032712AE	280-27123-11	RR4249.D	04/09/2012	08:29
032712AF	280-27123-12	RR4250.D	04/09/2012	08:52
032712AR	280-27123-13	RR4251.D	04/09/2012	09:16

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: ICIS 280-114253/7 Date Analyzed: 04/04/2012 09:25

Instrument ID: MSV_G GC Column: DB-624 (60.32) ID: 0.32(mm)

Lab File ID (Standard): G5637.D Heated Purge: (Y/N) Y

Calibration ID: 8961

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		3566911	8.18	802651	10.83	1166662	12.90
UPPER LIMIT		7133822	8.68	1605302	11.33	2333324	13.40
LOWER LIMIT		1783456	7.68	401326	10.33	583331	12.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 280-114253/2		4245041	8.17	958985	10.83	1411568	12.90
ICV 280-114253/10		3550724	8.18	794038	10.83	1094535	12.89
LCS 280-114240/2-A		3525064	8.18	851437	10.84	1320787	12.90
MB 280-114240/1-A		3607056	8.19	841493	10.84	1227478	12.90
280-27123-1	UNK10101AA	3043826	8.19	559886	10.84	491681Q	12.90
280-27123-2	UNK10201AA	2613593	8.18	495270	10.84	418307Q	12.90
280-27123-3	UNK10301AA	2715056	8.18	468028	10.85	351187Q	12.91
280-27123-6	UNK10502AA	2993845	8.18	677091	10.84	812346	12.90
280-27123-6 MS	UNK10502AA MS	3046390	8.18	720546	10.84	1003435	12.91
280-27123-6 MSD	UNK10502AA MSD	3177651	8.19	741948	10.84	1033535	12.90
280-27123-5	UNK10501AA	2835046	8.18	525458	10.84	421091Q	12.90
280-27123-7	UNK10601AA	2553577	8.19	450747	10.84	326104Q	12.90
280-27123-8	UNK10602AA	3017632	8.19	676241	10.84	878973	12.90

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: ICIS 280-112965/6 Date Analyzed: 03/23/2012 15:41

Instrument ID: MSV_G2 GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): G2_4863.D Heated Purge: (Y/N) Y

Calibration ID: 8871

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1319585	7.75	326381	10.01	514075	11.86
UPPER LIMIT		2639170	8.25	652762	10.51	1028150	12.36
LOWER LIMIT		659793	7.25	163191	9.51	257038	11.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-112965/9		1586195	7.75	386270	10.01	609896	11.86
ICV 280-112941/10		1619415	7.75	404281	10.01	653527	11.85
ICV 280-112941/11		1588310	7.74	390856	10.00	637069	11.85
CCV 280-114709/2		2136454	7.75	460514	10.01	720395	11.86
CCV 280-114709/6		2096888	7.75	439713	10.01	702690	11.86
LCS 280-114501/2-A		2162928	7.75	462651	10.01	725026	11.86
MB 280-114501/1-A		2127727	7.75	455359	10.01	740197	11.86
280-27123-4	UNK10401AA	1878589	7.75	310242	10.01	308327	11.86
280-27123-4 MS	UNK10401AA MS	2030709	7.75	365679	10.01	397836	11.86
280-27123-4 MSD	UNK10401AA MSD	1837286	7.75	324765	10.00	342929	11.86
280-27123-9	UNK10701AA	1983999	7.75	337323	10.00	345295	11.86
280-27123-10	UNK10702AA	1948143	7.75	334252	10.01	346903	11.86

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: ICIS 280-111872/5 Date Analyzed: 03/15/2012 07:57

Instrument ID: MSV_R2 GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): RR3339.D Heated Purge: (Y/N) N

Calibration ID: 8782

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1834382	8.59	422423	11.46	621831	14.06
UPPER LIMIT		3668764	9.09	844846	11.96	1243662	14.56
LOWER LIMIT		917191	8.09	211212	10.96	310916	13.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-111872/9		1783814	8.60	411356	11.47	600582	14.07
ICV 280-113151/10		1760683	8.63	400416	11.50	627530	14.09
ICV 280-113151/11		1783256	8.63	412827	11.50	613237	14.09
ICV 280-113151/12		1733335	8.62	401311	11.50	603484	14.09
CCV 280-114706/2		1720318	8.60	384931	11.47	600178	14.07
CCV 280-114706/3		1717813	8.60	384820	11.47	612554	14.06
LCS 280-114706/4		1621131	8.60	371454	11.47	581530	14.06
MB 280-114706/5		1763014	8.60	390977	11.47	601030	14.06
280-27123-11	032712AE	1766451	8.59	398779	11.47	624214	14.06
280-27123-12	032712AF	1700925	8.59	394075	11.46	646273	14.06
280-27123-13	032712AR	1814641	8.59	415475	11.46	650596	14.05

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA | Lab Sample ID: 280-27123-1

Matrix: Solid | Lab File ID: G5646.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 09:55

Sample wt/vol: 5.402(g) | Date Analyzed: 04/04/2012 13:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 35.9 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.4	U Q	7.2	1.4	0.81
71-55-6	1,1,1-Trichloroethane	1.4	U	7.2	1.4	0.75
96-18-4	1,2,3-Trichloropropane	1.4	U Q	7.2	1.4	1.2
87-61-6	1,2,3-Trichlorobenzene	1.4	U Q	7.2	1.4	1.1
75-34-3	1,1-Dichloroethane	1.2	U	7.2	1.2	0.30
120-82-1	1,2,4-Trichlorobenzene	1.4	U Q	7.2	1.4	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	1.4	U Q	14	1.4	0.87
563-58-6	1,1-Dichloropropene	1.4	U	7.2	1.4	0.78
75-35-4	1,1-Dichloroethene	1.4	U	7.2	1.4	0.85
79-00-5	1,1,2-Trichloroethane	1.4	U	7.2	1.4	1.3
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U Q	7.2	1.4	0.88
95-63-6	1,2,4-Trimethylbenzene	1.4	U Q	7.2	1.4	0.84
95-50-1	1,2-Dichlorobenzene	1.4	U Q	7.2	1.4	0.65
107-06-2	1,2-Dichloroethane	1.4	U	7.2	1.4	1.0
541-73-1	1,3-Dichlorobenzene	1.4	U Q	7.2	1.4	0.69
142-28-9	1,3-Dichloropropane	1.4	U Q	7.2	1.4	0.74
108-67-8	1,3,5-Trimethylbenzene	1.4	U Q	7.2	1.4	0.82
78-93-3	2-Butanone (MEK)	9.2	U	29	9.2	2.6
106-46-7	1,4-Dichlorobenzene	1.4	U Q	7.2	1.4	1.1
78-87-5	1,2-Dichloropropane	1.4	U	7.2	1.4	0.79
594-20-7	2,2-Dichloropropane	1.4	U	7.2	1.4	0.63
591-78-6	2-Hexanone	14	U	29	14	7.1
108-10-1	4-Methyl-2-pentanone (MIBK)	14	U	29	14	6.3
99-87-6	4-Isopropyltoluene	1.4	U Q	7.2	1.4	0.71
71-43-2	Benzene	1.4	U	7.2	1.4	0.68
67-64-1	Acetone	14	U	29	14	7.8
108-86-1	Bromobenzene	1.4	U Q	7.2	1.4	0.71
75-25-2	Bromoform	1.2	U Q	7.2	1.2	0.33
74-83-9	Bromomethane	1.4	U	14	1.4	0.72
56-23-5	Carbon tetrachloride	1.4	U	7.2	1.4	0.91
75-15-0	Carbon disulfide	1.4	U	7.2	1.4	0.61
95-49-8	2-Chlorotoluene	1.4	U Q	7.2	1.4	0.74
106-43-4	4-Chlorotoluene	1.4	U Q	7.2	1.4	1.1
108-90-7	Chlorobenzene	1.4	U Q	7.2	1.4	0.78
74-97-5	Chlorobromomethane	1.4	U	7.2	1.4	0.43
124-48-1	Chlorodibromomethane	1.4	U Q	7.2	1.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA | Lab Sample ID: 280-27123-1

Matrix: Solid | Lab File ID: G5646.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 09:55

Sample wt/vol: 5.402(g) | Date Analyzed: 04/04/2012 13:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 35.9 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	1.4	U	14	1.4	0.42
75-00-3	Chloroethane	1.4	U	14	1.4	1.3
74-87-3	Chloromethane	1.4	U	14	1.4	1.1
156-59-2	cis-1,2-Dichloroethene	1.4	U	7.2	1.4	0.81
10061-01-5	cis-1,3-Dichloropropene	2.9	U	7.2	2.9	1.9
74-95-3	Dibromomethane	1.4	U	7.2	1.4	1.2
75-27-4	Dichlorobromomethane	1.2	U	7.2	1.2	0.32
75-71-8	Dichlorodifluoromethane	1.4	U	14	1.4	0.75
100-41-4	Ethylbenzene	1.4	U Q	7.2	1.4	0.97
87-68-3	Hexachlorobutadiene	1.4	U Q	7.2	1.4	0.79
98-82-8	Isopropylbenzene	1.4	U Q	7.2	1.4	0.85
106-93-4	Ethylene Dibromide	1.4	U Q	7.2	1.4	0.75
75-09-2	Methylene Chloride	3.7	J	7.2	4.6	2.3
1634-04-4	Methyl tert-butyl ether	1.4	U	29	1.4	0.49
179601-23-1	m-Xylene & p-Xylene	2.9	U Q	4.6	2.9	1.5
91-20-3	Naphthalene	1.0	J Q	7.2	1.4	0.91
104-51-8	n-Butylbenzene	1.4	U Q	7.2	1.4	0.81
103-65-1	N-Propylbenzene	1.4	U Q	7.2	1.4	0.84
95-47-6	o-Xylene	1.4	U Q	7.2	1.4	0.88
100-42-5	Styrene	1.4	U Q	7.2	1.4	0.91
135-98-8	sec-Butylbenzene	1.4	U Q	7.2	1.4	1.1
98-06-6	tert-Butylbenzene	1.4	U Q	7.2	1.4	0.72
156-60-5	trans-1,2-Dichloroethene	1.4	U	7.2	1.4	0.56
10061-02-6	trans-1,3-Dichloropropene	1.4	U	7.2	1.4	0.97
127-18-4	Tetrachloroethene	1.4	U Q	7.2	1.4	0.85
108-88-3	Toluene	1.4	U	7.2	1.4	1.0
79-01-6	Trichloroethene	1.2	U	7.2	1.2	0.33
75-69-4	Trichlorofluoromethane	2.9	U	14	2.9	1.5
75-01-4	Vinyl chloride	2.9	U	7.2	2.9	1.9
123-91-1	1,4-Dioxane	120	U	720	120	81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29	U	29	29	0.65
544-10-5	1-Chlorohexane	1.2	U Q	7.2	1.2	0.91
110-82-7	Cyclohexane	2.3	U	7.2	2.3	0.58
79-20-9	Methyl acetate	5.8	U	12	5.8	4.0
108-87-2	Methylcyclohexane	1.2	U	7.2	1.2	0.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA Lab Sample ID: 280-27123-1

Matrix: Solid Lab File ID: G5646.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 09:55

Sample wt/vol: 5.402(g) Date Analyzed: 04/04/2012 13:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 35.9 Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	117	Q	85-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-129
460-00-4	4-Bromofluorobenzene (Surr)	122	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	98		71-126

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5646.D
Lab Smp Id: 280-27123-B-1-A Client Smp ID: UNK10101AA
Inj Date : 04-APR-2012 13:25
Operator : HUBBSL Inst ID: G.i
Smp Info : 280-27123-b-1-a
Misc Info : 280-27123-B-1-A
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 14:21 reinhardtj Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.402	Weight of sample (g)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
*	59 Fluorobenzene	96	8.185	8.170	(1.000)	3043826	50.0000	
*	85 Chlorobenzene-d5	119	10.838	10.833	(1.000)	559886	50.0000	
*	110 1,4-Dichlorobenzene-d4	152	12.900	12.895	(1.000)	491681	50.0000	
$	49 Dibromofluoromethane (Surr)	111	7.593	7.588	(0.928)	952601	49.1519	45.4942
$	55 1,2-Dichloroethane-d4	65	7.909	7.894	(0.966)	752319	46.1191	42.6871
$	73 Toluene-d8	98	9.536	9.531	(0.880)	2334706	58.5400	54.1836(R)
$	96 4-Bromofluorobenzene (Surr)	95	11.815	11.810	(0.916)	596252	60.8160	56.2902(R)
M	3 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	4 Xylene (total)	106	Compound Not Detected.					
M	1 1,3-Dichloropropene (total)	100	Compound Not Detected.					
M	2 Trihalomethanes (total)	100	Compound Not Detected.					
	5 dichlorodifluoromethane	85	Compound Not Detected.					
	6 1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
	7 Chloromethane	50	Compound Not Detected.					
	8 Vinyl Chloride	62	Compound Not Detected.					
	9 Ethylene Oxide	44	Compound Not Detected.					
	10 Bromomethane	94	Compound Not Detected.					
	11 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	14 Ethanol	45	Compound Not Detected.					
	15 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
	16 Ethyl Ether	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Trichlorotrifluoroethane	151	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
22 1,1-Dichloroethene	96	Compound Not Detected.					
21 2-Propanol	45	Compound Not Detected.					
23 Iodomethane	142	Compound Not Detected.					
25 Methyl Acetate	43	Compound Not Detected.					
24 Acetonitrile	41	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
27 Carbon Disulfide	76	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	6.202	6.198	(0.758)	46615	2.52970	2.34145(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
42 2-Butanol	45	Compound Not Detected.					
43 Propionitrile	54	Compound Not Detected.					
44 2,2-Dichloropropane	77	Compound Not Detected.					
45 Methacrylonitrile	41	Compound Not Detected.					
46 Bromochloromethane	128	Compound Not Detected.					
47 Chloroform	83	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
51 1,1,1-Trichloroethane	97	Compound Not Detected.					
50 Isobutanol	41	Compound Not Detected.					
52 Cyclohexane	56	Compound Not Detected.					
53 1,1-Dichloropropene	75	Compound Not Detected.					
54 Carbon Tetrachloride	117	Compound Not Detected.					
57 TAME	73	Compound Not Detected.					
56 1,2-Dichloroethane	62	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
60 n-Butanol	56	Compound Not Detected.					
61 Trichloroethene	95	Compound Not Detected.					
62 2-Pentanone	43	Compound Not Detected.					
63 Methyl Methacrylate	100	Compound Not Detected.					
64 Methyl Cyclohexane	83	Compound Not Detected.					
65 1,2-Dichloropropane	63	Compound Not Detected.					
66 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Bromodichloromethane	83	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 2-nitropropane	41	Compound Not Detected.					
71 cis-1,3-Dichloropropene	75	Compound Not Detected.					
72 4-Methyl-2-pentanone	43	Compound Not Detected.					
74 Toluene	91	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
75 Ethyl methacrylate	69	Compound Not Detected.					
76 trans-1,3-Dichloropropene	75	Compound Not Detected.					
77 1,1,2-Trichloroethane	97	Compound Not Detected.					
78 2-Hexanone	43	Compound Not Detected.					
79 1,3-Dichloropropane	76	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 Dibromochloromethane	129	Compound Not Detected.					
83 1,2-Dibromoethane	107	Compound Not Detected.					
84 1-Chlorohexane	91	Compound Not Detected.					
86 Chlorobenzene	112	Compound Not Detected.					
87 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
88 Ethylbenzene	106	Compound Not Detected.					
89 m and p-Xylene	106	Compound Not Detected.					
90 o-Xylene	106	Compound Not Detected.					
91 Styrene	104	Compound Not Detected.					
92 Bromoform	173	Compound Not Detected.					
93 isopropyl benzene	105	Compound Not Detected.					
94 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
95 Cyclohexanone	55	Compound Not Detected.					
97 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
98 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
99 1,2,3-Trichloropropane	110	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
101 n-Propylbenzene	120	Compound Not Detected.					
102 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103 2-Chlorotoluene	126	Compound Not Detected.					
104 4-Chlorotoluene	126	Compound Not Detected.					
105 tert-Butylbenzene	119	Compound Not Detected.					
106 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
107 sec-Butylbenzene	105	Compound Not Detected.					
108 4-Isopropyltoluene	119	Compound Not Detected.					
109 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 1,4-dichlorobenzene	146	Compound Not Detected.					
112 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
113 n-Butylbenzene	91	Compound Not Detected.					
114 1,2-Dichlorobenzene	146	Compound Not Detected.					
115 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
116 1,2,4-Trichlorobenzene	180	15.158	15.164	(1.175)	3536	0.46953	0.434587(a)
117 Hexachlorobutadiene	225	Compound Not Detected.					
118 Naphthalene	128	15.553	15.548	(1.206)	11911	0.69029	0.638919(a)
119 1,2,3-Trichlorobenzene	180	15.908	15.893	(1.233)	4375	0.70681	0.654215(a)

QC Flag Legend

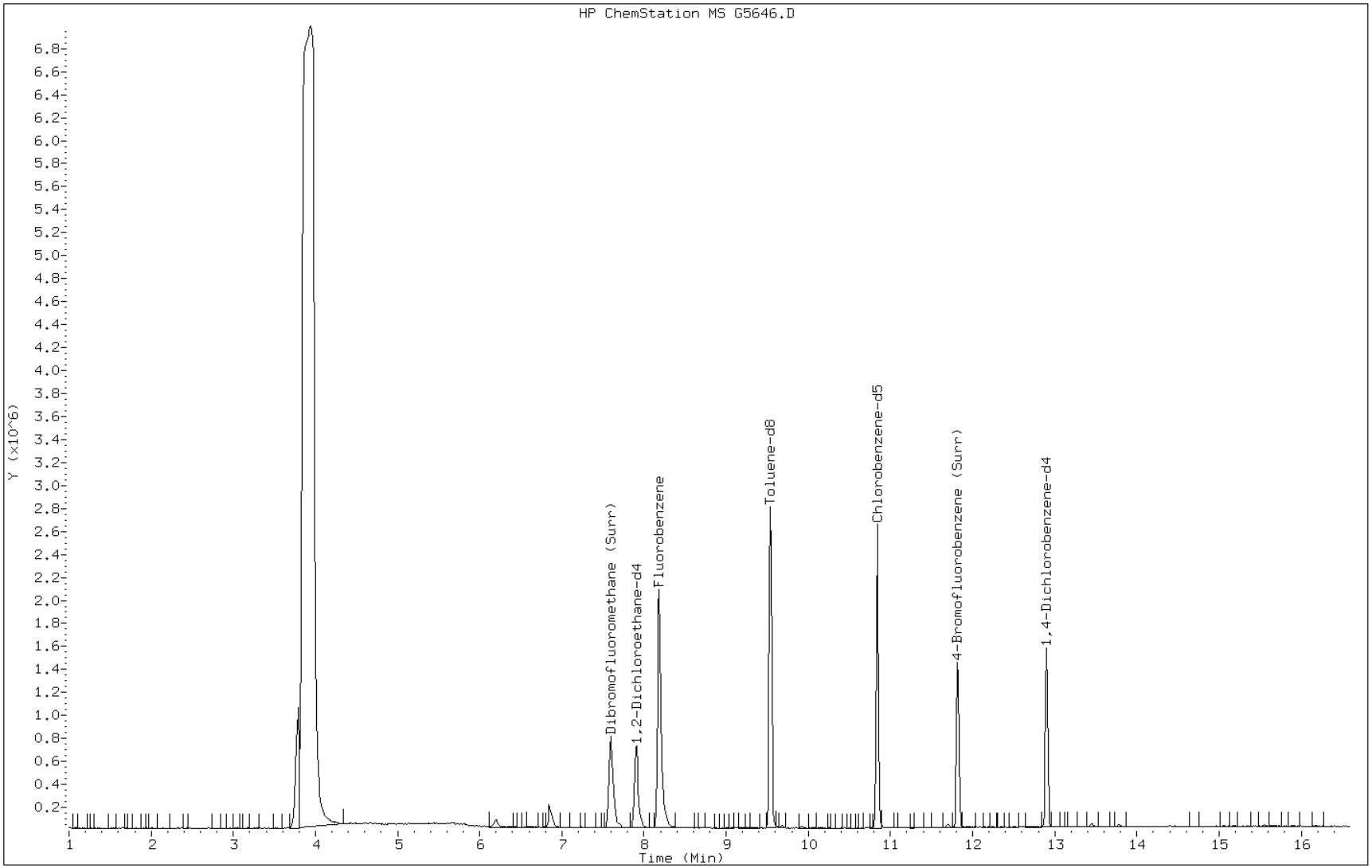
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: G5646.D

Date: 04-APR-2012 13:25

Client ID: UNK10101AA Instrument: G.i

Sample Info: 280-27123-b-1-a Operator: HUBBSL



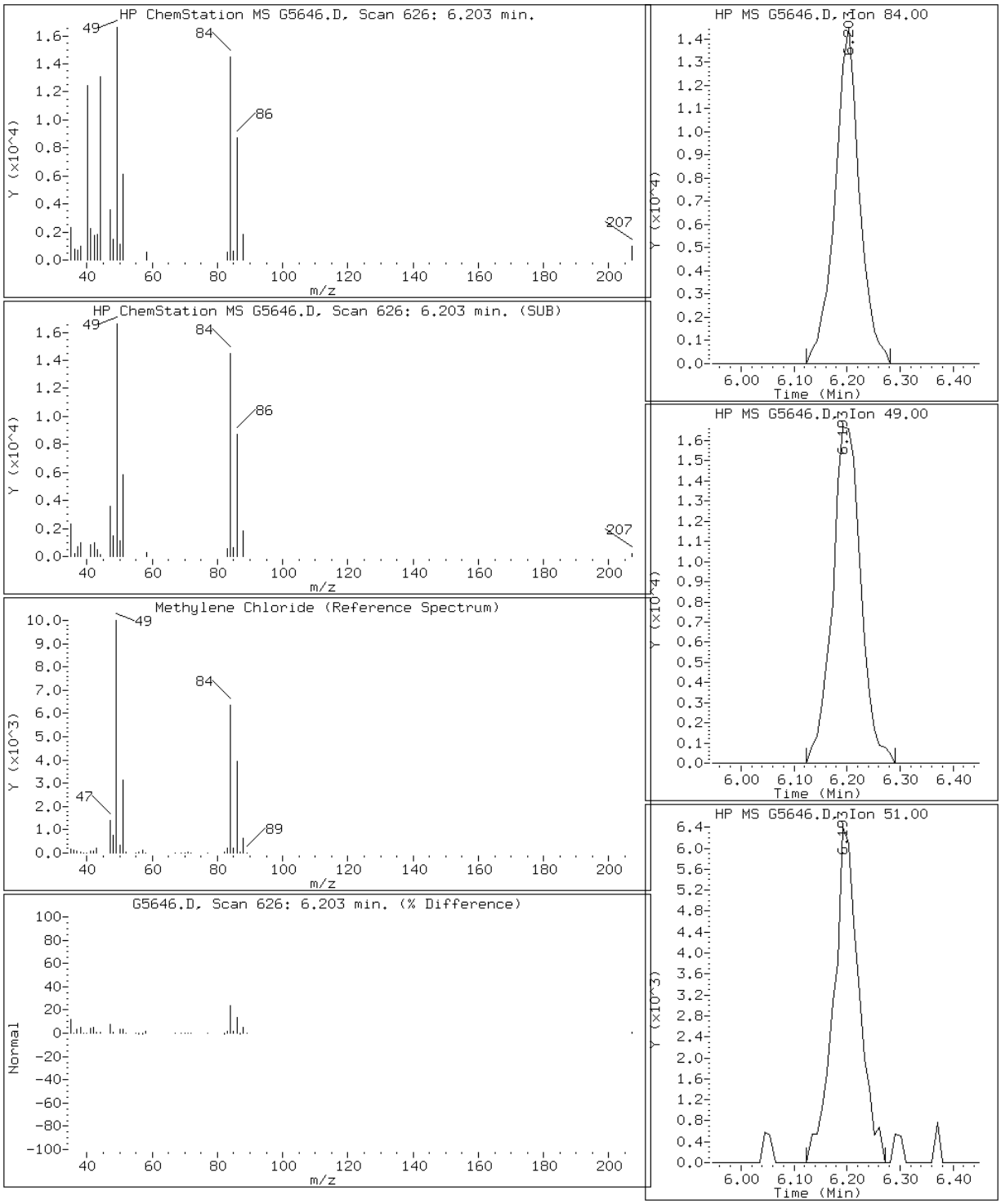
Data File: G5646.D

Date: 04-APR-2012 13:25

Client ID: UNK10101AA Instrument: G.i

Sample Info: 280-27123-b-1-a Operator: HUBBSL

29 Methylene Chloride



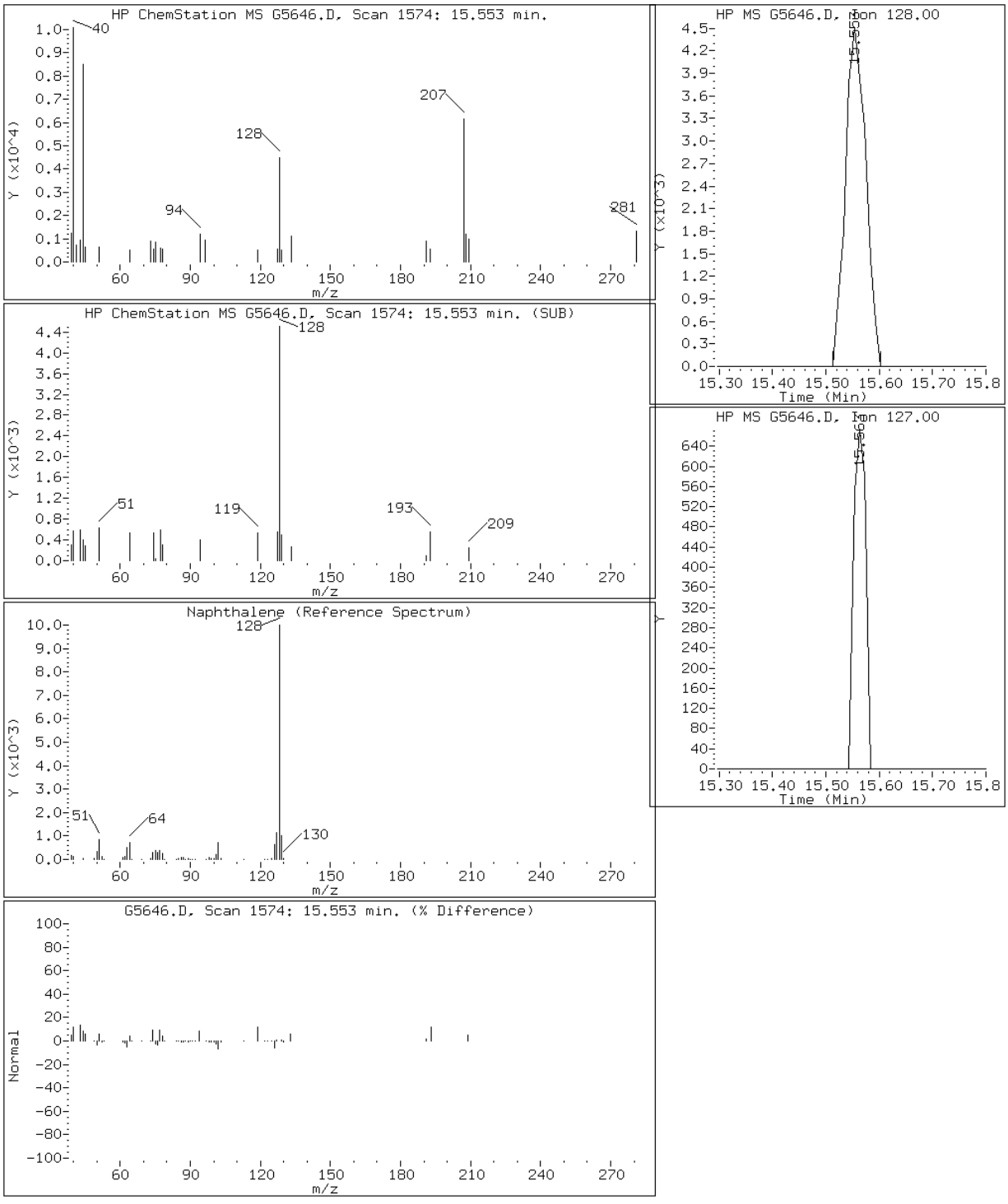
Data File: G5646.D

Date: 04-APR-2012 13:25

Client ID: UNK10101AA Instrument: G.i

Sample Info: 280-27123-b-1-a Operator: HUBBSL

118 Naphthalene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA | Lab Sample ID: 280-27123-2

Matrix: Solid | Lab File ID: G5647.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 10:20

Sample wt/vol: 4.856(g) | Date Analyzed: 04/04/2012 13:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 40.4 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.7	U	8.6	1.7	0.97
71-55-6	1,1,1-Trichloroethane	1.7	U	8.6	1.7	0.90
96-18-4	1,2,3-Trichloropropane	1.7	U Q	8.6	1.7	1.4
87-61-6	1,2,3-Trichlorobenzene	1.7	U Q	8.6	1.7	1.3
75-34-3	1,1-Dichloroethane	1.4	U	8.6	1.4	0.36
120-82-1	1,2,4-Trichlorobenzene	1.7	U Q	8.6	1.7	1.3
96-12-8	1,2-Dibromo-3-Chloropropane	1.7	U Q	17	1.7	1.0
563-58-6	1,1-Dichloropropene	1.7	U	8.6	1.7	0.93
75-35-4	1,1-Dichloroethene	1.7	U	8.6	1.7	1.0
79-00-5	1,1,2-Trichloroethane	1.7	U	8.6	1.7	1.5
79-34-5	1,1,2,2-Tetrachloroethane	1.7	U Q	8.6	1.7	1.1
95-63-6	1,2,4-Trimethylbenzene	1.7	U Q	8.6	1.7	1.0
95-50-1	1,2-Dichlorobenzene	1.7	U Q	8.6	1.7	0.78
107-06-2	1,2-Dichloroethane	1.7	U	8.6	1.7	1.2
541-73-1	1,3-Dichlorobenzene	1.7	U Q	8.6	1.7	0.83
142-28-9	1,3-Dichloropropane	1.7	U	8.6	1.7	0.88
108-67-8	1,3,5-Trimethylbenzene	1.7	U Q	8.6	1.7	0.98
78-93-3	2-Butanone (MEK)	11	U	35	11	3.2
106-46-7	1,4-Dichlorobenzene	1.7	U Q	8.6	1.7	1.3
78-87-5	1,2-Dichloropropane	1.7	U	8.6	1.7	0.95
594-20-7	2,2-Dichloropropane	1.7	U	8.6	1.7	0.76
591-78-6	2-Hexanone	17	U	35	17	8.4
108-10-1	4-Methyl-2-pentanone (MIBK)	17	U	35	17	7.5
99-87-6	4-Isopropyltoluene	1.7	U Q	8.6	1.7	0.85
71-43-2	Benzene	1.7	U	8.6	1.7	0.81
67-64-1	Acetone	17	U	35	17	9.3
108-86-1	Bromobenzene	1.7	U Q	8.6	1.7	0.85
75-25-2	Bromoform	1.4	U	8.6	1.4	0.40
74-83-9	Bromomethane	1.7	U	17	1.7	0.86
56-23-5	Carbon tetrachloride	1.7	U	8.6	1.7	1.1
75-15-0	Carbon disulfide	1.7	U	8.6	1.7	0.73
95-49-8	2-Chlorotoluene	1.7	U Q	8.6	1.7	0.88
106-43-4	4-Chlorotoluene	1.7	U Q	8.6	1.7	1.3
108-90-7	Chlorobenzene	1.7	U	8.6	1.7	0.93
74-97-5	Chlorobromomethane	1.7	U	8.6	1.7	0.52
124-48-1	Chlorodibromomethane	1.7	U	8.6	1.7	0.98

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA | Lab Sample ID: 280-27123-2

Matrix: Solid | Lab File ID: G5647.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 10:20

Sample wt/vol: 4.856(g) | Date Analyzed: 04/04/2012 13:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 40.4 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	1.7	U	17	1.7	0.50
75-00-3	Chloroethane	1.7	U	17	1.7	1.5
74-87-3	Chloromethane	1.7	U	17	1.7	1.3
156-59-2	cis-1,2-Dichloroethene	1.7	U	8.6	1.7	0.97
10061-01-5	cis-1,3-Dichloropropene	3.5	U	8.6	3.5	2.2
74-95-3	Dibromomethane	1.7	U	8.6	1.7	1.5
75-27-4	Dichlorobromomethane	1.4	U	8.6	1.4	0.38
75-71-8	Dichlorodifluoromethane	1.7	U	17	1.7	0.90
100-41-4	Ethylbenzene	1.7	U	8.6	1.7	1.2
87-68-3	Hexachlorobutadiene	1.7	U Q	8.6	1.7	0.95
98-82-8	Isopropylbenzene	1.7	U Q	8.6	1.7	1.0
106-93-4	Ethylene Dibromide	1.7	U	8.6	1.7	0.90
75-09-2	Methylene Chloride	4.1	J	8.6	5.5	2.8
1634-04-4	Methyl tert-butyl ether	1.7	U	35	1.7	0.59
179601-23-1	m-Xylene & p-Xylene	3.5	U	5.5	3.5	1.8
91-20-3	Naphthalene	1.7	U Q	8.6	1.7	1.1
104-51-8	n-Butylbenzene	1.7	U Q	8.6	1.7	0.97
103-65-1	N-Propylbenzene	1.7	U Q	8.6	1.7	1.0
95-47-6	o-Xylene	1.7	U	8.6	1.7	1.1
100-42-5	Styrene	1.7	U	8.6	1.7	1.1
135-98-8	sec-Butylbenzene	1.7	U Q	8.6	1.7	1.3
98-06-6	tert-Butylbenzene	1.7	U Q	8.6	1.7	0.86
156-60-5	trans-1,2-Dichloroethene	1.7	U	8.6	1.7	0.67
10061-02-6	trans-1,3-Dichloropropene	1.7	U	8.6	1.7	1.2
127-18-4	Tetrachloroethene	1.7	U	8.6	1.7	1.0
108-88-3	Toluene	1.7	U	8.6	1.7	1.2
79-01-6	Trichloroethene	1.4	U	8.6	1.4	0.40
75-69-4	Trichlorofluoromethane	3.5	U	17	3.5	1.8
75-01-4	Vinyl chloride	3.5	U	8.6	3.5	2.3
123-91-1	1,4-Dioxane	140	U	860	140	97
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	35	U	35	35	0.78
544-10-5	1-Chlorohexane	1.4	U	8.6	1.4	1.1
110-82-7	Cyclohexane	2.8	U	8.6	2.8	0.69
79-20-9	Methyl acetate	6.9	U	15	6.9	4.7
108-87-2	Methylcyclohexane	1.4	U	8.6	1.4	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA Lab Sample ID: 280-27123-2

Matrix: Solid Lab File ID: G5647.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 10:20

Sample wt/vol: 4.856(g) Date Analyzed: 04/04/2012 13:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 40.4 Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	107		85-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		61-129
460-00-4	4-Bromofluorobenzene (Surr)	125	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	101		71-126

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5647.D
Lab Smp Id: 280-27123-B-2-A Client Smp ID: UNK10201AA
Inj Date : 04-APR-2012 13:46
Operator : HUBBSL Inst ID: G.i
Smp Info : 280-27123-b-2-a
Misc Info : 280-27123-B-2-A
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 14:21 reinhardtj Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	4.856	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 59	Fluorobenzene	96	8.180	8.170	(1.000)	2613593	50.0000	
* 85	Chlorobenzene-d5	119	10.843	10.833	(1.000)	495270	50.0000	
* 110	1,4-Dichlorobenzene-d4	152	12.904	12.895	(1.000)	418307	50.0000	
$ 49	Dibromofluoromethane (Surr)	111	7.598	7.588	(0.929)	839990	50.4760	51.9728
$ 55	1,2-Dichloroethane-d4	65	7.903	7.894	(0.966)	682236	48.7074	50.1518
$ 73	Toluene-d8	98	9.541	9.531	(0.880)	1895336	53.7235	55.3166
$ 96	4-Bromofluorobenzene (Surr)	95	11.819	11.810	(0.916)	523163	62.7210	64.5809(R)
M 3	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 4	Xylene (total)	106	Compound Not Detected.					
M 1	1,3-Dichloropropene (total)	100	Compound Not Detected.					
M 2	Trihalomethanes (total)	100	Compound Not Detected.					
5	dichlorodifluoromethane	85	Compound Not Detected.					
6	1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
7	Chloromethane	50	Compound Not Detected.					
8	Vinyl Chloride	62	Compound Not Detected.					
9	Ethylene Oxide	44	Compound Not Detected.					
10	Bromomethane	94	Compound Not Detected.					
11	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Ethanol	45	Compound Not Detected.					
15	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
16	Ethyl Ether	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Trichlorotrifluoroethane	151	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
22 1,1-Dichloroethene	96	Compound Not Detected.					
21 2-Propanol	45	Compound Not Detected.					
23 Iodomethane	142	Compound Not Detected.					
25 Methyl Acetate	43	Compound Not Detected.					
24 Acetonitrile	41	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
27 Carbon Disulfide	76	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	6.207	6.198	(0.759)	37618	2.37751	2.44801(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
42 2-Butanol	45	Compound Not Detected.					
43 Propionitrile	54	Compound Not Detected.					
44 2,2-Dichloropropane	77	Compound Not Detected.					
45 Methacrylonitrile	41	Compound Not Detected.					
46 Bromochloromethane	128	Compound Not Detected.					
47 Chloroform	83	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
51 1,1,1-Trichloroethane	97	Compound Not Detected.					
50 Isobutanol	41	Compound Not Detected.					
52 Cyclohexane	56	Compound Not Detected.					
53 1,1-Dichloropropene	75	Compound Not Detected.					
54 Carbon Tetrachloride	117	Compound Not Detected.					
57 TAME	73	Compound Not Detected.					
56 1,2-Dichloroethane	62	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
60 n-Butanol	56	Compound Not Detected.					
61 Trichloroethene	95	Compound Not Detected.					
62 2-Pentanone	43	Compound Not Detected.					
63 Methyl Methacrylate	100	Compound Not Detected.					
64 Methyl Cyclohexane	83	Compound Not Detected.					
65 1,2-Dichloropropane	63	Compound Not Detected.					
66 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Bromodichloromethane	83	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 2-nitropropane	41	Compound Not Detected.					
71 cis-1,3-Dichloropropene	75	Compound Not Detected.					
72 4-Methyl-2-pentanone	43	Compound Not Detected.					
74 Toluene	91	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
75 Ethyl methacrylate	69	Compound Not Detected.					
76 trans-1,3-Dichloropropene	75	Compound Not Detected.					
77 1,1,2-Trichloroethane	97	Compound Not Detected.					
78 2-Hexanone	43	Compound Not Detected.					
79 1,3-Dichloropropane	76	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 Dibromochloromethane	129	Compound Not Detected.					
83 1,2-Dibromoethane	107	Compound Not Detected.					
84 1-Chlorohexane	91	Compound Not Detected.					
86 Chlorobenzene	112	Compound Not Detected.					
87 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
88 Ethylbenzene	106	Compound Not Detected.					
89 m and p-Xylene	106	Compound Not Detected.					
90 o-Xylene	106	Compound Not Detected.					
91 Styrene	104	Compound Not Detected.					
92 Bromoform	173	Compound Not Detected.					
93 isopropyl benzene	105	Compound Not Detected.					
94 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
95 Cyclohexanone	55	Compound Not Detected.					
97 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
98 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
99 1,2,3-Trichloropropane	110	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
101 n-Propylbenzene	120	Compound Not Detected.					
102 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103 2-Chlorotoluene	126	Compound Not Detected.					
104 4-Chlorotoluene	126	Compound Not Detected.					
105 tert-Butylbenzene	119	Compound Not Detected.					
106 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
107 sec-Butylbenzene	105	Compound Not Detected.					
108 4-Isopropyltoluene	119	12.786	12.777	(0.991)	10173	0.47170	0.485683(a)
109 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 1,4-dichlorobenzene	146	Compound Not Detected.					
112 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
113 n-Butylbenzene	91	Compound Not Detected.					
114 1,2-Dichlorobenzene	146	Compound Not Detected.					
115 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
116 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
117 Hexachlorobutadiene	225	Compound Not Detected.					
118 Naphthalene	128	Compound Not Detected.					
119 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

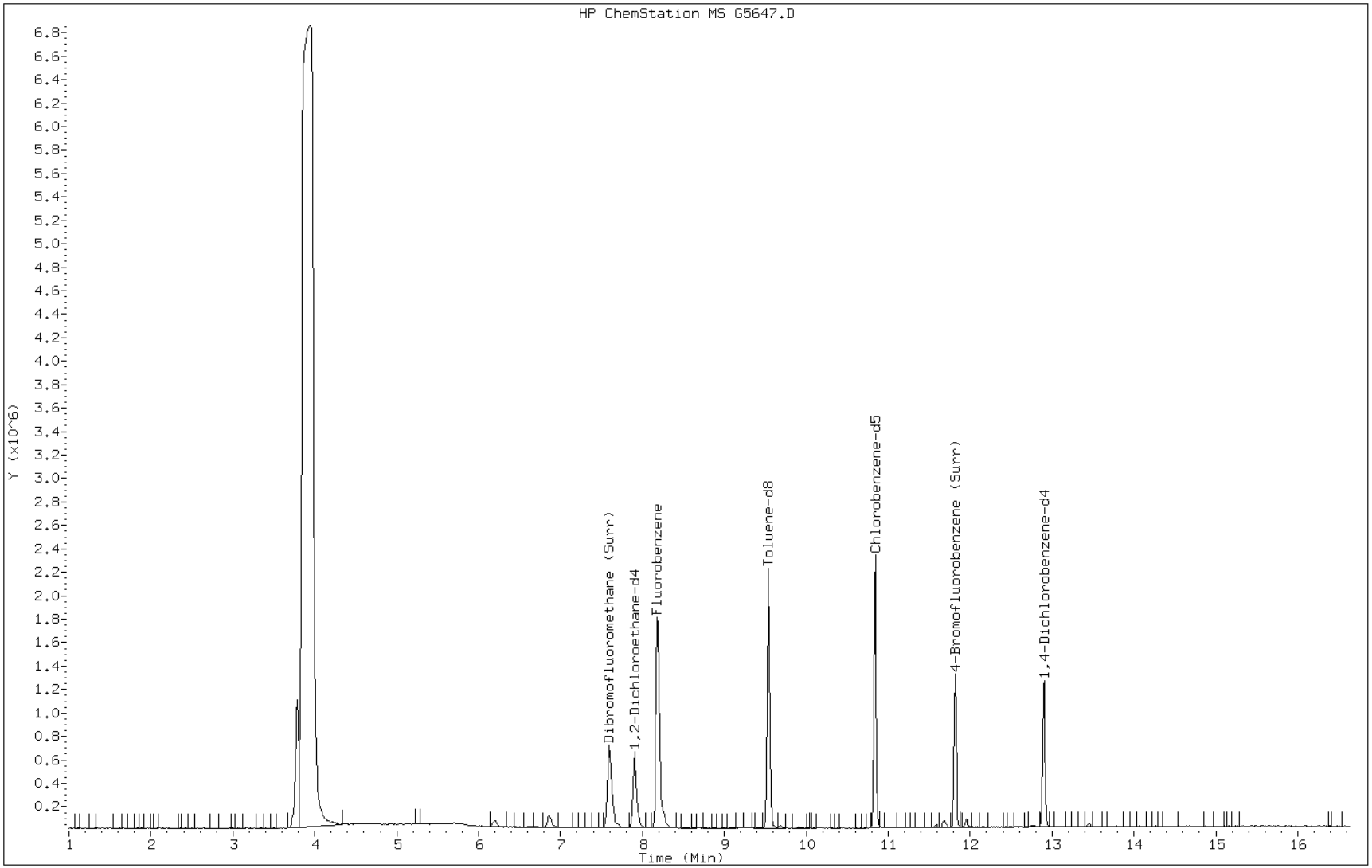
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: G5647.D

Date: 04-APR-2012 13:46

Client ID: UNK10201AA Instrument: G.i

Sample Info: 280-27123-b-2-a Operator: HUBBSL



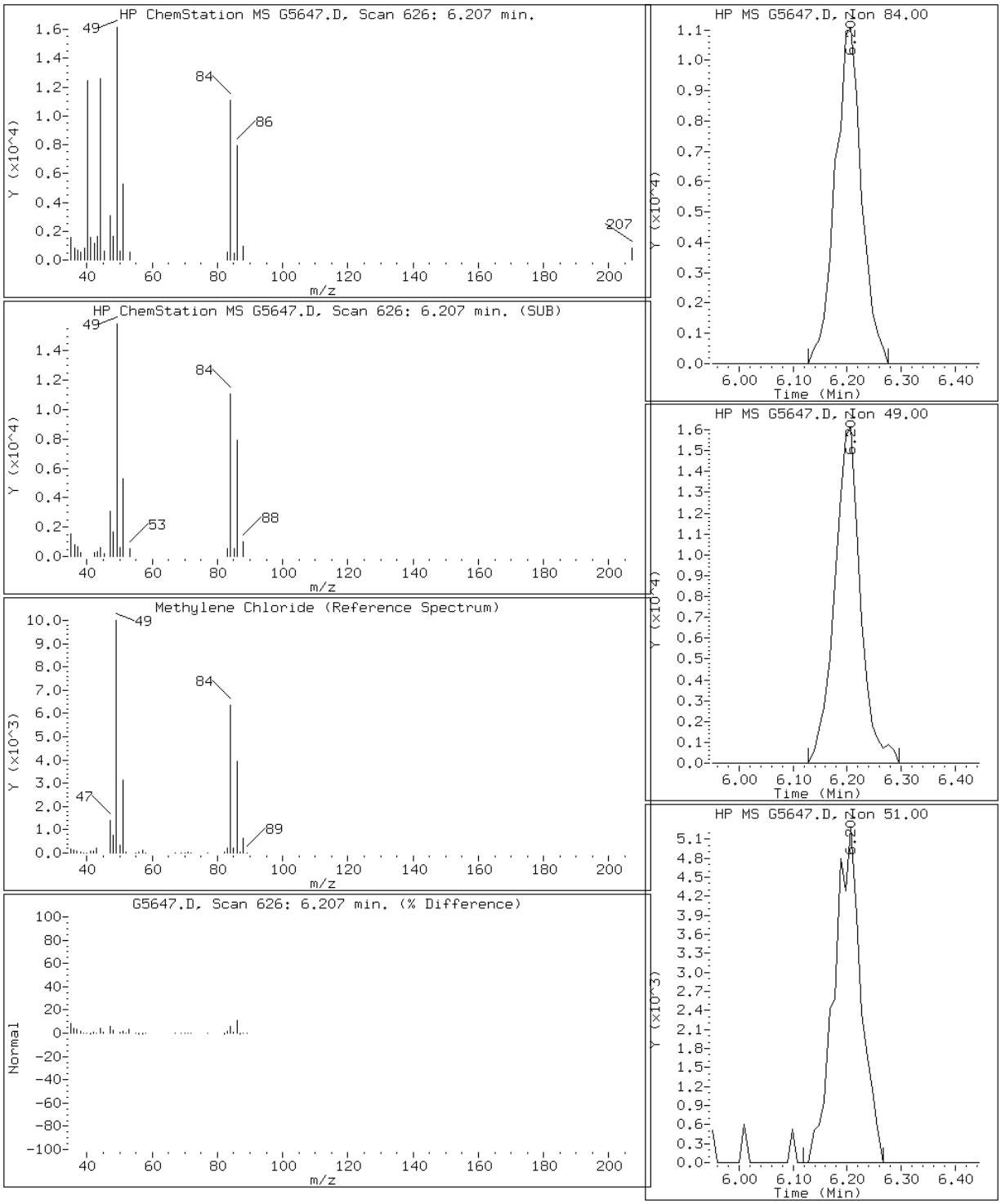
Data File: G5647.D

Date: 04-APR-2012 13:46

Client ID: UNK10201AA Instrument: G.i

Sample Info: 280-27123-b-2-a Operator: HUBBSL

29 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA | Lab Sample ID: 280-27123-3

Matrix: Solid | Lab File ID: G5648.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 10:45

Sample wt/vol: 4.876(g) | Date Analyzed: 04/04/2012 14:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 35.3 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.6	U Q	7.9	1.6	0.89
71-55-6	1,1,1-Trichloroethane	1.6	U	7.9	1.6	0.82
96-18-4	1,2,3-Trichloropropane	1.6	U Q	7.9	1.6	1.3
87-61-6	1,2,3-Trichlorobenzene	1.6	U Q	7.9	1.6	1.2
75-34-3	1,1-Dichloroethane	1.3	U	7.9	1.3	0.33
120-82-1	1,2,4-Trichlorobenzene	1.6	U Q	7.9	1.6	1.2
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U Q	16	1.6	0.95
563-58-6	1,1-Dichloropropene	1.6	U	7.9	1.6	0.86
75-35-4	1,1-Dichloroethene	1.6	U	7.9	1.6	0.93
79-00-5	1,1,2-Trichloroethane	1.6	U	7.9	1.6	1.4
79-34-5	1,1,2,2-Tetrachloroethane	1.6	U Q	7.9	1.6	0.97
95-63-6	1,2,4-Trimethylbenzene	1.6	U Q	7.9	1.6	0.92
95-50-1	1,2-Dichlorobenzene	1.6	U Q	7.9	1.6	0.71
107-06-2	1,2-Dichloroethane	1.6	U	7.9	1.6	1.1
541-73-1	1,3-Dichlorobenzene	1.6	U Q	7.9	1.6	0.76
142-28-9	1,3-Dichloropropane	1.6	U Q	7.9	1.6	0.81
108-67-8	1,3,5-Trimethylbenzene	1.6	U Q	7.9	1.6	0.90
78-93-3	2-Butanone (MEK)	10	U	32	10	2.9
106-46-7	1,4-Dichlorobenzene	1.6	U Q	7.9	1.6	1.2
78-87-5	1,2-Dichloropropane	1.6	U	7.9	1.6	0.87
594-20-7	2,2-Dichloropropane	1.6	U	7.9	1.6	0.70
591-78-6	2-Hexanone	16	U	32	16	7.7
108-10-1	4-Methyl-2-pentanone (MIBK)	16	U	32	16	6.9
99-87-6	4-Isopropyltoluene	1.6	U Q	7.9	1.6	0.78
71-43-2	Benzene	1.6	U	7.9	1.6	0.74
67-64-1	Acetone	16	U	32	16	8.5
108-86-1	Bromobenzene	1.6	U Q	7.9	1.6	0.78
75-25-2	Bromoform	1.3	U Q	7.9	1.3	0.36
74-83-9	Bromomethane	1.6	U	16	1.6	0.79
56-23-5	Carbon tetrachloride	1.6	U	7.9	1.6	1.0
75-15-0	Carbon disulfide	1.6	U	7.9	1.6	0.67
95-49-8	2-Chlorotoluene	1.6	U Q	7.9	1.6	0.81
106-43-4	4-Chlorotoluene	1.6	U Q	7.9	1.6	1.2
108-90-7	Chlorobenzene	1.6	U Q	7.9	1.6	0.86
74-97-5	Chlorobromomethane	1.6	U	7.9	1.6	0.48
124-48-1	Chlorodibromomethane	1.6	U Q	7.9	1.6	0.90

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA | Lab Sample ID: 280-27123-3

Matrix: Solid | Lab File ID: G5648.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 10:45

Sample wt/vol: 4.876(g) | Date Analyzed: 04/04/2012 14:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 35.3 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	1.6	U	16	1.6	0.46
75-00-3	Chloroethane	1.6	U	16	1.6	1.4
74-87-3	Chloromethane	1.6	U	16	1.6	1.2
156-59-2	cis-1,2-Dichloroethene	1.6	U	7.9	1.6	0.89
10061-01-5	cis-1,3-Dichloropropene	3.2	U	7.9	3.2	2.0
74-95-3	Dibromomethane	1.6	U	7.9	1.6	1.3
75-27-4	Dichlorobromomethane	1.3	U	7.9	1.3	0.35
75-71-8	Dichlorodifluoromethane	1.6	U	16	1.6	0.82
100-41-4	Ethylbenzene	1.6	U Q	7.9	1.6	1.1
87-68-3	Hexachlorobutadiene	1.6	U Q	7.9	1.6	0.87
98-82-8	Isopropylbenzene	1.6	U Q	7.9	1.6	0.93
106-93-4	Ethylene Dibromide	1.6	U Q	7.9	1.6	0.82
75-09-2	Methylene Chloride	4.2	J	7.9	5.1	2.5
1634-04-4	Methyl tert-butyl ether	1.6	U	32	1.6	0.54
179601-23-1	m-Xylene & p-Xylene	3.2	U Q	5.1	3.2	1.6
91-20-3	Naphthalene	1.6	U Q	7.9	1.6	1.0
104-51-8	n-Butylbenzene	1.6	U Q	7.9	1.6	0.89
103-65-1	N-Propylbenzene	1.6	U Q	7.9	1.6	0.92
95-47-6	o-Xylene	1.6	U Q	7.9	1.6	0.97
100-42-5	Styrene	1.6	U Q	7.9	1.6	1.0
135-98-8	sec-Butylbenzene	1.6	U Q	7.9	1.6	1.2
98-06-6	tert-Butylbenzene	1.6	U Q	7.9	1.6	0.79
156-60-5	trans-1,2-Dichloroethene	1.6	U	7.9	1.6	0.62
10061-02-6	trans-1,3-Dichloropropene	1.6	U	7.9	1.6	1.1
127-18-4	Tetrachloroethene	1.6	U Q	7.9	1.6	0.93
108-88-3	Toluene	1.6	U	7.9	1.6	1.1
79-01-6	Trichloroethene	1.3	U	7.9	1.3	0.36
75-69-4	Trichlorofluoromethane	3.2	U	16	3.2	1.6
75-01-4	Vinyl chloride	3.2	U	7.9	3.2	2.1
123-91-1	1,4-Dioxane	130	U	790	130	89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	32	U	32	32	0.71
544-10-5	1-Chlorohexane	1.3	U Q	7.9	1.3	1.0
110-82-7	Cyclohexane	2.5	U	7.9	2.5	0.63
79-20-9	Methyl acetate	6.3	U	13	6.3	4.4
108-87-2	Methylcyclohexane	1.3	U	7.9	1.3	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA Lab Sample ID: 280-27123-3

Matrix: Solid Lab File ID: G5648.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 10:45

Sample wt/vol: 4.876(g) Date Analyzed: 04/04/2012 14:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 35.3 Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	121	Q	85-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		61-129
460-00-4	4-Bromofluorobenzene (Surr)	135	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	100		71-126

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5648.D
Lab Smp Id: 280-27123-B-3-A Client Smp ID: UNK10301AA
Inj Date : 04-APR-2012 14:08
Operator : HUBBSL Inst ID: G.i
Smp Info : 280-27123-b-3-a
Misc Info : 280-27123-B-3-A
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 14:21 reinhardtj Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	4.876	Weight of sample (g)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
*	59 Fluorobenzene	96	8.182	8.170	(1.000)	2715056	50.0000	
*	85 Chlorobenzene-d5	119	10.846	10.833	(1.000)	468028	50.0000	
*	110 1,4-Dichlorobenzene-d4	152	12.907	12.895	(1.000)	351187	50.0000	
$	49 Dibromofluoromethane (Surr)	111	7.600	7.588	(0.929)	861973	49.8613	51.1293
$	55 1,2-Dichloroethane-d4	65	7.906	7.894	(0.966)	695596	47.8054	49.0211
$	73 Toluene-d8	98	9.544	9.531	(0.880)	2008807	60.2541	61.7864(R)
$	96 4-Bromofluorobenzene (Surr)	95	11.822	11.810	(0.916)	472388	67.4577	69.1732(R)
M	3 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	4 Xylene (total)	106	Compound Not Detected.					
M	1 1,3-Dichloropropene (total)	100	Compound Not Detected.					
M	2 Trihalomethanes (total)	100	Compound Not Detected.					
	5 dichlorodifluoromethane	85	Compound Not Detected.					
	6 1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
	7 Chloromethane	50	Compound Not Detected.					
	8 Vinyl Chloride	62	Compound Not Detected.					
	9 Ethylene Oxide	44	Compound Not Detected.					
	10 Bromomethane	94	Compound Not Detected.					
	11 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	14 Ethanol	45	Compound Not Detected.					
	15 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
	16 Ethyl Ether	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Trichlorotrifluoroethane	151	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
22 1,1-Dichloroethene	96	5.864	5.833	(0.717)	6884	0.42625	0.437085(aQ)
23 Iodomethane	142	Compound Not Detected.					
25 Methyl Acetate	43	Compound Not Detected.					
24 Acetonitrile	41	6.062	6.020	(0.741)	1181	0.83841	0.859728(a)
26 Allyl Chloride	41	6.062	6.109	(0.741)	5070	2.34426	2.40387(a)
27 Carbon Disulfide	76	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	6.200	6.198	(0.758)	43571	2.65083	2.71825(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	7.176	7.154	(0.877)	1092	0.06067	0.0622085(a)
40 2-Butanone	43	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
42 2-Butanol	45	Compound Not Detected.					
43 Propionitrile	54	Compound Not Detected.					
44 2,2-Dichloropropane	77	Compound Not Detected.					
45 Methacrylonitrile	41	Compound Not Detected.					
46 Bromochloromethane	128	Compound Not Detected.					
47 Chloroform	83	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
51 1,1,1-Trichloroethane	97	Compound Not Detected.					
50 Isobutanol	41	7.650	7.647	(0.935)	1820	3.65011	3.74293(aQ)
52 Cyclohexane	56	Compound Not Detected.					
53 1,1-Dichloropropene	75	Compound Not Detected.					
54 Carbon Tetrachloride	117	Compound Not Detected.					
57 TAME	73	Compound Not Detected.					
56 1,2-Dichloroethane	62	Compound Not Detected.					
58 Benzene	78	7.995	7.993	(0.977)	3109	0.06577	0.0674424(aQ)
60 n-Butanol	56	8.182	8.180	(1.000)	17464	35.9426	36.8566(aQ)
61 Trichloroethene	95	Compound Not Detected.					
62 2-Pentanone	43	Compound Not Detected.					
63 Methyl Methacrylate	100	Compound Not Detected.					
64 Methyl Cyclohexane	83	Compound Not Detected.					
65 1,2-Dichloropropane	63	Compound Not Detected.					
66 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Bromodichloromethane	83	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
71 cis-1,3-Dichloropropene	75	Compound Not Detected.					
72 4-Methyl-2-pentanone	43	Compound Not Detected.					
74 Toluene	91	Compound Not Detected.					
75 Ethyl methacrylate	69	Compound Not Detected.					
76 trans-1,3-Dichloropropene	75	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
77 1,1,2-Trichloroethane	97	Compound Not Detected.					
78 2-Hexanone	43	Compound Not Detected.					
79 1,3-Dichloropropane	76	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 Dibromochloromethane	129	Compound Not Detected.					
83 1,2-Dibromoethane	107	Compound Not Detected.					
84 1-Chlorohexane	91	Compound Not Detected.					
86 Chlorobenzene	112	Compound Not Detected.					
87 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
88 Ethylbenzene	106	Compound Not Detected.					
89 m and p-Xylene	106	Compound Not Detected.					
90 o-Xylene	106	Compound Not Detected.					
91 Styrene	104	Compound Not Detected.					
92 Bromoform	173	Compound Not Detected.					
93 isopropyl benzene	105	Compound Not Detected.					
94 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
95 Cyclohexanone	55	Compound Not Detected.					
97 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
98 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
99 1,2,3-Trichloropropane	110	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
101 n-Propylbenzene	120	Compound Not Detected.					
102 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103 2-Chlorotoluene	126	Compound Not Detected.					
104 4-Chlorotoluene	126	Compound Not Detected.					
105 tert-Butylbenzene	119	Compound Not Detected.					
106 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
107 sec-Butylbenzene	105	Compound Not Detected.					
108 4-Isopropyltoluene	119	Compound Not Detected.					
109 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 1,4-dichlorobenzene	146	Compound Not Detected.					
112 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
113 n-Butylbenzene	91	Compound Not Detected.					
114 1,2-Dichlorobenzene	146	Compound Not Detected.					
115 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
116 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
117 Hexachlorobutadiene	225	Compound Not Detected.					
118 Naphthalene	128	15.560	15.548	(1.206)	6687	0.54257	0.556372(a)
119 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

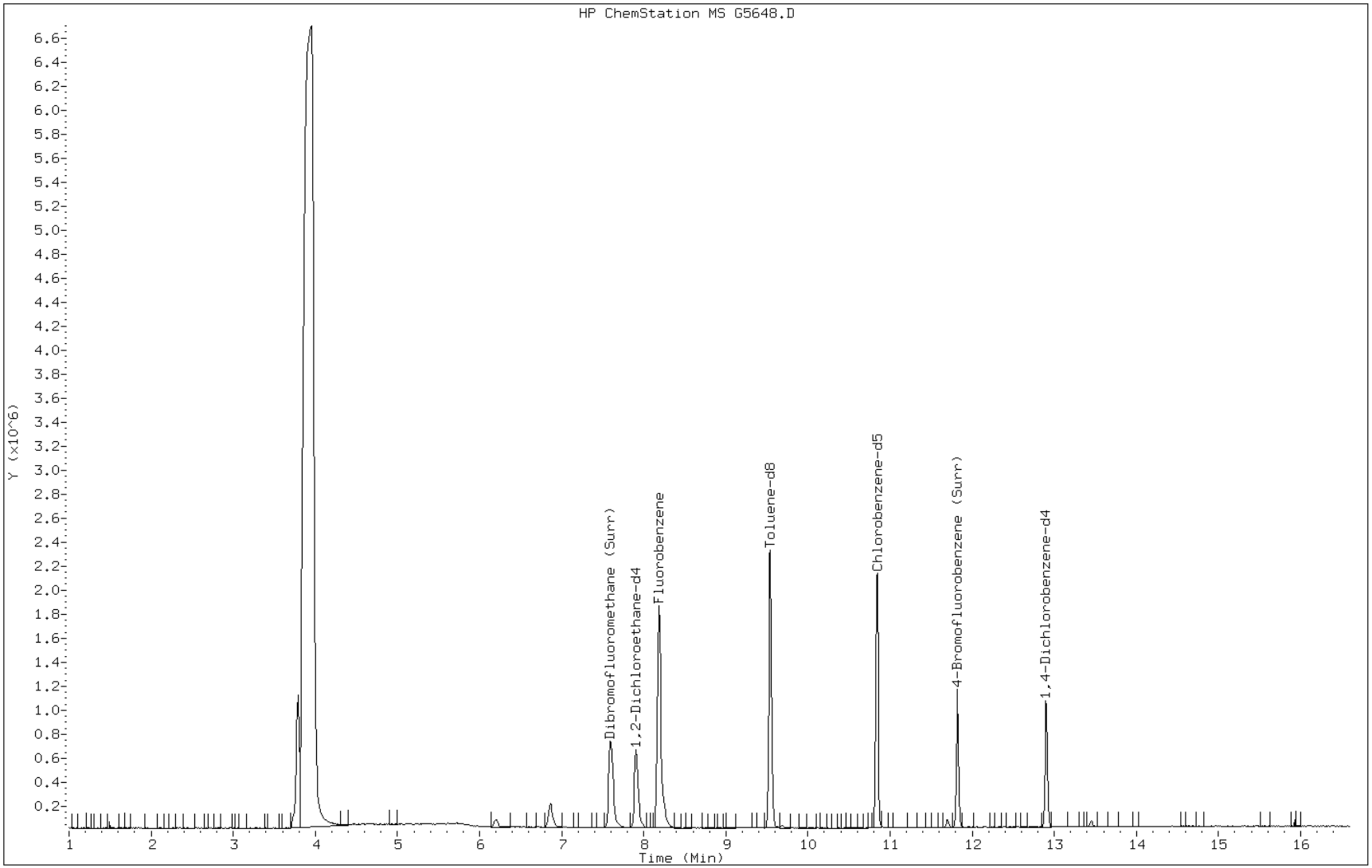
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: G5648.D

Date: 04-APR-2012 14:08

Client ID: UNK10301AA Instrument: G.i

Sample Info: 280-27123-b-3-a Operator: HUBBSL



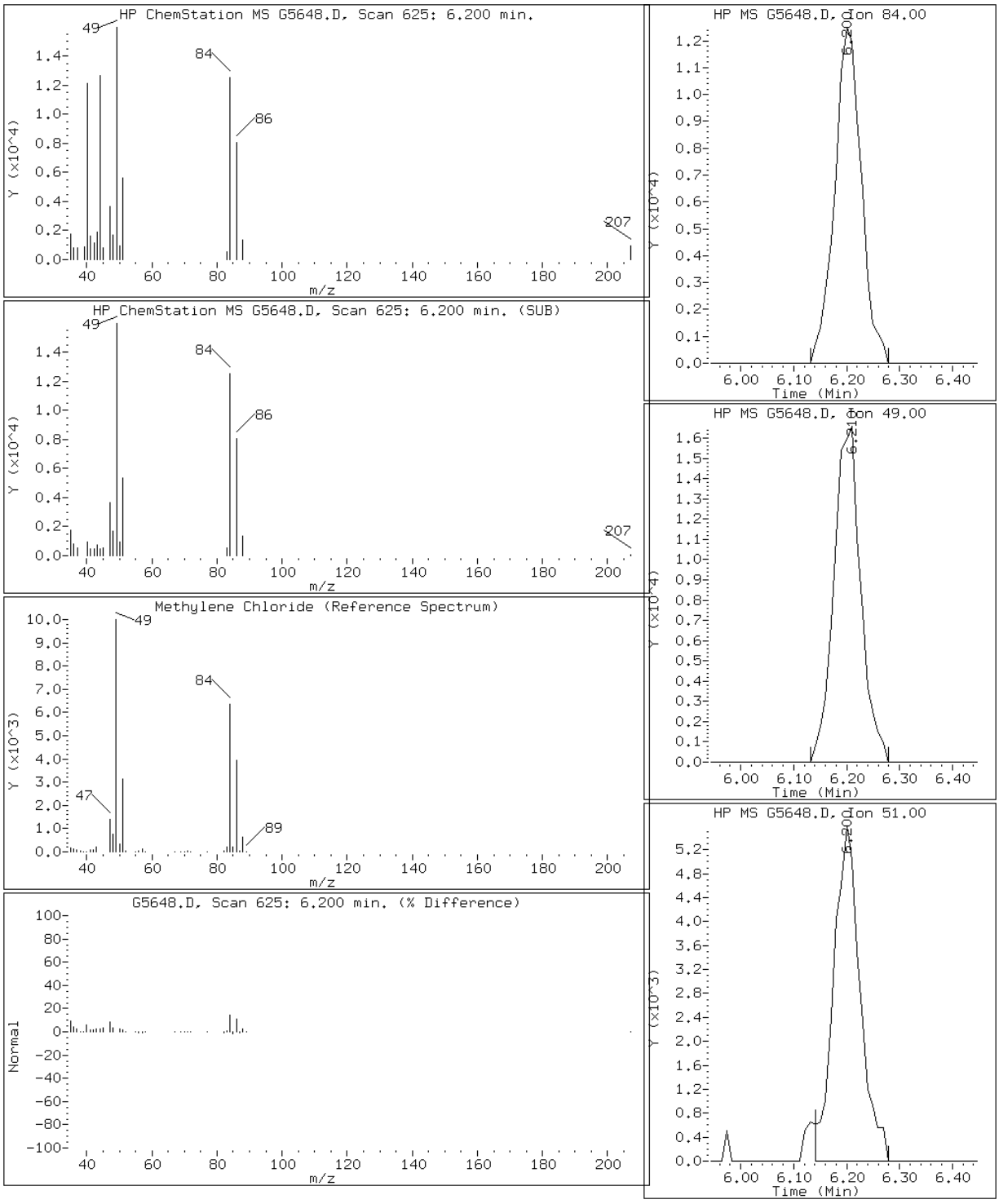
Data File: G5648.D

Date: 04-APR-2012 14:08

Client ID: UNK10301AA Instrument: G.i

Sample Info: 280-27123-b-3-a Operator: HUBBSL

29 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA | Lab Sample ID: 280-27123-4

Matrix: Solid | Lab File ID: G2_5390.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 11:20

Sample wt/vol: 5.092(g) | Date Analyzed: 04/06/2012 11:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 32.4 | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.5	U Q	7.3	1.5	0.81
71-55-6	1,1,1-Trichloroethane	1.5	U	7.3	1.5	0.76
96-18-4	1,2,3-Trichloropropane	1.5	U Q	7.3	1.5	1.2
87-61-6	1,2,3-Trichlorobenzene	1.5	U Q J	7.3	1.5	1.1
75-34-3	1,1-Dichloroethane	1.2	U	7.3	1.2	0.30
120-82-1	1,2,4-Trichlorobenzene	1.5	U Q J	7.3	1.5	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	1.5	U Q	15	1.5	0.87
563-58-6	1,1-Dichloropropene	1.5	U	7.3	1.5	0.78
75-35-4	1,1-Dichloroethene	1.5	U	7.3	1.5	0.86
79-00-5	1,1,2-Trichloroethane	1.5	U	7.3	1.5	1.3
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U Q	7.3	1.5	0.89
95-63-6	1,2,4-Trimethylbenzene	1.5	U Q	7.3	1.5	0.84
95-50-1	1,2-Dichlorobenzene	1.5	U Q J	7.3	1.5	0.65
107-06-2	1,2-Dichloroethane	1.5	U	7.3	1.5	1.0
541-73-1	1,3-Dichlorobenzene	1.5	U Q	7.3	1.5	0.70
142-28-9	1,3-Dichloropropane	1.5	U Q	7.3	1.5	0.74
108-67-8	1,3,5-Trimethylbenzene	1.5	U Q	7.3	1.5	0.83
78-93-3	2-Butanone (MEK)	9.3	U J	29	9.3	2.7
106-46-7	1,4-Dichlorobenzene	1.5	U Q J	7.3	1.5	1.1
78-87-5	1,2-Dichloropropane	1.5	U	7.3	1.5	0.80
594-20-7	2,2-Dichloropropane	1.5	U	7.3	1.5	0.64
591-78-6	2-Hexanone	15	U	29	15	7.1
108-10-1	4-Methyl-2-pentanone (MIBK)	15	U	29	15	6.3
99-87-6	4-Isopropyltoluene	1.5	U Q	7.3	1.5	0.71
71-43-2	Benzene	1.5	U	7.3	1.5	0.68
67-64-1	Acetone	15	U	29	15	7.8
108-86-1	Bromobenzene	1.5	U Q	7.3	1.5	0.71
75-25-2	Bromoform	1.2	U Q	7.3	1.2	0.33
74-83-9	Bromomethane	1.5	U	15	1.5	0.73
56-23-5	Carbon tetrachloride	1.5	U	7.3	1.5	0.91
75-15-0	Carbon disulfide	1.5	U	7.3	1.5	0.61
95-49-8	2-Chlorotoluene	1.5	U Q	7.3	1.5	0.74
106-43-4	4-Chlorotoluene	1.5	U Q	7.3	1.5	1.1
108-90-7	Chlorobenzene	1.5	U Q	7.3	1.5	0.78
74-97-5	Chlorobromomethane	1.5	U	7.3	1.5	0.44
124-48-1	Chlorodibromomethane	1.5	U Q	7.3	1.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA | Lab Sample ID: 280-27123-4

Matrix: Solid | Lab File ID: G2_5390.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 11:20

Sample wt/vol: 5.092(g) | Date Analyzed: 04/06/2012 11:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 32.4 | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	1.5	U	15	1.5	0.42
75-00-3	Chloroethane	1.5	U	15	1.5	1.3
74-87-3	Chloromethane	1.5	U	15	1.5	1.1
156-59-2	cis-1,2-Dichloroethene	1.5	U	7.3	1.5	0.81
10061-01-5	cis-1,3-Dichloropropene	2.9	U J	7.3	2.9	1.9
74-95-3	Dibromomethane	1.5	U	7.3	1.5	1.2
75-27-4	Dichlorobromomethane	1.2	U	7.3	1.2	0.32
75-71-8	Dichlorodifluoromethane	1.5	U	15	1.5	0.76
100-41-4	Ethylbenzene	1.5	U Q	7.3	1.5	0.97
87-68-3	Hexachlorobutadiene	1.5	U Q J	7.3	1.5	0.80
98-82-8	Isopropylbenzene	1.5	U Q	7.3	1.5	0.86
106-93-4	Ethylene Dibromide	1.5	U Q	7.3	1.5	0.76
75-09-2	Methylene Chloride	4.6	U	7.3	4.6	2.3
1634-04-4	Methyl tert-butyl ether	1.5	U	29	1.5	0.49
179601-23-1	m-Xylene & p-Xylene	2.9	U Q	4.6	2.9	1.5
91-20-3	Naphthalene	1.5	U Q J	7.3	1.5	0.91
104-51-8	n-Butylbenzene	1.5	U Q	7.3	1.5	0.81
103-65-1	N-Propylbenzene	1.5	U Q	7.3	1.5	0.84
95-47-6	o-Xylene	1.5	U Q	7.3	1.5	0.89
100-42-5	Styrene	1.5	U Q J	7.3	1.5	0.91
135-98-8	sec-Butylbenzene	1.5	U Q	7.3	1.5	1.1
98-06-6	tert-Butylbenzene	1.5	U Q	7.3	1.5	0.73
156-60-5	trans-1,2-Dichloroethene	1.5	U	7.3	1.5	0.57
10061-02-6	trans-1,3-Dichloropropene	1.5	U	7.3	1.5	0.97
127-18-4	Tetrachloroethene	1.5	U Q	7.3	1.5	0.86
108-88-3	Toluene	1.5	U	7.3	1.5	1.0
79-01-6	Trichloroethene	1.2	U	7.3	1.2	0.33
75-69-4	Trichlorofluoromethane	2.9	U	15	2.9	1.5
75-01-4	Vinyl chloride	2.9	U	7.3	2.9	1.9
123-91-1	1,4-Dioxane	120	U	730	120	81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29	U	29	29	0.65
544-10-5	1-Chlorohexane	1.2	U Q	7.3	1.2	0.91
110-82-7	Cyclohexane	2.3	U	7.3	2.3	0.58
79-20-9	Methyl acetate	5.8	U	12	5.8	4.0
108-87-2	Methylcyclohexane	1.2	U	7.3	1.2	0.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA Lab Sample ID: 280-27123-4

Matrix: Solid Lab File ID: G2_5390.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 11:20

Sample wt/vol: 5.092(g) Date Analyzed: 04/06/2012 11:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 32.4 Level: (low/med) Low

Analysis Batch No.: 114709 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	120	Q	85-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		61-129
460-00-4	4-Bromofluorobenzene (Surr)	121	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	87		71-126

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5390.D
Lab Smp Id: 280-27123-B-4-B Client Smp ID: UNK10401AA
Inj Date : 06-APR-2012 11:01
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : 280-27123-b-4-b
Misc Info : 280-27123-B-4-B
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\8260B-soil.m
Meth Date : 27-Mar-2012 05:45 Quant Type: ISTD
Cal Date : 24-MAR-2012 03:16 Cal File: G2_4886.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.092	Weight of sample (g)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
*	61 Fluorobenzene	96	7.745	7.745	(1.000)	1878589	50.0000	
*	87 Chlorobenzene-d5	119	10.012	10.005	(1.000)	310242	50.0000	
*	112 1,4-Dichlorobenzene-d4	152	11.864	11.849	(1.000)	308327	50.0000	
$	51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	546700	47.8911	47.0258
$	57 1,2-Dichloroethane-d4	65	7.480	7.481	(0.966)	591366	44.9940	44.1811
$	75 Toluene-d8	98	8.925	8.932	(0.891)	1889627	66.0877	64.8936(R)
$	98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.917)	414833	66.3303	65.1319(R)
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	2 Xylene (total)	106	Compound Not Detected.					
	6 dichlorodifluoromethane	85	Compound Not Detected.					
	7 1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
	8 Chloromethane	50	Compound Not Detected.					
	9 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	44	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	18 Ethyl Ether	59	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	20 Acrolein	56	Compound Not Detected.					
	24 1,1-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
22 2-Propanol	45	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
21 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
29 Carbon Disulfide	76	Compound Not Detected.					
26 Acetonitrile	41	Compound Not Detected.					
28 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
31 Methylene Chloride	84	Compound Not Detected.					
30 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
38 1,1-Dichloroethane	63	Compound Not Detected.					
36 Vinyl acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
43 2-Butanol	45	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 2,2-Dichloropropane	77	Compound Not Detected.					
41 Ethyl Acetate	43	Compound Not Detected.					
44 Propionitrile	54	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
50 Tetrahydrofuran	42	Compound Not Detected.					
49 Chloroform	83	Compound Not Detected.					
53 1,1,1-Trichloroethane	97	Compound Not Detected.					
54 Cyclohexane	56	Compound Not Detected.					
55 1,1-Dichloropropene	75	Compound Not Detected.					
56 Carbon Tetrachloride	117	Compound Not Detected.					
52 Isobutanol	41	Compound Not Detected.					
60 Benzene	78	Compound Not Detected.					
58 1,2-Dichloroethane	62	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
62 n-Butanol	56	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
67 Methyl Cyclohexane	83	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
65 Methyl Methacrylate	100	Compound Not Detected.					
69 Dibromomethane	93	Compound Not Detected.					
68 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
71 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
78 trans-1,3-Dichloropropene	75	Compound Not Detected.					
77 Ethyl methacrylate	69	Compound Not Detected.					
80 1,1,2-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
83	Tetrachloroethene	164	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	1,2-Dibromoethane	107	Compound Not Detected.					
86	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
102	Bromobenzene	156	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
100	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
105	2-Chlorotoluene	126	Compound Not Detected.					
104	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	105	Compound Not Detected.					
111	1,3-Dichlorobenzene	146	Compound Not Detected.					
110	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
114	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

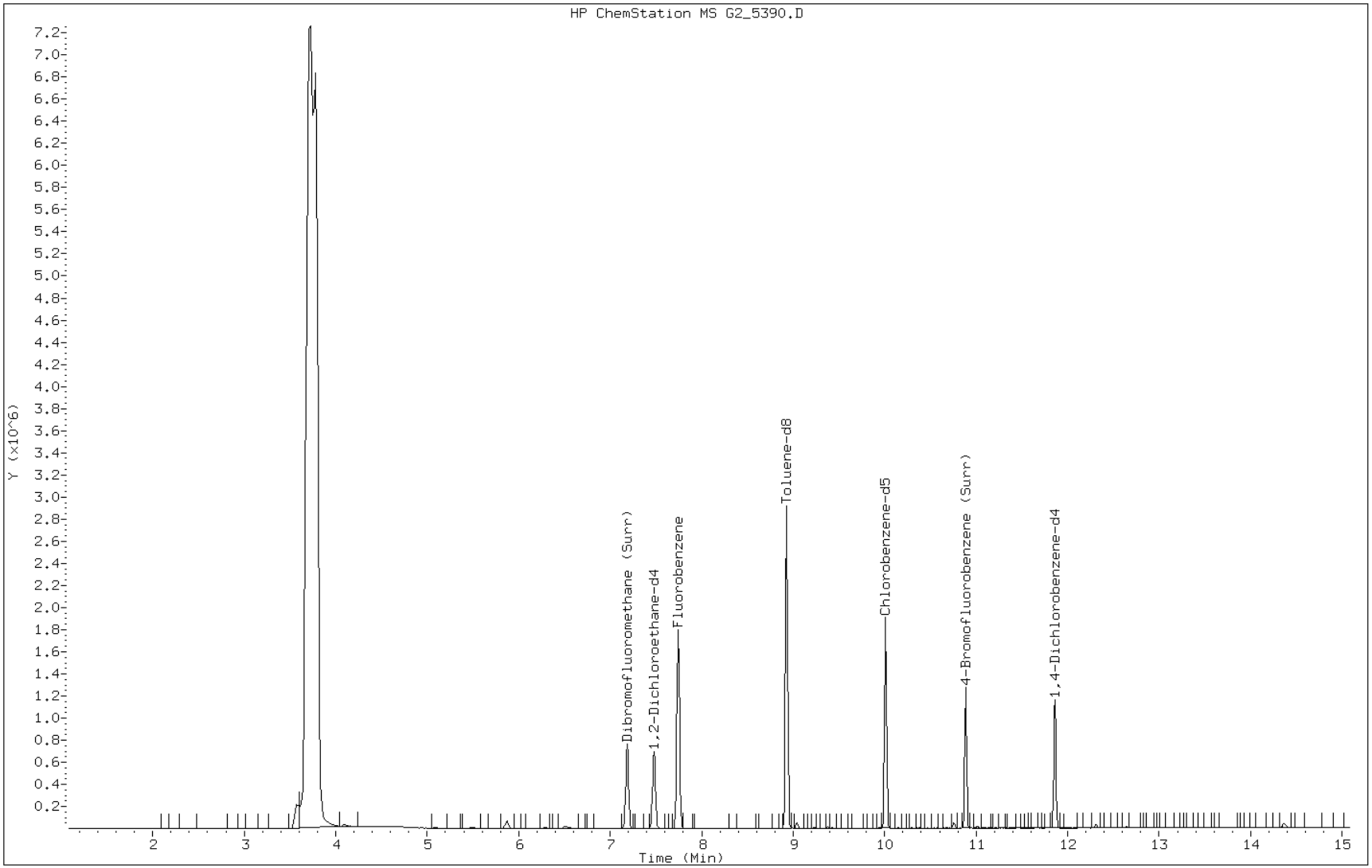
R - Spike/Surrogate failed recovery limits.

Data File: G2_5390.D

Date: 06-APR-2012 11:01

Client ID: UNK10401AA Instrument: GCMS2.i

Sample Info: 280-27123-b-4-b Operator: REINHARDT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA | Lab Sample ID: 280-27123-5

Matrix: Solid | Lab File ID: G5660.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 11:50

Sample wt/vol: 4.536(g) | Date Analyzed: 04/04/2012 18:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 36.0 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.7	U	8.6	1.7	0.96
71-55-6	1,1,1-Trichloroethane	1.7	U	8.6	1.7	0.90
96-18-4	1,2,3-Trichloropropane	1.7	U Q	8.6	1.7	1.4
87-61-6	1,2,3-Trichlorobenzene	1.7	U Q	8.6	1.7	1.3
75-34-3	1,1-Dichloroethane	1.4	U	8.6	1.4	0.36
120-82-1	1,2,4-Trichlorobenzene	1.7	U Q	8.6	1.7	1.3
96-12-8	1,2-Dibromo-3-Chloropropane	1.7	U Q	17	1.7	1.0
563-58-6	1,1-Dichloropropene	1.7	U	8.6	1.7	0.93
75-35-4	1,1-Dichloroethene	1.7	U	8.6	1.7	1.0
79-00-5	1,1,2-Trichloroethane	1.7	U	8.6	1.7	1.5
79-34-5	1,1,2,2-Tetrachloroethane	1.7	U Q	8.6	1.7	1.1
95-63-6	1,2,4-Trimethylbenzene	1.7	U Q	8.6	1.7	1.0
95-50-1	1,2-Dichlorobenzene	1.7	U Q	8.6	1.7	0.78
107-06-2	1,2-Dichloroethane	1.7	U	8.6	1.7	1.2
541-73-1	1,3-Dichlorobenzene	1.7	U Q	8.6	1.7	0.83
142-28-9	1,3-Dichloropropane	1.7	U	8.6	1.7	0.88
108-67-8	1,3,5-Trimethylbenzene	1.7	U Q	8.6	1.7	0.98
78-93-3	2-Butanone (MEK)	11	U	34	11	3.2
106-46-7	1,4-Dichlorobenzene	1.7	U Q	8.6	1.7	1.3
78-87-5	1,2-Dichloropropane	1.7	U	8.6	1.7	0.95
594-20-7	2,2-Dichloropropane	1.7	U	8.6	1.7	0.76
591-78-6	2-Hexanone	17	U	34	17	8.4
108-10-1	4-Methyl-2-pentanone (MIBK)	17	U	34	17	7.5
99-87-6	4-Isopropyltoluene	1.7	U Q	8.6	1.7	0.84
71-43-2	Benzene	1.7	U	8.6	1.7	0.81
67-64-1	Acetone	17	U	34	17	9.3
108-86-1	Bromobenzene	1.7	U Q	8.6	1.7	0.84
75-25-2	Bromoform	1.4	U	8.6	1.4	0.40
74-83-9	Bromomethane	1.7	U	17	1.7	0.86
56-23-5	Carbon tetrachloride	1.7	U	8.6	1.7	1.1
75-15-0	Carbon disulfide	1.7	U	8.6	1.7	0.72
95-49-8	2-Chlorotoluene	1.7	U Q	8.6	1.7	0.88
106-43-4	4-Chlorotoluene	1.7	U Q	8.6	1.7	1.3
108-90-7	Chlorobenzene	1.7	U	8.6	1.7	0.93
74-97-5	Chlorobromomethane	1.7	U	8.6	1.7	0.52
124-48-1	Chlorodibromomethane	1.7	U	8.6	1.7	0.98

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA | Lab Sample ID: 280-27123-5

Matrix: Solid | Lab File ID: G5660.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 11:50

Sample wt/vol: 4.536(g) | Date Analyzed: 04/04/2012 18:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 36.0 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	1.7	U	17	1.7	0.50
75-00-3	Chloroethane	1.7	U	17	1.7	1.5
74-87-3	Chloromethane	1.7	U	17	1.7	1.3
156-59-2	cis-1,2-Dichloroethene	1.7	U	8.6	1.7	0.96
10061-01-5	cis-1,3-Dichloropropene	3.4	U	8.6	3.4	2.2
74-95-3	Dibromomethane	1.7	U	8.6	1.7	1.4
75-27-4	Dichlorobromomethane	1.4	U	8.6	1.4	0.38
75-71-8	Dichlorodifluoromethane	1.7	U	17	1.7	0.90
100-41-4	Ethylbenzene	1.7	U	8.6	1.7	1.2
87-68-3	Hexachlorobutadiene	1.7	U Q	8.6	1.7	0.95
98-82-8	Isopropylbenzene	1.7	U Q	8.6	1.7	1.0
106-93-4	Ethylene Dibromide	1.7	U	8.6	1.7	0.90
75-09-2	Methylene Chloride	5.5	U	8.6	5.5	2.8
1634-04-4	Methyl tert-butyl ether	1.7	U	34	1.7	0.59
179601-23-1	m-Xylene & p-Xylene	3.4	U	5.5	3.4	1.8
91-20-3	Naphthalene	1.6	J Q	8.6	1.7	1.1
104-51-8	n-Butylbenzene	1.7	U Q	8.6	1.7	0.96
103-65-1	N-Propylbenzene	1.7	U Q	8.6	1.7	1.0
95-47-6	o-Xylene	1.7	U	8.6	1.7	1.1
100-42-5	Styrene	1.7	U	8.6	1.7	1.1
135-98-8	sec-Butylbenzene	1.7	U Q	8.6	1.7	1.3
98-06-6	tert-Butylbenzene	1.7	U Q	8.6	1.7	0.86
156-60-5	trans-1,2-Dichloroethene	1.7	U	8.6	1.7	0.67
10061-02-6	trans-1,3-Dichloropropene	1.7	U	8.6	1.7	1.2
127-18-4	Tetrachloroethene	1.7	U	8.6	1.7	1.0
108-88-3	Toluene	1.7	U	8.6	1.7	1.2
79-01-6	Trichloroethene	1.4	U	8.6	1.4	0.40
75-69-4	Trichlorofluoromethane	3.4	U	17	3.4	1.8
75-01-4	Vinyl chloride	3.4	U	8.6	3.4	2.3
123-91-1	1,4-Dioxane	140	U	860	140	97
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	34	U	34	34	0.78
544-10-5	1-Chlorohexane	1.4	U	8.6	1.4	1.1
110-82-7	Cyclohexane	2.8	U	8.6	2.8	0.69
79-20-9	Methyl acetate	6.9	U	15	6.9	4.7
108-87-2	Methylcyclohexane	1.4	U	8.6	1.4	0.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA Lab Sample ID: 280-27123-5

Matrix: Solid Lab File ID: G5660.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 11:50

Sample wt/vol: 4.536(g) Date Analyzed: 04/04/2012 18:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 36.0 Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		85-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		61-129
460-00-4	4-Bromofluorobenzene (Surr)	126	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	95		71-126

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5660.D
Lab Smp Id: 280-27123-B-5-A Client Smp ID: UNK10501AA
Inj Date : 04-APR-2012 18:23
Operator : HUBBSL Inst ID: G.i
Smp Info : 280-27123-b-5-a
Misc Info : 280-27123-B-5-A
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 05-Apr-2012 05:53 reinhardtj Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	4.536	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
*	59 Fluorobenzene	96	8.180	8.170	(1.000)	2835046	50.0000	
*	85 Chlorobenzene-d5	119	10.843	10.833	(1.000)	525458	50.0000	
*	110 1,4-Dichlorobenzene-d4	152	12.895	12.895	(1.000)	421091	50.0000	
$	49 Dibromofluoromethane (Surr)	111	7.598	7.588	(0.929)	853729	47.2943	52.1322
$	55 1,2-Dichloroethane-d4	65	7.904	7.894	(0.966)	716984	47.1898	52.0170
$	73 Toluene-d8	98	9.541	9.531	(0.880)	1981310	52.9340	58.3488
$	96 4-Bromofluorobenzene (Surr)	95	11.820	11.810	(0.917)	527688	62.8452	69.2738(R)
M	3 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	4 Xylene (total)	106	Compound Not Detected.					
M	1 1,3-Dichloropropene (total)	100	Compound Not Detected.					
M	2 Trihalomethanes (total)	100	Compound Not Detected.					
	5 dichlorodifluoromethane	85	Compound Not Detected.					
	6 1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
	7 Chloromethane	50	Compound Not Detected.					
	8 Vinyl Chloride	62	Compound Not Detected.					
	9 Ethylene Oxide	44	Compound Not Detected.					
	10 Bromomethane	94	Compound Not Detected.					
	11 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	14 Ethanol	45	Compound Not Detected.					
	15 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
	16 Ethyl Ether	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Trichlorotrifluoroethane	151	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
22 1,1-Dichloroethene	96	5.843	5.833	(0.714)	4990	0.29590	0.326163(aQ)
21 2-Propanol	45	Compound Not Detected.					
23 Iodomethane	142	Compound Not Detected.					
25 Methyl Acetate	43	Compound Not Detected.					
24 Acetonitrile	41	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
27 Carbon Disulfide	76	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	6.198	6.198	(0.758)	23553	1.37230	1.51268(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
42 2-Butanol	45	Compound Not Detected.					
43 Propionitrile	54	Compound Not Detected.					
44 2,2-Dichloropropane	77	Compound Not Detected.					
45 Methacrylonitrile	41	Compound Not Detected.					
46 Bromochloromethane	128	Compound Not Detected.					
47 Chloroform	83	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
51 1,1,1-Trichloroethane	97	Compound Not Detected.					
50 Isobutanol	41	Compound Not Detected.					
52 Cyclohexane	56	Compound Not Detected.					
53 1,1-Dichloropropene	75	Compound Not Detected.					
54 Carbon Tetrachloride	117	Compound Not Detected.					
57 TAME	73	Compound Not Detected.					
56 1,2-Dichloroethane	62	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
60 n-Butanol	56	Compound Not Detected.					
61 Trichloroethene	95	Compound Not Detected.					
62 2-Pentanone	43	Compound Not Detected.					
63 Methyl Methacrylate	100	Compound Not Detected.					
64 Methyl Cyclohexane	83	Compound Not Detected.					
65 1,2-Dichloropropane	63	Compound Not Detected.					
66 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Bromodichloromethane	83	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 2-nitropropane	41	Compound Not Detected.					
71 cis-1,3-Dichloropropene	75	Compound Not Detected.					
72 4-Methyl-2-pentanone	43	Compound Not Detected.					
74 Toluene	91	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
75	Ethyl methacrylate	69	Compound Not Detected.					
76	trans-1,3-Dichloropropene	75	Compound Not Detected.					
77	1,1,2-Trichloroethane	97	Compound Not Detected.					
78	2-Hexanone	43	10.054	10.044	(0.927)	10792	1.15118	1.26894(aQ)
79	1,3-Dichloropropane	76	Compound Not Detected.					
80	Tetrachloroethene	164	Compound Not Detected.					
81	Dibromochloromethane	129	Compound Not Detected.					
83	1,2-Dibromoethane	107	Compound Not Detected.					
84	1-Chlorohexane	91	Compound Not Detected.					
86	Chlorobenzene	112	Compound Not Detected.					
87	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
88	Ethylbenzene	106	Compound Not Detected.					
89	m and p-Xylene	106	Compound Not Detected.					
90	o-Xylene	106	Compound Not Detected.					
91	Styrene	104	Compound Not Detected.					
92	Bromoform	173	Compound Not Detected.					
93	isopropyl benzene	105	Compound Not Detected.					
94	cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
95	Cyclohexanone	55	Compound Not Detected.					
97	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
98	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
99	1,2,3-Trichloropropane	110	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
101	n-Propylbenzene	120	Compound Not Detected.					
102	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103	2-Chlorotoluene	126	Compound Not Detected.					
104	4-Chlorotoluene	126	Compound Not Detected.					
105	tert-Butylbenzene	119	Compound Not Detected.					
106	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
107	sec-Butylbenzene	105	Compound Not Detected.					
108	4-Isopropyltoluene	119	Compound Not Detected.					
109	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	1,4-dichlorobenzene	146	Compound Not Detected.					
112	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
113	n-Butylbenzene	91	Compound Not Detected.					
114	1,2-Dichlorobenzene	146	Compound Not Detected.					
115	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
116	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
117	Hexachlorobutadiene	225	Compound Not Detected.					
118	Naphthalene	128	15.558	15.548	(1.207)	13478	0.91204	1.00534(a)
119	1,2,3-Trichlorobenzene	180	15.903	15.893	(1.233)	3395	0.64043	0.705946(a)

QC Flag Legend

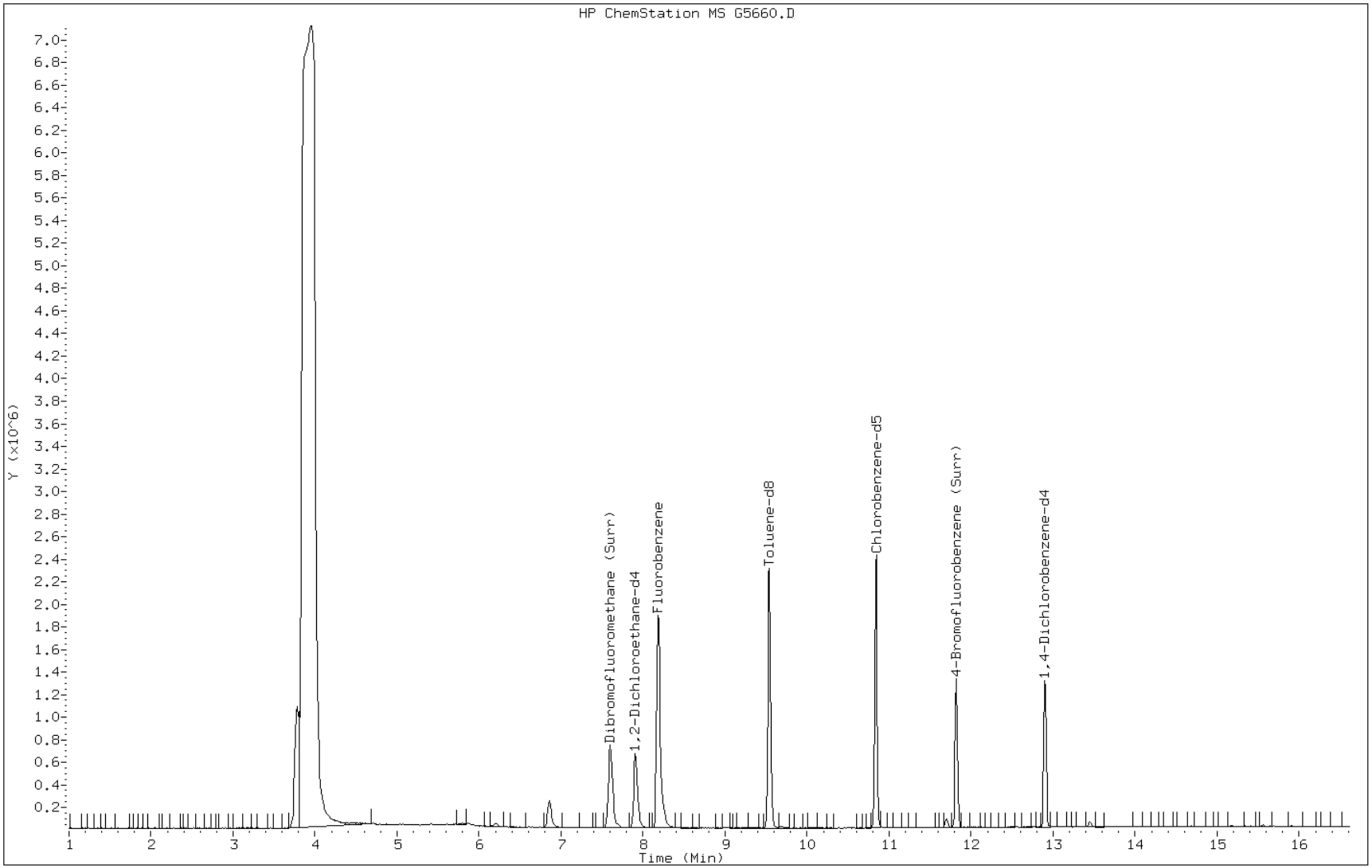
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: G5660.D

Date: 04-APR-2012 18:23

Client ID: UNK10501AA Instrument: G.i

Sample Info: 280-27123-b-5-a Operator: HUBBSL



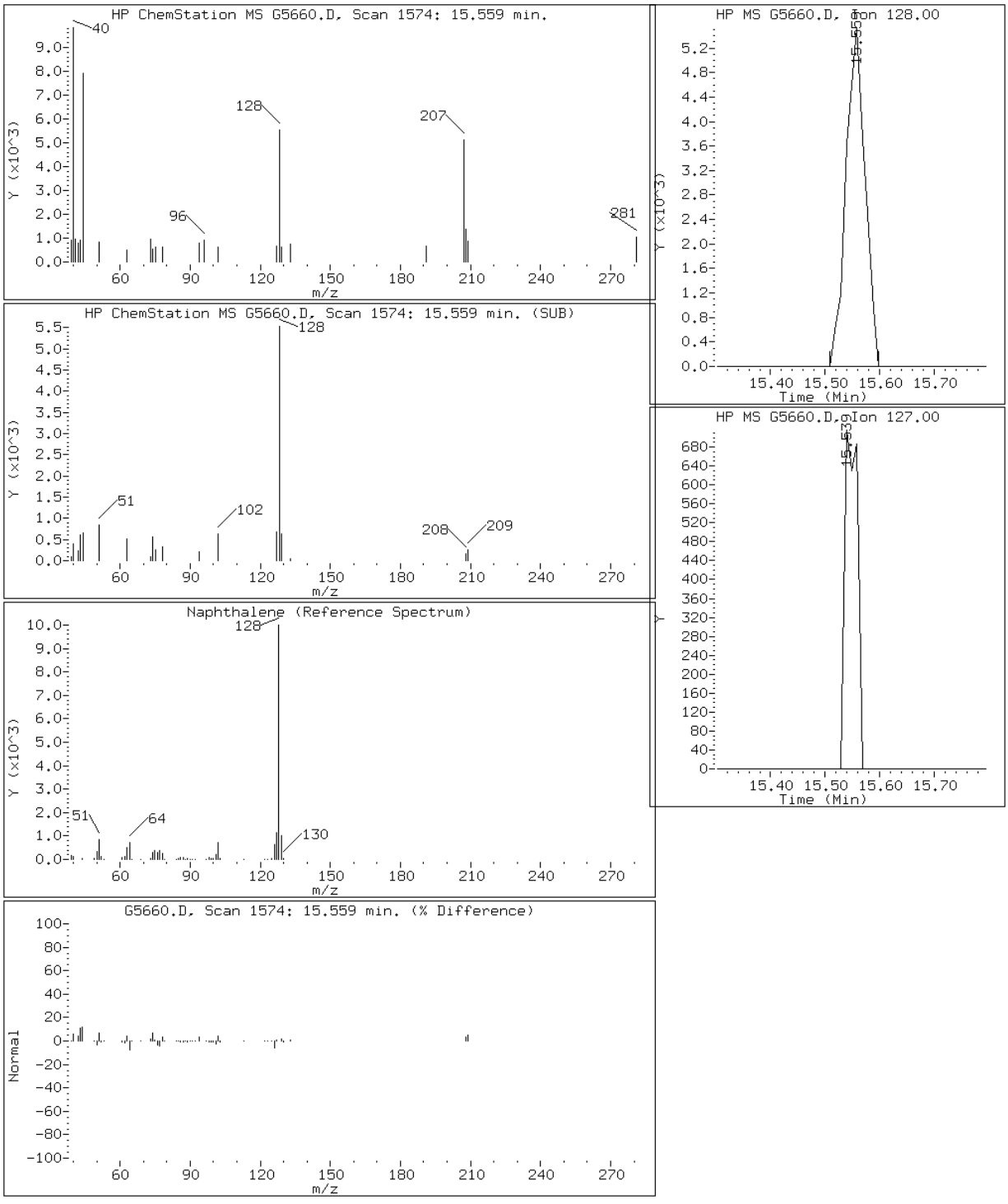
Data File: G5660.D

Date: 04-APR-2012 18:23

Client ID: UNK10501AA Instrument: G.i

Sample Info: 280-27123-b-5-a Operator: HUBBSL

118 Naphthalene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA | Lab Sample ID: 280-27123-6

Matrix: Solid | Lab File ID: G5656.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:00

Sample wt/vol: 4.834(g) | Date Analyzed: 04/04/2012 16:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 16.8 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U	6.2	1.2	0.70
71-55-6	1,1,1-Trichloroethane	1.2	U	6.2	1.2	0.65
96-18-4	1,2,3-Trichloropropane	1.2	U	6.2	1.2	1.0
87-61-6	1,2,3-Trichlorobenzene	1.2	U J	6.2	1.2	0.93
75-34-3	1,1-Dichloroethane	0.99	U	6.2	0.99	0.26
120-82-1	1,2,4-Trichlorobenzene	1.2	U J	6.2	1.2	0.91
96-12-8	1,2-Dibromo-3-Chloropropane	1.2	U	12	1.2	0.75
563-58-6	1,1-Dichloropropene	1.2	U	6.2	1.2	0.67
75-35-4	1,1-Dichloroethene	1.2	U	6.2	1.2	0.73
79-00-5	1,1,2-Trichloroethane	1.2	U	6.2	1.2	1.1
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	6.2	1.2	0.76
95-63-6	1,2,4-Trimethylbenzene	1.2	U	6.2	1.2	0.72
95-50-1	1,2-Dichlorobenzene	1.2	U	6.2	1.2	0.56
107-06-2	1,2-Dichloroethane	1.2	U	6.2	1.2	0.87
541-73-1	1,3-Dichlorobenzene	1.2	U	6.2	1.2	0.60
142-28-9	1,3-Dichloropropane	1.2	U	6.2	1.2	0.63
108-67-8	1,3,5-Trimethylbenzene	1.2	U	6.2	1.2	0.71
78-93-3	2-Butanone (MEK)	8.0	U J	25	8.0	2.3
106-46-7	1,4-Dichlorobenzene	1.2	U	6.2	1.2	0.97
78-87-5	1,2-Dichloropropane	1.2	U	6.2	1.2	0.68
594-20-7	2,2-Dichloropropane	1.2	U	6.2	1.2	0.55
591-78-6	2-Hexanone	12	U	25	12	6.1
108-10-1	4-Methyl-2-pentanone (MIBK)	12	U	25	12	5.4
99-87-6	4-Isopropyltoluene	1.2	U	6.2	1.2	0.61
71-43-2	Benzene	1.2	U	6.2	1.2	0.58
67-64-1	Acetone	12	U	25	12	6.7
108-86-1	Bromobenzene	1.2	U	6.2	1.2	0.61
75-25-2	Bromoform	0.99	U	6.2	0.99	0.29
74-83-9	Bromomethane	1.2	U	12	1.2	0.62
56-23-5	Carbon tetrachloride	1.2	U	6.2	1.2	0.78
75-15-0	Carbon disulfide	1.2	U	6.2	1.2	0.52
95-49-8	2-Chlorotoluene	1.2	U	6.2	1.2	0.63
106-43-4	4-Chlorotoluene	1.2	U	6.2	1.2	0.97
108-90-7	Chlorobenzene	1.2	U	6.2	1.2	0.67
74-97-5	Chlorobromomethane	1.2	U	6.2	1.2	0.37
124-48-1	Chlorodibromomethane	1.2	U	6.2	1.2	0.71

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA | Lab Sample ID: 280-27123-6

Matrix: Solid | Lab File ID: G5656.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:00

Sample wt/vol: 4.834(g) | Date Analyzed: 04/04/2012 16:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 16.8 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	1.2	U	12	1.2	0.36
75-00-3	Chloroethane	1.2	U	12	1.2	1.1
74-87-3	Chloromethane	1.2	U	12	1.2	0.96
156-59-2	cis-1,2-Dichloroethene	1.2	U	6.2	1.2	0.70
10061-01-5	cis-1,3-Dichloropropene	2.5	U	6.2	2.5	1.6
74-95-3	Dibromomethane	1.2	U	6.2	1.2	1.0
75-27-4	Dichlorobromomethane	0.99	U	6.2	0.99	0.27
75-71-8	Dichlorodifluoromethane	1.2	U	12	1.2	0.65
100-41-4	Ethylbenzene	1.2	U	6.2	1.2	0.83
87-68-3	Hexachlorobutadiene	1.2	U	6.2	1.2	0.68
98-82-8	Isopropylbenzene	1.2	U	6.2	1.2	0.73
106-93-4	Ethylene Dibromide	1.2	U	6.2	1.2	0.65
75-09-2	Methylene Chloride	3.0	J	6.2	4.0	2.0
1634-04-4	Methyl tert-butyl ether	1.2	U	25	1.2	0.42
179601-23-1	m-Xylene & p-Xylene	2.5	U	4.0	2.5	1.3
91-20-3	Naphthalene	1.2	U	6.2	1.2	0.78
104-51-8	n-Butylbenzene	1.2	U	6.2	1.2	0.70
103-65-1	N-Propylbenzene	1.2	U	6.2	1.2	0.72
95-47-6	o-Xylene	1.2	U	6.2	1.2	0.76
100-42-5	Styrene	1.2	U	6.2	1.2	0.78
135-98-8	sec-Butylbenzene	1.2	U	6.2	1.2	0.96
98-06-6	tert-Butylbenzene	1.2	U	6.2	1.2	0.62
156-60-5	trans-1,2-Dichloroethene	1.2	U	6.2	1.2	0.48
10061-02-6	trans-1,3-Dichloropropene	1.2	U	6.2	1.2	0.83
127-18-4	Tetrachloroethene	1.2	U	6.2	1.2	0.73
108-88-3	Toluene	1.2	U	6.2	1.2	0.86
79-01-6	Trichloroethene	0.99	U	6.2	0.99	0.29
75-69-4	Trichlorofluoromethane	2.5	U	12	2.5	1.3
75-01-4	Vinyl chloride	2.5	U	6.2	2.5	1.7
123-91-1	1,4-Dioxane	99	U	620	99	70
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25	U	25	25	0.56
544-10-5	1-Chlorohexane	0.99	U	6.2	0.99	0.78
110-82-7	Cyclohexane	2.0	U	6.2	2.0	0.50
79-20-9	Methyl acetate	5.0	U	11	5.0	3.4
108-87-2	Methylcyclohexane	0.99	U	6.2	0.99	0.52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA Lab Sample ID: 280-27123-6

Matrix: Solid Lab File ID: G5656.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 12:00

Sample wt/vol: 4.834(g) Date Analyzed: 04/04/2012 16:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 16.8 Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		85-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		61-129
460-00-4	4-Bromofluorobenzene (Surr)	99		85-120
1868-53-7	Dibromofluoromethane (Surr)	92		71-126

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5656.D
Lab Smp Id: 280-27123-B-6-A Client Smp ID: UNK10502AA
Inj Date : 04-APR-2012 16:58
Operator : HUBBSL Inst ID: G.i
Smp Info : 280-27123-b-6-a
Misc Info : 280-27123-B-6-A
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 05-Apr-2012 05:53 reinhardtj Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	4.834	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 59	Fluorobenzene	96	8.184	8.170	(1.000)	2993845	50.0000	
* 85	Chlorobenzene-d5	119	10.838	10.833	(1.000)	677091	50.0000	
* 110	1,4-Dichlorobenzene-d4	152	12.899	12.895	(1.000)	812346	50.0000	
$ 49	Dibromofluoromethane (Surr)	111	7.602	7.588	(0.929)	880578	46.1942	47.7805
$ 55	1,2-Dichloroethane-d4	65	7.908	7.894	(0.966)	726354	45.2708	46.8254
$ 73	Toluene-d8	98	9.536	9.531	(0.880)	2254610	46.7460	48.3513
$ 96	4-Bromofluorobenzene (Surr)	95	11.814	11.810	(0.916)	802197	49.5235	51.2241
M 3	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 4	Xylene (total)	106	Compound Not Detected.					
M 1	1,3-Dichloropropene (total)	100	Compound Not Detected.					
M 2	Trihalomethanes (total)	100	Compound Not Detected.					
5	dichlorodifluoromethane	85	Compound Not Detected.					
6	1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
7	Chloromethane	50	Compound Not Detected.					
8	Vinyl Chloride	62	Compound Not Detected.					
9	Ethylene Oxide	44	Compound Not Detected.					
10	Bromomethane	94	Compound Not Detected.					
11	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Ethanol	45	Compound Not Detected.					
15	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
16	Ethyl Ether	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Trichlorotrifluoroethane	151	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
22 1,1-Dichloroethene	96	Compound Not Detected.					
21 2-Propanol	45	Compound Not Detected.					
23 Iodomethane	142	Compound Not Detected.					
25 Methyl Acetate	43	Compound Not Detected.					
24 Acetonitrile	41	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
27 Carbon Disulfide	76	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	6.202	6.198	(0.758)	44256	2.44178	2.52563(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
42 2-Butanol	45	Compound Not Detected.					
43 Propionitrile	54	Compound Not Detected.					
44 2,2-Dichloropropane	77	Compound Not Detected.					
45 Methacrylonitrile	41	Compound Not Detected.					
46 Bromochloromethane	128	Compound Not Detected.					
47 Chloroform	83	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
51 1,1,1-Trichloroethane	97	Compound Not Detected.					
50 Isobutanol	41	Compound Not Detected.					
52 Cyclohexane	56	Compound Not Detected.					
53 1,1-Dichloropropene	75	Compound Not Detected.					
54 Carbon Tetrachloride	117	Compound Not Detected.					
57 TAME	73	Compound Not Detected.					
56 1,2-Dichloroethane	62	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
60 n-Butanol	56	Compound Not Detected.					
61 Trichloroethene	95	Compound Not Detected.					
62 2-Pentanone	43	Compound Not Detected.					
63 Methyl Methacrylate	100	Compound Not Detected.					
64 Methyl Cyclohexane	83	Compound Not Detected.					
65 1,2-Dichloropropane	63	Compound Not Detected.					
66 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Bromodichloromethane	83	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 2-nitropropane	41	Compound Not Detected.					
71 cis-1,3-Dichloropropene	75	Compound Not Detected.					
72 4-Methyl-2-pentanone	43	Compound Not Detected.					
74 Toluene	91	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
75 Ethyl methacrylate	69	Compound Not Detected.					
76 trans-1,3-Dichloropropene	75	Compound Not Detected.					
77 1,1,2-Trichloroethane	97	Compound Not Detected.					
78 2-Hexanone	43	Compound Not Detected.					
79 1,3-Dichloropropane	76	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 Dibromochloromethane	129	Compound Not Detected.					
83 1,2-Dibromoethane	107	Compound Not Detected.					
84 1-Chlorohexane	91	Compound Not Detected.					
86 Chlorobenzene	112	Compound Not Detected.					
87 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
88 Ethylbenzene	106	Compound Not Detected.					
89 m and p-Xylene	106	Compound Not Detected.					
90 o-Xylene	106	Compound Not Detected.					
91 Styrene	104	Compound Not Detected.					
92 Bromoform	173	Compound Not Detected.					
93 isopropyl benzene	105	Compound Not Detected.					
94 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
95 Cyclohexanone	55	Compound Not Detected.					
97 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
98 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
99 1,2,3-Trichloropropane	110	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
101 n-Propylbenzene	120	Compound Not Detected.					
102 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103 2-Chlorotoluene	126	Compound Not Detected.					
104 4-Chlorotoluene	126	Compound Not Detected.					
105 tert-Butylbenzene	119	Compound Not Detected.					
106 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
107 sec-Butylbenzene	105	Compound Not Detected.					
108 4-Isopropyltoluene	119	Compound Not Detected.					
109 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 1,4-dichlorobenzene	146	Compound Not Detected.					
112 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
113 n-Butylbenzene	91	Compound Not Detected.					
114 1,2-Dichlorobenzene	146	Compound Not Detected.					
115 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
116 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
117 Hexachlorobutadiene	225	Compound Not Detected.					
118 Naphthalene	128	Compound Not Detected.					
119 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

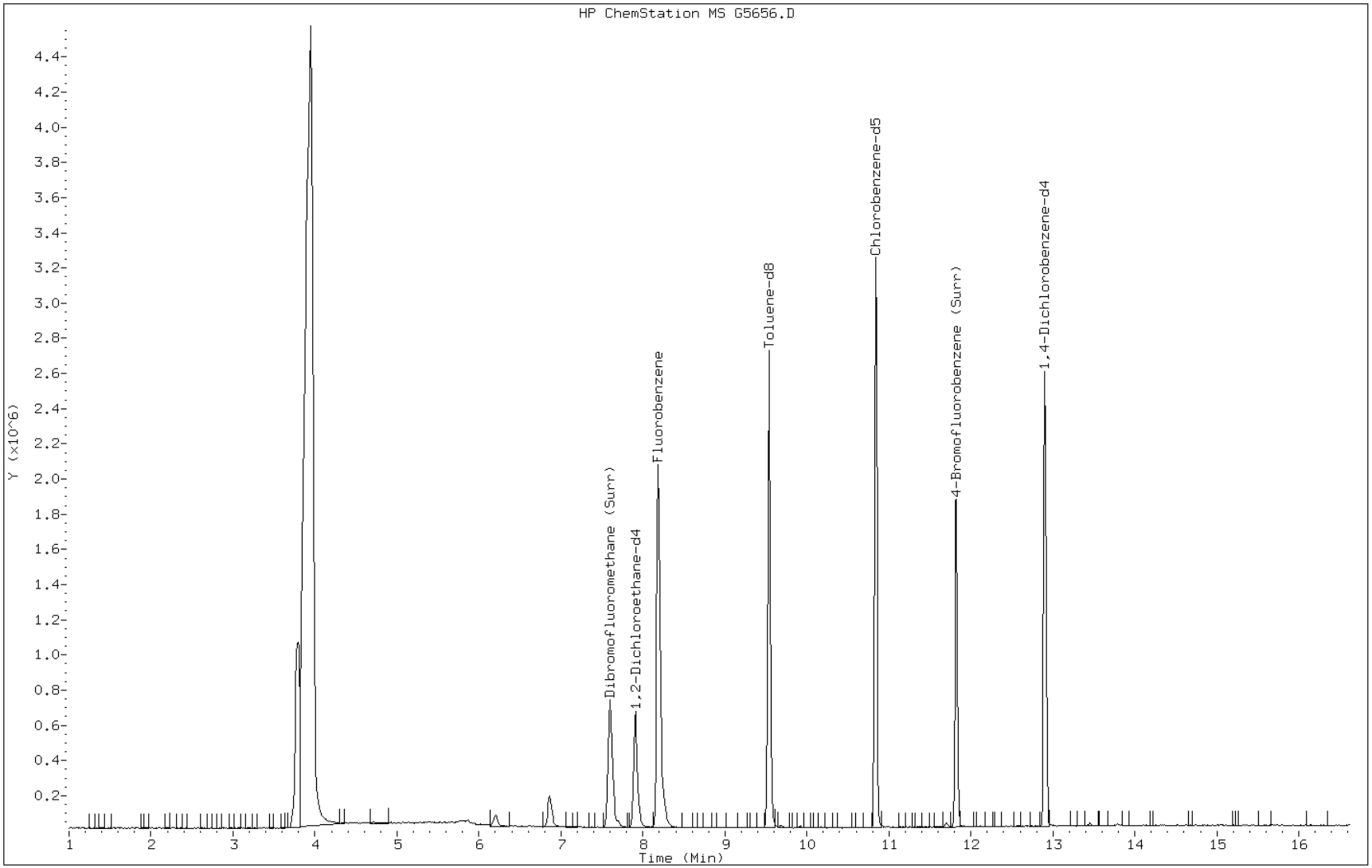
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: G5656.D

Date: 04-APR-2012 16:58

Client ID: UNK10502AA Instrument: G.i

Sample Info: 280-27123-b-6-a Operator: HUBBSL



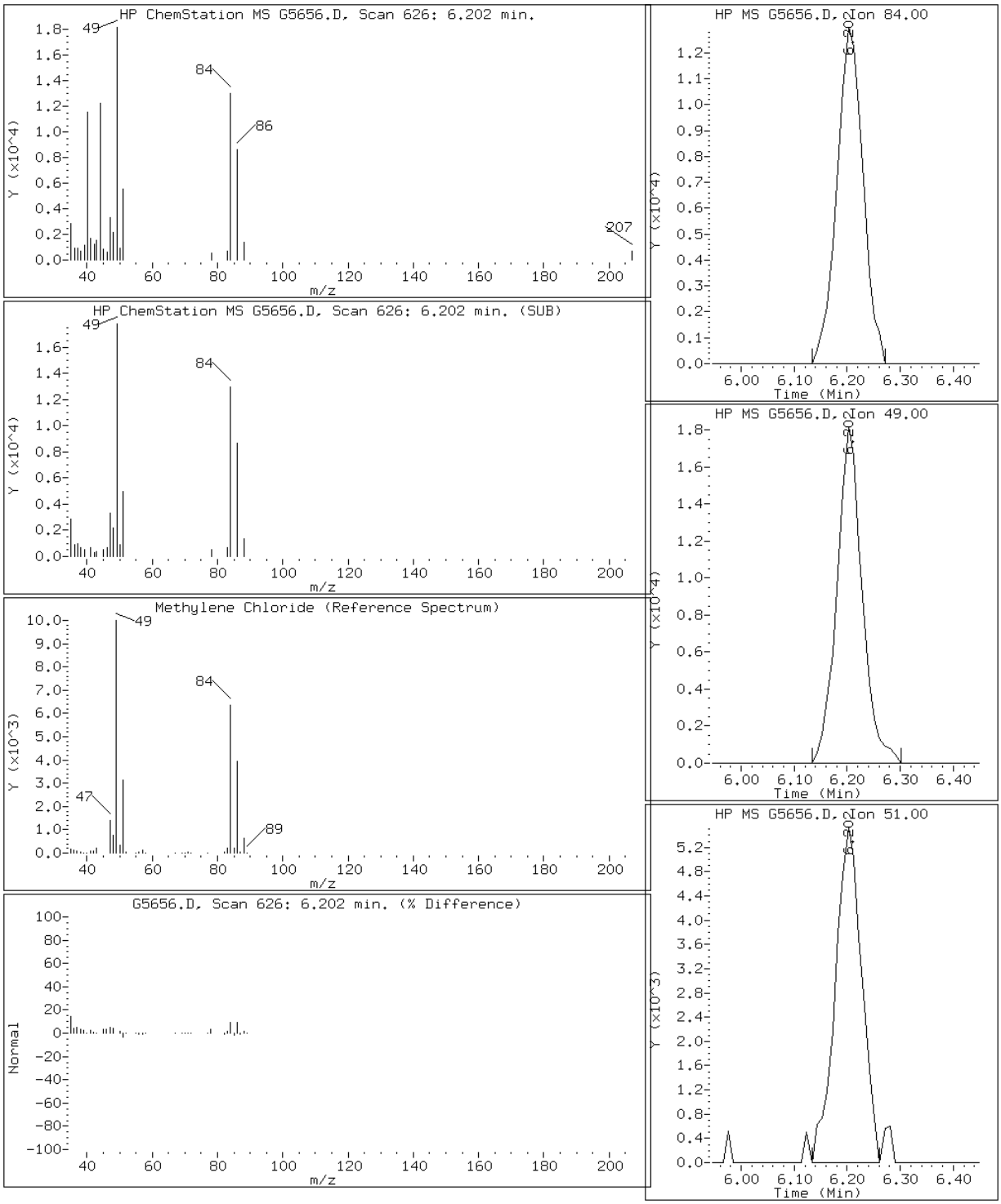
Data File: G5656.D

Date: 04-APR-2012 16:58

Client ID: UNK10502AA Instrument: G.i

Sample Info: 280-27123-b-6-a Operator: HUBBSL

29 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA | Lab Sample ID: 280-27123-7

Matrix: Solid | Lab File ID: G5661.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:15

Sample wt/vol: 5.008(g) | Date Analyzed: 04/04/2012 18:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 35.3 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.5	U	7.7	1.5	0.86
71-55-6	1,1,1-Trichloroethane	1.5	U	7.7	1.5	0.80
96-18-4	1,2,3-Trichloropropane	1.5	U Q	7.7	1.5	1.2
87-61-6	1,2,3-Trichlorobenzene	1.5	U Q	7.7	1.5	1.2
75-34-3	1,1-Dichloroethane	1.2	U	7.7	1.2	0.32
120-82-1	1,2,4-Trichlorobenzene	1.5	U Q	7.7	1.5	1.1
96-12-8	1,2-Dibromo-3-Chloropropane	1.5	U Q	15	1.5	0.93
563-58-6	1,1-Dichloropropene	1.5	U	7.7	1.5	0.83
75-35-4	1,1-Dichloroethene	1.5	U	7.7	1.5	0.91
79-00-5	1,1,2-Trichloroethane	1.5	U	7.7	1.5	1.4
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U Q	7.7	1.5	0.94
95-63-6	1,2,4-Trimethylbenzene	1.5	U Q	7.7	1.5	0.89
95-50-1	1,2-Dichlorobenzene	1.5	U Q	7.7	1.5	0.69
107-06-2	1,2-Dichloroethane	1.5	U	7.7	1.5	1.1
541-73-1	1,3-Dichlorobenzene	1.5	U Q	7.7	1.5	0.74
142-28-9	1,3-Dichloropropane	1.5	U	7.7	1.5	0.79
108-67-8	1,3,5-Trimethylbenzene	1.5	U Q	7.7	1.5	0.88
78-93-3	2-Butanone (MEK)	9.9	U	31	9.9	2.8
106-46-7	1,4-Dichlorobenzene	1.5	U Q	7.7	1.5	1.2
78-87-5	1,2-Dichloropropane	1.5	U	7.7	1.5	0.85
594-20-7	2,2-Dichloropropane	1.5	U	7.7	1.5	0.68
591-78-6	2-Hexanone	15	U	31	15	7.5
108-10-1	4-Methyl-2-pentanone (MIBK)	15	U	31	15	6.7
99-87-6	4-Isopropyltoluene	1.5	U Q	7.7	1.5	0.76
71-43-2	Benzene	1.5	U	7.7	1.5	0.73
67-64-1	Acetone	15	U	31	15	8.3
108-86-1	Bromobenzene	1.5	U Q	7.7	1.5	0.76
75-25-2	Bromoform	1.2	U	7.7	1.2	0.35
74-83-9	Bromomethane	1.5	U	15	1.5	0.77
56-23-5	Carbon tetrachloride	1.5	U	7.7	1.5	0.97
75-15-0	Carbon disulfide	1.5	U	7.7	1.5	0.65
95-49-8	2-Chlorotoluene	1.5	U Q	7.7	1.5	0.79
106-43-4	4-Chlorotoluene	1.5	U Q	7.7	1.5	1.2
108-90-7	Chlorobenzene	1.5	U	7.7	1.5	0.83
74-97-5	Chlorobromomethane	1.5	U	7.7	1.5	0.46
124-48-1	Chlorodibromomethane	1.5	U	7.7	1.5	0.88

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA | Lab Sample ID: 280-27123-7

Matrix: Solid | Lab File ID: G5661.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:15

Sample wt/vol: 5.008(g) | Date Analyzed: 04/04/2012 18:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 35.3 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	1.5	U	15	1.5	0.45
75-00-3	Chloroethane	1.5	U	15	1.5	1.4
74-87-3	Chloromethane	1.5	U	15	1.5	1.2
156-59-2	cis-1,2-Dichloroethene	1.5	U	7.7	1.5	0.86
10061-01-5	cis-1,3-Dichloropropene	3.1	U	7.7	3.1	2.0
74-95-3	Dibromomethane	1.5	U	7.7	1.5	1.3
75-27-4	Dichlorobromomethane	1.2	U	7.7	1.2	0.34
75-71-8	Dichlorodifluoromethane	1.5	U	15	1.5	0.80
100-41-4	Ethylbenzene	1.5	U	7.7	1.5	1.0
87-68-3	Hexachlorobutadiene	1.5	U Q	7.7	1.5	0.85
98-82-8	Isopropylbenzene	1.5	U Q	7.7	1.5	0.91
106-93-4	Ethylene Dibromide	1.5	U	7.7	1.5	0.80
75-09-2	Methylene Chloride	3.5	J	7.7	4.9	2.5
1634-04-4	Methyl tert-butyl ether	1.5	U	31	1.5	0.52
179601-23-1	m-Xylene & p-Xylene	3.1	U	4.9	3.1	1.6
91-20-3	Naphthalene	1.5	U Q	7.7	1.5	0.97
104-51-8	n-Butylbenzene	1.5	U Q	7.7	1.5	0.86
103-65-1	N-Propylbenzene	1.5	U Q	7.7	1.5	0.89
95-47-6	o-Xylene	1.5	U	7.7	1.5	0.94
100-42-5	Styrene	1.5	U	7.7	1.5	0.97
135-98-8	sec-Butylbenzene	1.5	U Q	7.7	1.5	1.2
98-06-6	tert-Butylbenzene	1.5	U Q	7.7	1.5	0.77
156-60-5	trans-1,2-Dichloroethene	1.5	U	7.7	1.5	0.60
10061-02-6	trans-1,3-Dichloropropene	1.5	U	7.7	1.5	1.0
127-18-4	Tetrachloroethene	1.5	U	7.7	1.5	0.91
108-88-3	Toluene	1.5	U	7.7	1.5	1.1
79-01-6	Trichloroethene	1.2	U	7.7	1.2	0.35
75-69-4	Trichlorofluoromethane	3.1	U	15	3.1	1.6
75-01-4	Vinyl chloride	3.1	U	7.7	3.1	2.1
123-91-1	1,4-Dioxane	120	U	770	120	87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	31	U	31	31	0.69
544-10-5	1-Chlorohexane	1.2	U	7.7	1.2	0.97
110-82-7	Cyclohexane	2.5	U	7.7	2.5	0.62
79-20-9	Methyl acetate	6.2	U	13	6.2	4.2
108-87-2	Methylcyclohexane	1.2	U	7.7	1.2	0.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA Lab Sample ID: 280-27123-7

Matrix: Solid Lab File ID: G5661.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 12:15

Sample wt/vol: 5.008(g) Date Analyzed: 04/04/2012 18:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 35.3 Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	114		85-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		61-129
460-00-4	4-Bromofluorobenzene (Surr)	135	Q	85-120
1868-53-7	Dibromofluoromethane (Surr)	102		71-126

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5661.D
Lab Smp Id: 280-27123-B-7-A Client Smp ID: UNK10601AA
Inj Date : 04-APR-2012 18:44
Operator : HUBBSL Inst ID: G.i
Smp Info : 280-27123-b-7-a
Misc Info : 280-27123-B-7-A
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 05-Apr-2012 05:53 reinhardtj Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.008	Weight of sample (g)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
*	59 Fluorobenzene	96	8.185	8.170	(1.000)	2553577	50.0000	
*	85 Chlorobenzene-d5	119	10.838	10.833	(1.000)	450747	50.0000	
*	110 1,4-Dichlorobenzene-d4	152	12.900	12.895	(1.000)	326104	50.0000	
$	49 Dibromofluoromethane (Surr)	111	7.603	7.588	(0.929)	832622	51.2092	51.1274
$	55 1,2-Dichloroethane-d4	65	7.909	7.894	(0.966)	735628	53.7537	53.6678
$	73 Toluene-d8	98	9.536	9.531	(0.880)	1835728	57.1736	57.0823
$	96 4-Bromofluorobenzene (Surr)	95	11.815	11.810	(0.916)	438530	67.4395	67.3318(R)
M	3 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	4 Xylene (total)	106	Compound Not Detected.					
M	1 1,3-Dichloropropene (total)	100	Compound Not Detected.					
M	2 Trihalomethanes (total)	100				1907	0.08751	0.0873653(a)
	5 dichlorodifluoromethane	85	Compound Not Detected.					
	6 1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
	7 Chloromethane	50	Compound Not Detected.					
	8 Vinyl Chloride	62	Compound Not Detected.					
	9 Ethylene Oxide	44	Compound Not Detected.					
	10 Bromomethane	94	Compound Not Detected.					
	11 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	14 Ethanol	45	Compound Not Detected.					
	15 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
	16 Ethyl Ether	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Trichlorotrifluoroethane	151	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
22 1,1-Dichloroethene	96	Compound Not Detected.					
21 2-Propanol	45	Compound Not Detected.					
23 Iodomethane	142	Compound Not Detected.					
25 Methyl Acetate	43	Compound Not Detected.					
24 Acetonitrile	41	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
27 Carbon Disulfide	76	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	6.202	6.198	(0.758)	34685	2.24366	2.24007(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
42 2-Butanol	45	Compound Not Detected.					
43 Propionitrile	54	Compound Not Detected.					
44 2,2-Dichloropropane	77	Compound Not Detected.					
45 Methacrylonitrile	41	Compound Not Detected.					
46 Bromochloromethane	128	Compound Not Detected.					
47 Chloroform	83	7.455	7.450	(0.911)	1907	0.08751	0.0873653(a)
48 Tetrahydrofuran	42	Compound Not Detected.					
51 1,1,1-Trichloroethane	97	Compound Not Detected.					
50 Isobutanol	41	Compound Not Detected.					
52 Cyclohexane	56	Compound Not Detected.					
53 1,1-Dichloropropene	75	Compound Not Detected.					
54 Carbon Tetrachloride	117	Compound Not Detected.					
57 TAME	73	Compound Not Detected.					
56 1,2-Dichloroethane	62	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
60 n-Butanol	56	Compound Not Detected.					
61 Trichloroethene	95	Compound Not Detected.					
62 2-Pentanone	43	Compound Not Detected.					
63 Methyl Methacrylate	100	Compound Not Detected.					
64 Methyl Cyclohexane	83	Compound Not Detected.					
65 1,2-Dichloropropane	63	Compound Not Detected.					
66 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Bromodichloromethane	83	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 2-nitropropane	41	Compound Not Detected.					
71 cis-1,3-Dichloropropene	75	Compound Not Detected.					
72 4-Methyl-2-pentanone	43	Compound Not Detected.					
74 Toluene	91	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
75 Ethyl methacrylate	69	Compound Not Detected.					
76 trans-1,3-Dichloropropene	75	Compound Not Detected.					
77 1,1,2-Trichloroethane	97	Compound Not Detected.					
78 2-Hexanone	43	Compound Not Detected.					
79 1,3-Dichloropropane	76	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 Dibromochloromethane	129	Compound Not Detected.					
83 1,2-Dibromoethane	107	Compound Not Detected.					
84 1-Chlorohexane	91	Compound Not Detected.					
86 Chlorobenzene	112	Compound Not Detected.					
87 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
88 Ethylbenzene	106	Compound Not Detected.					
89 m and p-Xylene	106	Compound Not Detected.					
90 o-Xylene	106	Compound Not Detected.					
91 Styrene	104	Compound Not Detected.					
92 Bromoform	173	Compound Not Detected.					
93 isopropyl benzene	105	Compound Not Detected.					
94 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
95 Cyclohexanone	55	Compound Not Detected.					
97 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
98 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
99 1,2,3-Trichloropropane	110	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
101 n-Propylbenzene	120	Compound Not Detected.					
102 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103 2-Chlorotoluene	126	Compound Not Detected.					
104 4-Chlorotoluene	126	Compound Not Detected.					
105 tert-Butylbenzene	119	Compound Not Detected.					
106 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
107 sec-Butylbenzene	105	Compound Not Detected.					
108 4-Isopropyltoluene	119	Compound Not Detected.					
109 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 1,4-dichlorobenzene	146	Compound Not Detected.					
112 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
113 n-Butylbenzene	91	Compound Not Detected.					
114 1,2-Dichlorobenzene	146	Compound Not Detected.					
115 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
116 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
117 Hexachlorobutadiene	225	Compound Not Detected.					
118 Naphthalene	128	Compound Not Detected.					
119 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

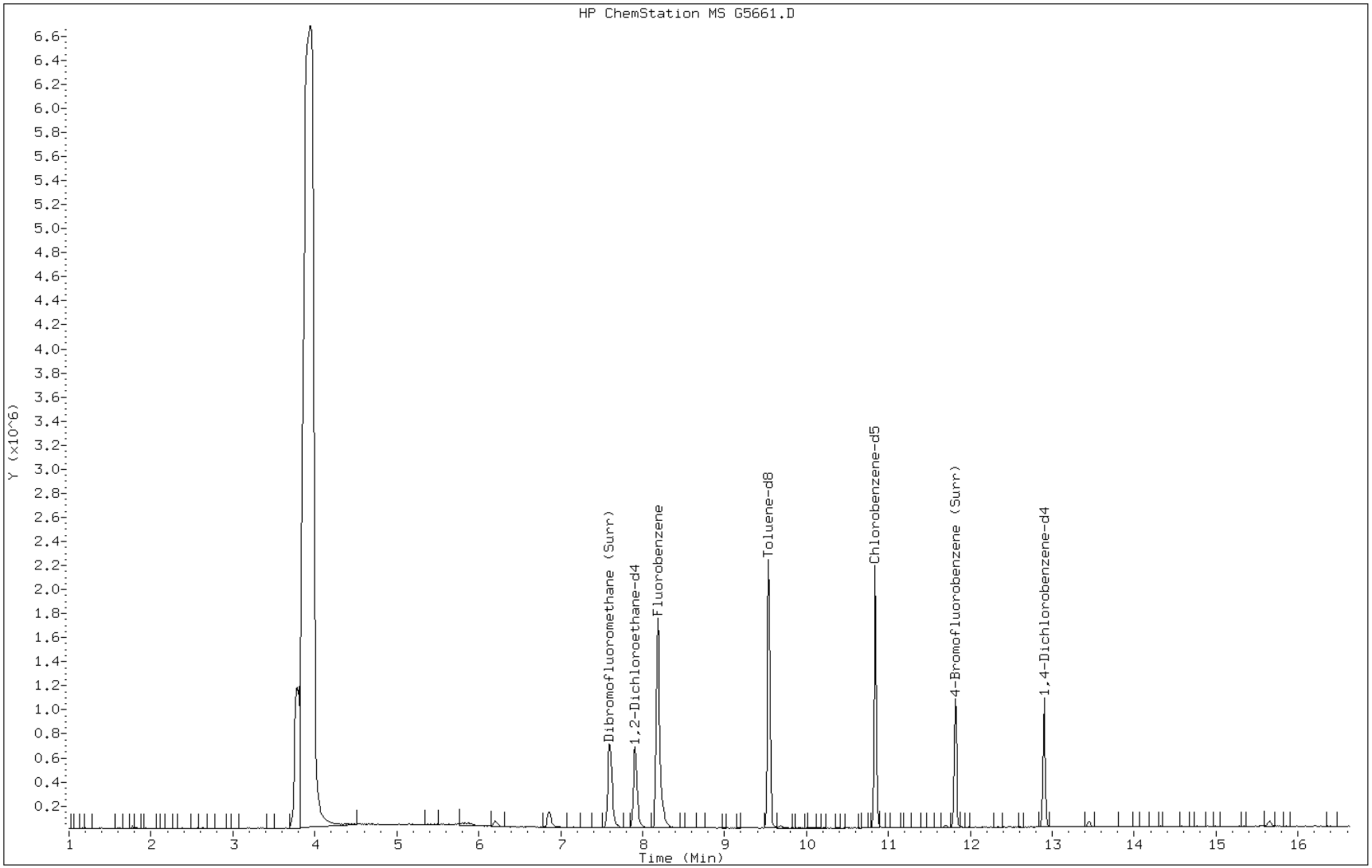
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: G5661.D

Date: 04-APR-2012 18:44

Client ID: UNK10601AA Instrument: G.i

Sample Info: 280-27123-b-7-a Operator: HUBBSL



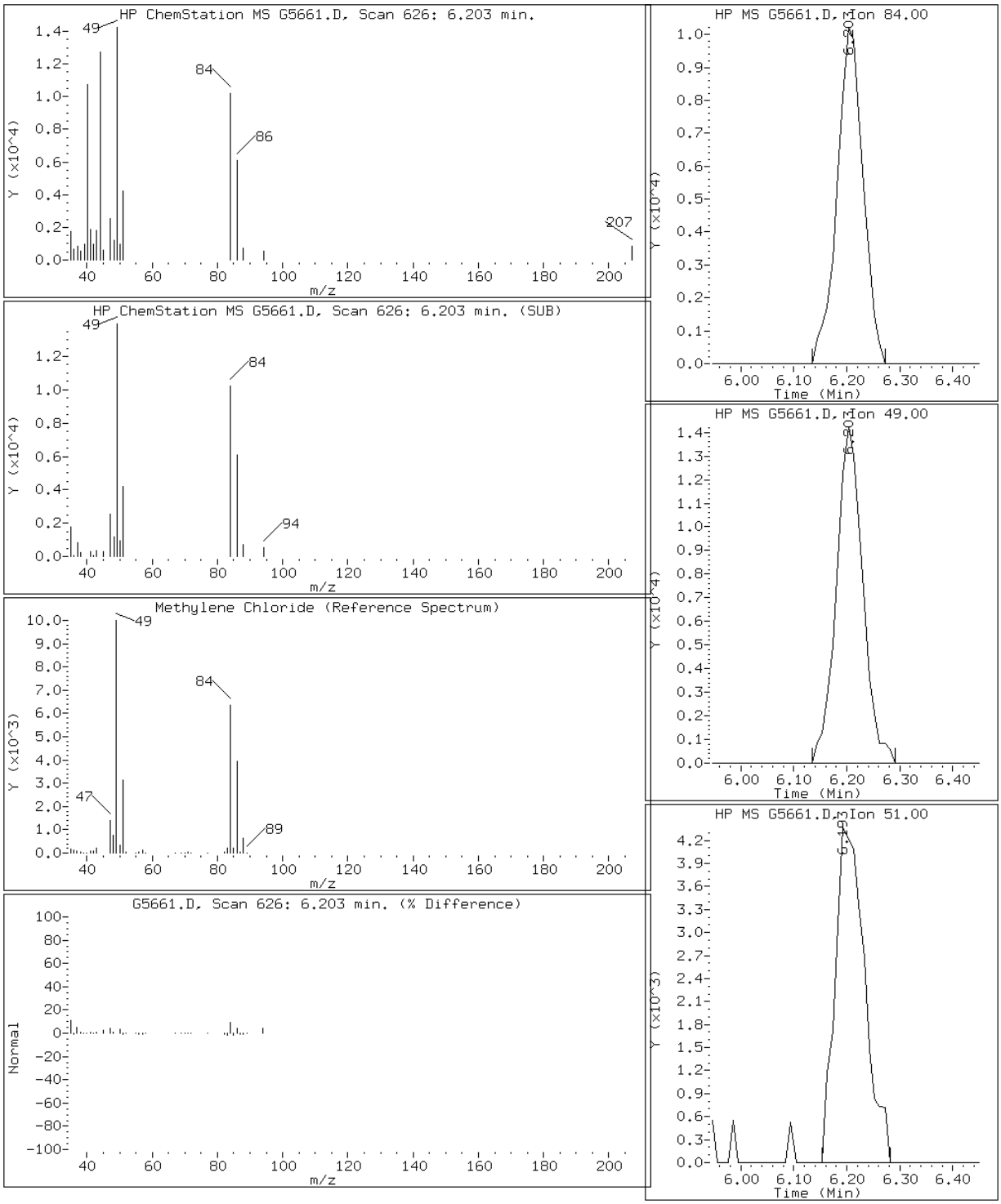
Data File: G5661.D

Date: 04-APR-2012 18:44

Client ID: UNK10601AA Instrument: G.i

Sample Info: 280-27123-b-7-a Operator: HUBBSL

29 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10602AA | Lab Sample ID: 280-27123-8

Matrix: Solid | Lab File ID: G5662.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:45

Sample wt/vol: 4.818(g) | Date Analyzed: 04/04/2012 19:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 14.1 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U	6.0	1.2	0.68
71-55-6	1,1,1-Trichloroethane	1.2	U	6.0	1.2	0.63
96-18-4	1,2,3-Trichloropropane	1.2	U	6.0	1.2	0.98
87-61-6	1,2,3-Trichlorobenzene	1.2	U	6.0	1.2	0.91
75-34-3	1,1-Dichloroethane	0.97	U	6.0	0.97	0.25
120-82-1	1,2,4-Trichlorobenzene	1.2	U	6.0	1.2	0.88
96-12-8	1,2-Dibromo-3-Chloropropane	1.2	U	12	1.2	0.72
563-58-6	1,1-Dichloropropene	1.2	U	6.0	1.2	0.65
75-35-4	1,1-Dichloroethene	1.2	U	6.0	1.2	0.71
79-00-5	1,1,2-Trichloroethane	1.2	U	6.0	1.2	1.1
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	6.0	1.2	0.74
95-63-6	1,2,4-Trimethylbenzene	1.2	U	6.0	1.2	0.70
95-50-1	1,2-Dichlorobenzene	1.2	U	6.0	1.2	0.54
107-06-2	1,2-Dichloroethane	1.2	U	6.0	1.2	0.85
541-73-1	1,3-Dichlorobenzene	1.2	U	6.0	1.2	0.58
142-28-9	1,3-Dichloropropane	1.2	U	6.0	1.2	0.62
108-67-8	1,3,5-Trimethylbenzene	1.2	U	6.0	1.2	0.69
78-93-3	2-Butanone (MEK)	7.7	U	24	7.7	2.2
106-46-7	1,4-Dichlorobenzene	1.2	U	6.0	1.2	0.94
78-87-5	1,2-Dichloropropane	1.2	U	6.0	1.2	0.66
594-20-7	2,2-Dichloropropane	1.2	U	6.0	1.2	0.53
591-78-6	2-Hexanone	12	U	24	12	5.9
108-10-1	4-Methyl-2-pentanone (MIBK)	12	U	24	12	5.3
99-87-6	4-Isopropyltoluene	1.2	U	6.0	1.2	0.59
71-43-2	Benzene	1.2	U	6.0	1.2	0.57
67-64-1	Acetone	12	U	24	12	6.5
108-86-1	Bromobenzene	1.2	U	6.0	1.2	0.59
75-25-2	Bromoform	0.97	U	6.0	0.97	0.28
74-83-9	Bromomethane	1.2	U	12	1.2	0.60
56-23-5	Carbon tetrachloride	1.2	U	6.0	1.2	0.76
75-15-0	Carbon disulfide	1.2	U	6.0	1.2	0.51
95-49-8	2-Chlorotoluene	1.2	U	6.0	1.2	0.62
106-43-4	4-Chlorotoluene	1.2	U	6.0	1.2	0.94
108-90-7	Chlorobenzene	1.2	U	6.0	1.2	0.65
74-97-5	Chlorobromomethane	1.2	U	6.0	1.2	0.36
124-48-1	Chlorodibromomethane	1.2	U	6.0	1.2	0.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10602AA | Lab Sample ID: 280-27123-8

Matrix: Solid | Lab File ID: G5662.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:45

Sample wt/vol: 4.818(g) | Date Analyzed: 04/04/2012 19:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 14.1 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	1.2	U	12	1.2	0.35
75-00-3	Chloroethane	1.2	U	12	1.2	1.1
74-87-3	Chloromethane	1.2	U	12	1.2	0.93
156-59-2	cis-1,2-Dichloroethene	1.2	U	6.0	1.2	0.68
10061-01-5	cis-1,3-Dichloropropene	2.4	U	6.0	2.4	1.6
74-95-3	Dibromomethane	1.2	U	6.0	1.2	1.0
75-27-4	Dichlorobromomethane	0.97	U	6.0	0.97	0.27
75-71-8	Dichlorodifluoromethane	1.2	U	12	1.2	0.63
100-41-4	Ethylbenzene	1.2	U	6.0	1.2	0.81
87-68-3	Hexachlorobutadiene	1.2	U	6.0	1.2	0.66
98-82-8	Isopropylbenzene	1.2	U	6.0	1.2	0.71
106-93-4	Ethylene Dibromide	1.2	U	6.0	1.2	0.63
75-09-2	Methylene Chloride	2.9	J	6.0	3.9	1.9
1634-04-4	Methyl tert-butyl ether	1.2	U	24	1.2	0.41
179601-23-1	m-Xylene & p-Xylene	2.4	U	3.9	2.4	1.3
91-20-3	Naphthalene	1.2	U	6.0	1.2	0.76
104-51-8	n-Butylbenzene	1.2	U	6.0	1.2	0.68
103-65-1	N-Propylbenzene	1.2	U	6.0	1.2	0.70
95-47-6	o-Xylene	1.2	U	6.0	1.2	0.74
100-42-5	Styrene	1.2	U	6.0	1.2	0.76
135-98-8	sec-Butylbenzene	1.2	U	6.0	1.2	0.93
98-06-6	tert-Butylbenzene	1.2	U	6.0	1.2	0.60
156-60-5	trans-1,2-Dichloroethene	1.2	U	6.0	1.2	0.47
10061-02-6	trans-1,3-Dichloropropene	1.2	U	6.0	1.2	0.81
127-18-4	Tetrachloroethene	1.2	U	6.0	1.2	0.71
108-88-3	Toluene	1.2	U	6.0	1.2	0.83
79-01-6	Trichloroethene	0.97	U	6.0	0.97	0.28
75-69-4	Trichlorofluoromethane	2.4	U	12	2.4	1.3
75-01-4	Vinyl chloride	2.4	U	6.0	2.4	1.6
123-91-1	1,4-Dioxane	97	U	600	97	68
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24	U	24	24	0.54
544-10-5	1-Chlorohexane	0.97	U	6.0	0.97	0.76
110-82-7	Cyclohexane	1.9	U	6.0	1.9	0.48
79-20-9	Methyl acetate	4.8	U	10	4.8	3.3
108-87-2	Methylcyclohexane	0.97	U	6.0	0.97	0.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10602AA Lab Sample ID: 280-27123-8

Matrix: Solid Lab File ID: G5662.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 12:45

Sample wt/vol: 4.818(g) Date Analyzed: 04/04/2012 19:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 14.1 Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		85-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		61-129
460-00-4	4-Bromofluorobenzene (Surr)	96		85-120
1868-53-7	Dibromofluoromethane (Surr)	95		71-126

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5662.D
Lab Smp Id: 280-27123-B-8-A Client Smp ID: UNK10602AA
Inj Date : 04-APR-2012 19:05
Operator : HUBBSL Inst ID: G.i
Smp Info : 280-27123-b-8-a
Misc Info : 280-27123-B-8-A
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 05-Apr-2012 05:53 reinhardtj Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	4.818	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
*	59 Fluorobenzene	96	8.189	8.170	(1.000)	3017632	50.0000	
*	85 Chlorobenzene-d5	119	10.843	10.833	(1.000)	676241	50.0000	
*	110 1,4-Dichlorobenzene-d4	152	12.904	12.895	(1.000)	878973	50.0000	
$	49 Dibromofluoromethane (Surr)	111	7.598	7.588	(0.928)	911006	47.4137	49.2048
$	55 1,2-Dichloroethane-d4	65	7.903	7.894	(0.965)	766853	47.4181	49.2094
$	73 Toluene-d8	98	9.541	9.531	(0.880)	2235412	46.4062	48.1592
$	96 4-Bromofluorobenzene (Surr)	95	11.819	11.810	(0.916)	839755	47.9124	49.7223
M	3 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	4 Xylene (total)	106	Compound Not Detected.					
M	1 1,3-Dichloropropene (total)	100	Compound Not Detected.					
M	2 Trihalomethanes (total)	100	Compound Not Detected.					
	5 dichlorodifluoromethane	85	Compound Not Detected.					
	6 1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
	7 Chloromethane	50	Compound Not Detected.					
	8 Vinyl Chloride	62	Compound Not Detected.					
	9 Ethylene Oxide	44	Compound Not Detected.					
	10 Bromomethane	94	Compound Not Detected.					
	11 Chloroethane	64	Compound Not Detected.					
	13 Trichlorofluoromethane	101	Compound Not Detected.					
	14 Ethanol	45	Compound Not Detected.					
	15 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
	16 Ethyl Ether	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Trichlorotrifluoroethane	151	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
22 1,1-Dichloroethene	96	Compound Not Detected.					
21 2-Propanol	45	Compound Not Detected.					
23 Iodomethane	142	Compound Not Detected.					
25 Methyl Acetate	43	Compound Not Detected.					
24 Acetonitrile	41	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
27 Carbon Disulfide	76	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	6.197	6.198	(0.757)	44208	2.41991	2.51132(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
42 2-Butanol	45	Compound Not Detected.					
43 Propionitrile	54	Compound Not Detected.					
44 2,2-Dichloropropane	77	Compound Not Detected.					
45 Methacrylonitrile	41	Compound Not Detected.					
46 Bromochloromethane	128	Compound Not Detected.					
47 Chloroform	83	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
51 1,1,1-Trichloroethane	97	Compound Not Detected.					
50 Isobutanol	41	Compound Not Detected.					
52 Cyclohexane	56	Compound Not Detected.					
53 1,1-Dichloropropene	75	Compound Not Detected.					
54 Carbon Tetrachloride	117	Compound Not Detected.					
57 TAME	73	Compound Not Detected.					
56 1,2-Dichloroethane	62	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
60 n-Butanol	56	Compound Not Detected.					
61 Trichloroethene	95	Compound Not Detected.					
62 2-Pentanone	43	Compound Not Detected.					
63 Methyl Methacrylate	100	Compound Not Detected.					
64 Methyl Cyclohexane	83	Compound Not Detected.					
65 1,2-Dichloropropane	63	Compound Not Detected.					
66 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Bromodichloromethane	83	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 2-nitropropane	41	Compound Not Detected.					
71 cis-1,3-Dichloropropene	75	Compound Not Detected.					
72 4-Methyl-2-pentanone	43	Compound Not Detected.					
74 Toluene	91	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
75 Ethyl methacrylate	69	Compound Not Detected.					
76 trans-1,3-Dichloropropene	75	Compound Not Detected.					
77 1,1,2-Trichloroethane	97	Compound Not Detected.					
78 2-Hexanone	43	Compound Not Detected.					
79 1,3-Dichloropropane	76	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 Dibromochloromethane	129	Compound Not Detected.					
83 1,2-Dibromoethane	107	Compound Not Detected.					
84 1-Chlorohexane	91	Compound Not Detected.					
86 Chlorobenzene	112	Compound Not Detected.					
87 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
88 Ethylbenzene	106	Compound Not Detected.					
89 m and p-Xylene	106	Compound Not Detected.					
90 o-Xylene	106	Compound Not Detected.					
91 Styrene	104	Compound Not Detected.					
92 Bromoform	173	Compound Not Detected.					
93 isopropyl benzene	105	Compound Not Detected.					
94 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
95 Cyclohexanone	55	Compound Not Detected.					
97 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
98 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
99 1,2,3-Trichloropropane	110	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
101 n-Propylbenzene	120	Compound Not Detected.					
102 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103 2-Chlorotoluene	126	Compound Not Detected.					
104 4-Chlorotoluene	126	Compound Not Detected.					
105 tert-Butylbenzene	119	Compound Not Detected.					
106 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
107 sec-Butylbenzene	105	Compound Not Detected.					
108 4-Isopropyltoluene	119	Compound Not Detected.					
109 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 1,4-dichlorobenzene	146	Compound Not Detected.					
112 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
113 n-Butylbenzene	91	Compound Not Detected.					
114 1,2-Dichlorobenzene	146	Compound Not Detected.					
115 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
116 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
117 Hexachlorobutadiene	225	Compound Not Detected.					
118 Naphthalene	128	Compound Not Detected.					
119 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

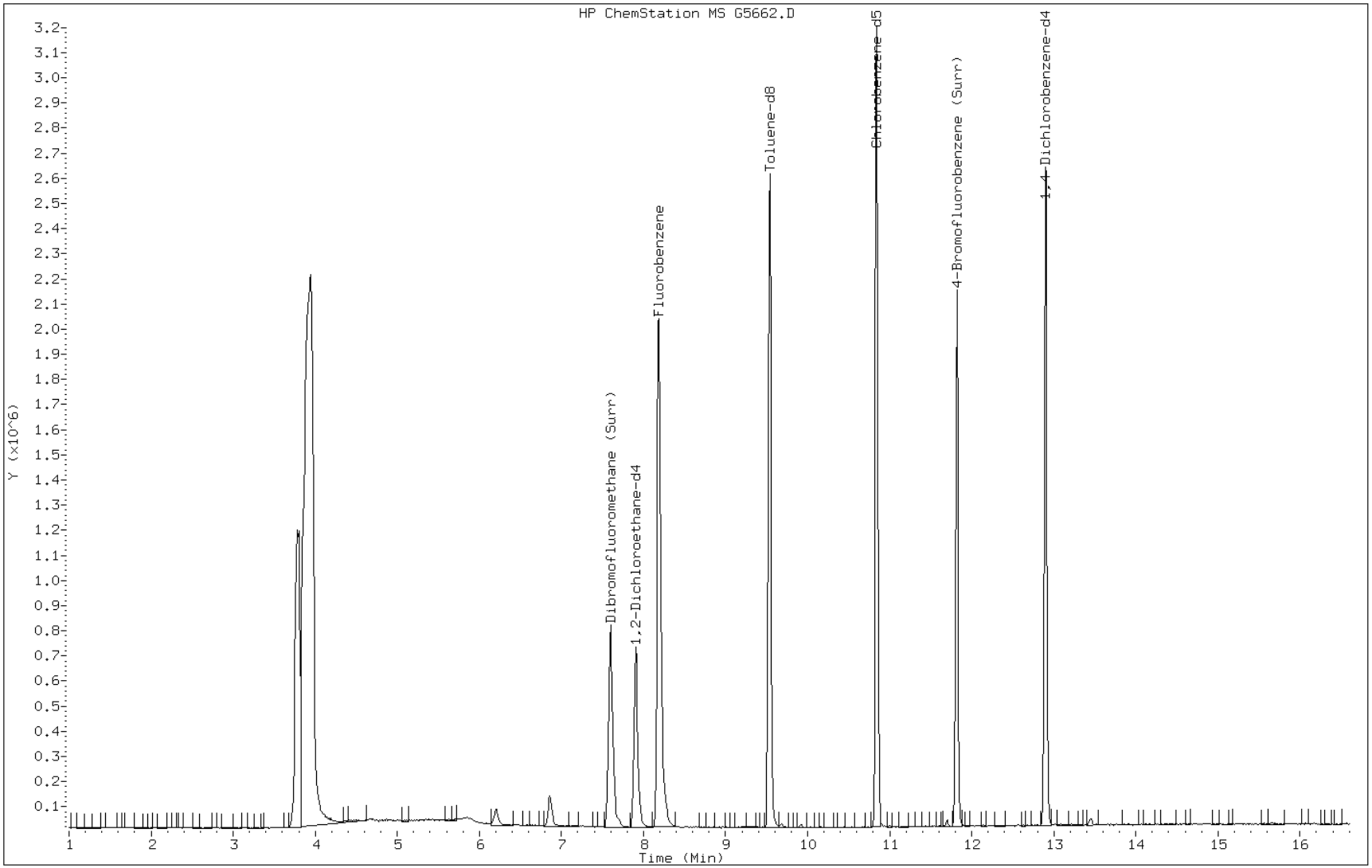
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: G5662.D

Date: 04-APR-2012 19:05

Client ID: UNK10602AA Instrument: G.i

Sample Info: 280-27123-b-8-a Operator: HUBBSL



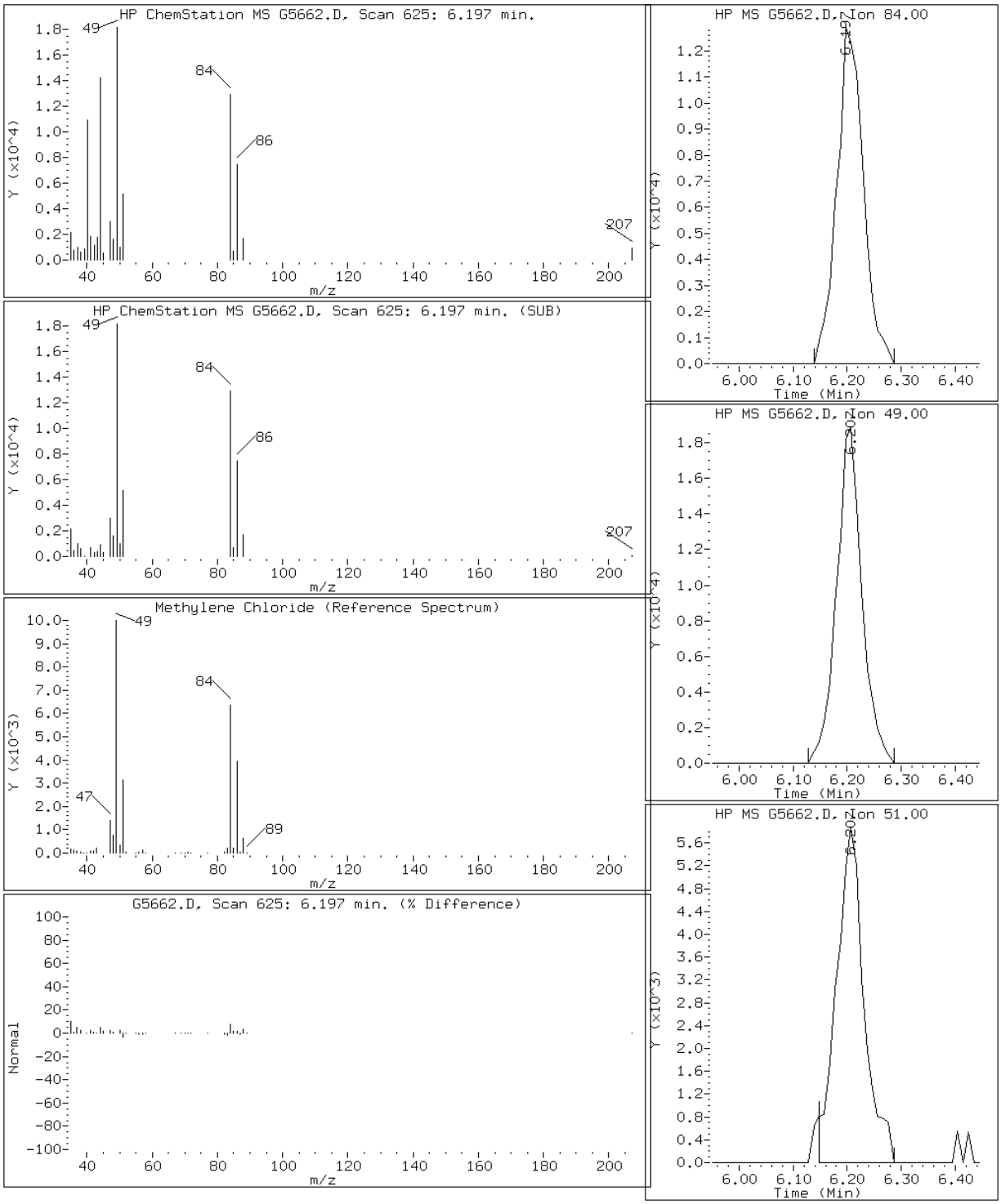
Data File: G5662.D

Date: 04-APR-2012 19:05

Client ID: UNK10602AA Instrument: G.i

Sample Info: 280-27123-b-8-a Operator: HUBBSL

29 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA | Lab Sample ID: 280-27123-9

Matrix: Solid | Lab File ID: G2_5394.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:55

Sample wt/vol: 5.012(g) | Date Analyzed: 04/06/2012 12:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 29.6 | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.4	U Q	7.1	1.4	0.79
71-55-6	1,1,1-Trichloroethane	1.4	U	7.1	1.4	0.74
96-18-4	1,2,3-Trichloropropane	1.4	U	7.1	1.4	1.1
87-61-6	1,2,3-Trichlorobenzene	1.4	U	7.1	1.4	1.1
75-34-3	1,1-Dichloroethane	1.1	U	7.1	1.1	0.30
120-82-1	1,2,4-Trichlorobenzene	1.4	U	7.1	1.4	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	1.4	U	14	1.4	0.85
563-58-6	1,1-Dichloropropene	1.4	U	7.1	1.4	0.77
75-35-4	1,1-Dichloroethene	1.4	U	7.1	1.4	0.84
79-00-5	1,1,2-Trichloroethane	1.4	U	7.1	1.4	1.2
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	7.1	1.4	0.86
95-63-6	1,2,4-Trimethylbenzene	1.4	U	7.1	1.4	0.82
95-50-1	1,2-Dichlorobenzene	1.4	U	7.1	1.4	0.64
107-06-2	1,2-Dichloroethane	1.4	U	7.1	1.4	0.99
541-73-1	1,3-Dichlorobenzene	1.4	U	7.1	1.4	0.68
142-28-9	1,3-Dichloropropane	1.4	U Q	7.1	1.4	0.72
108-67-8	1,3,5-Trimethylbenzene	1.4	U	7.1	1.4	0.81
78-93-3	2-Butanone (MEK)	9.1	U	28	9.1	2.6
106-46-7	1,4-Dichlorobenzene	1.4	U	7.1	1.4	1.1
78-87-5	1,2-Dichloropropane	1.4	U	7.1	1.4	0.78
594-20-7	2,2-Dichloropropane	1.4	U	7.1	1.4	0.62
591-78-6	2-Hexanone	14	U	28	14	6.9
108-10-1	4-Methyl-2-pentanone (MIBK)	14	U	28	14	6.2
99-87-6	4-Isopropyltoluene	1.4	U	7.1	1.4	0.69
71-43-2	Benzene	1.4	U	7.1	1.4	0.67
67-64-1	Acetone	14	U	28	14	7.6
108-86-1	Bromobenzene	1.4	U	7.1	1.4	0.69
75-25-2	Bromoform	1.1	U Q	7.1	1.1	0.33
74-83-9	Bromomethane	1.4	U	14	1.4	0.71
56-23-5	Carbon tetrachloride	1.4	U	7.1	1.4	0.89
75-15-0	Carbon disulfide	1.4	U	7.1	1.4	0.60
95-49-8	2-Chlorotoluene	1.4	U	7.1	1.4	0.72
106-43-4	4-Chlorotoluene	1.4	U	7.1	1.4	1.1
108-90-7	Chlorobenzene	1.4	U Q	7.1	1.4	0.77
74-97-5	Chlorobromomethane	1.4	U	7.1	1.4	0.43
124-48-1	Chlorodibromomethane	1.4	U Q	7.1	1.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA | Lab Sample ID: 280-27123-9

Matrix: Solid | Lab File ID: G2_5394.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:55

Sample wt/vol: 5.012(g) | Date Analyzed: 04/06/2012 12:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 29.6 | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	1.4	U	14	1.4	0.41
75-00-3	Chloroethane	1.4	U	14	1.4	1.3
74-87-3	Chloromethane	1.4	U	14	1.4	1.1
156-59-2	cis-1,2-Dichloroethene	1.4	U	7.1	1.4	0.79
10061-01-5	cis-1,3-Dichloropropene	2.8	U	7.1	2.8	1.8
74-95-3	Dibromomethane	1.4	U	7.1	1.4	1.2
75-27-4	Dichlorobromomethane	1.1	U	7.1	1.1	0.31
75-71-8	Dichlorodifluoromethane	1.4	U	14	1.4	0.74
100-41-4	Ethylbenzene	1.4	U Q	7.1	1.4	0.95
87-68-3	Hexachlorobutadiene	1.4	U	7.1	1.4	0.78
98-82-8	Isopropylbenzene	1.4	U	7.1	1.4	0.84
106-93-4	Ethylene Dibromide	1.4	U Q	7.1	1.4	0.74
75-09-2	Methylene Chloride	4.5	U	7.1	4.5	2.3
1634-04-4	Methyl tert-butyl ether	1.4	U	28	1.4	0.48
179601-23-1	m-Xylene & p-Xylene	2.8	U Q	4.5	2.8	1.5
91-20-3	Naphthalene	1.4	U	7.1	1.4	0.89
104-51-8	n-Butylbenzene	1.4	U	7.1	1.4	0.79
103-65-1	N-Propylbenzene	1.4	U	7.1	1.4	0.82
95-47-6	o-Xylene	1.4	U Q	7.1	1.4	0.86
100-42-5	Styrene	1.4	U Q	7.1	1.4	0.89
135-98-8	sec-Butylbenzene	1.4	U	7.1	1.4	1.1
98-06-6	tert-Butylbenzene	1.4	U	7.1	1.4	0.71
156-60-5	trans-1,2-Dichloroethene	1.4	U	7.1	1.4	0.55
10061-02-6	trans-1,3-Dichloropropene	1.4	U	7.1	1.4	0.95
127-18-4	Tetrachloroethene	1.4	U Q	7.1	1.4	0.84
108-88-3	Toluene	1.4	U	7.1	1.4	0.98
79-01-6	Trichloroethene	1.1	U	7.1	1.1	0.33
75-69-4	Trichlorofluoromethane	2.8	U	14	2.8	1.5
75-01-4	Vinyl chloride	2.8	U	7.1	2.8	1.9
123-91-1	1,4-Dioxane	110	U	710	110	80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28	U	28	28	0.64
544-10-5	1-Chlorohexane	1.1	U Q	7.1	1.1	0.89
110-82-7	Cyclohexane	2.3	U	7.1	2.3	0.57
79-20-9	Methyl acetate	5.7	U	12	5.7	3.9
108-87-2	Methylcyclohexane	1.1	U	7.1	1.1	0.60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA Lab Sample ID: 280-27123-9

Matrix: Solid Lab File ID: G2_5394.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 12:55

Sample wt/vol: 5.012(g) Date Analyzed: 04/06/2012 12:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 29.6 Level: (low/med) Low

Analysis Batch No.: 114709 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	117	Q	85-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		61-129
460-00-4	4-Bromofluorobenzene (Surr)	117		85-120
1868-53-7	Dibromofluoromethane (Surr)	87		71-126

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5394.D
Lab Smp Id: 280-27123-B-9-B Client Smp ID: UNK10701AA
Inj Date : 06-APR-2012 12:17
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : 280-27123-b-9-b
Misc Info : 280-27123-B-9-B
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\8260B-soil.m
Meth Date : 06-Apr-2012 11:58 hubbsl Quant Type: ISTD
Cal Date : 24-MAR-2012 03:16 Cal File: G2_4886.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC252

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.012	Weight of sample (g)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
*	61 Fluorobenzene	96	7.745	7.745	(1.000)	1983999	50.0000	
*	87 Chlorobenzene-d5	119	10.004	10.012	(1.000)	337323	50.0000	
*	112 1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	345295	50.0000	
$	51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	573569	47.5753	47.4614
$	57 1,2-Dichloroethane-d4	65	7.480	7.480	(0.966)	622779	44.8665	44.7591
$	75 Toluene-d8	98	8.925	8.925	(0.892)	1997034	64.2369	64.0831(R)
$	98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.918)	450712	64.3516	64.1975
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	2 Xylene (total)	106	Compound Not Detected.					
	6 dichlorodifluoromethane	85	Compound Not Detected.					
	7 1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
	8 Chloromethane	50	Compound Not Detected.					
	9 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	44	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	18 Ethyl Ether	59	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	20 Acrolein	56	Compound Not Detected.					
	24 1,1-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
22 2-Propanol	45	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
21 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
29 Carbon Disulfide	76	Compound Not Detected.					
26 Acetonitrile	41	Compound Not Detected.					
28 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
31 Methylene Chloride	84	Compound Not Detected.					
30 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
38 1,1-Dichloroethane	63	Compound Not Detected.					
36 Vinyl acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
43 2-Butanol	45	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 2,2-Dichloropropane	77	Compound Not Detected.					
41 Ethyl Acetate	43	Compound Not Detected.					
44 Propionitrile	54	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
50 Tetrahydrofuran	42	Compound Not Detected.					
49 Chloroform	83	Compound Not Detected.					
53 1,1,1-Trichloroethane	97	Compound Not Detected.					
54 Cyclohexane	56	Compound Not Detected.					
55 1,1-Dichloropropene	75	Compound Not Detected.					
56 Carbon Tetrachloride	117	Compound Not Detected.					
52 Isobutanol	41	Compound Not Detected.					
60 Benzene	78	Compound Not Detected.					
58 1,2-Dichloroethane	62	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
62 n-Butanol	56	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
67 Methyl Cyclohexane	83	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
65 Methyl Methacrylate	100	Compound Not Detected.					
69 Dibromomethane	93	Compound Not Detected.					
68 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
71 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
78 trans-1,3-Dichloropropene	75	Compound Not Detected.					
77 Ethyl methacrylate	69	Compound Not Detected.					
80 1,1,2-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
83	Tetrachloroethene	164	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	1,2-Dibromoethane	107	Compound Not Detected.					
86	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
102	Bromobenzene	156	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
100	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
105	2-Chlorotoluene	126	Compound Not Detected.					
104	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	105	Compound Not Detected.					
111	1,3-Dichlorobenzene	146	Compound Not Detected.					
110	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
114	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

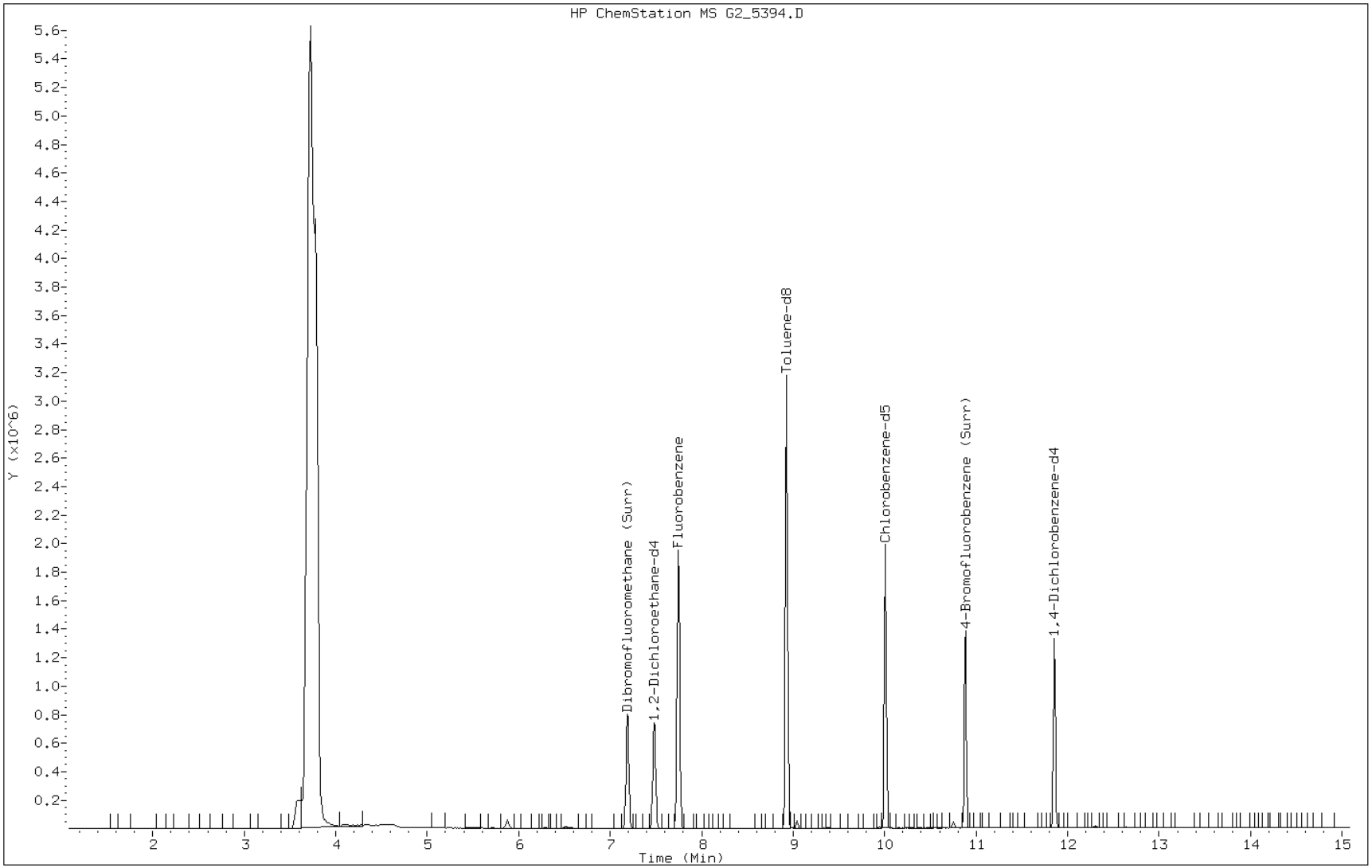
R - Spike/Surrogate failed recovery limits.

Data File: G2_5394.D

Date: 06-APR-2012 12:17

Client ID: UNK10701AA Instrument: GCMS2.i

Sample Info: 280-27123-b-9-b Operator: REINHARDT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA | Lab Sample ID: 280-27123-10

Matrix: Solid | Lab File ID: G2_5395.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 13:15

Sample wt/vol: 5.047(g) | Date Analyzed: 04/06/2012 12:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 22.2 | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.3	U	6.4	1.3	0.71
71-55-6	1,1,1-Trichloroethane	1.3	U	6.4	1.3	0.66
96-18-4	1,2,3-Trichloropropane	1.3	U	6.4	1.3	1.0
87-61-6	1,2,3-Trichlorobenzene	1.3	U	6.4	1.3	0.95
75-34-3	1,1-Dichloroethane	1.0	U	6.4	1.0	0.27
120-82-1	1,2,4-Trichlorobenzene	1.3	U	6.4	1.3	0.93
96-12-8	1,2-Dibromo-3-Chloropropane	1.3	U	13	1.3	0.76
563-58-6	1,1-Dichloropropene	1.3	U	6.4	1.3	0.69
75-35-4	1,1-Dichloroethene	1.3	U	6.4	1.3	0.75
79-00-5	1,1,2-Trichloroethane	1.3	U	6.4	1.3	1.1
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	6.4	1.3	0.78
95-63-6	1,2,4-Trimethylbenzene	1.3	U	6.4	1.3	0.74
95-50-1	1,2-Dichlorobenzene	1.3	U	6.4	1.3	0.57
107-06-2	1,2-Dichloroethane	1.3	U	6.4	1.3	0.89
541-73-1	1,3-Dichlorobenzene	1.3	U	6.4	1.3	0.61
142-28-9	1,3-Dichloropropane	1.3	U	6.4	1.3	0.65
108-67-8	1,3,5-Trimethylbenzene	1.3	U	6.4	1.3	0.73
78-93-3	2-Butanone (MEK)	8.1	U	25	8.1	2.3
106-46-7	1,4-Dichlorobenzene	1.3	U	6.4	1.3	0.99
78-87-5	1,2-Dichloropropane	1.3	U	6.4	1.3	0.70
594-20-7	2,2-Dichloropropane	1.3	U	6.4	1.3	0.56
591-78-6	2-Hexanone	13	U	25	13	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	13	U	25	13	5.5
99-87-6	4-Isopropyltoluene	1.3	U	6.4	1.3	0.62
71-43-2	Benzene	1.3	U	6.4	1.3	0.60
67-64-1	Acetone	13	U	25	13	6.8
108-86-1	Bromobenzene	1.3	U	6.4	1.3	0.62
75-25-2	Bromoform	1.0	U	6.4	1.0	0.29
74-83-9	Bromomethane	1.3	U	13	1.3	0.64
56-23-5	Carbon tetrachloride	1.3	U	6.4	1.3	0.80
75-15-0	Carbon disulfide	1.3	U	6.4	1.3	0.53
95-49-8	2-Chlorotoluene	1.3	U	6.4	1.3	0.65
106-43-4	4-Chlorotoluene	1.3	U	6.4	1.3	0.99
108-90-7	Chlorobenzene	1.3	U	6.4	1.3	0.69
74-97-5	Chlorobromomethane	1.3	U	6.4	1.3	0.38
124-48-1	Chlorodibromomethane	1.3	U	6.4	1.3	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA | Lab Sample ID: 280-27123-10

Matrix: Solid | Lab File ID: G2_5395.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 13:15

Sample wt/vol: 5.047(g) | Date Analyzed: 04/06/2012 12:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 22.2 | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	1.3	U	13	1.3	0.37
75-00-3	Chloroethane	1.3	U	13	1.3	1.1
74-87-3	Chloromethane	1.3	U	13	1.3	0.98
156-59-2	cis-1,2-Dichloroethene	1.3	U	6.4	1.3	0.71
10061-01-5	cis-1,3-Dichloropropene	2.5	U	6.4	2.5	1.6
74-95-3	Dibromomethane	1.3	U	6.4	1.3	1.1
75-27-4	Dichlorobromomethane	1.0	U	6.4	1.0	0.28
75-71-8	Dichlorodifluoromethane	1.3	U	13	1.3	0.66
100-41-4	Ethylbenzene	1.3	U	6.4	1.3	0.85
87-68-3	Hexachlorobutadiene	1.3	U	6.4	1.3	0.70
98-82-8	Isopropylbenzene	1.3	U	6.4	1.3	0.75
106-93-4	Ethylene Dibromide	1.3	U	6.4	1.3	0.66
75-09-2	Methylene Chloride	4.1	U	6.4	4.1	2.0
1634-04-4	Methyl tert-butyl ether	1.3	U	25	1.3	0.43
179601-23-1	m-Xylene & p-Xylene	2.5	U	4.1	2.5	1.3
91-20-3	Naphthalene	1.3	U	6.4	1.3	0.80
104-51-8	n-Butylbenzene	1.3	U	6.4	1.3	0.71
103-65-1	N-Propylbenzene	1.3	U	6.4	1.3	0.74
95-47-6	o-Xylene	1.3	U	6.4	1.3	0.78
100-42-5	Styrene	1.3	U	6.4	1.3	0.80
135-98-8	sec-Butylbenzene	1.3	U	6.4	1.3	0.98
98-06-6	tert-Butylbenzene	1.3	U	6.4	1.3	0.64
156-60-5	trans-1,2-Dichloroethene	1.3	U	6.4	1.3	0.50
10061-02-6	trans-1,3-Dichloropropene	1.3	U	6.4	1.3	0.85
127-18-4	Tetrachloroethene	1.3	U	6.4	1.3	0.75
108-88-3	Toluene	1.3	U	6.4	1.3	0.88
79-01-6	Trichloroethene	1.0	U	6.4	1.0	0.29
75-69-4	Trichlorofluoromethane	2.5	U	13	2.5	1.3
75-01-4	Vinyl chloride	2.5	U	6.4	2.5	1.7
123-91-1	1,4-Dioxane	100	U	640	100	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25	U	25	25	0.57
544-10-5	1-Chlorohexane	1.0	U	6.4	1.0	0.80
110-82-7	Cyclohexane	2.0	U	6.4	2.0	0.51
79-20-9	Methyl acetate	5.1	U	11	5.1	3.5
108-87-2	Methylcyclohexane	1.0	U	6.4	1.0	0.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA Lab Sample ID: 280-27123-10

Matrix: Solid Lab File ID: G2_5395.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 13:15

Sample wt/vol: 5.047(g) Date Analyzed: 04/06/2012 12:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 22.2 Level: (low/med) Low

Analysis Batch No.: 114709 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	115		85-115
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		61-129
460-00-4	4-Bromofluorobenzene (Surr)	117		85-120
1868-53-7	Dibromofluoromethane (Surr)	86		71-126

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5395.D
Lab Smp Id: 280-27123-B-10-B Client Smp ID: UNK10702AA
Inj Date : 06-APR-2012 12:36
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : 280-27123-b-10-b
Misc Info : 280-27123-B-10-B
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\8260B-soil.m
Meth Date : 06-Apr-2012 11:58 hubbsl Quant Type: ISTD
Cal Date : 24-MAR-2012 03:16 Cal File: G2_4886.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC252

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.047	Weight of sample (g)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
*	61 Fluorobenzene	96	7.745	7.745	(1.000)	1948143	50.0000	
*	87 Chlorobenzene-d5	119	10.011	10.012	(1.000)	334252	50.0000	
*	112 1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	346903	50.0000	
$	51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	557043	47.0549	46.6167
$	57 1,2-Dichloroethane-d4	65	7.480	7.480	(0.966)	605644	44.4351	44.0213
$	75 Toluene-d8	98	8.925	8.925	(0.891)	1952972	63.3967	62.8063(R)
$	98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.918)	453851	64.4994	63.8987
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	2 Xylene (total)	106	Compound Not Detected.					
	6 dichlorodifluoromethane	85	Compound Not Detected.					
	7 1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
	8 Chloromethane	50	Compound Not Detected.					
	9 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	44	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	18 Ethyl Ether	59	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	20 Acrolein	56	Compound Not Detected.					
	24 1,1-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
22 2-Propanol	45	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
21 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
29 Carbon Disulfide	76	Compound Not Detected.					
26 Acetonitrile	41	Compound Not Detected.					
28 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
31 Methylene Chloride	84	Compound Not Detected.					
30 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
38 1,1-Dichloroethane	63	Compound Not Detected.					
36 Vinyl acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
43 2-Butanol	45	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 2,2-Dichloropropane	77	Compound Not Detected.					
41 Ethyl Acetate	43	Compound Not Detected.					
44 Propionitrile	54	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
50 Tetrahydrofuran	42	Compound Not Detected.					
49 Chloroform	83	Compound Not Detected.					
53 1,1,1-Trichloroethane	97	Compound Not Detected.					
54 Cyclohexane	56	Compound Not Detected.					
55 1,1-Dichloropropene	75	Compound Not Detected.					
56 Carbon Tetrachloride	117	Compound Not Detected.					
52 Isobutanol	41	Compound Not Detected.					
60 Benzene	78	Compound Not Detected.					
58 1,2-Dichloroethane	62	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
62 n-Butanol	56	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
67 Methyl Cyclohexane	83	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
65 Methyl Methacrylate	100	Compound Not Detected.					
69 Dibromomethane	93	Compound Not Detected.					
68 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
71 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
78 trans-1,3-Dichloropropene	75	Compound Not Detected.					
77 Ethyl methacrylate	69	8.932	9.053	(0.892)	5403	0.52229	0.517427(aQ)
80 1,1,2-Trichloroethane	97	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
83 Tetrachloroethene	164	Compound Not Detected.					
82 1,3-Dichloropropane	76	Compound Not Detected.					
81 2-Hexanone	43	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					
85 1,2-Dibromoethane	107	Compound Not Detected.					
86 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
102 Bromobenzene	156	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
100 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
105 2-Chlorotoluene	126	Compound Not Detected.					
104 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	105	Compound Not Detected.					
111 1,3-Dichlorobenzene	146	Compound Not Detected.					
110 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
114 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

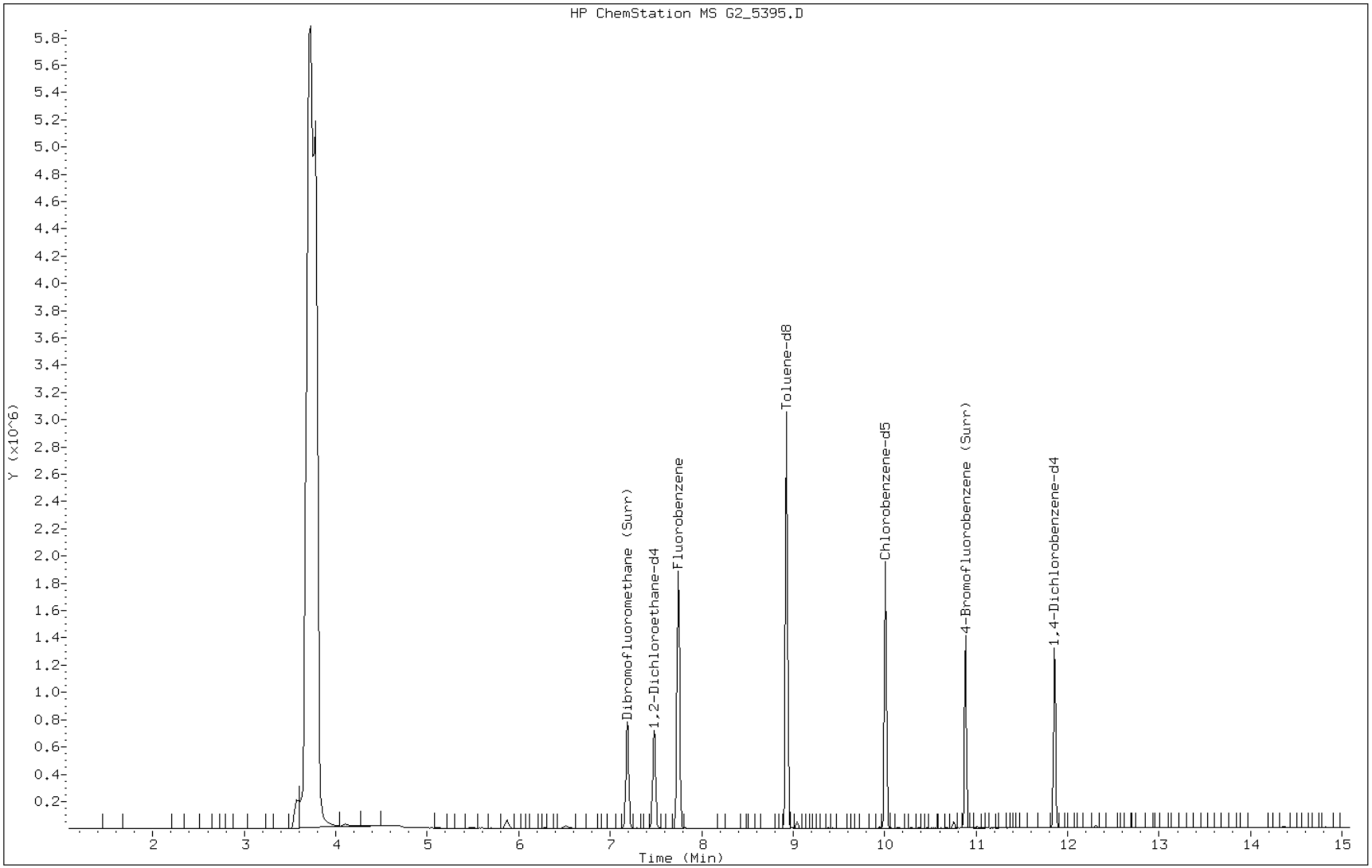
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: G2_5395.D

Date: 06-APR-2012 12:36

Client ID: UNK10702AA Instrument: GCMS2.i

Sample Info: 280-27123-b-10-b Operator: REINHARDT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AE | Lab Sample ID: 280-27123-11

Matrix: Water | Lab File ID: RR4249.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 14:10

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 08:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
108-67-8	1,3,5-Trimethylbenzene	0.80	U	1.0	0.80	0.14
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
123-91-1	1,4-Dioxane	80	U	220	80	71
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
67-64-1	Acetone	7.1	J	10	6.4	1.9
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AE | Lab Sample ID: 280-27123-11

Matrix: Water | Lab File ID: RR4249.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 14:10

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 08:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
74-87-3	Chloromethane	1.6	U	2.0	1.6	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.12
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.14
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AE | Lab Sample ID: 280-27123-11

Matrix: Water | Lab File ID: RR4249.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 14:10

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 08:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-120
460-00-4	4-Bromofluorobenzene (Surr)	100		75-120
1868-53-7	Dibromofluoromethane (Surr)	103		85-115
2037-26-5	Toluene-d8 (Surr)	107		85-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\RR4249.D
Lab Smp Id: 280-27123-I-11 Client Smp ID: 032712AE
Inj Date : 09-APR-2012 08:29
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-27123-i-11,,PH<2
Misc Info : 280-27123-I-11
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\8260B-H2O.m
Meth Date : 09-Apr-2012 09:07 DobranskyM Quant Type: ISTD
Cal Date : 15-MAR-2012 07:57 Cal File: RR3339.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.587	8.602	(1.000)	1766451	12.5000	
* 88	Chlorobenzene-d5	119	11.466	11.471	(1.000)	398779	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.060	14.065	(1.000)	624214	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.985	7.999	(0.930)	568351	10.8605	10.8605
$ 58	1,2-Dichloroethane-d4	65	8.320	8.325	(0.969)	387386	10.4798	10.4798
$ 76	Toluene-d8	98	9.977	9.991	(0.870)	1828738	11.2395	11.2395
$ 99	4-Bromofluorobenzene (Surr)	95	12.758	12.762	(0.907)	596957	10.4558	10.4558
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	6.121	6.127	(0.713)	30021	7.13148	7.13148(a)
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

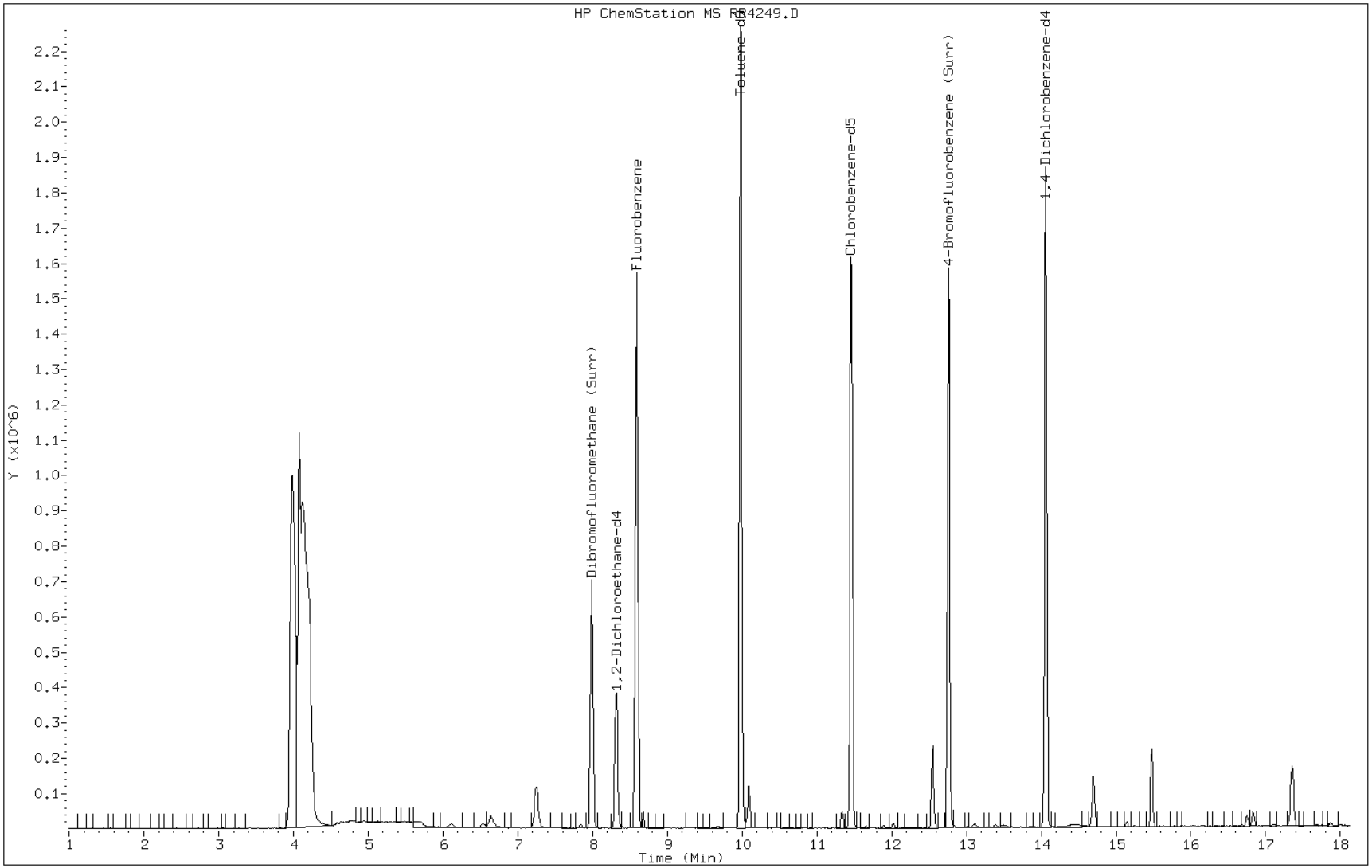
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: RR4249.D

Date: 09-APR-2012 08:29

Client ID: 032712AE Instrument: R2.i

Sample Info: 280-27123-i-11,,PH<2 Operator: DOBRANSKYM



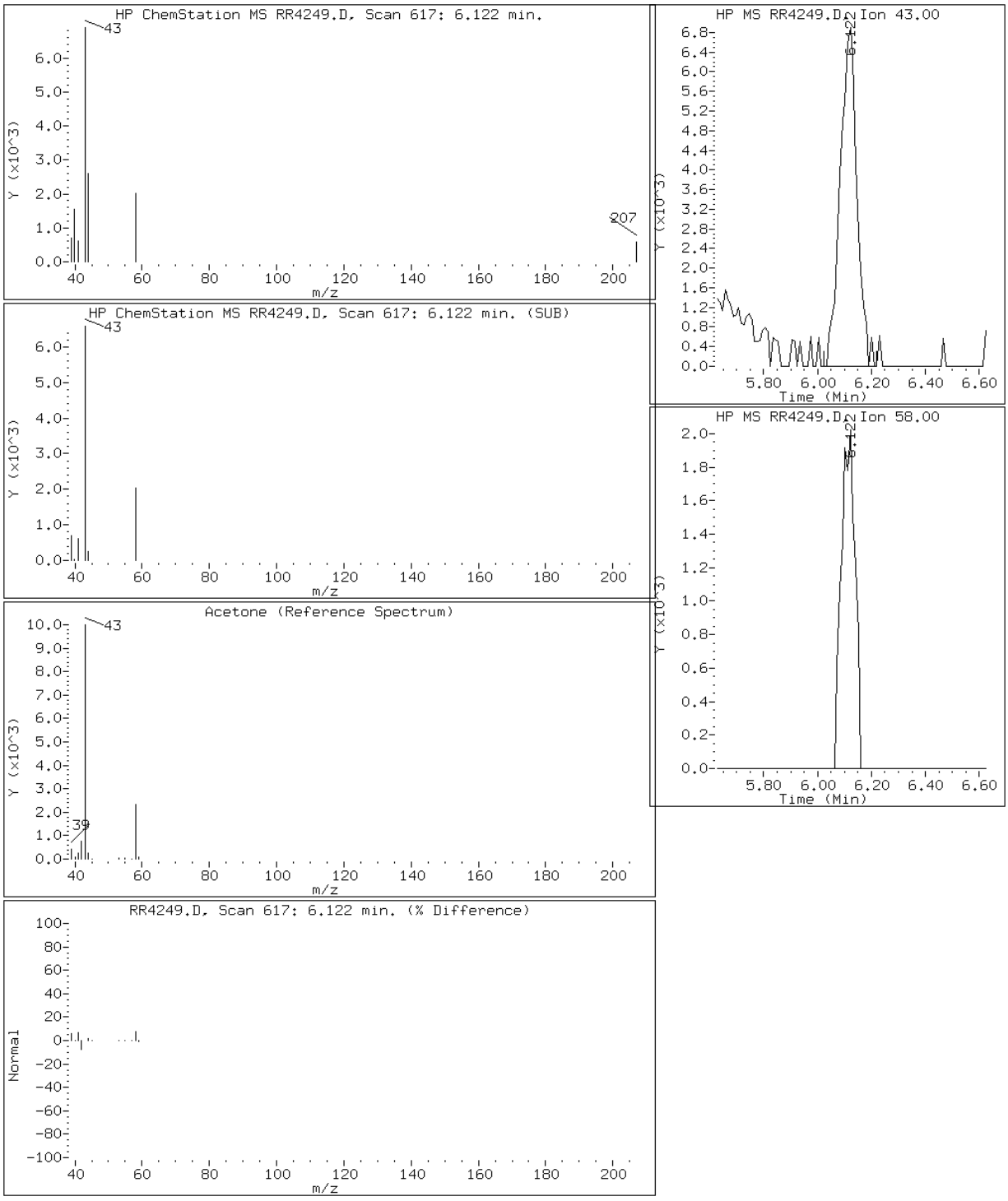
Data File: RR4249.D

Date: 09-APR-2012 08:29

Client ID: 032712AE Instrument: R2.i

Sample Info: 280-27123-i-11,,PH<2 Operator: DOBRANSKYM

24 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AF | Lab Sample ID: 280-27123-12

Matrix: Water | Lab File ID: RR4250.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 13:19

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 08:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
108-67-8	1,3,5-Trimethylbenzene	0.80	U	1.0	0.80	0.14
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
123-91-1	1,4-Dioxane	80	U	220	80	71
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
67-64-1	Acetone	6.9	J	10	6.4	1.9
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AF | Lab Sample ID: 280-27123-12

Matrix: Water | Lab File ID: RR4250.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 13:19

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 08:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
74-87-3	Chloromethane	1.6	U	2.0	1.6	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.12
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.14
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AF Lab Sample ID: 280-27123-12

Matrix: Water Lab File ID: RR4250.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 13:19

Sample wt/vol: 20(mL) Date Analyzed: 04/09/2012 08:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 114706 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		70-120
460-00-4	4-Bromofluorobenzene (Surr)	92		75-120
1868-53-7	Dibromofluoromethane (Surr)	108		85-115
2037-26-5	Toluene-d8 (Surr)	104		85-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\RR4250.D
Lab Smp Id: 280-27123-B-12 Client Smp ID: 032712AF
Inj Date : 09-APR-2012 08:52
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-27123-b-12,,PH<2
Misc Info : 280-27123-B-12
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\8260B-H2O.m
Meth Date : 09-Apr-2012 09:16 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 07:57 Cal File: RR3339.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.586	8.601	(1.000)	1700925	12.5000	
*	88 Chlorobenzene-d5	119	11.455	11.471	(1.000)	394075	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.059	14.064	(1.000)	646273	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.984	7.999	(0.930)	573560	11.3823	11.3822
$	58 1,2-Dichloroethane-d4	65	8.310	8.325	(0.968)	396811	11.1483	11.1483
$	76 Toluene-d8	98	9.976	9.991	(0.871)	1748582	10.8752	10.8752
$	99 4-Bromofluorobenzene (Surr)	95	12.757	12.762	(0.907)	572907	9.69202	9.69202
M	2 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	6.121	6.127	(0.713)	28209	6.87376	6.87376(a)
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

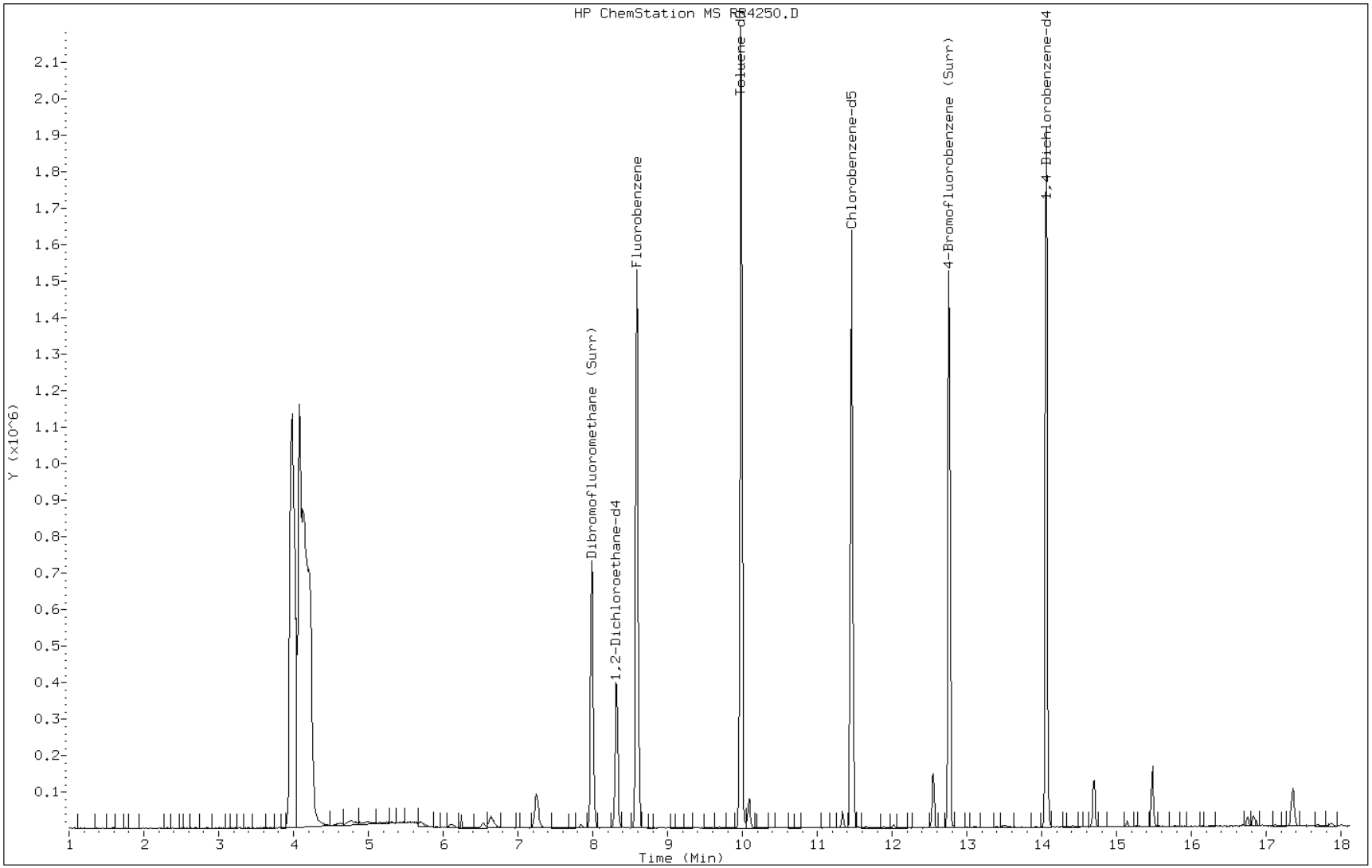
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Below Limit Of Quantitation(BLOQ).

Data File: RR4250.D

Date: 09-APR-2012 08:52

Client ID: 032712AF Instrument: R2.i

Sample Info: 280-27123-b-12,,PH<2 Operator: DOBRANSKYM



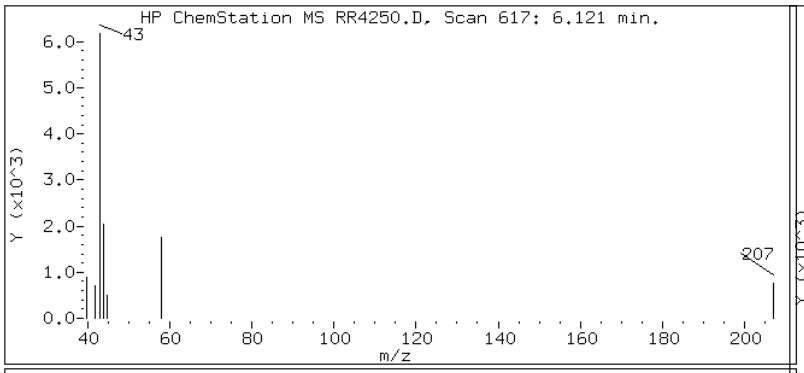
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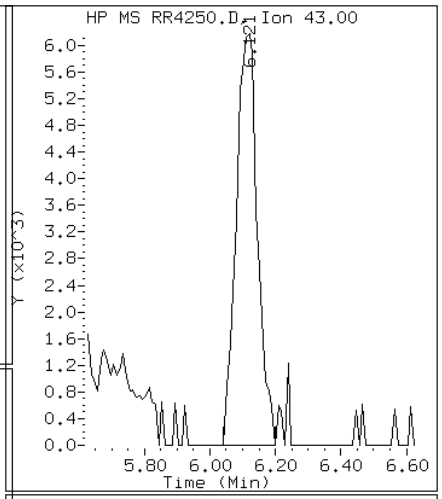
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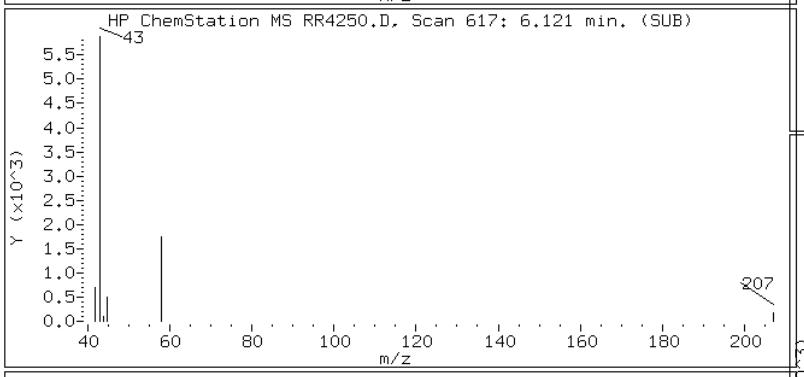
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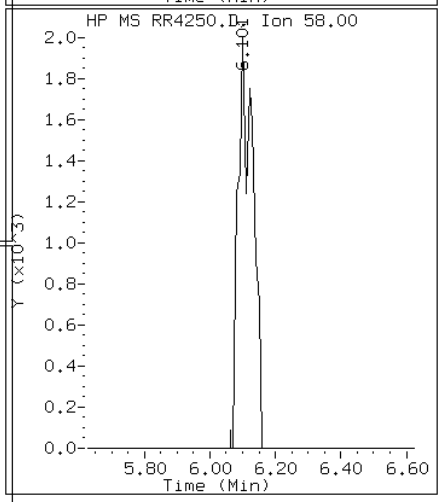
Sample Info: 280-27123-b-12,,PH<2 Operator: DOBRANSKYM

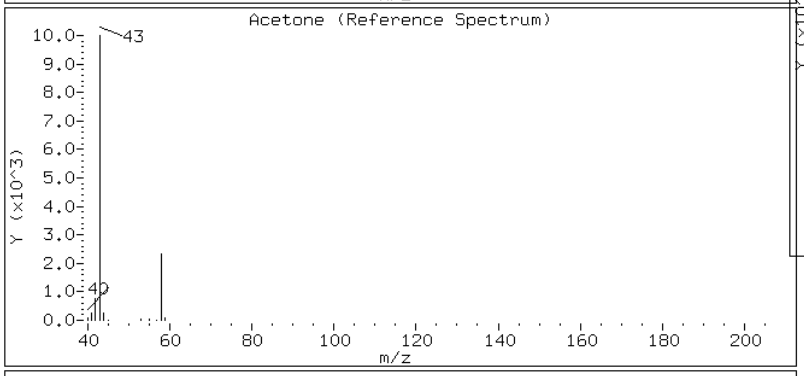
24 Acetone

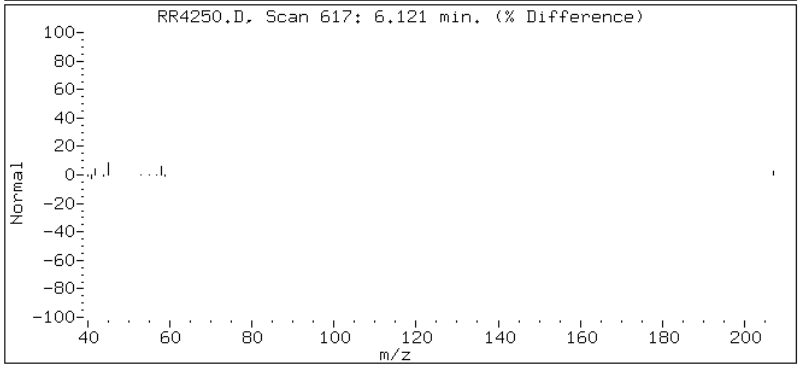












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AR | Lab Sample ID: 280-27123-13

Matrix: Water | Lab File ID: RR4251.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 09:35

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 09:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
108-67-8	1,3,5-Trimethylbenzene	0.80	U	1.0	0.80	0.14
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
123-91-1	1,4-Dioxane	80	U	220	80	71
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
67-64-1	Acetone	6.4	U	10	6.4	1.9
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AR | Lab Sample ID: 280-27123-13

Matrix: Water | Lab File ID: RR4251.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 09:35

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 09:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
74-87-3	Chloromethane	1.6	U	2.0	1.6	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.12
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.14
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AR Lab Sample ID: 280-27123-13

Matrix: Water Lab File ID: RR4251.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 09:35

Sample wt/vol: 20(mL) Date Analyzed: 04/09/2012 09:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 114706 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-120
460-00-4	4-Bromofluorobenzene (Surr)	97		75-120
1868-53-7	Dibromofluoromethane (Surr)	103		85-115
2037-26-5	Toluene-d8 (Surr)	104		85-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\RR4251.D
Lab Smp Id: 280-27123-A-13 Client Smp ID: 032712AR
Inj Date : 09-APR-2012 09:16
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-27123-a-13,,PH<2
Misc Info : 280-27123-A-13
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\8260B-H2O.m
Meth Date : 09-Apr-2012 09:16 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 07:57 Cal File: RR3339.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.590	8.601	(1.000)	1814641	12.5000	
* 88	Chlorobenzene-d5	119	11.460	11.471	(1.000)	415475	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.053	14.064	(1.000)	650596	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.989	7.999	(0.930)	579647	10.7822	10.7822
$ 58	1,2-Dichloroethane-d4	65	8.314	8.325	(0.968)	401771	10.5803	10.5803
$ 76	Toluene-d8	98	9.981	9.991	(0.871)	1849184	10.9085	10.9085
$ 99	4-Bromofluorobenzene (Surr)	95	12.761	12.762	(0.908)	608282	10.2221	10.2221
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

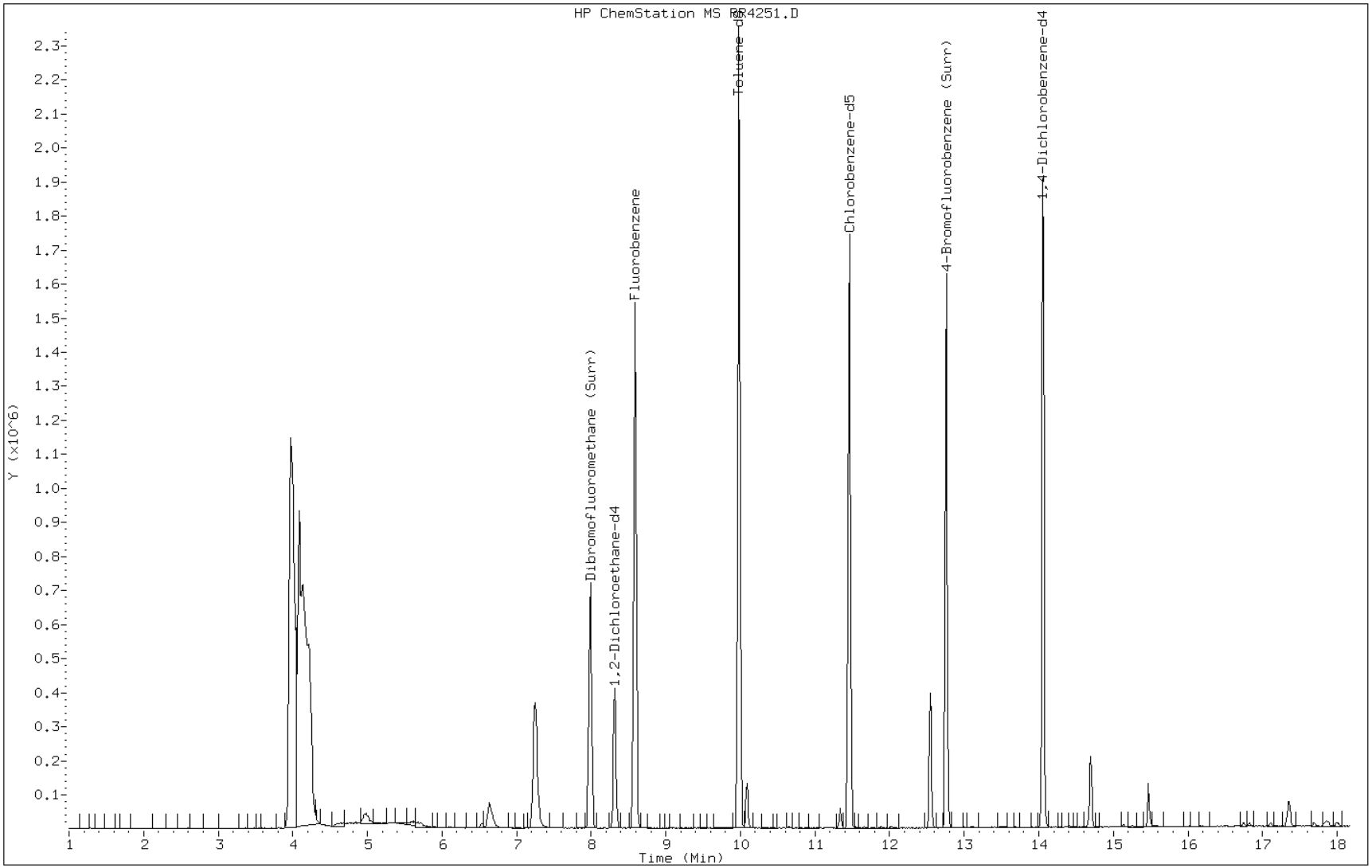
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR4251.D

Date: 09-APR-2012 09:16

Client ID: 032712AR Instrument: R2.i

Sample Info: 280-27123-a-13,,PH<2 Operator: DOBRANSKYM



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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113188

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2012 07:20 Calibration End Date: 03/26/2012 09:52 Calibration ID: 8882

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-113188/2	G5462.D
Level 2	IC 280-113188/3	G5463.D
Level 3	IC 280-113188/4	G5464.D
Level 4	IC 280-113188/5	G5465.D
Level 5	IC 280-113188/6	G5466.D
Level 6	IC 280-113188/7	G5467.D
Level 7	IC 280-113188/8	G5468.D
Level 8	IC 280-113188/9	G5469.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethene, Total	+++++ 0.2857	0.2972 0.2708	0.2667 0.2811	0.2618	0.2548	Ave		0.2740				5.4		15.0			
Xylenes, Total	1.6492 1.9033	1.7497 1.6836	1.5999 1.8120	1.6271	1.5142	Ave		1.6924				7.4		15.0			
Dichlorodifluoromethane	+++++ 0.2904	+++++ 0.2721	0.2342 0.2772	0.2036	0.2018	Lin1	0.0376	0.2803							0.9956		0.9900
Chloromethane	+++++ 0.3015	0.3101 0.2724	0.2712 0.2919	0.2640	0.2550	Ave		0.2809			0.1000	7.3		15.0			
Vinyl chloride	+++++ 0.2989	+++++ 0.2743	0.2621 0.2865	0.2538	0.2558	Ave		0.2719				6.6		30.0			
Bromomethane	+++++ 0.2212	+++++ 0.1742	0.2222 +++++	0.1997	0.1698	Ave		0.1975				12.6		15.0			
Chloroethane	+++++ 0.1620	+++++ 0.1258	0.1654 +++++	0.1484	0.1283	Ave		0.1460				12.6		15.0			
Ethanol	+++++ 0.0029	+++++ 0.0030	0.0019 +++++	0.0026	0.0027	Lin2	1.8473	0.0031							0.9985		0.9900
Trichlorofluoromethane	+++++ 0.3624	+++++ 0.3293	0.3152 0.3260	0.3123	0.3095	Ave		0.3258				6.0		15.0			
Acrolein	+++++ 0.0569	0.0563 0.0578	0.0462 0.0487	0.0499	0.0516	Ave		0.0525				8.6		15.0			
Acetone	+++++ 0.1032	+++++ 0.1067	0.1110 0.1049	0.1036	0.0954	Ave		0.1041				5.0		15.0			
1,1-Dichloroethene	+++++ 0.3103	0.3508 0.2876	0.2834 0.2905	0.2806	0.2789	Ave		0.2974				8.7		30.0			
Acetonitrile	+++++ 0.0289	+++++ 0.0249	0.0229 0.0289	0.0270	0.0231	Ave		0.0259				10.5		15.0			
Iodomethane	+++++ 0.4310	0.3913 0.4079	0.3732 0.4192	0.3762	0.3791	Ave		0.3969				5.7		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113188

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2012 07:20 Calibration End Date: 03/26/2012 09:52 Calibration ID: 8882

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	+++++ 0.0330	0.0326 0.0353	0.0287 0.0351	0.0304	0.0305	Ave		0.0322				7.7		15.0			
Methylene Chloride	+++++ 0.3084	+++++ 0.2833	0.3369 0.2891	0.3110	0.2874	Ave		0.3027				6.7		15.0			
Acrylonitrile	+++++ 0.1034	0.0991 0.1079	0.0869 0.1074	0.0925	0.0952	Ave		0.0989				8.0		15.0			
trans-1,2-Dichloroethene	+++++ 0.2759	0.2913 0.2620	0.2612 0.2723	0.2516	0.2470	Ave		0.2659				5.7		15.0			
Isopropyl ether	0.1703 0.1910	0.1795 0.1808	0.1677 0.1821	0.1729	0.1717	Ave		0.1770				4.4		15.0			
1,1-Dichloroethane	0.4540 0.4551	0.4300 0.4365	0.3900 0.4668	0.3950	0.4031	Ave		0.4288			0.1000	6.9		15.0			
2-Chloro-1,3-butadiene	+++++ 0.2958	+++++ 0.2915	0.2320 0.3215	0.2300	0.2446	Ave		0.2692				14.4		15.0			
2-Butanone (MEK)	+++++ 0.1498	+++++ 0.1575	0.1408 0.1592	0.1437	0.1447	Ave		0.1493				5.1		15.0			
Propionitrile	+++++ 0.0372	+++++ 0.0394	0.0325 0.0399	0.0333	0.0337	Ave		0.0360				9.1		15.0			
cis-1,2-Dichloroethene	+++++ 0.2954	0.3031 0.2797	0.2722 0.2899	0.2719	0.2626	Ave		0.2821				5.2		15.0			
2,2-Dichloropropane	+++++ 0.2165	+++++ 0.2001	0.2129 0.2037	0.1898	0.1849	Ave		0.2013				6.2		15.0			
Methacrylonitrile	0.1520 0.1697	0.1573 0.1747	0.1436 0.1641	0.1540	0.1551	Ave		0.1588				6.4		15.0			
Chlorobromomethane	+++++ 0.1560	0.1519 0.1516	0.1440 0.1541	0.1427	0.1428	Ave		0.1490				3.8		15.0			
Chloroform	+++++ 0.4463	0.4605 0.4247	0.4081 0.4400	0.4050	0.4025	Ave		0.4267				5.3		30.0			
Isobutyl alcohol	+++++ 0.0096	+++++ 0.0101	0.0077 0.0105	0.0085	0.0087	Ave		0.0092				11.6		15.0			
1,1,1-Trichloroethane	+++++ 0.2311	0.2347 0.2143	0.2052 0.2389	0.1916	0.1979	Ave		0.2162				8.7		15.0			
1,1-Dichloropropene	+++++ 0.3420	0.3417 0.3173	0.2999 0.3358	0.3022	0.2873	Ave		0.3180				7.0		15.0			
Carbon tetrachloride	+++++ 0.2564	+++++ 0.2518	0.1819 0.2758	0.1900	0.2019	Lin1	0.0517	0.2713							0.9969		0.9900
1,2-Dichloroethane	+++++ 0.2902	+++++ 0.2752	0.2778 0.2764	0.2792	0.2711	Ave		0.2783				2.3		15.0			
Benzene	+++++ 0.9330	+++++ 0.8766	0.8287 0.9228	0.8376	0.8246	Ave		0.8705				5.5		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113188

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2012 07:20 Calibration End Date: 03/26/2012 09:52 Calibration ID: 8882

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	+++++ 0.2541	0.2723 0.2382	0.2348 0.2514	0.2296	0.2254	Ave		0.2437				6.8		15.0			
1,2-Dichloropropane	+++++ 0.2425	0.2497 0.2304	0.2230 0.2378	0.2213	0.2159	Ave		0.2315				5.3		30.0			
1,4-Dioxane	+++++ 0.0032	+++++ 0.0034	0.0027 0.0034	0.0029	0.0029	Ave		0.0031				9.6		15.0			
Dibromomethane	0.1838 0.1845	0.1915 0.1779	0.1731 0.1751	0.1748	0.1728	Ave		0.1792				3.8		15.0			
Dichlorobromomethane	+++++ 0.3288	0.3440 0.3134	0.3149 0.3180	0.3100	0.3018	Ave		0.3187				4.3		15.0			
cis-1,3-Dichloropropene	+++++ 0.3902	0.4025 0.3695	0.3656 0.3764	0.3667	0.3516	Ave		0.3746				4.5		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.2776	0.2741 0.2830	0.2485 0.2760	0.2552	0.2593	Ave		0.2677				4.9		15.0			
Toluene	+++++ 0.9470	0.9629 0.8732	0.8516 0.9152	0.8286	0.7962	Ave		0.8821				7.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3426	0.3828 0.3264	0.3258 0.3293	0.3222	0.3013	Ave		0.3329				7.6		15.0			
1,1,2-Trichloroethane	+++++ 0.2068	0.2123 0.2052	0.1983 0.2027	0.1965	0.1902	Ave		0.2017				3.6		15.0			
2-Hexanone	+++++ 0.9525	0.8695 0.9575	0.7639 0.9744	0.8743	0.8524	Ave		0.8921				8.4		15.0			
1,3-Dichloropropane	+++++ 1.6363	1.5726 1.5429	1.5053 1.6175	1.5433	1.4700	Ave		1.5554				3.8		15.0			
Tetrachloroethene	+++++ 0.8572	0.8254 0.7635	0.7489 0.8403	0.7360	0.6990	Ave		0.7815				7.6		15.0			
Chlorodibromomethane	+++++ 1.3074	+++++ 1.2010	1.1771 1.2974	1.1801	1.1325	Ave		1.2159				5.8		15.0			
Ethylene Dibromide	1.1298 1.1823	1.1396 1.1379	1.0682 1.1730	1.0735	1.0448	Ave		1.1187				4.5		15.0			
1-Chlorohexane	+++++ 1.7574	1.6110 1.5620	1.4774 1.7352	1.5010	1.4022	Ave		1.5780				8.4		15.0			
Chlorobenzene	+++++ 3.0011	2.4380 2.6799	2.6673 2.8563	2.6481	2.4659	Ave		2.6795			0.3000	7.5		15.0			
1,1,1,2-Tetrachloroethane	+++++ 1.0534	1.0431 0.9716	0.9300 1.0205	0.9539	0.9082	Ave		0.9830				5.8		15.0			
Ethylbenzene	1.3208 1.4621	1.3757 1.3486	1.2731 1.4438	1.2837	1.2080	Ave		1.3395				6.5		30.0			
m-Xylene & p-Xylene	1.6665 1.9248	1.7613 1.6975	1.6026 1.8281	1.6282	1.5124	Ave		1.7027				7.7		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113188

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2012 07:20 Calibration End Date: 03/26/2012 09:52 Calibration ID: 8882

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Styrene	+++++ 3.1394	2.6118 2.8602	2.5109 3.0909	2.5992	2.5214	Ave		2.7620				9.7		15.0			
o-Xylene	1.6144 1.8602	1.7265 1.6557	1.5944 1.7798	1.6248	1.5177	Ave		1.6717				6.6		15.0			
Bromoform	+++++ 0.8377	+++++ 0.7972	0.7176 0.8255	0.7479	0.7259	Ave		0.7753			0.1000	6.7		15.0			
Isopropylbenzene	+++++ 3.3809	3.1618 3.0685	2.8786 3.1545	2.9347	2.7452	Ave		3.0463				6.9		15.0			
Cyclohexanone	+++++ 0.0692	0.0656 0.0692	0.0557 0.0701	0.0587	0.0601	Ave		0.0641				9.1		15.0			
1,1,2,2-Tetrachloroethane	+++++ 1.0114	1.0297 0.9796	0.9146 0.9711	0.9185	0.9210	Ave		0.9637			0.3000	4.9		15.0			
1,2,3-Trichloropropane	0.2680 0.2794	0.2783 0.2761	0.2517 0.2713	0.2556	0.2511	Ave		0.2664				4.5		15.0			
Bromobenzene	0.8193 0.8755	0.8405 0.8178	0.7818 0.8459	0.7986	0.7481	Ave		0.8159				4.9		15.0			
N-Propylbenzene	+++++ 0.8788	+++++ 0.7989	0.7416 0.8569	0.7639	0.6997	Ave		0.7899				8.7		15.0			
1,3,5-Trimethylbenzene	+++++ 2.7168	+++++ 2.4765	2.3098 2.5681	2.3735	2.2042	Ave		2.4415				7.6		15.0			
2-Chlorotoluene	+++++ 0.8292	0.7646 0.7529	0.7249 0.7803	0.7302	0.6820	Ave		0.7520				6.2		15.0			
4-Chlorotoluene	+++++ 0.8156	0.7879 0.7501	0.7201 0.8073	0.7256	0.6692	Ave		0.7537				7.1		15.0			
tert-Butylbenzene	2.3867 2.5723	2.3843 2.3911	2.2328 2.4196	2.2352	2.1109	Ave		2.3416				6.1		15.0			
1,2,4-Trimethylbenzene	2.4621 2.7346	2.5746 2.5417	2.3777 2.5724	2.4620	2.2361	Ave		2.4952				6.0		15.0			
sec-Butylbenzene	3.3280 3.7824	3.4388 3.3994	3.2278 3.3646	3.2455	2.9708	Ave		3.3447				6.8		15.0			
4-Isopropyltoluene	+++++ 2.9260	2.5038 2.6802	2.4035 2.8331	2.4655	2.2331	Ave		2.5779				9.6		15.0			
1,3-Dichlorobenzene	+++++ 1.5522	1.4831 1.4233	1.3775 1.4997	1.4086	1.3248	Ave		1.4385				5.4		15.0			
1,4-Dichlorobenzene	+++++ 1.5696	1.5644 1.4447	1.4515 1.5205	1.4611	1.3069	Ave		1.4741				6.1		15.0			
n-Butylbenzene	+++++ 2.8693	2.6518 2.5566	2.5062 2.6550	2.5213	2.2472	Ave		2.5725				7.3		15.0			
1,2-Dichlorobenzene	1.3351 1.4392	1.4134 1.3284	1.2931 1.3621	1.3352	1.2317	Ave		1.3423				4.9		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113188

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2012 07:20 Calibration End Date: 03/26/2012 09:52 Calibration ID: 8882

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	+++++ 0.1875	+++++ 0.1916	0.1595 0.1736	0.1654	0.1680	Ave		0.1743				7.3		15.0			
1,2,4-Trichlorobenzene	+++++ 0.8483	0.8230 0.7458	0.7632 0.6979	0.7760	0.7066	Ave		0.7658				7.3		15.0			
Hexachlorobutadiene	+++++ 0.4909	0.4634 0.4158	0.4376 0.4087	0.4294	0.3735	Ave		0.4313				8.8		15.0			
Naphthalene	+++++ 1.9469	+++++ 1.8932	1.6494 1.6033	1.7373	1.6980	Ave		1.7547				7.8		15.0			
1,2,3-Trichlorobenzene	+++++ 0.6995	+++++ 0.6367	0.6716 0.5167	0.6527	0.5995	Ave		0.6294				10.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113188

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2012 07:20 Calibration End Date: 03/26/2012 09:52 Calibration ID: 8882

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-113188/2	G5462.D
Level 2	IC 280-113188/3	G5463.D
Level 3	IC 280-113188/4	G5464.D
Level 4	IC 280-113188/5	G5465.D
Level 5	IC 280-113188/6	G5466.D
Level 6	IC 280-113188/7	G5467.D
Level 7	IC 280-113188/8	G5468.D
Level 8	IC 280-113188/9	G5469.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Dichloroethene, Total	FB	Ave	+++++ 1908309	81112 3724439	187412 7871587	365045	701086	+++++ 100	4.00 200	10.0 400	20.0	40.0
Xylenes, Total	CBZ	Ave	65719 4097179	157979 7735601	373842 16261866	751745	1384617	3.00 150	6.00 300	15.0 600	30.0	60.0
Dichlorodifluoromethane	FB	Lin1	+++++ 970100	+++++ 1871185	82313 3881451	141979	277579	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Chloromethane	FB	Ave	+++++ 1007013	42308 1873062	95283 4086610	184083	350806	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Vinyl chloride	FB	Ave	+++++ 998330	+++++ 1886037	92112 4012246	176964	351924	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Bromomethane	FB	Ave	+++++ 738996	+++++ 1197997	78096 +++++	139251	233653	+++++ 50.0	+++++ 100	5.00 +++++	10.0	20.0
Chloroethane	FB	Ave	+++++ 541183	+++++ 865053	58110 +++++	103496	176528	+++++ 50.0	+++++ 100	5.00 +++++	10.0	20.0
Ethanol	FB	Lin2	+++++ 482276	+++++ 1044358	33103 +++++	92219	187414	+++++ 2500	+++++ 5000	250 +++++	500	1000
Trichlorofluoromethane	FB	Ave	+++++ 1210566	+++++ 2264472	110760 4564701	217730	425806	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Acrolein	FB	Ave	+++++ 1899027	76777 3976317	162404 6822290	347690	709928	+++++ 500	20.0 1000	50.0 2000	100	200
Acetone	FB	Ave	+++++ 1379433	+++++ 2933281	156086 5875755	288907	524706	+++++ 200	+++++ 400	20.0 800	40.0	80.0
1,1-Dichloroethene	FB	Ave	+++++ 1036277	47871 1977292	99570 4067059	195640	383646	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Acetonitrile	FB	Ave	+++++ 964417	+++++ 1709121	80589 4045010	188285	317624	+++++ 500	+++++ 1000	50.0 2000	100	200
Iodomethane	FB	Ave	+++++ 1439589	53390 2804273	131146 5870505	262328	521549	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
2-Methyl-2-propanol	FB	Ave	+++++ 2201341	89073 4849989	201789 9817071	423915	838124	+++++ 1000	40.0 2000	100 4000	200	400

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113188

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2012 07:20 Calibration End Date: 03/26/2012 09:52 Calibration ID: 8882

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methylene Chloride	FB	Ave	+++++ 1029940	+++++ 1947870	118398 4048621	216850	395424	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Acrylonitrile	FB	Ave	+++++ 3454574	135153 7421811	305484 15037949	645154	1310025	+++++ 500	20.0 1000	50.0 2000	100	200
trans-1,2-Dichloroethene	FB	Ave	+++++ 921645	39750 1801357	91775 3812179	175455	339844	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Isopropyl ether	FB	Ave	52175 3189345	122470 6215351	294660 12748417	602900	1181058	5.00 250	10.0 500	25.0 1000	50.0	100
1,1-Dichloroethane	FB	Ave	27823 1520027	58676 3001379	137033 6536200	275394	554498	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 987869	+++++ 2004386	81523 4502085	160385	336438	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
2-Butanone (MEK)	FB	Ave	+++++ 2001296	+++++ 4330572	197910 8917687	400783	796444	+++++ 200	+++++ 400	20.0 800	40.0	80.0
Propionitrile	FB	Ave	+++++ 1241785	+++++ 2712338	114055 5582382	231948	463315	+++++ 500	+++++ 1000	50.0 2000	100	200
cis-1,2-Dichloroethene	FB	Ave	+++++ 986664	41362 1923082	95637 4059408	189590	361242	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 722993	+++++ 1375498	74830 2852120	132369	254311	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Methacrylonitrile	FB	Ave	93164 5667492	214662 12010153	504646 22979901	1074091	2134213	10.0 500	20.0 1000	50.0 2000	100	200
Chlorobromomethane	FB	Ave	+++++ 521106	20731 1042324	50609 2157769	99474	196470	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 1490547	62828 2920231	143394 6161069	282362	553754	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Isobutyl alcohol	FB	Ave	+++++ 639621	+++++ 1389428	54049 2940492	118713	239703	+++++ 1000	+++++ 2000	100 4000	200	400
1,1,1-Trichloroethane	FB	Ave	+++++ 771755	32020 1473754	72121 3345272	133565	272198	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloropropene	FB	Ave	+++++ 1142337	46619 2181977	105369 4702036	210707	395205	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Carbon tetrachloride	FB	Lin1	+++++ 856477	+++++ 1731190	63928 3861809	132507	277788	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2-Dichloroethane	FB	Ave	+++++ 969327	+++++ 1891874	97618 3870236	194636	372909	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Benzene	FB	Ave	+++++ 3116171	+++++ 6027055	291201 12921873	584013	1134306	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Trichloroethene	FB	Ave	+++++ 848703	37150 1637757	82519 3520470	160102	310058	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloropropane	FB	Ave	+++++ 810075	34076 1584056	78356 3330238	154283	297051	+++++ 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113188

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2012 07:20 Calibration End Date: 03/26/2012 09:52 Calibration ID: 8882

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	FB	Ave	+++++ 538818	+++++ 1179980	48266 2374582	99791	198424	+++++ 2500	+++++ 5000	250 10000	500	1000
Dibromomethane	FB	Ave	11264 616148	26131 1223015	60843 2451875	121857	237677	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dichlorobromomethane	FB	Ave	+++++ 1098103	46940 2154533	110645 4453030	216158	415195	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 1303203	54917 2540254	128464 5270416	255708	483636	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 3708910	149590 7783415	349337 15459824	711658	1426615	+++++ 200	8.00 400	20.0 800	40.0	80.0
Toluene	FB	Ave	+++++ 3163062	131383 6003551	299255 12815309	577764	1095297	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 1144419	52230 2244212	114471 4611604	224630	414487	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloroethane	FB	Ave	+++++ 690733	28962 1411183	69670 2838412	137038	261625	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
2-Hexanone	CBZ	Ave	+++++ 2733795	104676 5865812	237997 11659950	538567	1039239	+++++ 200	8.00 400	20.0 800	40.0	80.0
1,3-Dichloropropane	CBZ	Ave	+++++ 1174152	47329 2363045	117252 4838992	237683	448079	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Tetrachloroethene	CBZ	Ave	+++++ 615119	24841 1169425	58333 2513872	113350	213055	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Chlorodibromomethane	CBZ	Ave	+++++ 938102	+++++ 1839400	91685 3881259	181747	345185	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Ethylene Dibromide	CBZ	Ave	15008 848355	34299 1742763	83205 3509267	165327	318467	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1-Chlorohexane	CBZ	Ave	+++++ 1261009	48486 2392318	115077 5190909	231158	427409	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Chlorobenzene	CBZ	Ave	+++++ 2153493	73376 4104399	207759 8544985	407822	751631	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 755877	31394 1488142	72438 3052899	146907	276840	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Ethylbenzene	CBZ	Ave	17545 1049121	41404 2065470	99166 4319150	197696	368212	1.00 50.0	2.00 100	5.00 200	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	44274 2762361	106016 5199760	249655 10937581	501508	922012	2.00 100	4.00 200	10.0 400	20.0	40.0
Styrene	CBZ	Ave	+++++ 2252720	78605 4380641	195575 9246682	400295	768543	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
o-Xylene	CBZ	Ave	21445 1334818	51963 2535841	124187 5324285	250237	462605	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromoform	CBZ	Ave	+++++ 601077	+++++ 1220941	55893 2469425	115174	221269	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113188

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2012 07:20 Calibration End Date: 03/26/2012 09:52 Calibration ID: 8882

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isopropylbenzene	DCB	Ave	+++++ 3419593	131005 6407782	307781 13345477	615867	1115618	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexanone	CBZ	Ave	+++++ 1986236	78926 4238544	173609 8386980	361703	732560	+++++ 2000	80.0 4000	200 8000	400	800
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 1023012	42666 2045672	97787 4108224	192755	374266	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	4788 282600	11532 576496	26913 1147780	53638	102059	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromobenzene	DCB	Ave	14639 885477	34827 1707736	83594 3578438	167588	304004	1.00 50.0	2.00 100	5.00 200	10.0	20.0
N-Propylbenzene	DCB	Ave	+++++ 888806	+++++ 1668273	79291 3625032	160302	284336	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 2747920	+++++ 5171641	246966 10864681	498098	895738	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
2-Chlorotoluene	DCB	Ave	+++++ 838726	31681 1572180	77508 3301150	153229	277136	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
4-Chlorotoluene	DCB	Ave	+++++ 824889	32644 1566415	76991 3415536	152264	271966	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butylbenzene	DCB	Ave	42643 2601731	98792 4993185	238734 10236267	469065	857816	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	43991 2765916	106676 5307768	254224 10882612	516671	908718	1.00 50.0	2.00 100	5.00 200	10.0	20.0
sec-Butylbenzene	DCB	Ave	59462 3825618	142483 7098787	345121 14234169	681087	1207299	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Isopropyltoluene	DCB	Ave	+++++ 2959446	103740 5596988	256989 11985711	517393	907475	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 1569952	61449 2972139	147285 6344737	295612	538368	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	+++++ 1587584	64820 3016921	155197 6432401	306630	531114	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
n-Butylbenzene	DCB	Ave	+++++ 2902114	109874 5338761	267971 11231990	529109	913238	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	23854 1455665	58562 2773951	138261 5762468	280207	500546	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 189606	+++++ 400193	17052 734552	34719	68278	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 857998	34101 1557514	81599 2952395	162853	287165	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Hexachlorobutadiene	DCB	Ave	+++++ 496545	19200 868288	46785 1728925	90110	151797	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Naphthalene	DCB	Ave	+++++ 1969184	+++++ 3953469	176361 6782989	364590	690041	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113188

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/26/2012 07:20 Calibration End Date: 03/26/2012 09:52 Calibration ID: 8882

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 707484	+++++ 1329621	71813 2185836	136967	243623	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0

Curve Type Legend:

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

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5462.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 07:20
Operator : REINHARDT Inst ID: G.i
Smp Info : IC,,M001
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\032612.B\8260B-soil.m
Meth Date : 27-Mar-2012 09:03 G.i Quant Type: ISTD
Cal Date : 26-MAR-2012 15:00 Cal File: G5479.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.186	8.186	(1.000)	3064337	50.0000	
* 85 Chlorobenzene-d5	119	10.840	10.840	(1.000)	664164	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.901	12.901	(1.000)	893361	50.0000	
M 1 1,3-Dichloropropene (total)	100				47563	1.00000	2.20330(a)
M 2 Trihalomethanes (total)	100				73172	1.00000	4.01697(a)
M 3 1,2-Dichloroethene (total)	96				36309	2.00000	2.16199(a)
M 4 Xylene (total)	106				65719	3.00000	2.92328(a)
5 dichlorodifluoromethane	85	4.241	4.241	(0.518)	20036	1.00000	3.04380(a)
7 Chloromethane	50	4.458	4.458	(0.545)	19905	1.00000	1.15640(aQ)
8 Vinyl Chloride	62	4.616	4.616	(0.564)	20579	1.00000	1.23488(a)
10 Bromomethane	94	5.010	5.010	(0.612)	16753	1.00000	1.38436(a)
11 Chloroethane	64	5.079	5.079	(0.620)	14748	1.00000	1.64830(aQ)
13 Trichlorofluoromethane	101	5.365	5.365	(0.655)	25116	1.00000	1.25788(a)
18 Acrolein	56	5.671	5.671	(0.693)	33947	10.0000	10.5544(a)
20 Acetone	43	5.770	5.770	(0.705)	35235	4.00000	5.52103(aQ)
22 1,1-Dichloroethene	96	5.839	5.839	(0.713)	22126	1.00000	1.21385(a)
23 Iodomethane	142	6.016	6.016	(0.735)	23608	1.00000	0.970652(a)
24 Acetonitrile	41	6.036	6.036	(0.737)	20009	10.0000	12.5856(aQ)
28 tert-Butyl alcohol	59	6.125	6.125	(0.748)	40291	20.0000	20.4084(aQ)
29 Methylene Chloride	84	6.204	6.204	(0.758)	37499	1.00000	2.02138(a)
30 Acrylonitrile	53	6.352	6.352	(0.776)	66151	10.0000	10.9104(a)
32 trans-1,2-Dichloroethene	96	6.450	6.450	(0.788)	17581	1.00000	1.07882(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 Isopropyl ether	87	6.727	6.727	(0.822)	52175	5.00000	4.80980(aQ)
36 1,1-Dichloroethane	63	6.796	6.796	(0.830)	27823	1.00000	1.05872(a)
37 Chloroprene	53	6.845	6.845	(0.836)	14754	1.00000	0.894167(a)
40 2-Butanone	43	7.170	7.170	(0.876)	52048	4.00000	5.68881(a)
41 cis-1,2-Dichloroethene	96	7.249	7.249	(0.886)	18728	1.00000	1.08317(aQ)
43 Propionitrile	54	7.239	7.239	(0.884)	25302	10.0000	11.4734(aQ)
44 2,2-Dichloropropane	77	7.279	7.279	(0.889)	17218	1.00000	1.39557(a)
45 Methacrylonitrile	41	7.368	7.368	(0.900)	93164	10.0000	9.57108(a)
46 Bromochloromethane	128	7.456	7.456	(0.911)	8102	1.00000	0.887106(aQ)
47 Chloroform	83	7.466	7.466	(0.912)	26849	1.00000	1.02665(a)
51 1,1,1-Trichloroethane	97	7.703	7.703	(0.941)	15052	1.00000	1.13580(a)
53 1,1-Dichloropropene	75	7.812	7.812	(0.954)	20890	1.00000	1.07180(aQ)
54 Carbon Tetrachloride	117	7.851	7.851	(0.959)	11399	1.00000	3.27068(a)
56 1,2-Dichloroethane	62	7.979	7.979	(0.975)	19413	1.00000	1.13820(a)
58 Benzene	78	7.999	7.999	(0.977)	59767	1.00000	1.12024(a)
60 n-Butanol	56	8.186	8.186	(1.000)	38791	30.0000	70.7357(aQ)
61 Trichloroethene	95	8.492	8.492	(1.037)	16612	1.00000	1.11230(a)
65 1,2-Dichloropropane	63	8.699	8.699	(1.063)	14923	1.00000	1.05170(a)
67 Dibromomethane	93	8.808	8.808	(1.076)	11264	1.00000	1.02574(a)
68 Bromodichloromethane	83	8.897	8.897	(1.087)	20797	1.00000	1.06478(a)
71 cis-1,3-Dichloropropene	75	9.262	9.262	(1.131)	23430	1.00000	1.02049(aQ)
72 4-Methyl-2-pentanone	43	9.321	9.321	(1.139)	67567	4.00000	4.11881(a)
74 Toluene	91	9.607	9.607	(1.173)	57652	1.00000	1.06642(a)
76 trans-1,3-Dichloropropene	75	9.715	9.715	(1.187)	24133	1.00000	1.18281(aQ)
77 1,1,2-Trichloroethane	97	9.922	9.922	(1.212)	12260	1.00000	0.991717(a)
78 2-Hexanone	43	10.060	10.060	(0.928)	49589	4.00000	4.18495(a)
79 1,3-Dichloropropane	76	10.080	10.080	(0.930)	19909	1.00000	0.963592(aQ)
80 Tetrachloroethene	164	10.130	10.130	(0.934)	11250	1.00000	1.08375(a)
81 Dibromochloromethane	129	10.317	10.317	(0.952)	15719	1.00000	0.973240(a)
83 1,2-Dibromoethane	107	10.475	10.475	(0.966)	15008	1.00000	1.01000(a)
84 1-Chlorohexane	91	10.741	10.741	(0.991)	21012	1.00000	1.00242(aQ)
86 Chlorobenzene	112	10.869	10.869	(1.003)	35880	1.00000	1.00807(aQ)
87 1,1,1,2-Tetrachloroethane	131	10.909	10.909	(1.006)	12647	1.00000	0.968594(aQ)
88 Ethylbenzene	106	10.919	10.919	(1.007)	17545	1.00000	0.986081(aQ)
89 m and p-Xylene	106	10.998	10.998	(1.015)	44274	2.00000	1.95754(aQ)
90 o-Xylene	106	11.362	11.362	(1.048)	21445	1.00000	0.965746(a)
91 Styrene	104	11.353	11.353	(1.047)	30375	1.00000	0.827926(a)
92 Bromoform	173	11.579	11.579	(1.068)	9807	1.00000	0.952298(a)
93 isopropyl benzene	105	11.658	11.658	(0.904)	54515	1.00000	1.00157(a)
97 1,1,2,2-Tetrachloroethane	83	11.875	11.875	(0.920)	18898	1.00000	1.09753(a)
99 1,2,3-Trichloropropane	110	11.954	11.954	(0.927)	4788	1.00000	1.00577(aQ)
100 Bromobenzene	156	12.004	12.004	(0.930)	14639	1.00000	1.00415(a)
101 n-Propylbenzene	120	12.013	12.013	(0.931)	14319	1.00000	1.01452(aQ)
102 1,3,5-Trimethylbenzene	105	12.152	12.152	(0.942)	41984	1.00000	0.962431(a)
103 2-Chlorotoluene	126	12.152	12.152	(0.942)	13752	1.00000	1.02349(a)
104 4-Chlorotoluene	126	12.240	12.240	(0.949)	13688	1.00000	1.01648(a)
105 tert-Butylbenzene	119	12.477	12.477	(0.967)	42643	1.00000	1.01924(a)
106 1,2,4-Trimethylbenzene	105	12.517	12.517	(0.970)	43991	1.00000	0.986753(a)
107 sec-Butylbenzene	105	12.684	12.684	(0.983)	59462	1.00000	0.995016(a)
108 4-Isopropyltoluene	119	12.793	12.793	(0.992)	44827	1.00000	0.973241(a)
109 1,3-Dichlorobenzene	146	12.852	12.852	(0.996)	25486	1.00000	0.991625(a)
111 1,4-dichlorobenzene	146	12.931	12.931	(1.002)	27247	1.00000	1.03450(aQ)
113 n-Butylbenzene	91	13.197	13.197	(1.023)	46382	1.00000	1.00911(a)
114 1,2-Dichlorobenzene	146	13.325	13.325	(1.033)	23854	1.00000	0.994634(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
115 1,2-Dibromo-3-chloropropane	157	14.134	14.134	(1.096)	3183	1.00000	1.02220(aQ)
116 1,2,4-Trichlorobenzene	180	15.180	15.180	(1.177)	14596	1.00000	1.06669(a)
117 Hexachlorobutadiene	225	15.357	15.357	(1.190)	8118	1.00000	1.05338(a)
118 Naphthalene	128	15.564	15.564	(1.206)	28760	1.00000	0.917334(a)
119 1,2,3-Trichlorobenzene	180	15.910	15.910	(1.233)	12246	1.00000	1.08887(a)

QC Flag Legend

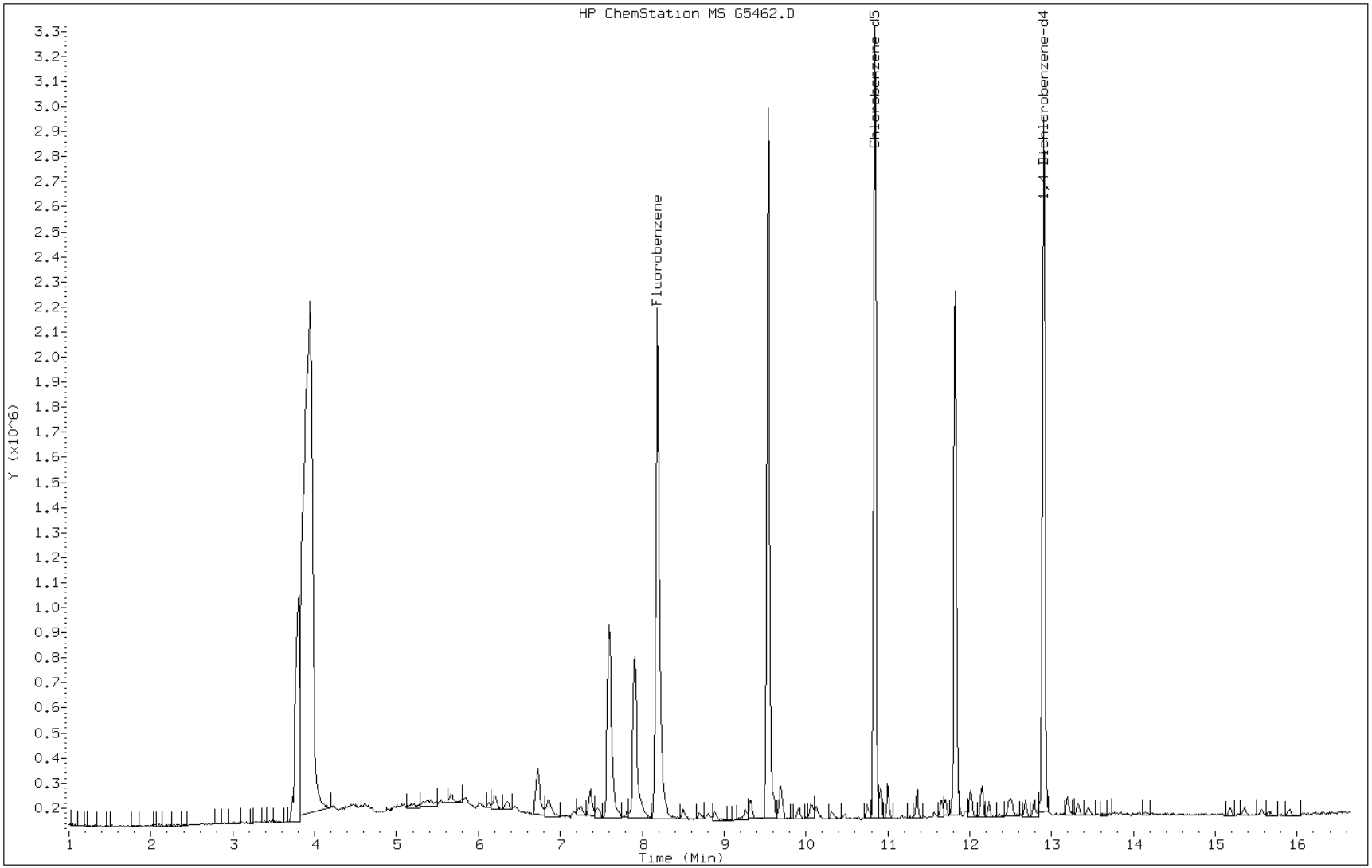
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: G5462.D

Date: 26-MAR-2012 07:20

Client ID: Instrument: G.i

Sample Info: IC,,M001 Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5463.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 07:42
Operator : REINHARDT Inst ID: G.i
Smp Info : IC,,M002
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\032612.B\8260B-soil.m
Meth Date : 27-Mar-2012 09:03 G.i Quant Type: ISTD
Cal Date : 26-MAR-2012 07:20 Cal File: G5462.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.190	8.190	(1.000)	3411123	50.0000	
* 85 Chlorobenzene-d5	119	10.844	10.844	(1.000)	752415	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.905	12.905	(1.000)	1035844	50.0000	
M 1 1,3-Dichloropropene (total)	100				107147	4.00000	4.44838(a)
M 2 Trihalomethanes (total)	100				170834	8.00000	8.37124
M 3 1,2-Dichloroethene (total)	96				81112	4.00000	4.34024(a)
M 4 Xylene (total)	106				157979	6.00000	6.20323
5 dichlorodifluoromethane	85	4.235	4.235	(0.517)	36476	2.00000	3.78481(a)
7 Chloromethane	50	4.472	4.472	(0.546)	42308	2.00000	2.20804(aQ)
8 Vinyl Chloride	62	4.620	4.620	(0.564)	38467	2.00000	2.07361(a)
10 Bromomethane	94	5.014	5.014	(0.612)	35825	2.00000	2.65940(a)
11 Chloroethane	64	5.083	5.083	(0.621)	28670	2.00000	2.87852(aQ)
13 Trichlorofluoromethane	101	5.369	5.369	(0.656)	51217	2.00000	2.30432(a)
18 Acrolein	56	5.675	5.675	(0.693)	76777	20.0000	21.4438(a)
20 Acetone	43	5.774	5.774	(0.705)	61866	8.00000	8.70837(aQ)
22 1,1-Dichloroethene	96	5.853	5.853	(0.715)	47871	2.00000	2.35924(a)
23 Iodomethane	142	6.030	6.030	(0.736)	53390	2.00000	1.97198(a)
24 Acetonitrile	41	6.040	6.040	(0.737)	25936	20.0000	14.6551(a)
28 tert-Butyl alcohol	59	6.129	6.129	(0.748)	89073	40.0000	40.5309(aQ)
29 Methylene Chloride	84	6.208	6.208	(0.758)	66264	2.00000	3.20881(a)
30 Acrylonitrile	53	6.356	6.356	(0.776)	135153	20.0000	20.0249(a)
32 trans-1,2-Dichloroethene	96	6.454	6.454	(0.788)	39750	2.00000	2.19119(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 Isopropyl ether	87	6.731	6.731	(0.822)	122470	10.0000	10.1422(a)
36 1,1-Dichloroethane	63	6.790	6.790	(0.829)	58676	2.00000	2.00574(a)
37 Chloroprene	53	6.869	6.869	(0.839)	34278	2.00000	1.86622(a)
40 2-Butanone	43	7.174	7.174	(0.876)	97082	8.00000	9.53224(a)
41 cis-1,2-Dichloroethene	96	7.243	7.243	(0.884)	41362	2.00000	2.14906(aQ)
43 Propionitrile	54	7.224	7.224	(0.882)	51942	20.0000	21.1591(aQ)
44 2,2-Dichloropropane	77	7.273	7.273	(0.888)	33025	2.00000	2.40465(a)
45 Methacrylonitrile	41	7.372	7.372	(0.900)	214662	20.0000	19.8110(a)
46 Bromochloromethane	128	7.460	7.460	(0.911)	20731	2.00000	2.03912(aQ)
47 Chloroform	83	7.470	7.470	(0.912)	62828	2.00000	2.15818(a)
51 1,1,1-Trichloroethane	97	7.707	7.707	(0.941)	32020	2.00000	2.17054(a)
50 Isobutanol	41	7.658	7.658	(0.935)	28196	40.0000	45.0094(aQ)
53 1,1-Dichloropropene	75	7.816	7.816	(0.954)	46619	2.00000	2.14871(aQ)
54 Carbon Tetrachloride	117	7.855	7.855	(0.959)	26566	2.00000	4.02037(a)
56 1,2-Dichloroethane	62	7.973	7.973	(0.974)	40703	2.00000	2.14383(a)
58 Benzene	78	8.003	8.003	(0.977)	125793	2.00000	2.11809(a)
60 n-Butanol	56	8.200	8.200	(1.001)	56317	60.0000	92.2543(a)
61 Trichloroethene	95	8.506	8.506	(1.039)	37150	2.00000	2.23458(a)
65 1,2-Dichloropropane	63	8.703	8.703	(1.063)	34076	2.00000	2.15736(a)
66 1,4-Dioxane	88	8.753	8.753	(1.069)	16051	100.000	76.1216(a)
67 Dibromomethane	93	8.812	8.812	(1.076)	26131	2.00000	2.13766(a)
68 Bromodichloromethane	83	8.891	8.891	(1.085)	46940	2.00000	2.15895(a)
71 cis-1,3-Dichloropropene	75	9.265	9.265	(1.131)	54917	2.00000	2.14873(a)
72 4-Methyl-2-pentanone	43	9.325	9.325	(1.138)	149590	8.00000	8.19180(a)
74 Toluene	91	9.611	9.611	(1.173)	131383	2.00000	2.18320(a)
76 trans-1,3-Dichloropropene	75	9.719	9.719	(1.187)	52230	2.00000	2.29966(a)
77 1,1,2-Trichloroethane	97	9.916	9.916	(1.211)	28962	2.00000	2.10458(a)
78 2-Hexanone	43	10.055	10.055	(0.927)	104676	8.00000	7.79776(a)
79 1,3-Dichloropropane	76	10.084	10.084	(0.930)	47329	2.00000	2.02204(a)
80 Tetrachloroethene	164	10.133	10.133	(0.935)	24841	2.00000	2.11233(a)
81 Dibromochloromethane	129	10.321	10.321	(0.952)	37993	2.00000	2.07643(a)
83 1,2-Dibromoethane	107	10.479	10.479	(0.966)	34299	2.00000	2.03750(a)
84 1-Chlorohexane	91	10.745	10.745	(0.991)	48486	2.00000	2.04181(aQ)
86 Chlorobenzene	112	10.863	10.863	(1.002)	73376	2.00000	1.81974(aQ)
87 1,1,1,2-Tetrachloroethane	131	10.913	10.913	(1.006)	31394	2.00000	2.12236(aQ)
88 Ethylbenzene	106	10.913	10.913	(1.006)	41404	2.00000	2.05409(a)
89 m and p-Xylene	106	11.001	11.001	(1.015)	106016	4.00000	4.13762
90 o-Xylene	106	11.357	11.357	(1.047)	51963	2.00000	2.06561(a)
91 Styrene	104	11.357	11.357	(1.047)	78605	2.00000	1.89122(a)
92 Bromoform	173	11.574	11.574	(1.067)	23073	2.00000	1.97769(a)
93 isopropyl benzene	105	11.652	11.652	(0.903)	131005	2.00000	2.07581(a)
95 Cyclohexanone	55	11.791	11.791	(1.087)	78926	80.0000	81.8488(a)
97 1,1,2,2-Tetrachloroethane	83	11.879	11.879	(0.921)	42666	2.00000	2.13705(a)
99 1,2,3-Trichloropropane	110	11.958	11.958	(0.927)	11532	2.00000	2.08920(aQ)
100 Bromobenzene	156	12.008	12.008	(0.930)	34827	2.00000	2.06033(a)
101 n-Propylbenzene	120	12.017	12.017	(0.931)	33013	2.00000	2.01728(a)
102 1,3,5-Trimethylbenzene	105	12.146	12.146	(0.941)	102559	2.00000	2.02765(a)
103 2-Chlorotoluene	126	12.156	12.156	(0.942)	31681	2.00000	2.03353(a)
104 4-Chlorotoluene	126	12.234	12.234	(0.948)	32644	2.00000	2.09070(a)
105 tert-Butylbenzene	119	12.481	12.481	(0.967)	98792	2.00000	2.03650(a)
106 1,2,4-Trimethylbenzene	105	12.511	12.511	(0.969)	106676	2.00000	2.06369(a)
107 sec-Butylbenzene	105	12.678	12.678	(0.982)	142483	2.00000	2.05630(a)
108 4-Isopropyltoluene	119	12.787	12.787	(0.991)	103740	2.00000	1.94249(a)
109 1,3-Dichlorobenzene	146	12.856	12.856	(0.996)	61449	2.00000	2.06202(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
111 1,4-dichlorobenzene	146	12.935	12.935	(1.002)	64820	2.00000	2.12253(aQ)
113 n-Butylbenzene	91	13.201	13.201	(1.023)	109874	2.00000	2.06166(a)
114 1,2-Dichlorobenzene	146	13.329	13.329	(1.033)	58562	2.00000	2.10596(a)
115 1,2-Dibromo-3-chloropropane	157	14.138	14.138	(1.096)	6860	2.00000	1.90001(a)
116 1,2,4-Trichlorobenzene	180	15.184	15.184	(1.177)	34101	2.00000	2.14934(a)
117 Hexachlorobutadiene	225	15.361	15.361	(1.190)	19200	2.00000	2.14868(a)
118 Naphthalene	128	15.558	15.558	(1.206)	71855	2.00000	1.97664(a)
119 1,2,3-Trichlorobenzene	180	15.904	15.904	(1.232)	28649	2.00000	2.19698(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: G5463.D

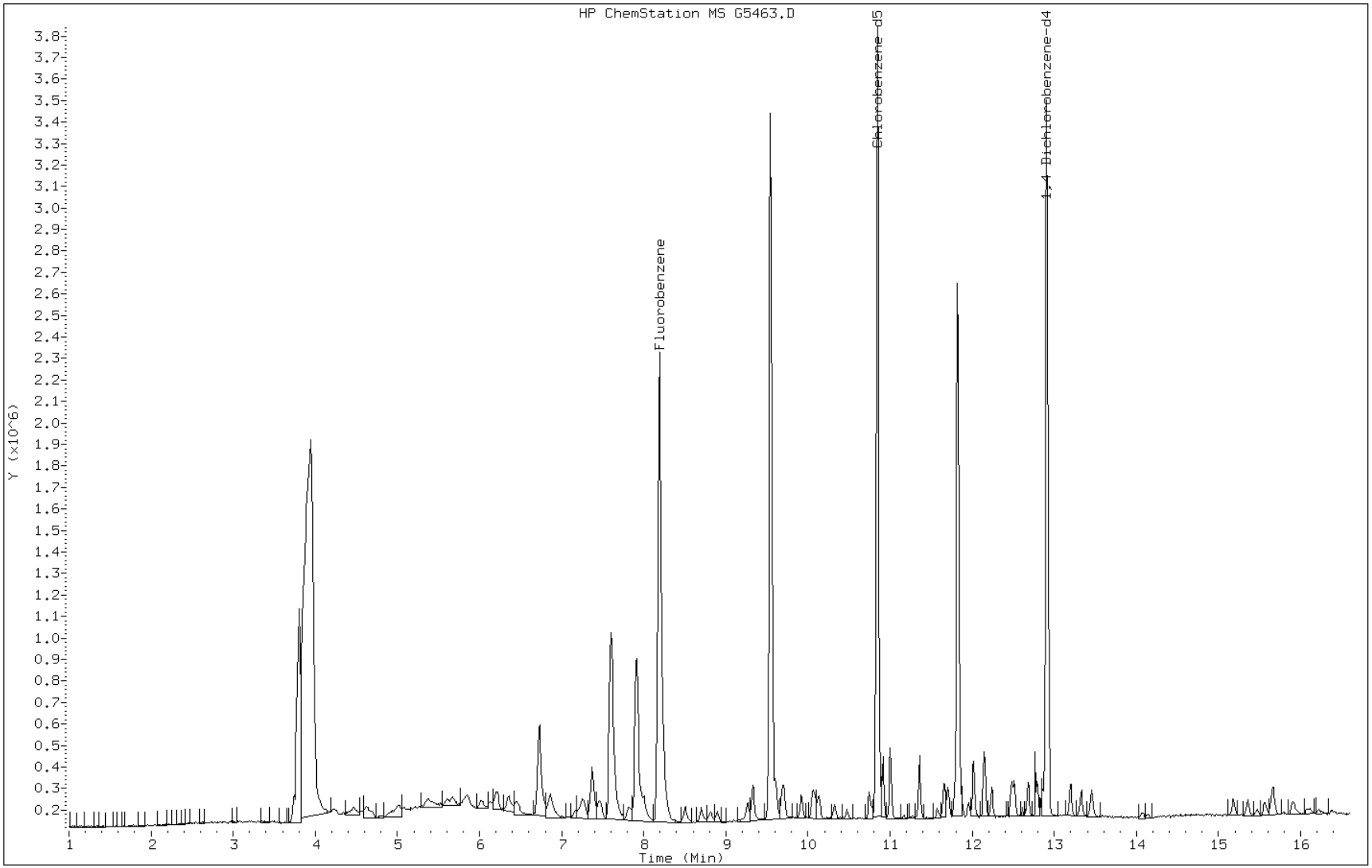
Date: 26-MAR-2012 07:42

Client ID:

Instrument: G.i

Sample Info: IC,,M002

Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5464.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 08:04
Operator : REINHARDT Inst ID: G.i
Smp Info : IC,,M005
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\032612.B\8260B-soil.m
Meth Date : 27-Mar-2012 09:03 G.i Quant Type: ISTD
Cal Date : 26-MAR-2012 13:13 Cal File: G5474.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.195	8.195	(1.000)	3514019	50.0000	
* 85 Chlorobenzene-d5	119	10.849	10.849	(1.000)	778906	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.910	12.910	(1.000)	1069212	50.0000	
M 1 1,3-Dichloropropene (total)	100				242935	10.0000	9.77171
M 2 Trihalomethanes (total)	100				401617	20.0000	19.1897
M 3 1,2-Dichloroethene (total)	96				187412	10.0000	9.73443
M 4 Xylene (total)	106				373842	15.0000	14.1809
5 dichlorodifluoromethane	85	4.240	4.240	(0.517)	82313	5.00000	6.05535(a)
7 Chloromethane	50	4.467	4.467	(0.545)	95283	5.00000	4.82718(a)
8 Vinyl Chloride	62	4.625	4.625	(0.564)	92112	5.00000	4.82002(a)
10 Bromomethane	94	5.019	5.019	(0.612)	78096	5.00000	5.62755(a)
11 Chloroethane	64	5.079	5.079	(0.620)	58110	5.00000	5.66351(a)
13 Trichlorofluoromethane	101	5.374	5.374	(0.656)	110760	5.00000	4.83732(a)
14 Ethanol	45	5.345	5.345	(0.652)	33103	250.000	245.847(aQ)
18 Acrolein	56	5.680	5.680	(0.693)	162404	50.0000	44.0312(a)
20 Acetone	43	5.779	5.779	(0.705)	156086	20.0000	21.3276
22 1,1-Dichloroethene	96	5.858	5.858	(0.715)	99570	5.00000	4.76345(a)
23 Iodomethane	142	6.025	6.025	(0.735)	131146	5.00000	4.70210(a)
24 Acetonitrile	41	6.025	6.025	(0.735)	80589	50.0000	44.2034(a)
28 tert-Butyl alcohol	59	6.134	6.134	(0.748)	201789	100.000	89.1314(a)
29 Methylene Chloride	84	6.213	6.213	(0.758)	118398	5.00000	5.56550
30 Acrylonitrile	53	6.351	6.351	(0.775)	305484	50.0000	43.9366(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32	trans-1,2-Dichloroethene	96	6.459	6.459	(0.788)	91775	5.00000	4.91089
35	Isopropyl ether	87	6.726	6.726	(0.821)	294660	25.0000	23.6874(a)
36	1,1-Dichloroethane	63	6.795	6.795	(0.829)	137033	5.00000	4.54709(a)
37	Chloroprene	53	6.864	6.864	(0.838)	81523	5.00000	4.30845(a)
40	2-Butanone	43	7.170	7.170	(0.875)	197910	20.0000	18.8633(a)
41	cis-1,2-Dichloroethene	96	7.258	7.258	(0.886)	95637	5.00000	4.82353
43	Propionitrile	54	7.229	7.229	(0.882)	114055	50.0000	45.1010(a)
44	2,2-Dichloropropane	77	7.278	7.278	(0.888)	74830	5.00000	5.28905
45	Methacrylonitrile	41	7.367	7.367	(0.899)	504646	50.0000	45.2097(a)
46	Bromochloromethane	128	7.456	7.456	(0.910)	50609	5.00000	4.83219(a)
47	Chloroform	83	7.466	7.466	(0.911)	143394	5.00000	4.78144(a)
51	1,1,1-Trichloroethane	97	7.702	7.702	(0.940)	72121	5.00000	4.74571(a)
50	Isobutanol	41	7.663	7.663	(0.935)	54049	100.000	83.7523(aQ)
53	1,1-Dichloropropene	75	7.821	7.821	(0.954)	105369	5.00000	4.71434(a)
54	Carbon Tetrachloride	117	7.860	7.860	(0.959)	63928	5.00000	5.93767
56	1,2-Dichloroethane	62	7.978	7.978	(0.974)	97618	5.00000	4.99100(a)
58	Benzene	78	8.008	8.008	(0.977)	291201	5.00000	4.75963(a)
60	n-Butanol	56	8.205	8.205	(1.001)	93369	150.000	148.471(aQ)
61	Trichloroethene	95	8.511	8.511	(1.039)	82519	5.00000	4.81821(a)
65	1,2-Dichloropropane	63	8.699	8.699	(1.061)	78356	5.00000	4.81548(a)
66	1,4-Dioxane	88	8.758	8.758	(1.069)	48266	250.000	222.198(aQ)
67	Dibromomethane	93	8.817	8.817	(1.076)	60843	5.00000	4.83156(a)
68	Bromodichloromethane	83	8.896	8.896	(1.085)	110645	5.00000	4.93996(a)
71	cis-1,3-Dichloropropene	75	9.271	9.271	(1.131)	128464	5.00000	4.87921(a)
72	4-Methyl-2-pentanone	43	9.330	9.330	(1.138)	349337	20.0000	18.5701(a)
74	Toluene	91	9.606	9.606	(1.172)	299255	5.00000	4.82713(a)
76	trans-1,3-Dichloropropene	75	9.714	9.714	(1.185)	114471	5.00000	4.89251(a)
77	1,1,2-Trichloroethane	97	9.912	9.912	(1.209)	69670	5.00000	4.91446(a)
78	2-Hexanone	43	10.060	10.060	(0.927)	237997	20.0000	17.1264(a)
79	1,3-Dichloropropane	76	10.089	10.089	(0.930)	117252	5.00000	4.83898(aQ)
80	Tetrachloroethene	164	10.129	10.129	(0.934)	58333	5.00000	4.79160(a)
81	Dibromochloromethane	129	10.326	10.326	(0.952)	91685	5.00000	4.84043(a)
83	1,2-Dibromoethane	107	10.474	10.474	(0.965)	83205	5.00000	4.77461(a)
84	1-Chlorohexane	91	10.750	10.750	(0.991)	115077	5.00000	4.68123(a)
86	Chlorobenzene	112	10.869	10.869	(1.002)	207759	5.00000	4.97722(aQ)
87	1,1,1,2-Tetrachloroethane	131	10.908	10.908	(1.005)	72438	5.00000	4.73054(a)
88	Ethylbenzene	106	10.918	10.918	(1.006)	99166	5.00000	4.75239(a)
89	m and p-Xylene	106	11.007	11.007	(1.015)	249655	10.0000	9.41220
90	o-Xylene	106	11.362	11.362	(1.047)	124187	5.00000	4.76873
91	Styrene	104	11.362	11.362	(1.047)	195575	5.00000	4.54547(a)
92	Bromoform	173	11.579	11.579	(1.067)	55893	5.00000	4.62790(a)
93	isopropyl benzene	105	11.658	11.658	(0.903)	307781	5.00000	4.72467(a)
95	Cyclohexanone	55	11.786	11.786	(1.086)	173609	200.000	173.915(a)
97	1,1,2,2-Tetrachloroethane	83	11.875	11.875	(0.920)	97787	5.00000	4.74508(a)
99	1,2,3-Trichloropropane	110	11.954	11.954	(0.926)	26913	5.00000	4.72355(aQ)
100	Bromobenzene	156	12.013	12.013	(0.930)	83594	5.00000	4.79101(a)
101	n-Propylbenzene	120	12.023	12.023	(0.931)	79291	5.00000	4.69393(a)
102	1,3,5-Trimethylbenzene	105	12.151	12.151	(0.941)	246966	5.00000	4.73027(a)
103	2-Chlorotoluene	126	12.151	12.151	(0.941)	77508	5.00000	4.81980(a)
104	4-Chlorotoluene	126	12.240	12.240	(0.948)	76991	5.00000	4.77705(a)
105	tert-Butylbenzene	119	12.476	12.476	(0.966)	238734	5.00000	4.76768(a)
106	1,2,4-Trimethylbenzene	105	12.516	12.516	(0.969)	254224	5.00000	4.76458(a)
107	sec-Butylbenzene	105	12.683	12.683	(0.982)	345121	5.00000	4.82531(a)
108	4-Isopropyltoluene	119	12.792	12.792	(0.991)	256989	5.00000	4.66185(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 1,3-Dichlorobenzene	146	12.851	12.851	(0.995)	147285	5.00000	4.78815(a)
111 1,4-dichlorobenzene	146	12.930	12.930	(1.002)	155197	5.00000	4.92332(a)
113 n-Butylbenzene	91	13.196	13.196	(1.022)	267971	5.00000	4.87125(a)
114 1,2-Dichlorobenzene	146	13.325	13.325	(1.032)	138261	5.00000	4.81687(a)
115 1,2-Dibromo-3-chloropropane	157	14.143	14.143	(1.095)	17052	5.00000	4.57550(a)
116 1,2,4-Trichlorobenzene	180	15.179	15.179	(1.176)	81599	5.00000	4.98258(a)
117 Hexachlorobutadiene	225	15.356	15.356	(1.189)	46785	5.00000	5.07233
118 Naphthalene	128	15.564	15.564	(1.206)	176361	5.00000	4.70007(a)
119 1,2,3-Trichlorobenzene	180	15.909	15.909	(1.232)	71813	5.00000	5.33519

QC Flag Legend

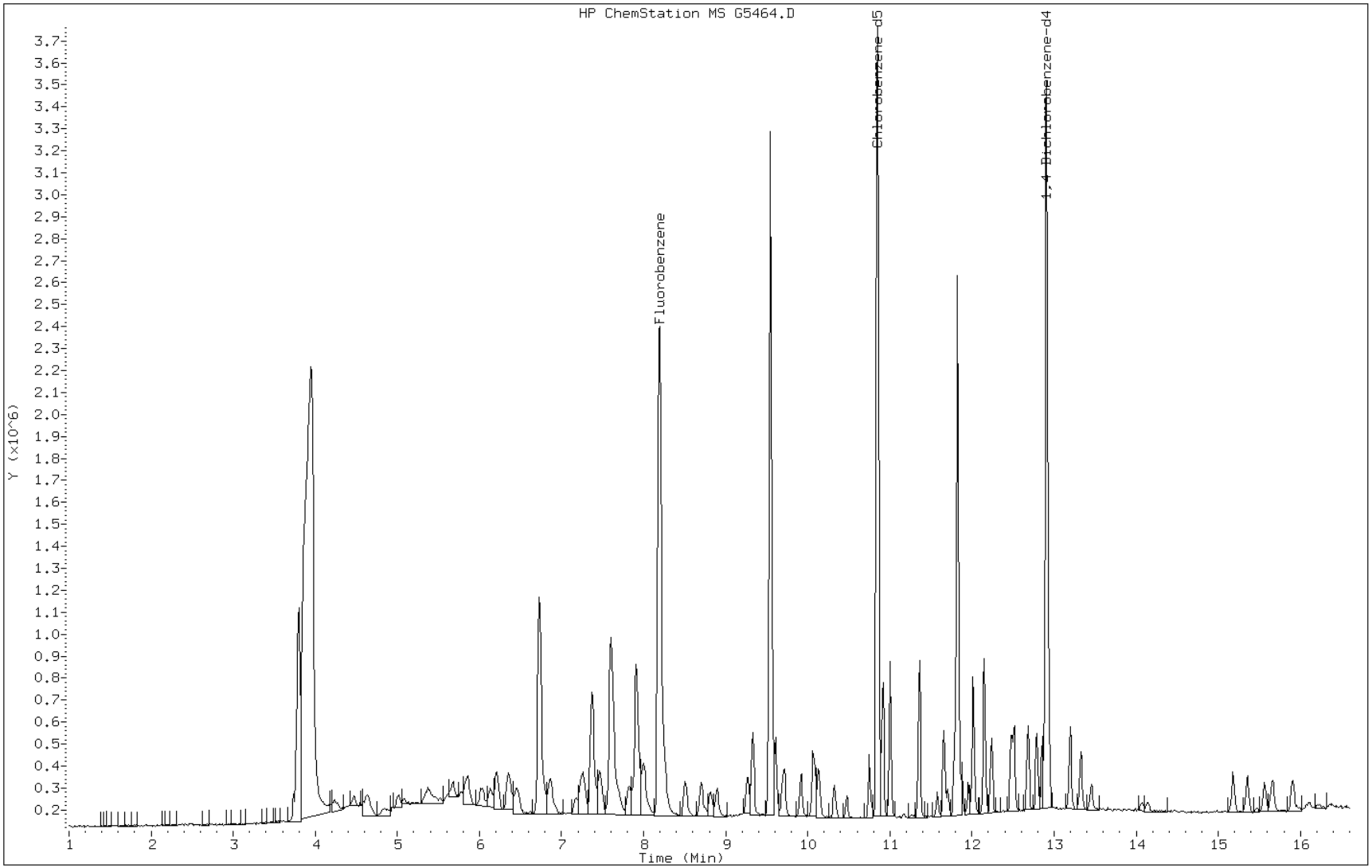
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: G5464.D

Date: 26-MAR-2012 08:04

Client ID: Instrument: G.i

Sample Info: IC,,M005 Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5465.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 08:26
Operator : REINHARDT Inst ID: G.i
Smp Info : IC,,M010
Misc Info :
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Meth Date : 27-Mar-2012 09:03 G.i Quant Type: ISTD
Cal Date : 26-MAR-2012 13:34 Cal File: G5475.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.196	8.196	(1.000)	3486223	50.0000	
* 85 Chlorobenzene-d5	119	10.849	10.849	(1.000)	770032	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.911	12.911	(1.000)	1049283	50.0000	
M 1 1,3-Dichloropropene (total)	100				480338	20.0000	19.4668
M 2 Trihalomethanes (total)	100				795441	40.0000	38.5701
M 3 1,2-Dichloroethene (total)	96				365045	20.0000	19.1018
M 4 Xylene (total)	106				751745	30.0000	28.8449
5 dichlorodifluoromethane	85	4.241	4.241	(0.517)	141979	10.0000	9.14106(a)
7 Chloromethane	50	4.467	4.467	(0.545)	184083	10.0000	9.40029(a)
8 Vinyl Chloride	62	4.625	4.625	(0.564)	176964	10.0000	9.33397(a)
10 Bromomethane	94	5.020	5.020	(0.613)	139251	10.0000	10.1144
11 Chloroethane	64	5.079	5.079	(0.620)	103496	10.0000	10.1673
13 Trichlorofluoromethane	101	5.375	5.375	(0.656)	217730	10.0000	9.58494(a)
14 Ethanol	45	5.355	5.355	(0.653)	92219	500.000	523.345(a)
18 Acrolein	56	5.671	5.671	(0.692)	347690	100.000	95.0177(a)
20 Acetone	43	5.779	5.779	(0.705)	288907	40.0000	39.7910
22 1,1-Dichloroethene	96	5.858	5.858	(0.715)	195640	10.0000	9.43409
23 Iodomethane	142	6.026	6.026	(0.735)	262328	10.0000	9.48048
24 Acetonitrile	41	6.036	6.036	(0.736)	188285	100.000	104.098
28 tert-Butyl alcohol	59	6.134	6.134	(0.748)	423915	200.000	188.739(a)
29 Methylene Chloride	84	6.213	6.213	(0.758)	216850	10.0000	10.2747
30 Acrylonitrile	53	6.361	6.361	(0.776)	645154	100.000	93.5300(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32	trans-1,2-Dichloroethene	96	6.460	6.460	(0.788)	175455	10.0000	9.46348
35	Isopropyl ether	87	6.726	6.726	(0.821)	602900	50.0000	48.8530(a)
36	1,1-Dichloroethane	63	6.795	6.795	(0.829)	275394	10.0000	9.21110
37	Chloroprene	53	6.854	6.854	(0.836)	160385	10.0000	8.54386
40	2-Butanone	43	7.170	7.170	(0.875)	400783	40.0000	38.5042
41	cis-1,2-Dichloroethene	96	7.259	7.259	(0.886)	189590	10.0000	9.63837
43	Propionitrile	54	7.229	7.229	(0.882)	231948	100.000	92.4509
44	2,2-Dichloropropane	77	7.279	7.279	(0.888)	132369	10.0000	9.43056
45	Methacrylonitrile	41	7.367	7.367	(0.899)	1074091	100.000	96.9918
46	Bromochloromethane	128	7.466	7.466	(0.911)	99474	10.0000	9.57358
47	Chloroform	83	7.466	7.466	(0.911)	282362	10.0000	9.49036
51	1,1,1-Trichloroethane	97	7.703	7.703	(0.940)	133565	10.0000	8.85893
50	Isobutanol	41	7.653	7.653	(0.934)	118713	200.000	185.420(a)
53	1,1-Dichloropropene	75	7.821	7.821	(0.954)	210707	10.0000	9.50245
54	Carbon Tetrachloride	117	7.861	7.861	(0.959)	132507	10.0000	9.58948
56	1,2-Dichloroethane	62	7.979	7.979	(0.974)	194636	10.0000	10.0306
58	Benzene	78	8.009	8.009	(0.977)	584013	10.0000	9.62170
60	n-Butanol	56	8.206	8.206	(1.001)	186412	300.000	298.788
61	Trichloroethene	95	8.512	8.512	(1.039)	160102	10.0000	9.42274
65	1,2-Dichloropropane	63	8.699	8.699	(1.061)	154283	10.0000	9.55727
66	1,4-Dioxane	88	8.758	8.758	(1.069)	99791	500.000	463.062(a)
67	Dibromomethane	93	8.817	8.817	(1.076)	121857	10.0000	9.75385
68	Bromodichloromethane	83	8.896	8.896	(1.085)	216158	10.0000	9.72775
71	cis-1,3-Dichloropropene	75	9.261	9.261	(1.130)	255708	10.0000	9.78951
72	4-Methyl-2-pentanone	43	9.330	9.330	(1.138)	711658	40.0000	38.1321
74	Toluene	91	9.606	9.606	(1.172)	577764	10.0000	9.39392
76	trans-1,3-Dichloropropene	75	9.715	9.715	(1.185)	224630	10.0000	9.67727
77	1,1,2-Trichloroethane	97	9.922	9.922	(1.211)	137038	10.0000	9.74360
78	2-Hexanone	43	10.060	10.060	(0.927)	538567	40.0000	39.2022
79	1,3-Dichloropropane	76	10.090	10.090	(0.930)	237683	10.0000	9.92221
80	Tetrachloroethene	164	10.139	10.139	(0.935)	113350	10.0000	9.41811
81	Dibromochloromethane	129	10.326	10.326	(0.952)	181747	10.0000	9.70574
83	1,2-Dibromoethane	107	10.474	10.474	(0.965)	165327	10.0000	9.59641
84	1-Chlorohexane	91	10.751	10.751	(0.991)	231158	10.0000	9.51168
86	Chlorobenzene	112	10.869	10.869	(1.002)	407822	10.0000	9.88266
87	1,1,1,2-Tetrachloroethane	131	10.918	10.918	(1.006)	146907	10.0000	9.70428
88	Ethylbenzene	106	10.918	10.918	(1.006)	197696	10.0000	9.58349
89	m and p-Xylene	106	11.007	11.007	(1.015)	501508	20.0000	19.1252
90	o-Xylene	106	11.362	11.362	(1.047)	250237	10.0000	9.71974
91	Styrene	104	11.362	11.362	(1.047)	400295	10.0000	9.41070
92	Bromoform	173	11.579	11.579	(1.067)	115174	10.0000	9.64623
93	isopropyl benzene	105	11.658	11.658	(0.903)	615867	10.0000	9.63359
95	Cyclohexanone	55	11.796	11.796	(1.087)	361703	400.000	366.516
97	1,1,2,2-Tetrachloroethane	83	11.875	11.875	(0.920)	192755	10.0000	9.53102
99	1,2,3-Trichloropropane	110	11.954	11.954	(0.926)	53638	10.0000	9.59291
100	Bromobenzene	156	12.013	12.013	(0.930)	167588	10.0000	9.78738
101	n-Propylbenzene	120	12.023	12.023	(0.931)	160302	10.0000	9.66992
102	1,3,5-Trimethylbenzene	105	12.151	12.151	(0.941)	498098	10.0000	9.72154
103	2-Chlorotoluene	126	12.151	12.151	(0.941)	153229	10.0000	9.70946
104	4-Chlorotoluene	126	12.240	12.240	(0.948)	152264	10.0000	9.62694
105	tert-Butylbenzene	119	12.477	12.477	(0.966)	469065	10.0000	9.54546
106	1,2,4-Trimethylbenzene	105	12.516	12.516	(0.969)	516671	10.0000	9.86718
107	sec-Butylbenzene	105	12.684	12.684	(0.982)	681087	10.0000	9.70348
108	4-Isopropyltoluene	119	12.792	12.792	(0.991)	517393	10.0000	9.56391

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 1,3-Dichlorobenzene	146	12.852	12.852	(0.995)	295612	10.0000	9.79270
111 1,4-dichlorobenzene	146	12.930	12.930	(1.002)	306630	10.0000	9.91198
113 n-Butylbenzene	91	13.197	13.197	(1.022)	529109	10.0000	9.80098
114 1,2-Dichlorobenzene	146	13.325	13.325	(1.032)	280207	10.0000	9.94753
115 1,2-Dibromo-3-chloropropane	157	14.144	14.144	(1.095)	34719	10.0000	9.49295(a)
116 1,2,4-Trichlorobenzene	180	15.179	15.179	(1.176)	162853	10.0000	10.1330
117 Hexachlorobutadiene	225	15.357	15.357	(1.189)	90110	10.0000	9.95509
118 Naphthalene	128	15.564	15.564	(1.206)	364590	10.0000	9.90097
119 1,2,3-Trichlorobenzene	180	15.909	15.909	(1.232)	136967	10.0000	10.3689

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: G5465.D

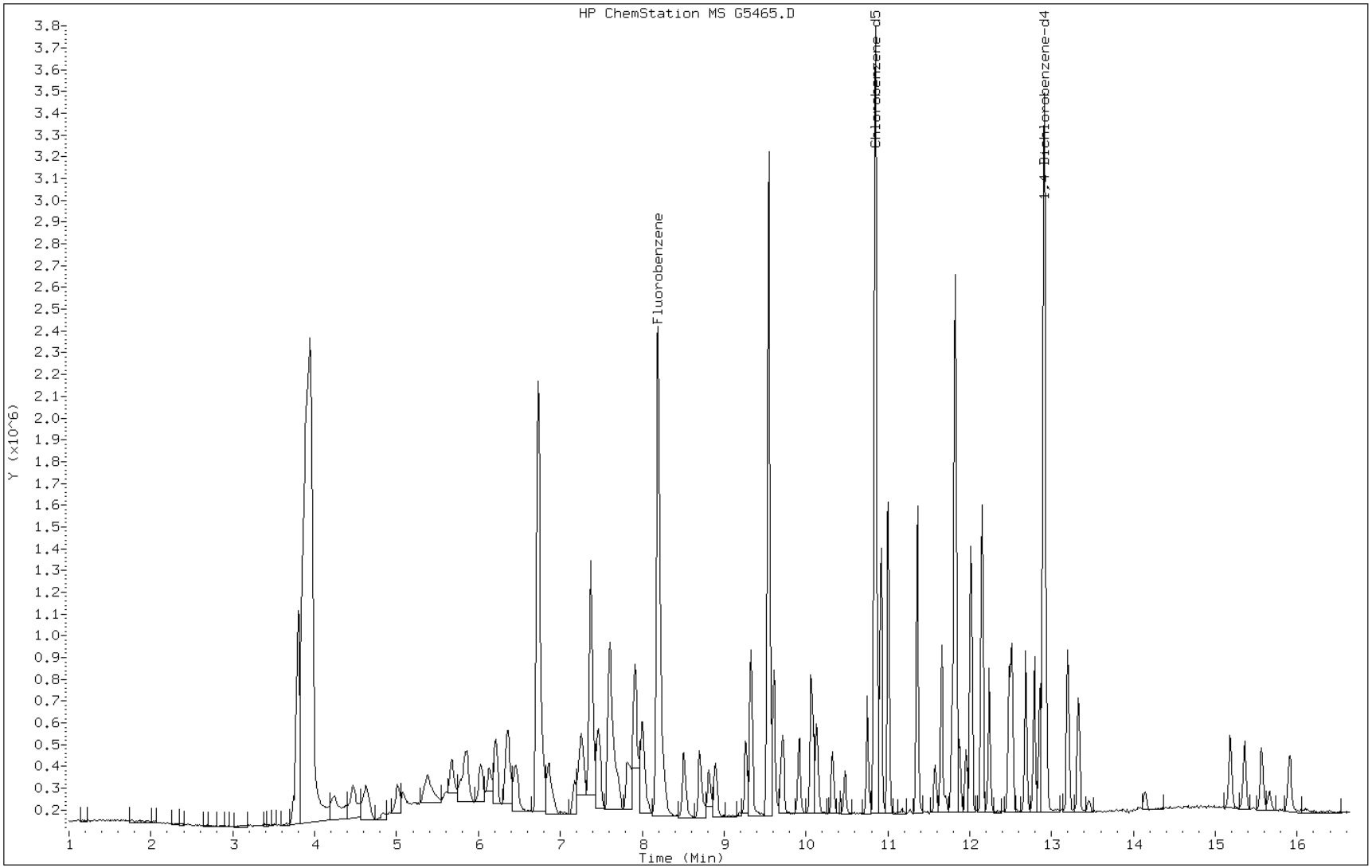
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Client ID:

Instrument: G.i

Sample Info: IC,,M010

Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

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Operator : REINHARDT Inst ID: G.i
Smp Info : IC,,M020
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Meth Date : 27-Mar-2012 09:03 G.i Quant Type: ISTD
Cal Date : 26-MAR-2012 13:56 Cal File: G5476.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59	Fluorobenzene	96	8.195	8.195	(1.000)	3439155	50.0000	
* 85	Chlorobenzene-d5	119	10.849	10.849	(1.000)	762024	50.0000	
* 110	1,4-Dichlorobenzene-d4	152	12.910	12.910	(1.000)	1015957	50.0000	
M 1	1,3-Dichloropropene (total)	100				898123	40.0000	36.8698
M 2	Trihalomethanes (total)	100				1535403	80.0000	75.1617
M 3	1,2-Dichloroethene (total)	96				701086	40.0000	37.1971
M 4	Xylene (total)	106				1384617	60.0000	53.6881
5	dichlorodifluoromethane	85	4.240	4.240	(0.517)	277579	20.0000	16.2724
7	Chloromethane	50	4.477	4.477	(0.546)	350806	20.0000	18.1592
8	Vinyl Chloride	62	4.625	4.625	(0.564)	351924	20.0000	18.8163
10	Bromomethane	94	5.019	5.019	(0.612)	233653	20.0000	17.2034
11	Chloroethane	64	5.088	5.088	(0.621)	176528	20.0000	17.5793
13	Trichlorofluoromethane	101	5.365	5.365	(0.655)	425806	20.0000	19.0014
14	Ethanol	45	5.355	5.355	(0.653)	187414	1000.00	980.220
18	Acrolein	56	5.680	5.680	(0.693)	709928	200.000	196.666
20	Acetone	43	5.779	5.779	(0.705)	524706	80.0000	73.2566
22	1,1-Dichloroethene	96	5.858	5.858	(0.715)	383646	20.0000	18.7532
23	Iodomethane	142	6.035	6.035	(0.736)	521549	20.0000	19.1066
24	Acetonitrile	41	6.025	6.025	(0.735)	317624	200.000	178.010
28	tert-Butyl alcohol	59	6.134	6.134	(0.748)	838124	400.000	378.263
29	Methylene Chloride	84	6.213	6.213	(0.758)	395424	20.0000	18.9922
30	Acrylonitrile	53	6.361	6.361	(0.776)	1310025	200.000	192.518

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32	trans-1,2-Dichloroethene	96	6.459	6.459	(0.788)	339844	20.0000	18.5810
35	Isopropyl ether	87	6.736	6.736	(0.822)	1181058	100.000	97.0109
36	1,1-Dichloroethane	63	6.795	6.795	(0.829)	554498	20.0000	18.8001
37	Chloroprene	53	6.864	6.864	(0.838)	336438	20.0000	18.1676
40	2-Butanone	43	7.179	7.179	(0.876)	796444	80.0000	77.5634
41	cis-1,2-Dichloroethene	96	7.248	7.248	(0.884)	361242	20.0000	18.6162
43	Propionitrile	54	7.239	7.239	(0.883)	463315	200.000	187.198
44	2,2-Dichloropropane	77	7.278	7.278	(0.888)	254311	20.0000	18.3662
45	Methacrylonitrile	41	7.377	7.377	(0.900)	2134213	200.000	195.360
46	Bromochloromethane	128	7.466	7.466	(0.911)	196470	20.0000	19.1674
47	Chloroform	83	7.466	7.466	(0.911)	553754	20.0000	18.8667
51	1,1,1-Trichloroethane	97	7.702	7.702	(0.940)	272198	20.0000	18.3011
50	Isobutanol	41	7.663	7.663	(0.935)	239703	400.000	379.520
53	1,1-Dichloropropene	75	7.821	7.821	(0.954)	395205	20.0000	18.0668
54	Carbon Tetrachloride	117	7.860	7.860	(0.959)	277788	20.0000	17.4700
56	1,2-Dichloroethane	62	7.978	7.978	(0.974)	372909	20.0000	19.4810
58	Benzene	78	8.008	8.008	(0.977)	1134306	20.0000	18.9436
60	n-Butanol	56	8.205	8.205	(1.001)	340081	600.000	552.554
61	Trichloroethene	95	8.511	8.511	(1.039)	310058	20.0000	18.4981
65	1,2-Dichloropropane	63	8.698	8.698	(1.061)	297051	20.0000	18.6531
66	1,4-Dioxane	88	8.758	8.758	(1.069)	198424	1000.00	933.352
67	Dibromomethane	93	8.817	8.817	(1.076)	237677	20.0000	19.2848
68	Bromodichloromethane	83	8.896	8.896	(1.085)	415195	20.0000	18.9407
71	cis-1,3-Dichloropropene	75	9.271	9.271	(1.131)	483636	20.0000	18.7689
72	4-Methyl-2-pentanone	43	9.330	9.330	(1.138)	1426615	80.0000	77.4871
74	Toluene	91	9.606	9.606	(1.172)	1095297	20.0000	18.0522
76	trans-1,3-Dichloropropene	75	9.714	9.714	(1.185)	414487	20.0000	18.1009
77	1,1,2-Trichloroethane	97	9.922	9.922	(1.211)	261625	20.0000	18.8565
78	2-Hexanone	43	10.060	10.060	(0.927)	1039239	80.0000	76.4411
79	1,3-Dichloropropane	76	10.089	10.089	(0.930)	448079	20.0000	18.9019
80	Tetrachloroethene	164	10.139	10.139	(0.935)	213055	20.0000	17.8885
81	Dibromochloromethane	129	10.326	10.326	(0.952)	345185	20.0000	18.6274
83	1,2-Dibromoethane	107	10.474	10.474	(0.965)	318467	20.0000	18.6797
84	1-Chlorohexane	91	10.750	10.750	(0.991)	427409	20.0000	17.7718
86	Chlorobenzene	112	10.868	10.868	(1.002)	751631	20.0000	18.4055
87	1,1,1,2-Tetrachloroethane	131	10.918	10.918	(1.006)	276840	20.0000	18.4795
88	Ethylbenzene	106	10.918	10.918	(1.006)	368212	20.0000	18.0370
89	m and p-Xylene	106	11.007	11.007	(1.015)	922012	40.0000	35.5307
90	o-Xylene	106	11.362	11.362	(1.047)	462605	20.0000	18.1574
91	Styrene	104	11.362	11.362	(1.047)	768543	20.0000	18.2579
92	Bromoform	173	11.579	11.579	(1.067)	221269	20.0000	18.7268
93	isopropyl benzene	105	11.658	11.658	(0.903)	1115618	20.0000	18.0233
95	Cyclohexanone	55	11.796	11.796	(1.087)	732560	800.000	750.109
97	1,1,2,2-Tetrachloroethane	83	11.875	11.875	(0.920)	374266	20.0000	19.1131
99	1,2,3-Trichloropropane	110	11.963	11.963	(0.927)	102059	20.0000	18.8515
100	Bromobenzene	156	12.013	12.013	(0.930)	304004	20.0000	18.3366
101	n-Propylbenzene	120	12.022	12.022	(0.931)	284336	20.0000	17.7147
102	1,3,5-Trimethylbenzene	105	12.151	12.151	(0.941)	895738	20.0000	18.0559
103	2-Chlorotoluene	126	12.151	12.151	(0.941)	277136	20.0000	18.1370
104	4-Chlorotoluene	126	12.239	12.239	(0.948)	271966	20.0000	17.7592
105	tert-Butylbenzene	119	12.486	12.486	(0.967)	857816	20.0000	18.0292
106	1,2,4-Trimethylbenzene	105	12.516	12.516	(0.969)	908718	20.0000	17.9236
107	sec-Butylbenzene	105	12.683	12.683	(0.982)	1207299	20.0000	17.7647
108	4-Isopropyltoluene	119	12.792	12.792	(0.991)	907475	20.0000	17.3248

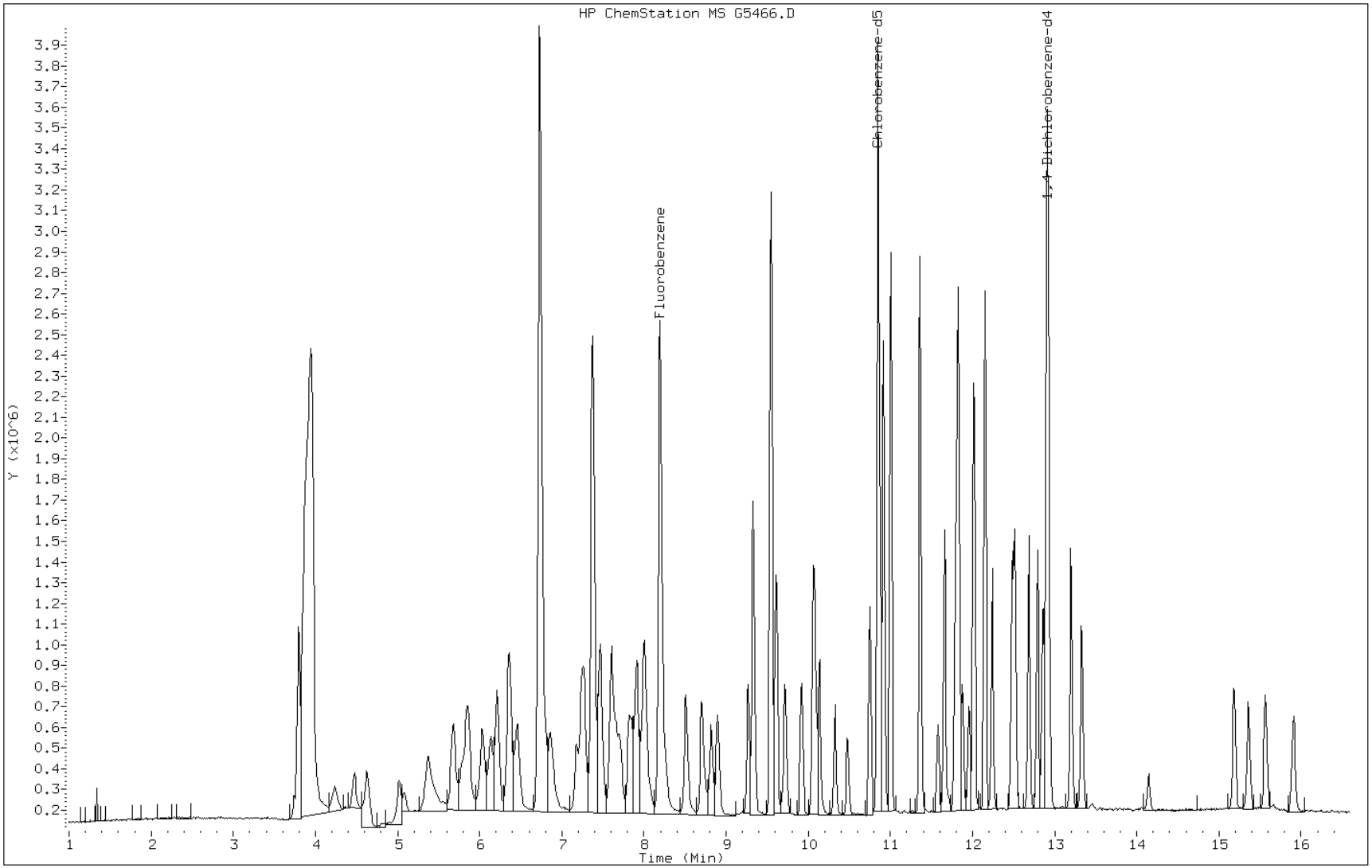
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
109 1,3-Dichlorobenzene	146	12.861	12.861	(0.996)	538368	20.0000	18.4194
111 1,4-dichlorobenzene	146	12.930	12.930	(1.002)	531114	20.0000	17.7317
113 n-Butylbenzene	91	13.196	13.196	(1.022)	913238	20.0000	17.4713
114 1,2-Dichlorobenzene	146	13.334	13.334	(1.033)	500546	20.0000	18.3526
115 1,2-Dibromo-3-chloropropane	157	14.143	14.143	(1.095)	68278	20.0000	19.2811
116 1,2,4-Trichlorobenzene	180	15.179	15.179	(1.176)	287165	20.0000	18.4539
117 Hexachlorobutadiene	225	15.356	15.356	(1.189)	151797	20.0000	17.3202
118 Naphthalene	128	15.564	15.564	(1.206)	690041	20.0000	19.3538
119 1,2,3-Trichlorobenzene	180	15.909	15.909	(1.232)	243623	20.0000	19.0482

Data File: G5466.D

Date: 26-MAR-2012 08:47

Client ID: Instrument: G.i

Sample Info: IC,,M020 Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5467.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 09:09
Operator : REINHARDT Inst ID: G.i
Smp Info : IC,,M050
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\032612.B\8260B-soil.m
Meth Date : 27-Mar-2012 09:03 G.i Quant Type: ISTD
Cal Date : 26-MAR-2012 14:17 Cal File: G5477.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59	Fluorobenzene	96	8.194	8.194	(1.000)	3340106	50.0000	
* 85	Chlorobenzene-d5	119	10.848	10.848	(1.000)	717556	50.0000	
* 110	1,4-Dichlorobenzene-d4	152	12.909	12.909	(1.000)	1011437	50.0000	
M 1	1,3-Dichloropropene (total)	100				2447622	100.000	103.534
M 2	Trihalomethanes (total)	100				4127829	200.000	211.654
M 3	1,2-Dichloroethene (total)	96				1908309	100.000	104.240
M 4	Xylene (total)	106				4097179	150.000	168.686
5	dichlorodifluoromethane	85	4.239	4.239	(0.517)	970100	50.0000	53.6772
7	Chloromethane	50	4.486	4.486	(0.547)	1007013	50.0000	53.6732
8	Vinyl Chloride	62	4.634	4.634	(0.565)	998330	50.0000	54.9605
10	Bromomethane	94	5.028	5.028	(0.614)	738996	50.0000	56.0243
11	Chloroethane	64	5.087	5.087	(0.621)	541183	50.0000	55.4910
13	Trichlorofluoromethane	101	5.373	5.373	(0.656)	1210566	50.0000	55.6230
14	Ethanol	45	5.354	5.354	(0.653)	482276	2500.00	2444.85
18	Acrolein	56	5.679	5.679	(0.693)	1899027	500.000	541.675
20	Acetone	43	5.788	5.788	(0.706)	1379433	200.000	198.300
22	1,1-Dichloroethene	96	5.857	5.857	(0.715)	1036277	50.0000	52.1571
23	Iodomethane	142	6.034	6.034	(0.736)	1439589	50.0000	54.3024
24	Acetonitrile	41	6.034	6.034	(0.736)	964417	500.000	556.530(Q)
28	tert-Butyl alcohol	59	6.133	6.133	(0.748)	2201341	1000.00	1022.97
29	Methylene Chloride	84	6.222	6.222	(0.759)	1029940	50.0000	50.9349
30	Acrylonitrile	53	6.360	6.360	(0.776)	3454574	500.000	522.729

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
32 trans-1,2-Dichloroethene	96	6.458	6.458	(0.788)	921645	50.0000	51.8852
35 Isopropyl ether	87	6.735	6.735	(0.822)	3189345	250.000	269.738
36 1,1-Dichloroethane	63	6.794	6.794	(0.829)	1520027	50.0000	53.0644
37 Chloroprene	53	6.863	6.863	(0.838)	987869	50.0000	54.9268
40 2-Butanone	43	7.179	7.179	(0.876)	2001296	200.000	200.680
41 cis-1,2-Dichloroethene	96	7.257	7.257	(0.886)	986664	50.0000	52.3543
43 Propionitrile	54	7.238	7.238	(0.883)	1241785	500.000	516.609
44 2,2-Dichloropropane	77	7.277	7.277	(0.888)	722993	50.0000	53.7626
45 Methacrylonitrile	41	7.376	7.376	(0.900)	5667492	500.000	534.170
46 Bromochloromethane	128	7.465	7.465	(0.911)	521106	50.0000	52.3463
47 Chloroform	83	7.474	7.474	(0.912)	1490547	50.0000	52.2898
51 1,1,1-Trichloroethane	97	7.711	7.711	(0.941)	771755	50.0000	53.4273
50 Isobutanol	41	7.662	7.662	(0.935)	639621	1000.00	1042.74
53 1,1-Dichloropropene	75	7.820	7.820	(0.954)	1142337	50.0000	53.7707
54 Carbon Tetrachloride	117	7.869	7.869	(0.960)	856477	50.0000	49.8390
56 1,2-Dichloroethane	62	7.977	7.977	(0.974)	969327	50.0000	52.1400
58 Benzene	78	8.007	8.007	(0.977)	3116171	50.0000	53.5853
60 n-Butanol	56	8.204	8.204	(1.001)	901452	1500.00	1508.09
61 Trichloroethene	95	8.510	8.510	(1.039)	848703	50.0000	52.1352
65 1,2-Dichloropropane	63	8.707	8.707	(1.063)	810075	50.0000	52.3764
66 1,4-Dioxane	88	8.757	8.757	(1.069)	538818	2500.00	2609.67
67 Dibromomethane	93	8.816	8.816	(1.076)	616148	50.0000	51.4761
68 Bromodichloromethane	83	8.895	8.895	(1.085)	1098103	50.0000	51.5797
71 cis-1,3-Dichloropropene	75	9.270	9.270	(1.131)	1303203	50.0000	52.0743
72 4-Methyl-2-pentanone	43	9.329	9.329	(1.138)	3708910	200.000	207.424
74 Toluene	91	9.615	9.615	(1.173)	3163062	50.0000	53.6783
76 trans-1,3-Dichloropropene	75	9.723	9.723	(1.187)	1144419	50.0000	51.4594
77 1,1,2-Trichloroethane	97	9.921	9.921	(1.211)	690733	50.0000	51.2606
78 2-Hexanone	43	10.059	10.059	(0.927)	2733795	200.000	213.545
79 1,3-Dichloropropane	76	10.088	10.088	(0.930)	1174152	50.0000	52.6002
80 Tetrachloroethene	164	10.138	10.138	(0.935)	615119	50.0000	54.8472
81 Dibromochloromethane	129	10.325	10.325	(0.952)	938102	50.0000	53.7607
83 1,2-Dibromoethane	107	10.483	10.483	(0.966)	848355	50.0000	52.8440
84 1-Chlorohexane	91	10.749	10.749	(0.991)	1261009	50.0000	55.6826
86 Chlorobenzene	112	10.877	10.877	(1.003)	2153493	50.0000	56.0015
87 1,1,1,2-Tetrachloroethane	131	10.917	10.917	(1.006)	755877	50.0000	53.5827
88 Ethylbenzene	106	10.927	10.927	(1.007)	1049121	50.0000	54.5763
89 m and p-Xylene	106	11.006	11.006	(1.015)	2762361	100.000	113.047
90 o-Xylene	106	11.361	11.361	(1.047)	1334818	50.0000	55.6389
91 Styrene	104	11.361	11.361	(1.047)	2252720	50.0000	56.8332
92 Bromoform	173	11.578	11.578	(1.067)	601077	50.0000	54.0239
93 isopropyl benzene	105	11.657	11.657	(0.903)	3419593	50.0000	55.4919
95 Cyclohexanone	55	11.795	11.795	(1.087)	1986236	2000.00	2159.86
97 1,1,2,2-Tetrachloroethane	83	11.883	11.883	(0.921)	1023012	50.0000	52.4769
99 1,2,3-Trichloropropane	110	11.962	11.962	(0.927)	282600	50.0000	52.4329
100 Bromobenzene	156	12.012	12.012	(0.930)	885477	50.0000	53.6481
101 n-Propylbenzene	120	12.022	12.022	(0.931)	888806	50.0000	55.6217
102 1,3,5-Trimethylbenzene	105	12.150	12.150	(0.941)	2747920	50.0000	55.6388
103 2-Chlorotoluene	126	12.160	12.160	(0.942)	838726	50.0000	55.1351
104 4-Chlorotoluene	126	12.239	12.239	(0.948)	824889	50.0000	54.1054
105 tert-Butylbenzene	119	12.485	12.485	(0.967)	2601731	50.0000	54.9263
106 1,2,4-Trimethylbenzene	105	12.515	12.515	(0.969)	2765916	50.0000	54.7989
107 sec-Butylbenzene	105	12.682	12.682	(0.982)	3825618	50.0000	56.5432
108 4-Isopropyltoluene	119	12.791	12.791	(0.991)	2959446	50.0000	56.7517

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 1,3-Dichlorobenzene	146	12.860	12.860	(0.996)	1569952	50.0000	53.9536
111 1,4-dichlorobenzene	146	12.939	12.939	(1.002)	1587584	50.0000	53.2398
113 n-Butylbenzene	91	13.195	13.195	(1.022)	2902114	50.0000	55.7690
114 1,2-Dichlorobenzene	146	13.333	13.333	(1.033)	1455665	50.0000	53.6107
115 1,2-Dibromo-3-chloropropane	157	14.152	14.152	(1.096)	189606	50.0000	53.7824
116 1,2,4-Trichlorobenzene	180	15.188	15.188	(1.176)	857998	50.0000	55.3835
117 Hexachlorobutadiene	225	15.365	15.365	(1.190)	496545	50.0000	56.9095
118 Naphthalene	128	15.572	15.572	(1.206)	1969184	50.0000	55.4770
119 1,2,3-Trichlorobenzene	180	15.908	15.908	(1.232)	707484	50.0000	55.5634

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: G5467.D

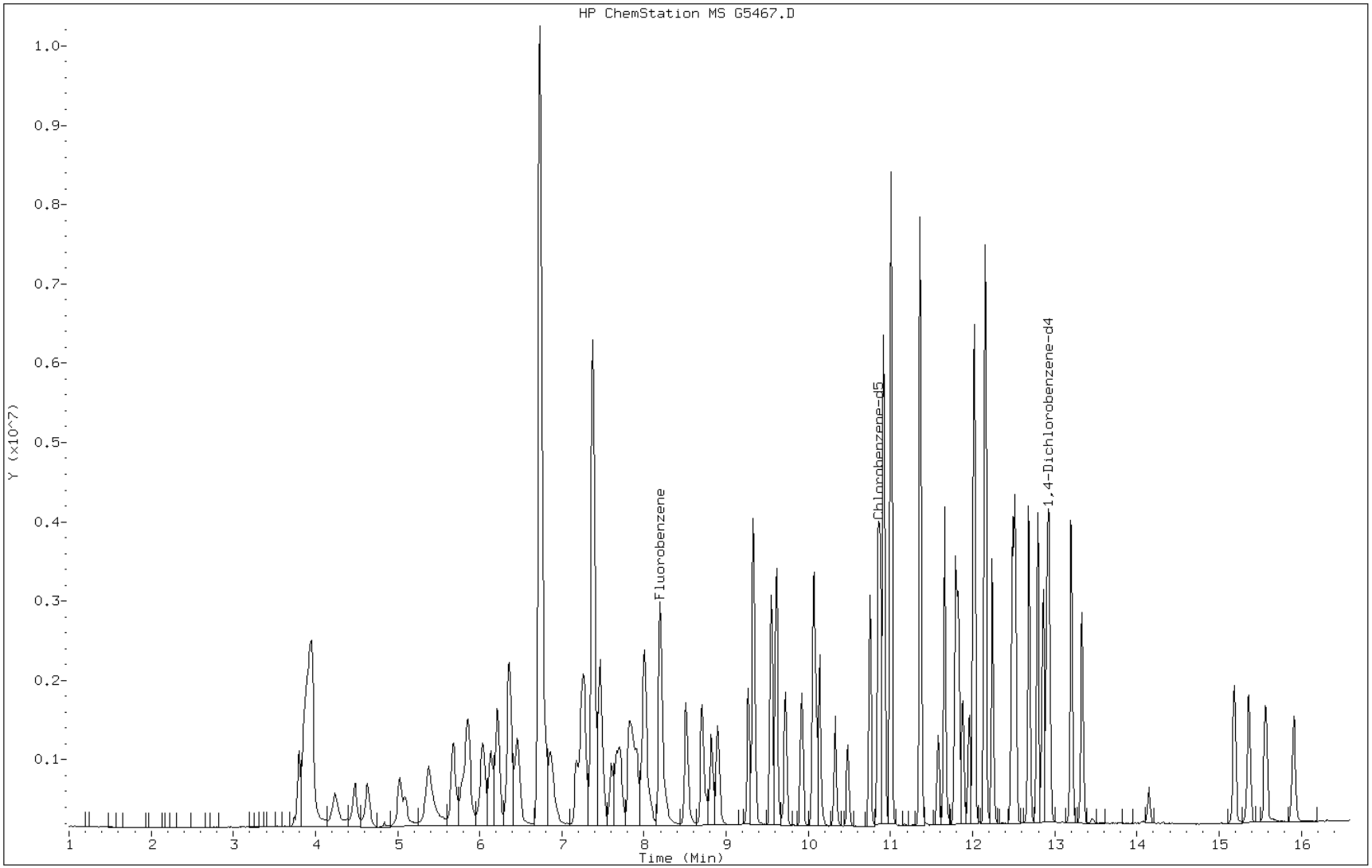
Date: 26-MAR-2012 09:09

Client ID:

Instrument: G.i

Sample Info: IC,,M050

Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5468.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 09:31
Operator : REINHARDT Inst ID: G.i
Smp Info : IC,,M100
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\032612.B\8260B-soil.m
Meth Date : 27-Mar-2012 09:04 G.i Quant Type: ISTD
Cal Date : 26-MAR-2012 14:38 Cal File: G5478.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59	Fluorobenzene	96	8.191	8.191	(1.000)	3437844	50.0000	
* 85	Chlorobenzene-d5	119	10.854	10.854	(1.000)	765783	50.0000	
* 110	1,4-Dichlorobenzene-d4	152	12.906	12.906	(1.000)	1044125	50.0000	
M 1	1,3-Dichloropropene (total)	100				4784466	200.000	196.663
M 2	Trihalomethanes (total)	100				8135105	400.000	399.456
M 3	1,2-Dichloroethene (total)	96				3724439	200.000	197.668
M 4	Xylene (total)	106				7735601	300.000	298.439
5	dichlorodifluoromethane	85	4.236	4.236	(0.517)	1871185	100.000	98.9510
7	Chloromethane	50	4.482	4.482	(0.547)	1873062	100.000	96.9948
8	Vinyl Chloride	62	4.630	4.630	(0.565)	1886037	100.000	100.879
10	Bromomethane	94	5.025	5.025	(0.613)	1197997	100.000	88.2398
11	Chloroethane	64	5.094	5.094	(0.622)	865053	100.000	86.1778
13	Trichlorofluoromethane	101	5.380	5.380	(0.657)	2264472	100.000	101.090
14	Ethanol	45	5.350	5.350	(0.653)	1044358	5000.00	5041.79
18	Acrolein	56	5.676	5.676	(0.693)	3976317	1000.00	1101.95
20	Acetone	43	5.784	5.784	(0.706)	2933281	400.000	409.685
22	1,1-Dichloroethene	96	5.863	5.863	(0.716)	1977292	100.000	96.6901
23	Iodomethane	142	6.041	6.041	(0.738)	2804273	100.000	102.772
24	Acetonitrile	41	6.031	6.031	(0.736)	1709121	1000.00	958.232
28	tert-Butyl alcohol	59	6.139	6.139	(0.750)	4849989	2000.00	2189.74
29	Methylene Chloride	84	6.218	6.218	(0.759)	1947870	100.000	93.5918
30	Acrylonitrile	53	6.356	6.356	(0.776)	7421811	1000.00	1091.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32	trans-1,2-Dichloroethene	96	6.465	6.465	(0.789)	1801357	100.000	98.5267
35	Isopropyl ether	87	6.731	6.731	(0.822)	6215351	500.000	510.717(Q)
36	1,1-Dichloroethane	63	6.800	6.800	(0.830)	3001379	100.000	101.800
37	Chloroprene	53	6.869	6.869	(0.839)	2004386	100.000	108.278
40	2-Butanone	43	7.175	7.175	(0.876)	4330572	400.000	421.903
41	cis-1,2-Dichloroethene	96	7.254	7.254	(0.886)	1923082	100.000	99.1414
43	Propionitrile	54	7.234	7.234	(0.883)	2712338	1000.00	1096.31
44	2,2-Dichloropropane	77	7.284	7.284	(0.889)	1375498	100.000	99.3757
45	Methacrylonitrile	41	7.372	7.372	(0.900)	12010153	1000.00	1099.79
46	Bromochloromethane	128	7.461	7.461	(0.911)	1042324	100.000	101.727
47	Chloroform	83	7.471	7.471	(0.912)	2920231	100.000	99.5320
51	1,1,1-Trichloroethane	97	7.708	7.708	(0.941)	1473754	100.000	99.1248
50	Isobutanol	41	7.668	7.668	(0.936)	1389428	2000.00	2200.71
53	1,1-Dichloropropene	75	7.826	7.826	(0.955)	2181977	100.000	99.7874
54	Carbon Tetrachloride	117	7.866	7.866	(0.960)	1731190	100.000	95.3834
56	1,2-Dichloroethane	62	7.974	7.974	(0.974)	1891874	100.000	98.8706
58	Benzene	78	8.014	8.014	(0.978)	6027055	100.000	100.694
60	n-Butanol	56	8.201	8.201	(1.001)	2007974	3000.00	3263.74
61	Trichloroethene	95	8.507	8.507	(1.039)	1637757	100.000	97.7460
65	1,2-Dichloropropane	63	8.704	8.704	(1.063)	1584056	100.000	99.5074
66	1,4-Dioxane	88	8.763	8.763	(1.070)	1179980	5000.00	5552.54
67	Dibromomethane	93	8.822	8.822	(1.077)	1223015	100.000	99.2719
68	Bromodichloromethane	83	8.901	8.901	(1.087)	2154533	100.000	98.3248
71	cis-1,3-Dichloropropene	75	9.266	9.266	(1.131)	2540254	100.000	98.6195
72	4-Methyl-2-pentanone	43	9.335	9.335	(1.140)	7783415	400.000	422.920
74	Toluene	91	9.611	9.611	(1.173)	6003551	100.000	98.9859
76	trans-1,3-Dichloropropene	75	9.720	9.720	(1.187)	2244212	100.000	98.0433
77	1,1,2-Trichloroethane	97	9.917	9.917	(1.211)	1411183	100.000	101.749
78	2-Hexanone	43	10.065	10.065	(0.927)	5865812	400.000	429.341
79	1,3-Dichloropropane	76	10.095	10.095	(0.930)	2363045	100.000	99.1940
80	Tetrachloroethene	164	10.134	10.134	(0.934)	1169425	100.000	97.7052
81	Dibromochloromethane	129	10.331	10.331	(0.952)	1839400	100.000	98.7736
83	1,2-Dibromoethane	107	10.479	10.479	(0.965)	1742763	100.000	101.720
84	1-Chlorohexane	91	10.756	10.756	(0.991)	2392318	100.000	98.9852
86	Chlorobenzene	112	10.874	10.874	(1.002)	4104399	100.000	100.013
87	1,1,1,2-Tetrachloroethane	131	10.913	10.913	(1.005)	1488142	100.000	98.8481
88	Ethylbenzene	106	10.923	10.923	(1.006)	2065470	100.000	100.681
89	m and p-Xylene	106	11.002	11.002	(1.014)	5199760	200.000	199.395
90	o-Xylene	106	11.367	11.367	(1.047)	2535841	100.000	99.0440
91	Styrene	104	11.357	11.357	(1.046)	4380641	100.000	103.558
92	Bromoform	173	11.584	11.584	(1.067)	1220941	100.000	102.825
93	isopropyl benzene	105	11.663	11.663	(0.904)	6407782	100.000	100.728
95	Cyclohexanone	55	11.791	11.791	(1.086)	4238544	4000.00	4318.78
97	1,1,2,2-Tetrachloroethane	83	11.880	11.880	(0.921)	2045672	100.000	101.651
99	1,2,3-Trichloropropane	110	11.959	11.959	(0.927)	576496	100.000	103.613
100	Bromobenzene	156	12.018	12.018	(0.931)	1707736	100.000	100.227
101	n-Propylbenzene	120	12.018	12.018	(0.931)	1668273	100.000	101.132
102	1,3,5-Trimethylbenzene	105	12.156	12.156	(0.942)	5171641	100.000	101.435
103	2-Chlorotoluene	126	12.156	12.156	(0.942)	1572180	100.000	100.114
104	4-Chlorotoluene	126	12.245	12.245	(0.949)	1566415	100.000	99.5264
105	tert-Butylbenzene	119	12.482	12.482	(0.967)	4993185	100.000	102.113
106	1,2,4-Trimethylbenzene	105	12.521	12.521	(0.970)	5307768	100.000	101.866
107	sec-Butylbenzene	105	12.689	12.689	(0.983)	7098787	100.000	101.636
108	4-Isopropyltoluene	119	12.797	12.797	(0.992)	5596988	100.000	103.970

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 1,3-Dichlorobenzene	146	12.857	12.857	(0.996)	2972139	100.000	98.9440
111 1,4-dichlorobenzene	146	12.935	12.935	(1.002)	3016921	100.000	98.0054
113 n-Butylbenzene	91	13.202	13.202	(1.023)	5338761	100.000	99.3813
114 1,2-Dichlorobenzene	146	13.330	13.330	(1.033)	2773951	100.000	98.9636
115 1,2-Dibromo-3-chloropropane	157	14.149	14.149	(1.096)	400193	100.000	109.962
116 1,2,4-Trichlorobenzene	180	15.184	15.184	(1.177)	1557514	100.000	97.3896
117 Hexachlorobutadiene	225	15.362	15.362	(1.190)	868288	100.000	96.3998
118 Naphthalene	128	15.569	15.569	(1.206)	3953469	100.000	107.892
119 1,2,3-Trichlorobenzene	180	15.914	15.914	(1.233)	1329621	100.000	101.155

QC Flag Legend

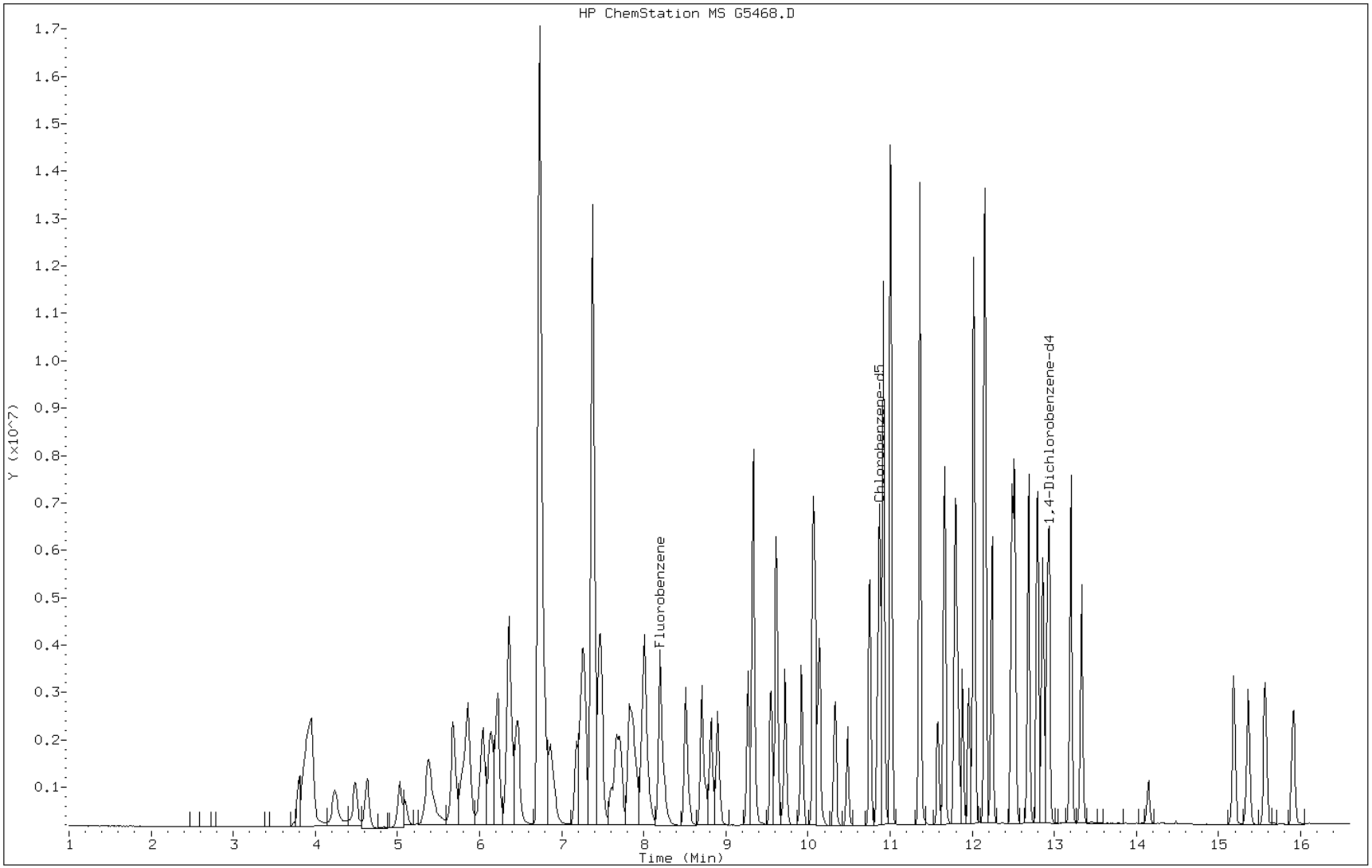
Q - Qualifier signal failed the ratio test.

Data File: G5468.D

Date: 26-MAR-2012 09:31

Client ID: Instrument: G.i

Sample Info: IC,,M100 Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5469.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 09:52
Operator : REINHARDT Inst ID: G.i
Smp Info : IC,,M200
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\032612.B\8260B-soil.m
Meth Date : 27-Mar-2012 09:04 G.i Quant Type: ISTD
Cal Date : 26-MAR-2012 15:00 Cal File: G5479.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59	Fluorobenzene	96	8.195	8.195	(1.000)	3500605	50.0000	
* 85	Chlorobenzene-d5	119	10.848	10.848	(1.000)	747896	50.0000	
* 110	1,4-Dichlorobenzene-d4	152	12.909	12.909	(1.000)	1057639	50.0000	(Q)
M 1	1,3-Dichloropropene (total)	100				9882020	400.000	398.799
M 2	Trihalomethanes (total)	100				16964783	800.000	832.151
M 3	1,2-Dichloroethene (total)	96				7871587	400.000	410.296
M 4	Xylene (total)	106				16261866	600.000	642.381
5	dichlorodifluoromethane	85	4.239	4.239	(0.517)	3881451	200.000	199.630
7	Chloromethane	50	4.486	4.486	(0.547)	4086610	200.000	207.827(A)
8	Vinyl Chloride	62	4.634	4.634	(0.566)	4012246	200.000	210.757(A)
10	Bromomethane	94	5.028	5.028	(0.614)	1919270	200.000	138.831
11	Chloroethane	64	5.097	5.097	(0.622)	1457841	200.000	142.628
13	Trichlorofluoromethane	101	5.374	5.374	(0.656)	4564701	200.000	200.122(A)
14	Ethanol	45	5.354	5.354	(0.653)	1960448	10000.0	9216.75
18	Acrolein	56	5.679	5.679	(0.693)	6822290	2000.00	1856.76
20	Acetone	43	5.778	5.778	(0.705)	5875755	800.000	805.940(A)
22	1,1-Dichloroethene	96	5.857	5.857	(0.715)	4067059	200.000	195.315
23	Iodomethane	142	6.044	6.044	(0.738)	5870505	200.000	211.287(A)
24	Acetonitrile	41	6.025	6.025	(0.735)	4045010	2000.00	2227.21(AQ)
28	tert-Butyl alcohol	59	6.133	6.133	(0.748)	9817071	4000.00	4352.88(A)
29	Methylene Chloride	84	6.222	6.222	(0.759)	4048621	200.000	191.042
30	Acrylonitrile	53	6.360	6.360	(0.776)	15037949	2000.00	2171.14(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32 trans-1,2-Dichloroethene	96	6.459	6.459	(0.788)	3812179	200.000	204.772(A)
35 Isopropyl ether	87	6.735	6.735	(0.822)	12748417	1000.00	1028.76(AQ)
36 1,1-Dichloroethane	63	6.804	6.804	(0.830)	6536200	200.000	217.718(A)
37 Chloroprene	53	6.873	6.873	(0.839)	4502085	200.000	238.845(A)
40 2-Butanone	43	7.179	7.179	(0.876)	8917687	800.000	853.223(A)
41 cis-1,2-Dichloroethene	96	7.258	7.258	(0.886)	4059408	200.000	205.524(A)
43 Propionitrile	54	7.238	7.238	(0.883)	5582382	2000.00	2215.91(A)
44 2,2-Dichloropropane	77	7.277	7.277	(0.888)	2852120	200.000	202.363(A)
45 Methacrylonitrile	41	7.376	7.376	(0.900)	22979901	2000.00	2066.59(A)
46 Bromochloromethane	128	7.465	7.465	(0.911)	2157769	200.000	206.815(A)
47 Chloroform	83	7.475	7.475	(0.912)	6161069	200.000	206.226(A)
51 1,1,1-Trichloroethane	97	7.711	7.711	(0.941)	3345272	200.000	220.969(A)
50 Isobutanol	41	7.662	7.662	(0.935)	2940492	4000.00	4573.93(A)
53 1,1-Dichloropropene	75	7.820	7.820	(0.954)	4702036	200.000	211.181(A)
54 Carbon Tetrachloride	117	7.869	7.869	(0.960)	3861809	200.000	205.881(A)
56 1,2-Dichloroethane	62	7.978	7.978	(0.974)	3870236	200.000	198.635
58 Benzene	78	8.007	8.007	(0.977)	12921873	200.000	212.015(A)
60 n-Butanol	56	8.205	8.205	(1.001)	4051566	6000.00	6467.32(A)
61 Trichloroethene	95	8.510	8.510	(1.039)	3520470	200.000	206.345(A)
65 1,2-Dichloropropane	63	8.708	8.708	(1.063)	3330238	200.000	205.448(A)
66 1,4-Dioxane	88	8.757	8.757	(1.069)	2374582	10000.0	10973.6(A)
67 Dibromomethane	93	8.816	8.816	(1.076)	2451875	200.000	195.450
68 Bromodichloromethane	83	8.895	8.895	(1.085)	4453030	200.000	199.576
71 cis-1,3-Dichloropropene	75	9.270	9.270	(1.131)	5270416	200.000	200.943(A)
72 4-Methyl-2-pentanone	43	9.329	9.329	(1.138)	15459824	800.000	824.965(A)
74 Toluene	91	9.615	9.615	(1.173)	12815309	200.000	207.509(A)
76 trans-1,3-Dichloropropene	75	9.724	9.724	(1.187)	4611604	200.000	197.856
77 1,1,2-Trichloroethane	97	9.921	9.921	(1.211)	2838412	200.000	200.986(A)
78 2-Hexanone	43	10.059	10.059	(0.927)	11659950	800.000	873.847(A)
79 1,3-Dichloropropane	76	10.088	10.088	(0.930)	4838992	200.000	207.985(A)
80 Tetrachloroethene	164	10.138	10.138	(0.935)	2513872	200.000	215.057(A)
81 Dibromochloromethane	129	10.325	10.325	(0.952)	3881259	200.000	213.404(A)
83 1,2-Dibromoethane	107	10.483	10.483	(0.966)	3509267	200.000	209.724(A)
84 1-Chlorohexane	91	10.749	10.749	(0.991)	5190909	200.000	219.917(A)
86 Chlorobenzene	112	10.878	10.878	(1.003)	8544985	200.000	213.197(A)
87 1,1,1,2-Tetrachloroethane	131	10.917	10.917	(1.006)	3052899	200.000	207.635(A)
88 Ethylbenzene	106	10.917	10.917	(1.006)	4319150	200.000	215.572(A)
89 m and p-Xylene	106	11.006	11.006	(1.015)	10937581	400.000	429.454(AQ)
90 o-Xylene	106	11.361	11.361	(1.047)	5324285	200.000	212.928(A)
91 Styrene	104	11.361	11.361	(1.047)	9246682	200.000	223.818(A)
92 Bromoform	173	11.578	11.578	(1.067)	2469425	200.000	212.944(A)
93 isopropyl benzene	105	11.657	11.657	(0.903)	13345477	200.000	207.105(A)
95 Cyclohexanone	55	11.795	11.795	(1.087)	8386980	8000.00	8750.12(A)
97 1,1,2,2-Tetrachloroethane	83	11.884	11.884	(0.921)	4108224	200.000	201.532(A)
99 1,2,3-Trichloropropane	110	11.963	11.963	(0.927)	1147780	200.000	203.653(A)
100 Bromobenzene	156	12.012	12.012	(0.930)	3578438	200.000	207.335(A)
101 n-Propylbenzene	120	12.022	12.022	(0.931)	3625032	200.000	216.946(AQ)
102 1,3,5-Trimethylbenzene	105	12.150	12.150	(0.941)	10864681	200.000	210.374(A)
103 2-Chlorotoluene	126	12.160	12.160	(0.942)	3301150	200.000	207.527(A)
104 4-Chlorotoluene	126	12.239	12.239	(0.948)	3415536	200.000	214.242(A)
105 tert-Butylbenzene	119	12.485	12.485	(0.967)	10236267	200.000	206.662(A)
106 1,2,4-Trimethylbenzene	105	12.515	12.515	(0.969)	10882612	200.000	206.190(A)
107 sec-Butylbenzene	105	12.683	12.683	(0.982)	14234169	200.000	201.193(A)
108 4-Isopropyltoluene	119	12.791	12.791	(0.991)	11985711	200.000	219.803(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 1,3-Dichlorobenzene	146	12.860	12.860	(0.996)	6344737	200.000	208.521(A)
111 1,4-dichlorobenzene	146	12.939	12.939	(1.002)	6432401	200.000	206.288(A)
113 n-Butylbenzene	91	13.196	13.196	(1.022)	11231990	200.000	206.412(A)
114 1,2-Dichlorobenzene	146	13.334	13.334	(1.033)	5762468	200.000	202.955(A)
115 1,2-Dibromo-3-chloropropane	157	14.142	14.142	(1.096)	734552	200.000	199.256
116 1,2,4-Trichlorobenzene	180	15.188	15.188	(1.176)	2952395	200.000	182.251
117 Hexachlorobutadiene	225	15.366	15.366	(1.190)	1728925	200.000	189.498
118 Naphthalene	128	15.573	15.573	(1.206)	6782989	200.000	182.747
119 1,2,3-Trichlorobenzene	180	15.908	15.908	(1.232)	2185836	200.000	164.169

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: G5469.D

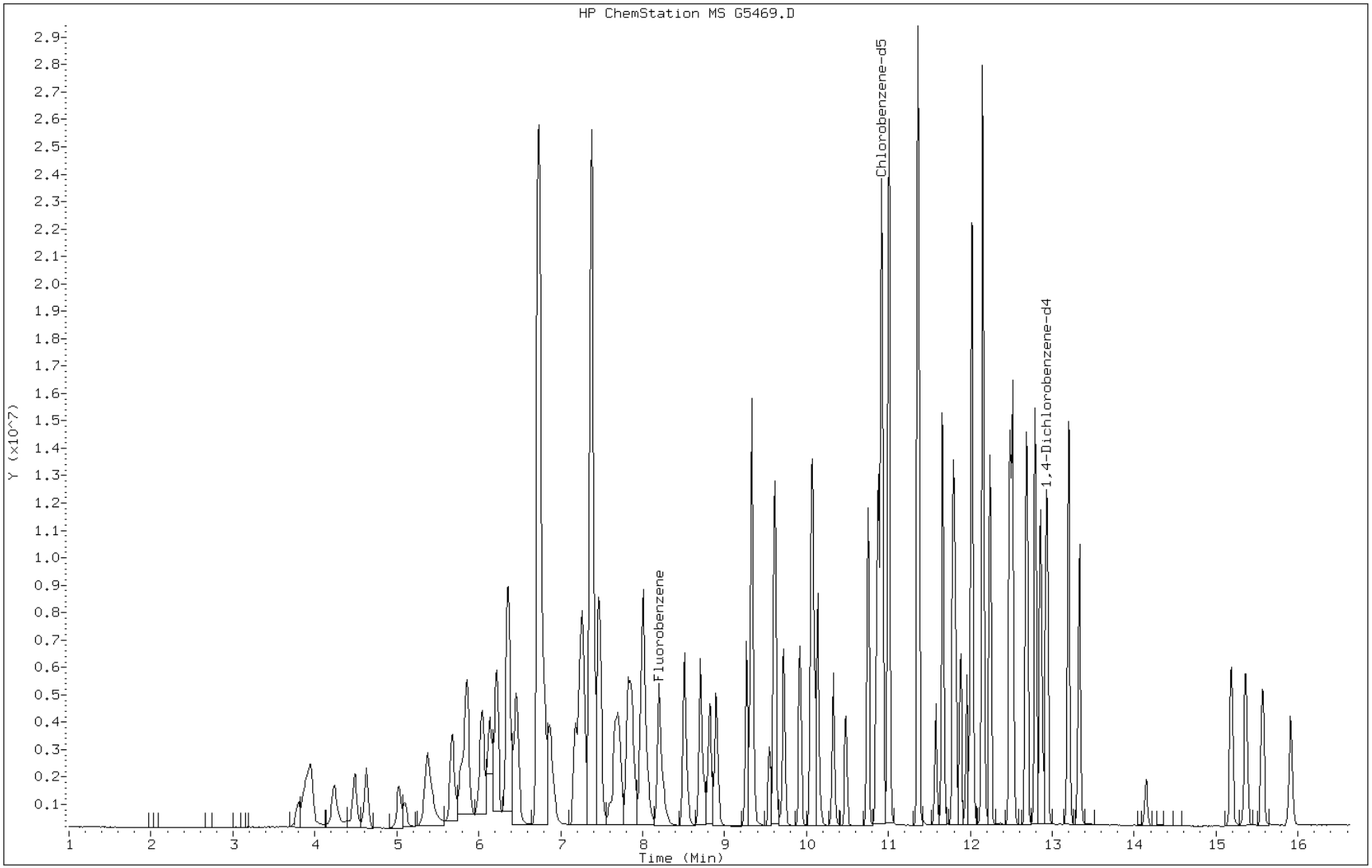
Date: 26-MAR-2012 09:52

Client ID:

Instrument: G.i

Sample Info: IC,,M200

Operator: REINHARDT



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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114253

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/04/2012 07:59 Calibration End Date: 04/04/2012 11:59 Calibration ID: 8961

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114253/3	G5633.D
Level 2	IC 280-114253/4	G5634.D
Level 3	IC 280-114253/5	G5635.D
Level 4	IC 280-114253/6	G5636.D
Level 5	ICIS 280-114253/7	G5637.D
Level 6	IC 280-114253/8	G5642.D
Level 7	IC 280-114253/9	G5639.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.3158 0.3883	0.3933 0.3296	0.3832	0.3707	0.4141	Ave		0.3707				9.6		15.0			
Ethyl ether	+++++ 0.1767	0.1707 0.1533	0.1687	0.1610	0.1736	Ave		0.1673				5.2		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	+++++ 0.3011	0.3157 0.2522	0.3164	0.2926	0.2977	Ave		0.2960				7.9		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.1641	0.1688 0.1492	0.1679	0.1601	0.1694	Ave		0.1633				4.7		15.0			
Methyl acetate	0.2046 0.2867	0.2178 0.2168	0.2298	0.1979	0.2121	Ave		0.2237				13.2		15.0			
Allyl chloride	+++++ 0.3880	0.2761 0.3407	0.2708	0.2655	0.3125	Lin1	0.0416	0.3566							0.9917		0.9900
Carbon disulfide	0.8386 1.0860	0.9284 0.9468	0.9573	0.9023	1.0090	Ave		0.9526				8.3		15.0			
Methyl tert-butyl ether	0.6260 0.7518	0.6528 0.6736	0.6524	0.6105	0.6623	Ave		0.6613				6.9		15.0			
Hexane	+++++ 1.6335	1.5091 1.3233	1.4350	1.2977	1.5379	Ave		1.4561				8.9		15.0			
Vinyl acetate	0.5270 0.7027	0.5548 0.5933	0.5805	0.5108	0.5971	Ave		0.5809				10.8		15.0			
Tert-amyl methyl ether	0.5846 0.6010	0.6307 +++++	0.6332	0.5928	0.6550	Ave		0.6162				4.5		15.0			
Ethyl acetate	0.3362 0.4278	0.3146 0.3346	0.3233	0.2797	0.3044	Ave		0.3315				14.1		15.0			
Cyclohexane	0.3464 0.4042	0.3558 0.3514	0.3694	0.3472	0.3720	Ave		0.3638				5.6		15.0			
Methyl methacrylate	0.0632 0.0895	0.0675 0.0707	0.0691	0.0638	0.0716	Ave		0.0708				12.5		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114253

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/04/2012 07:59 Calibration End Date: 04/04/2012 11:59 Calibration ID: 8961

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylcyclohexane	+++++ 0.3846	0.3483 0.3346	0.3537	0.3347	0.3534	Ave		0.3516				5.2		15.0			
2-Chloroethyl vinyl ether	+++++ 0.1486	+++++ 0.1335	0.1137	0.1104	0.1205	Ave		0.1253				12.6		15.0			
Ethyl methacrylate	0.2246 0.3279	0.2632 0.2956	0.2769	0.2603	0.2910	Ave		0.2771				11.7		15.0			
cis-1,4-Dichloro-2-butene	0.1573 0.2290	0.1924 0.1982	0.1855	0.1712	0.1817	Ave		0.1879				12.0		15.0			
trans-1,4-Dichloro-2-butene	0.1927 0.2582	0.2285 +++++	0.2030	0.1864	0.2022	Ave		0.2118				12.7		15.0			
Dibromofluoromethane (Surr)	+++++ 0.3223	0.3183 0.3111	0.3282	0.3148	0.3154	Ave		0.3184				1.9		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2812	0.2707 0.2647	0.2720	0.2541	0.2650	Ave		0.2680				3.4		15.0			
Toluene-d8 (Surr)	+++++ 3.6797	3.6684 3.2954	3.5686	3.4897	3.6681	Ave		3.5616				4.2		15.0			
4-Bromofluorobenzene (Surr)	+++++ 0.9930	1.0549 0.9680	0.9711	0.9962	0.9989	Ave		0.9970				3.1		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114253

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/04/2012 07:59 Calibration End Date: 04/04/2012 11:59 Calibration ID: 8961

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114253/3	G5633.D
Level 2	IC 280-114253/4	G5634.D
Level 3	IC 280-114253/5	G5635.D
Level 4	IC 280-114253/6	G5636.D
Level 5	ICIS 280-114253/7	G5637.D
Level 6	IC 280-114253/8	G5642.D
Level 7	IC 280-114253/9	G5639.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	51197 2901075	151199 4661501	273048	527388	1476924	2.00 100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	+++++ 1320544	65625 2168453	120176	229063	619358	+++++ 100	5.00 200	10.0	20.0	50.0
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	+++++ 2249732	121356 3567351	225427	416313	1061976	+++++ 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 1226380	64899 2109737	119625	227827	604116	+++++ 100	5.00 200	10.0	20.0	50.0
Methyl acetate	FB	Ave	165861 10712796	418611 15331300	818844	1407999	3782370	10.0 500	25.0 1000	50.0	100	250
Allyl chloride	FB	Lin1	+++++ 2899172	106135 4819244	192925	377729	1114562	+++++ 100	5.00 200	10.0	20.0	50.0
Carbon disulfide	FB	Ave	135932 8114435	356904 13391796	682094	1283687	3599042	2.00 100	5.00 200	10.0	20.0	50.0
Methyl tert-butyl ether	FB	Ave	101468 5617384	250981 9527159	464888	868457	2362347	2.00 100	5.00 200	10.0	20.0	50.0
Hexane	CBZ	Ave	+++++ 2738331	132954 4310120	239800	429465	1234390	+++++ 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	170855 10500771	426560 16783891	827260	1453196	4259704	4.00 200	10.0 400	20.0	40.0	100
Tert-amyl methyl ether	FB	Ave	473805 22452451	1212331 +++++	2255740	4216755	11682026	10.0 500	25.0 +++++	50.0	100	250
Ethyl acetate	FB	Ave	108998 6392375	241921 9464009	460664	795694	2171242	4.00 200	10.0 400	20.0	40.0	100
Cyclohexane	FB	Ave	56151 3019809	136794 4970991	263199	493903	1327011	2.00 100	5.00 200	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	20478 1337007	51930 2000784	98541	181411	510469	4.00 200	10.0 400	20.0	40.0	100
Methylcyclohexane	FB	Ave	+++++ 2873758	133896 4732718	252062	476087	1260720	+++++ 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114253

SDG No.:

Instrument ID: MSV_G GC Column: DB-624 ID: 0.32(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/04/2012 07:59 Calibration End Date: 04/04/2012 11:59 Calibration ID: 8961

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	FB	Ave	+++++ 1110468	+++++ 1888536	81012	157016	429846	+++++ 100	+++++ 200	10.0	20.0	50.0
Ethyl methacrylate	FB	Ave	72818 4899525	202375 8363104	394574	740576	2076050	4.00 200	10.0 400	20.0	40.0	100
cis-1,4-Dichloro-2-butene	DCB	Ave	8293 567230	23285 906536	44487	77678	211948	2.00 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	10155 639643	27653 +++++	48667	84565	235931	2.00 100	5.00 +++++	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	+++++ 2408567	122353 4400188	233857	447889	1125118	+++++ 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 2101400	104080 3743471	193787	361533	945354	+++++ 100	5.00 200	10.0	20.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	+++++ 6168346	323190 10733341	596337	1154890	2944228	+++++ 100	5.00 200	10.0	20.0	50.0
4-Bromofluorobenzene (Surr)	DCB	Ave	+++++ 2460252	127679 4427441	232827	452033	1165332	+++++ 100	5.00 200	10.0	20.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5633.D
Lab Smp Id: IC
Inj Date : 04-APR-2012 07:59
Operator : HUBBSL Inst ID: G.i
Smp Info : IC,,002
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 12:26 G.i Quant Type: ISTD
Cal Date : 04-APR-2012 11:59 Cal File: G5642.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.171	8.171	(1.000)	4052474	50.0000	
* 85 Chlorobenzene-d5	119	10.834	10.834	(1.000)	938072	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.895	12.895	(1.000)	1317614	50.0000	(Q)
$ 49 Dibromofluoromethane (Surr)	111	7.589	7.589	(0.929)	60176	2.00000	2.33213(a)
$ 55 1,2-Dichloroethane-d4	65	7.895	7.895	(0.966)	49208	2.00000	2.26576(a)
$ 73 Toluene-d8	98	9.532	9.532	(0.880)	151850	2.00000	2.27247(a)
$ 96 4-Bromofluorobenzene (Surr)	95	11.810	11.810	(0.916)	67059	2.00000	2.55235(a)
12 Dichlorofluoromethane	67	5.231	5.231	(0.640)	51197	2.00000	1.70398(a)
15 1,2-dichloro-1,1,2-trifluoro	117	5.517	5.517	(0.675)	37267	2.00000	2.08840(a)
16 Ethyl Ether	59	5.517	5.517	(0.675)	28359	2.00000	2.09090(a)
17 2,2-dichloro-1,1,1-trifluoro	83	5.537	5.537	(0.678)	50536	2.00000	2.10683(a)
19 Trichlorotrifluoroethane	151	5.794	5.794	(0.709)	23105	2.00000	1.74623(a)
21 2-Propanol	45	5.784	5.784	(0.708)	64913	40.0000	35.6246(aQ)
25 Methyl Acetate	43	6.020	6.020	(0.737)	165861	10.0000	9.14855(a)
26 Allyl Chloride	41	6.090	6.090	(0.745)	38983	2.00000	1.58966(aQ)
27 Carbon Disulfide	76	6.139	6.139	(0.751)	135932	2.00000	1.76056(a)
31 Methyl t-butyl ether	73	6.376	6.376	(0.780)	101468	2.00000	1.89302(a)
33 Hexane	57	6.612	6.612	(0.610)	51964	2.00000	1.90217(a)
34 Vinyl acetate	43	6.691	6.691	(0.819)	170855	4.00000	3.62905(a)
38 ETBE	59	7.007	7.007	(0.858)	559548	10.0000	9.95284(Q)
39 Ethyl Acetate	43	7.155	7.155	(0.876)	108998	4.00000	4.05693(a)
42 2-Butanol	45	7.194	7.194	(0.880)	119687	60.0000	51.8460

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48 Tetrahydrofuran	42	7.480	7.480	(0.916)	24293	4.00000	4.16931(a)
52 Cyclohexane	56	7.786	7.786	(0.953)	56151	2.00000	1.90447(a)
57 TAME	73	7.973	7.973	(0.976)	473805	10.0000	9.48682
62 2-Pentanone	43	8.516	8.516	(1.042)	109354	8.00000	6.95170(a)
63 Methyl Methacrylate	100	8.634	8.634	(1.057)	20478	4.00000	3.57035(a)
64 Methyl Cyclohexane	83	8.713	8.713	(1.066)	50247	2.00000	1.76344(a)
70 2-nitropropane	41	9.039	9.039	(1.106)	8895	2.00000	1.85873(a)
69 2-Chloroethyl vinyl ether	63	9.049	9.049	(1.107)	16018	2.00000	1.57674(a)
75 Ethyl methacrylate	69	9.690	9.690	(1.186)	72818	4.00000	3.24264(a)
94 cis-1,4-Dichloro-2-butene	53	11.662	11.662	(0.904)	8293	2.00000	1.67483(aQ)
98 t-1,4-Dichloro-2-butene	53	11.899	11.899	(0.923)	10155	2.00000	1.81928(a)
112 1,2,3-Trimethylbenzene	105	12.925	12.925	(1.002)	120829	2.00000	1.78517(a)
120 Tetralin	104	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: G5633.D

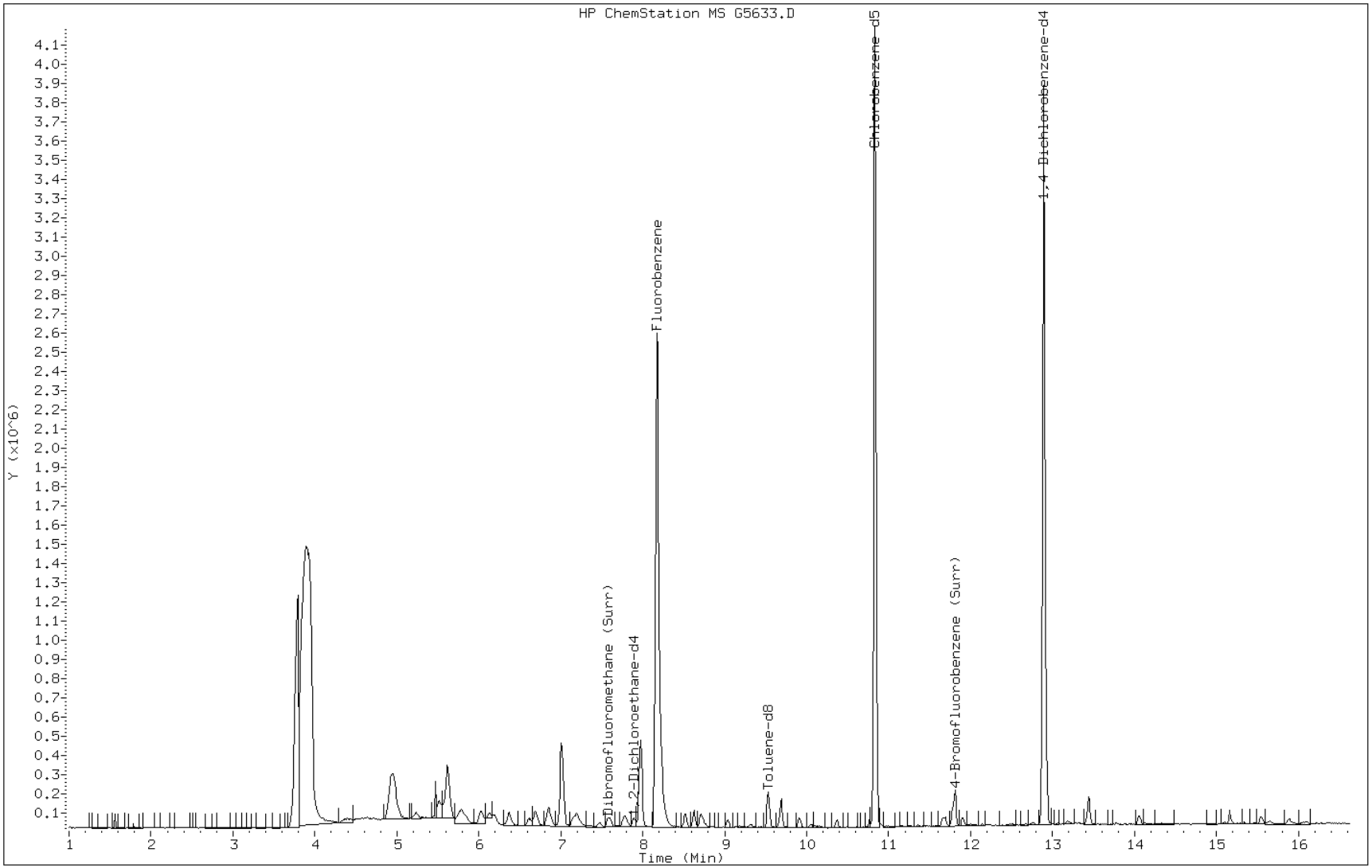
Date: 04-APR-2012 07:59

Client ID:

Instrument: G.i

Sample Info: IC,,002

Operator: HUBBSL



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5634.D
Lab Smp Id: IC
Inj Date : 04-APR-2012 08:21
Operator : HUBBSL Inst ID: G.i
Smp Info : IC,,005
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 12:26 G.i Quant Type: ISTD
Cal Date : 04-APR-2012 07:59 Cal File: G5633.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.181	8.181	(1.000)	3844412	50.0000	
* 85 Chlorobenzene-d5	119	10.835	10.835	(1.000)	881013	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.896	12.896	(1.000)	1210288	50.0000	
$ 49 Dibromofluoromethane (Surr)	111	7.590	7.590	(0.928)	122353	5.00000	4.99843(a)
$ 55 1,2-Dichloroethane-d4	65	7.895	7.895	(0.965)	104080	5.00000	5.05168
$ 73 Toluene-d8	98	9.533	9.533	(0.880)	323190	5.00000	5.14986
$ 96 4-Bromofluorobenzene (Surr)	95	11.811	11.811	(0.916)	127679	5.00000	5.29056
12 Dichlorofluoromethane	67	5.232	5.232	(0.640)	151199	5.00000	5.30467(a)
15 1,2-dichloro-1,1,2-trifluoro	117	5.499	5.499	(0.672)	86375	5.00000	5.10232
16 Ethyl Ether	59	5.518	5.518	(0.674)	65625	5.00000	5.10037(a)
17 2,2-dichloro-1,1,1-trifluoro	83	5.558	5.558	(0.679)	121356	5.00000	5.33311
19 Trichlorotrifluoroethane	151	5.785	5.785	(0.707)	64899	5.00000	5.17040
21 2-Propanol	45	5.775	5.775	(0.706)	168394	100.000	97.4171(aQ)
25 Methyl Acetate	43	6.031	6.031	(0.737)	418611	25.0000	24.3393
26 Allyl Chloride	41	6.100	6.100	(0.746)	106135	5.00000	4.56224(a)
27 Carbon Disulfide	76	6.130	6.130	(0.749)	356904	5.00000	4.87272(a)
31 Methyl t-butyl ether	73	6.367	6.367	(0.778)	250981	5.00000	4.93579(a)
33 Hexane	57	6.613	6.613	(0.610)	132954	5.00000	5.18205
34 Vinyl acetate	43	6.692	6.692	(0.818)	426560	10.0000	9.55072(a)
38 ETBE	59	7.008	7.008	(0.857)	1436453	25.0000	26.9334
39 Ethyl Acetate	43	7.156	7.156	(0.875)	241921	10.0000	9.49168(a)
42 2-Butanol	45	7.205	7.205	(0.881)	308259	150.000	140.758

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48 Tetrahydrofuran	42	7.471	7.471	(0.913)	52433	10.0000	9.48588(a)
52 Cyclohexane	56	7.777	7.777	(0.951)	136794	5.00000	4.89074(a)
57 TAME	73	7.974	7.974	(0.975)	1212331	25.0000	25.5878
62 2-Pentanone	43	8.517	8.517	(1.041)	280342	20.0000	18.7860
63 Methyl Methacrylate	100	8.625	8.625	(1.054)	51930	10.0000	9.54403
64 Methyl Cyclohexane	83	8.714	8.714	(1.065)	133896	5.00000	4.95347(a)
70 2-nitropropane	41	9.030	9.030	(1.104)	21111	5.00000	4.65017(aQ)
69 2-Chloroethyl vinyl ether	63	9.040	9.040	(1.105)	41408	5.00000	4.29661(a)
75 Ethyl methacrylate	69	9.691	9.691	(1.184)	202375	10.0000	9.49963
94 cis-1,4-Dichloro-2-butene	53	11.663	11.663	(0.904)	23285	5.00000	5.11958
98 t-1,4-Dichloro-2-butene	53	11.910	11.910	(0.924)	27653	5.00000	5.39339(Q)
112 1,2,3-Trimethylbenzene	105	12.926	12.926	(1.002)	313628	5.00000	5.04455
120 Tetralin	104	Compound Not Detected.					

QC Flag Legend

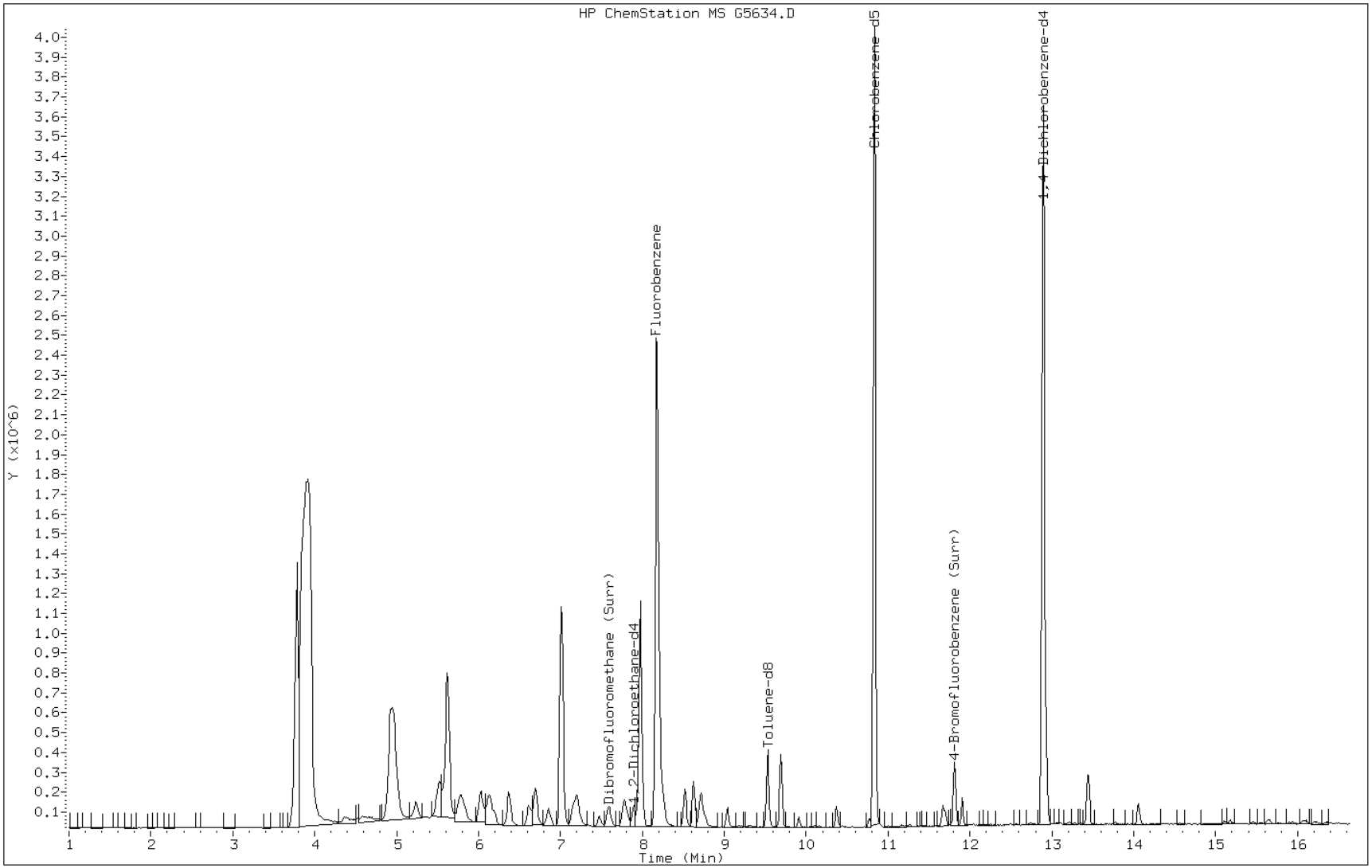
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: G5634.D

Date: 04-APR-2012 08:21

Client ID: Instrument: G.i

Sample Info: IC,,005 Operator: HUBBSL



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5635.D
Lab Smp Id: IC
Inj Date : 04-APR-2012 08:42
Operator : HUBBSL Inst ID: G.i
Smp Info : IC,,010
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 12:26 G.i Quant Type: ISTD
Cal Date : 04-APR-2012 08:21 Cal File: G5634.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.177	8.177	(1.000)	3562718	50.0000	
* 85 Chlorobenzene-d5	119	10.830	10.830	(1.000)	835541	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.892	12.892	(1.000)	1198835	50.0000	
$ 49 Dibromofluoromethane (Surr)	111	7.585	7.585	(0.928)	233857	10.0000	10.3090
$ 55 1,2-Dichloroethane-d4	65	7.891	7.891	(0.965)	193787	10.0000	10.1494
$ 73 Toluene-d8	98	9.528	9.528	(0.880)	596337	10.0000	10.0194
$ 96 4-Bromofluorobenzene (Surr)	95	11.807	11.807	(0.916)	232827	10.0000	9.73969
12 Dichlorofluoromethane	67	5.238	5.238	(0.641)	273048	10.0000	10.3371
15 1,2-dichloro-1,1,2-trifluoro	117	5.504	5.504	(0.673)	164379	10.0000	10.4779
16 Ethyl Ether	59	5.514	5.514	(0.674)	120176	10.0000	10.0786
17 2,2-dichloro-1,1,1-trifluoro	83	5.553	5.553	(0.679)	225427	10.0000	10.6899
19 Trichlorotrifluoroethane	151	5.800	5.800	(0.709)	119625	10.0000	10.2839
21 2-Propanol	45	5.770	5.770	(0.706)	322703	200.000	201.446
25 Methyl Acetate	43	6.027	6.027	(0.737)	818844	50.0000	51.3745
26 Allyl Chloride	41	6.096	6.096	(0.745)	192925	10.0000	8.94863(a)
27 Carbon Disulfide	76	6.135	6.135	(0.750)	682094	10.0000	10.0488
31 Methyl t-butyl ether	73	6.372	6.372	(0.779)	464888	10.0000	9.86536(a)
33 Hexane	57	6.609	6.609	(0.610)	239800	10.0000	9.85517
34 Vinyl acetate	43	6.697	6.697	(0.819)	827260	20.0000	19.9869
38 ETBE	59	7.013	7.013	(0.858)	2728718	50.0000	55.2087
39 Ethyl Acetate	43	7.151	7.151	(0.875)	460664	20.0000	19.5030(a)
42 2-Butanol	45	7.200	7.200	(0.881)	582715	300.000	287.120

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
48 Tetrahydrofuran	42	7.477	7.477	(0.914)	100059	20.0000	19.5334(a)
52 Cyclohexane	56	7.782	7.782	(0.952)	263199	10.0000	10.1541
57 TAME	73	7.980	7.980	(0.976)	2255740	50.0000	51.3746
62 2-Pentanone	43	8.522	8.522	(1.042)	543575	40.0000	39.3056
63 Methyl Methacrylate	100	8.621	8.621	(1.054)	98541	20.0000	19.5424
64 Methyl Cyclohexane	83	8.709	8.709	(1.065)	252062	10.0000	10.0623
70 2-nitropropane	41	9.025	9.025	(1.104)	39386	10.0000	9.36162(a)
69 2-Chloroethyl vinyl ether	63	9.045	9.045	(1.106)	81012	10.0000	9.07067(a)
75 Ethyl methacrylate	69	9.696	9.696	(1.186)	394574	20.0000	19.9860
94 cis-1,4-Dichloro-2-butene	53	11.659	11.659	(0.904)	44487	10.0000	9.87463
98 t-1,4-Dichloro-2-butene	53	11.905	11.905	(0.923)	48667	10.0000	9.58261
112 1,2,3-Trimethylbenzene	105	12.931	12.931	(1.003)	609589	10.0000	9.89860
120 Tetralin	104	Compound Not Detected.					

QC Flag Legend

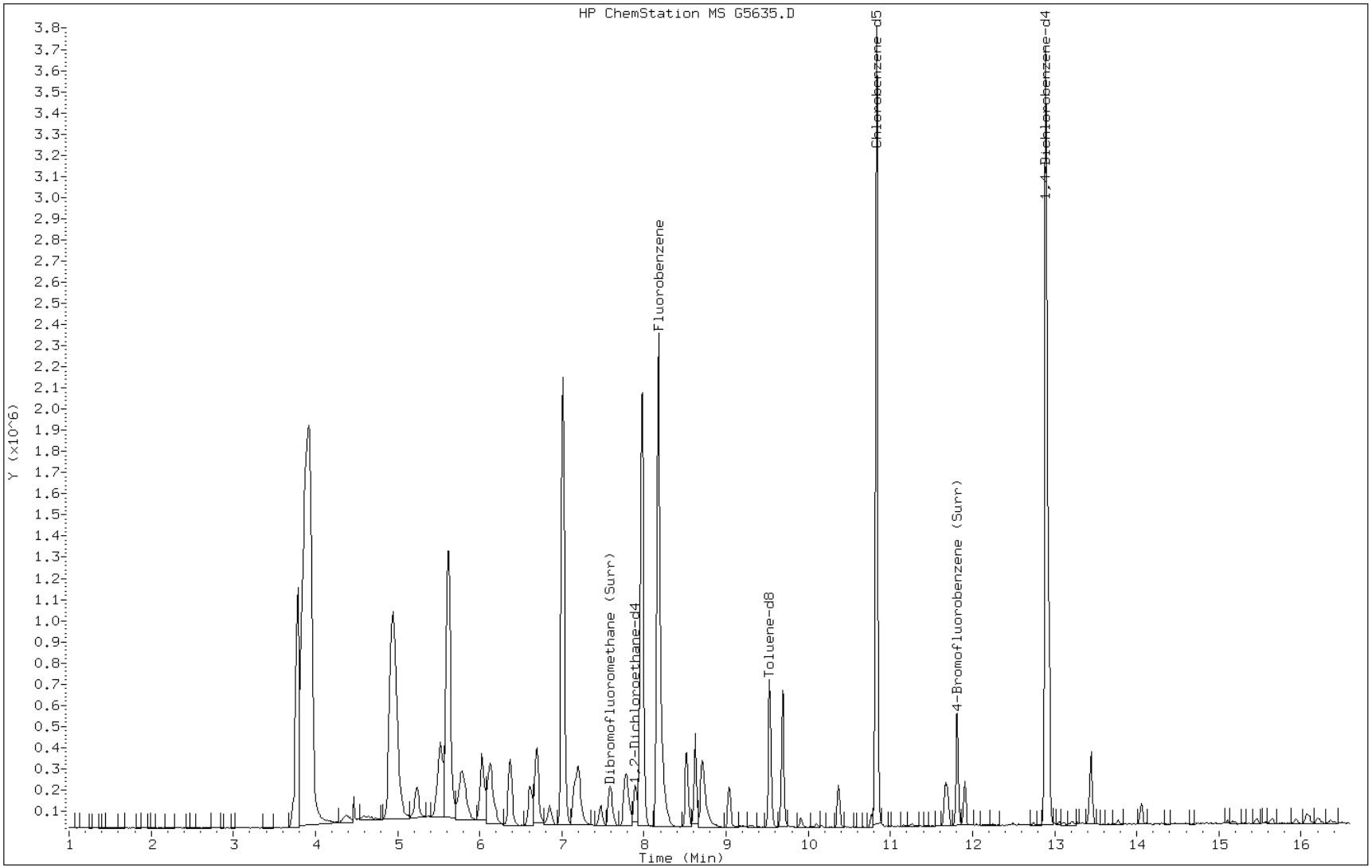
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: G5635.D

Date: 04-APR-2012 08:42

Client ID: Instrument: G.i

Sample Info: IC,,010 Operator: HUBBSL



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5636.D
Lab Smp Id: IC
Inj Date : 04-APR-2012 09:04
Operator : HUBBSL Inst ID: G.i
Smp Info : IC,,020
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 12:26 G.i Quant Type: ISTD
Cal Date : 04-APR-2012 08:42 Cal File: G5635.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.171	8.171	(1.000)	3556524	50.0000	
* 85 Chlorobenzene-d5	119	10.834	10.834	(1.000)	827362	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.896	12.896	(1.000)	1134439	50.0000	
$ 49 Dibromofluoromethane (Surr)	111	7.589	7.589	(0.929)	447889	20.0000	19.7785
$ 55 1,2-Dichloroethane-d4	65	7.895	7.895	(0.966)	361533	20.0000	18.9680
$ 73 Toluene-d8	98	9.532	9.532	(0.880)	1154890	20.0000	19.5959
$ 96 4-Bromofluorobenzene (Surr)	95	11.811	11.811	(0.916)	452033	20.0000	19.9830
12 Dichlorofluoromethane	67	5.232	5.232	(0.640)	527388	20.0000	20.0006
15 1,2-dichloro-1,1,2-trifluoro	117	5.508	5.508	(0.674)	308120	20.0000	19.6745
16 Ethyl Ether	59	5.518	5.518	(0.675)	229063	20.0000	19.2438
17 2,2-dichloro-1,1,1-trifluoro	83	5.548	5.548	(0.679)	416313	20.0000	19.7762
19 Trichlorotrifluoroethane	151	5.794	5.794	(0.709)	227827	20.0000	19.6198
21 2-Propanol	45	5.774	5.774	(0.707)	520444	400.000	325.452
25 Methyl Acetate	43	6.021	6.021	(0.737)	1407999	100.000	88.4921
26 Allyl Chloride	41	6.100	6.100	(0.747)	377729	20.0000	17.5511
27 Carbon Disulfide	76	6.139	6.139	(0.751)	1283687	20.0000	18.9445
31 Methyl t-butyl ether	73	6.366	6.366	(0.779)	868457	20.0000	18.4616(a)
33 Hexane	57	6.613	6.613	(0.610)	429465	20.0000	17.8244
34 Vinyl acetate	43	6.692	6.692	(0.819)	1453196	40.0000	35.1710
38 ETBE	59	7.007	7.007	(0.858)	5249159	100.000	106.388
39 Ethyl Acetate	43	7.155	7.155	(0.876)	795694	40.0000	33.7458
42 2-Butanol	45	7.195	7.195	(0.881)	979541	600.000	483.487

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48 Tetrahydrofuran	42	7.471	7.471	(0.914)	169627	40.0000	33.1720
52 Cyclohexane	56	7.777	7.777	(0.952)	493903	20.0000	19.0877
57 TAME	73	7.974	7.974	(0.976)	4216755	100.000	96.2041
62 2-Pentanone	43	8.517	8.517	(1.042)	947928	80.0000	68.6635
63 Methyl Methacrylate	100	8.625	8.625	(1.056)	181411	40.0000	36.0397
64 Methyl Cyclohexane	83	8.714	8.714	(1.066)	476087	20.0000	19.0385
70 2-nitropropane	41	9.029	9.029	(1.105)	68478	20.0000	16.3048(Q)
69 2-Chloroethyl vinyl ether	63	9.039	9.039	(1.106)	157016	20.0000	17.6112(a)
75 Ethyl methacrylate	69	9.690	9.690	(1.186)	740576	40.0000	37.5771
94 cis-1,4-Dichloro-2-butene	53	11.663	11.663	(0.904)	77678	20.0000	18.2206
98 t-1,4-Dichloro-2-butene	53	11.910	11.910	(0.924)	84565	20.0000	17.5962
112 1,2,3-Trimethylbenzene	105	12.926	12.926	(1.002)	1152639	20.0000	19.7792
120 Tetralin	104	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: G5636.D

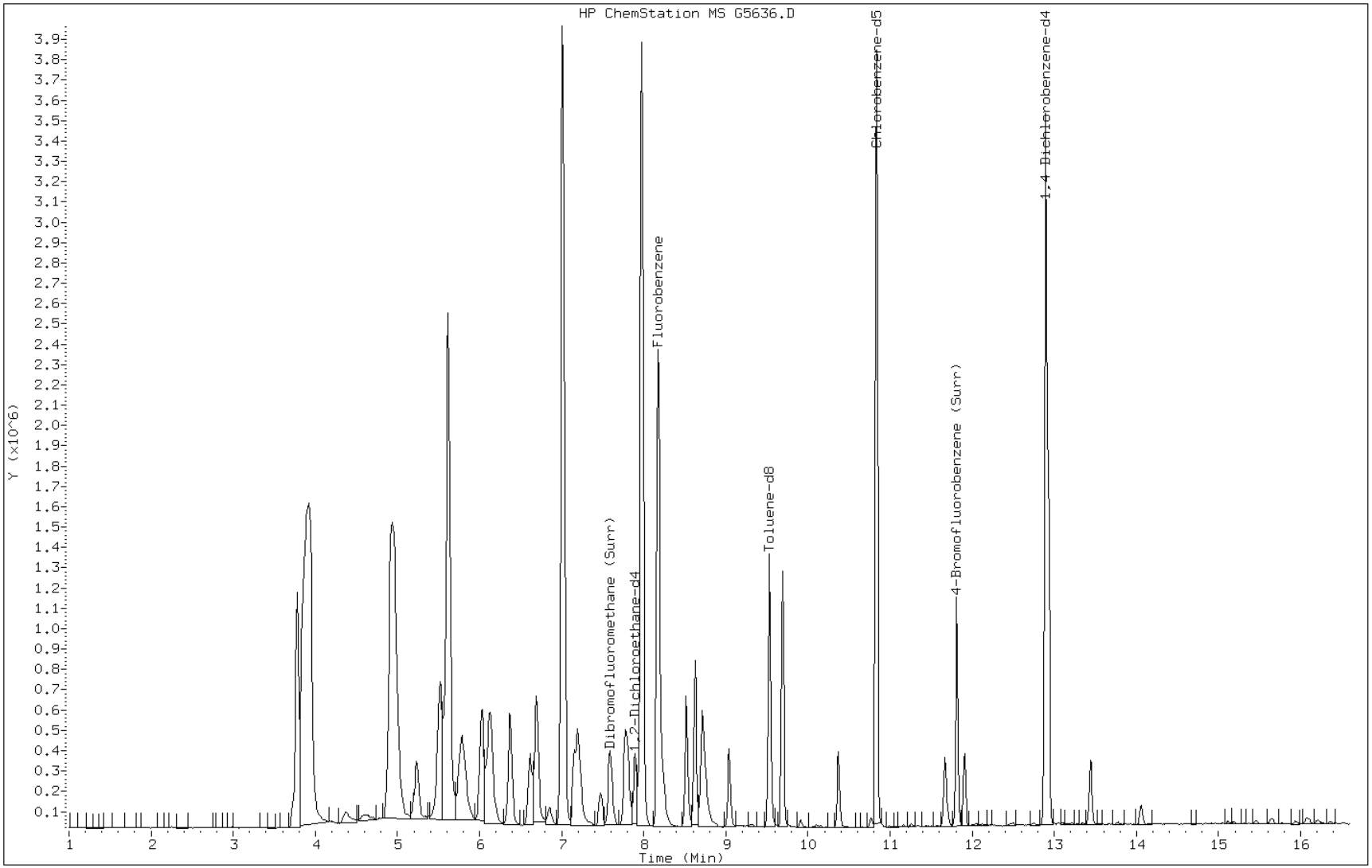
Date: 04-APR-2012 09:04

Client ID:

Instrument: G.i

Sample Info: IC,,020

Operator: HUBBSL



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5637.D
Lab Smp Id: ICIS
Inj Date : 04-APR-2012 09:25
Operator : HUBBSL Inst ID: G.i
Smp Info : ICIS,,050
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 12:26 G.i Quant Type: ISTD
Cal Date : 04-APR-2012 09:04 Cal File: G5636.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	59 Fluorobenzene	96	8.181	8.181	(1.000)	3566911	50.0000	
*	85 Chlorobenzene-d5	119	10.834	10.834	(1.000)	802651	50.0000	
*	110 1,4-Dichlorobenzene-d4	152	12.896	12.896	(1.000)	1166662	50.0000	
$	49 Dibromofluoromethane (Surr)	111	7.589	7.589	(0.928)	1125118	50.0000	49.5399
$	55 1,2-Dichloroethane-d4	65	7.895	7.895	(0.965)	945354	50.0000	49.4539
$	73 Toluene-d8	98	9.532	9.532	(0.880)	2944228	50.0000	51.4950
$	96 4-Bromofluorobenzene (Surr)	95	11.811	11.811	(0.916)	1165332	50.0000	50.0928
	12 Dichlorofluoromethane	67	5.241	5.241	(0.641)	1476924	50.0000	55.8477
	15 1,2-dichloro-1,1,2-trifluoro	117	5.518	5.518	(0.674)	794433	50.0000	50.5796
	16 Ethyl Ether	59	5.518	5.518	(0.674)	619358	50.0000	51.8814
	17 2,2-dichloro-1,1,1-trifluoro	83	5.547	5.547	(0.678)	1061976	50.0000	50.3004
	19 Trichlorotrifluoroethane	151	5.794	5.794	(0.708)	604116	50.0000	51.8733
	21 2-Propanol	45	5.784	5.784	(0.707)	1427702	1000.00	890.192
	25 Methyl Acetate	43	6.031	6.031	(0.737)	3782370	250.000	237.028
	26 Allyl Chloride	41	6.109	6.109	(0.747)	1114562	50.0000	51.6370
	27 Carbon Disulfide	76	6.129	6.129	(0.749)	3599042	50.0000	52.9595
	31 Methyl t-butyl ether	73	6.376	6.376	(0.779)	2362347	50.0000	50.0723
	33 Hexane	57	6.612	6.612	(0.610)	1234390	50.0000	52.8090
	34 Vinyl acetate	43	6.701	6.701	(0.819)	4259704	100.000	102.795
	38 ETBE	59	7.017	7.017	(0.858)	14374202	250.000	290.484
	39 Ethyl Acetate	43	7.155	7.155	(0.875)	2171242	100.000	91.8154
	42 2-Butanol	45	7.204	7.204	(0.881)	2804030	1500.00	1380.00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48	Tetrahydrofuran	42	7.471	7.471	(0.913)	459437	100.000	89.5853
52	Cyclohexane	56	7.786	7.786	(0.952)	1327011	50.0000	51.1352
57	TAME	73	7.974	7.974	(0.975)	11682026	250.000	265.746
62	2-Pentanone	43	8.516	8.516	(1.041)	2687284	200.000	194.088
63	Methyl Methacrylate	100	8.625	8.625	(1.054)	510469	100.000	101.116
64	Methyl Cyclohexane	83	8.713	8.713	(1.065)	1260720	50.0000	50.2688
70	2-nitropropane	41	9.029	9.029	(1.104)	201968	50.0000	47.9491
69	2-Chloroethyl vinyl ether	63	9.039	9.039	(1.105)	429846	50.0000	48.0720(a)
75	Ethyl methacrylate	69	9.690	9.690	(1.184)	2076050	100.000	105.033
94	cis-1,4-Dichloro-2-butene	53	11.663	11.663	(0.904)	211948	50.0000	48.3428
98	t-1,4-Dichloro-2-butene	53	11.909	11.909	(0.924)	235931	50.0000	47.7363
112	1,2,3-Trimethylbenzene	105	12.925	12.925	(1.002)	3192598	50.0000	53.2715
120	Tetralin	104	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: G5637.D

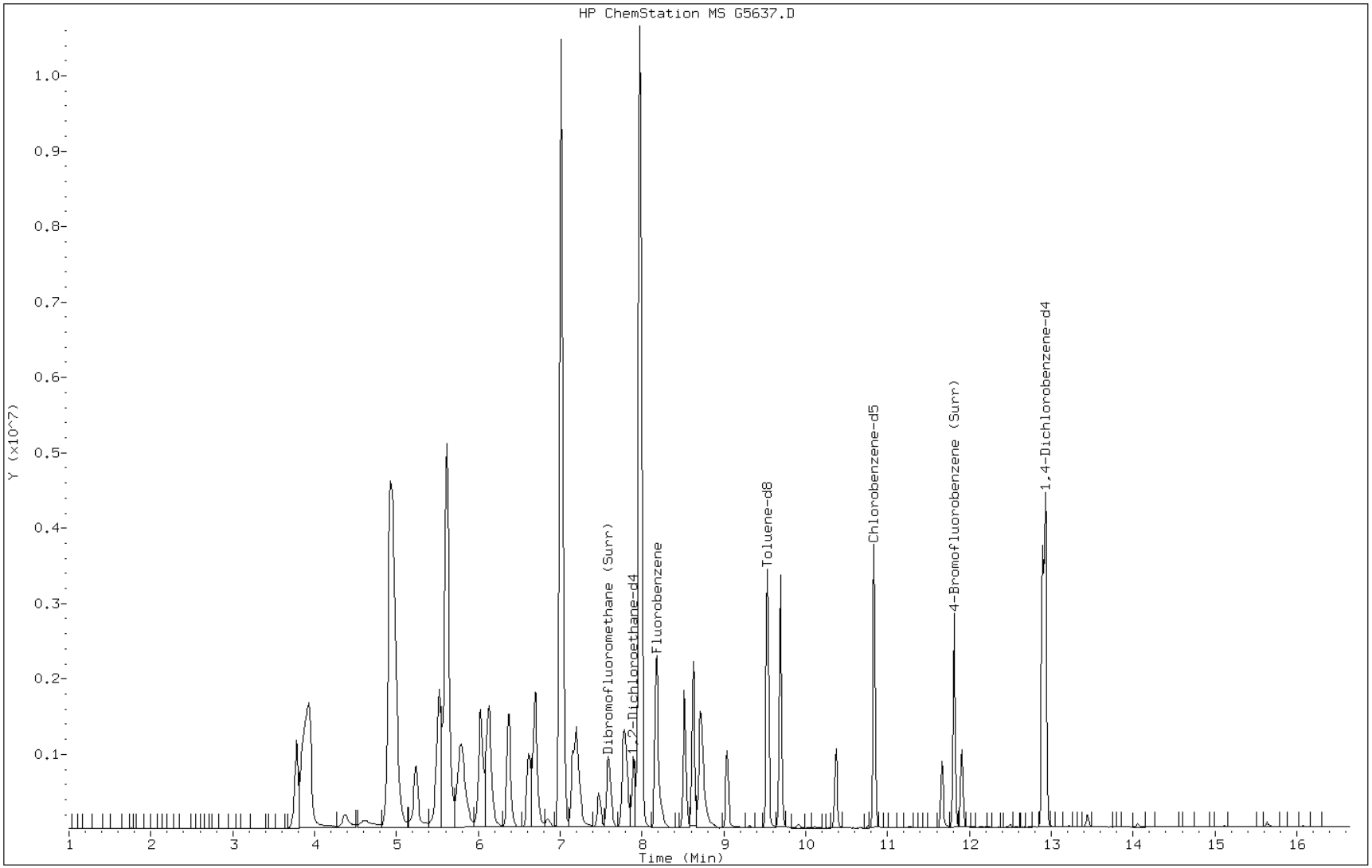
Date: 04-APR-2012 09:25

Client ID:

Instrument: G.i

Sample Info: ICIS,,050

Operator: HUBBSL



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5642.D
Lab Smp Id: IC
Inj Date : 04-APR-2012 11:59
Operator : HUBBSL Inst ID: G.i
Smp Info : IC,,S100
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 12:26 G.i Quant Type: ISTD
Cal Date : 04-APR-2012 09:25 Cal File: G5637.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.171	8.171	(1.000)	3735957	50.0000	
* 85 Chlorobenzene-d5	119	10.835	10.835	(1.000)	838168	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.896	12.896	(1.000)	1238750	50.0000	
$ 49 Dibromofluoromethane (Surr)	111	7.589	7.589	(0.929)	2408567	100.000	101.252
$ 55 1,2-Dichloroethane-d4	65	7.895	7.895	(0.966)	2101400	100.000	104.956
$ 73 Toluene-d8	98	9.533	9.533	(0.880)	6168346	100.000	103.314
$ 96 4-Bromofluorobenzene (Surr)	95	11.811	11.811	(0.916)	2460252	100.000	99.6018
12 Dichlorofluoromethane	67	5.232	5.232	(0.640)	2901075	100.000	104.736
15 1,2-dichloro-1,1,2-trifluoro	117	5.508	5.508	(0.674)	1674779	100.000	101.804
16 Ethyl Ether	59	5.518	5.518	(0.675)	1320544	100.000	105.612
17 2,2-dichloro-1,1,1-trifluoro	83	5.548	5.548	(0.679)	2249732	100.000	101.737
19 Trichlorotrifluoroethane	151	5.794	5.794	(0.709)	1226380	100.000	100.540
21 2-Propanol	45	5.784	5.784	(0.708)	4550794	2000.00	2709.09
25 Methyl Acetate	43	6.021	6.021	(0.737)	10712796	500.000	640.957
26 Allyl Chloride	41	6.100	6.100	(0.747)	2899172	100.000	128.239(Q)
27 Carbon Disulfide	76	6.130	6.130	(0.750)	8114435	100.000	114.000
31 Methyl t-butyl ether	73	6.366	6.366	(0.779)	5617384	100.000	113.678
33 Hexane	57	6.613	6.613	(0.610)	2738331	100.000	112.186
34 Vinyl acetate	43	6.692	6.692	(0.819)	10500771	200.000	241.939
38 ETBE	59	7.008	7.008	(0.858)	15480952	500.000	298.694(Q)
39 Ethyl Acetate	43	7.155	7.155	(0.876)	6392375	200.000	258.083
42 2-Butanol	45	7.205	7.205	(0.882)	9364205	3000.00	4400.05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48	Tetrahydrofuran	42	7.471	7.471	(0.914)	1430033	200.000	266.224
52	Cyclohexane	56	7.787	7.787	(0.953)	3019809	100.000	111.100
57	TAME	73	7.974	7.974	(0.976)	22452451	500.000	487.644
62	2-Pentanone	43	8.517	8.517	(1.042)	7824021	400.000	539.516
63	Methyl Methacrylate	100	8.625	8.625	(1.056)	1337007	200.000	252.857
64	Methyl Cyclohexane	83	8.714	8.714	(1.066)	2873758	100.000	109.401
70	2-nitropropane	41	9.030	9.030	(1.105)	569757	100.000	129.145
69	2-Chloroethyl vinyl ether	63	9.039	9.039	(1.106)	1110468	100.000	118.570
75	Ethyl methacrylate	69	9.690	9.690	(1.186)	4899525	200.000	236.664
94	cis-1,4-Dichloro-2-butene	53	11.663	11.663	(0.904)	567230	100.000	121.849
98	t-1,4-Dichloro-2-butene	53	11.910	11.910	(0.924)	639643	100.000	121.888
112	1,2,3-Trimethylbenzene	105	12.936	12.936	(1.003)	6693041	100.000	105.181
120	Tetralin	104	Compound Not Detected.					

QC Flag Legend

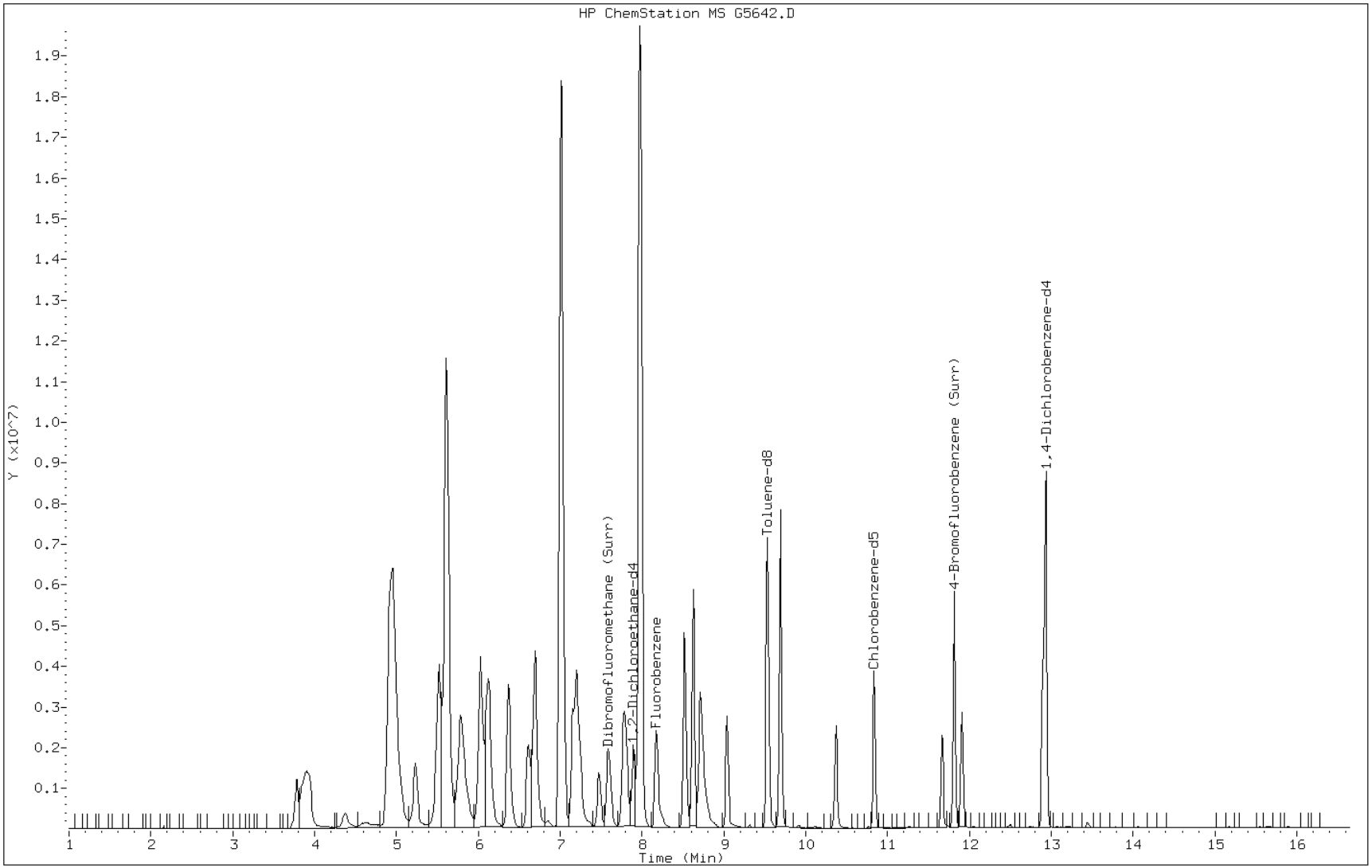
Q - Qualifier signal failed the ratio test.

Data File: G5642.D

Date: 04-APR-2012 11:59

Client ID: Instrument: G.i

Sample Info: IC,,S100 Operator: HUBBSL



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5639.D
Lab Smp Id: IC
Inj Date : 04-APR-2012 10:08
Operator : HUBBSL Inst ID: G.i
Smp Info : IC,,200
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 12:27 G.i Quant Type: ISTD
Cal Date : 26-MAR-2012 15:22 Cal File: G5480.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.170	8.170	(1.000)	3536095	50.0000	
* 85 Chlorobenzene-d5	119	10.833	10.833	(1.000)	814266	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.895	12.895	(1.000)	1143461	50.0000	
$ 49 Dibromofluoromethane (Surr)	111	7.588	7.588	(0.929)	4400188	200.000	195.432
$ 55 1,2-Dichloroethane-d4	65	7.894	7.894	(0.966)	3743471	200.000	197.537
$ 73 Toluene-d8	98	9.531	9.531	(0.880)	10733341	200.000	185.050
$ 96 4-Bromofluorobenzene (Surr)	95	11.810	11.810	(0.916)	4427441	200.000	194.179
12 Dichlorofluoromethane	67	5.231	5.231	(0.640)	4661501	200.000	177.804
15 1,2-dichloro-1,1,2-trifluoro	117	5.507	5.507	(0.674)	2722367	200.000	174.837
16 Ethyl Ether	59	5.517	5.517	(0.675)	2168453	200.000	183.226
17 2,2-dichloro-1,1,1-trifluoro	83	5.546	5.546	(0.679)	3567351	200.000	170.440
19 Trichlorotrifluoroethane	151	5.793	5.793	(0.709)	2109737	200.000	182.734
21 2-Propanol	45	5.783	5.783	(0.708)	6106898	4000.00	3840.92
25 Methyl Acetate	43	6.020	6.020	(0.737)	15331300	1000.00	969.132
26 Allyl Chloride	41	6.109	6.109	(0.748)	4819244	200.000	225.219(A)
27 Carbon Disulfide	76	6.128	6.128	(0.750)	13391796	200.000	198.776
31 Methyl t-butyl ether	73	6.365	6.365	(0.779)	9527159	200.000	203.697(A)
33 Hexane	57	6.612	6.612	(0.610)	4310120	200.000	181.763
34 Vinyl acetate	43	6.691	6.691	(0.819)	16783891	400.000	408.559(A)
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	7.154	7.154	(0.876)	9464009	400.000	403.692(A)
42 2-Butanol	45	7.194	7.194	(0.880)	12665669	6000.00	6287.71(A)
48 Tetrahydrofuran	42	7.470	7.470	(0.914)	1985148	400.000	390.456

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
52 Cyclohexane	56	7.786	7.786	(0.953)	4970991	200.000	193.222
57 TAME	73	Compound Not Detected.					
62 2-Pentanone	43	8.515	8.515	(1.042)	11327629	800.000	825.261(A)
63 Methyl Methacrylate	100	8.624	8.624	(1.056)	2000784	400.000	399.779
64 Methyl Cyclohexane	83	8.713	8.713	(1.066)	4732718	200.000	190.353
70 2-nitropropane	41	9.028	9.028	(1.105)	892046	200.000	213.626(A)
69 2-Chloroethyl vinyl ether	63	9.038	9.038	(1.106)	1888536	200.000	213.046(A)
75 Ethyl methacrylate	69	9.689	9.689	(1.186)	8363104	400.000	426.799(A)
94 cis-1,4-Dichloro-2-butene	53	11.662	11.662	(0.904)	906536	200.000	210.965(A)
98 t-1,4-Dichloro-2-butene	53	11.909	11.909	(0.924)	972020	200.000	200.661(A)
112 1,2,3-Trimethylbenzene	105	12.934	12.934	(1.003)	11776540	200.000	200.490(A)
120 Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: G5639.D

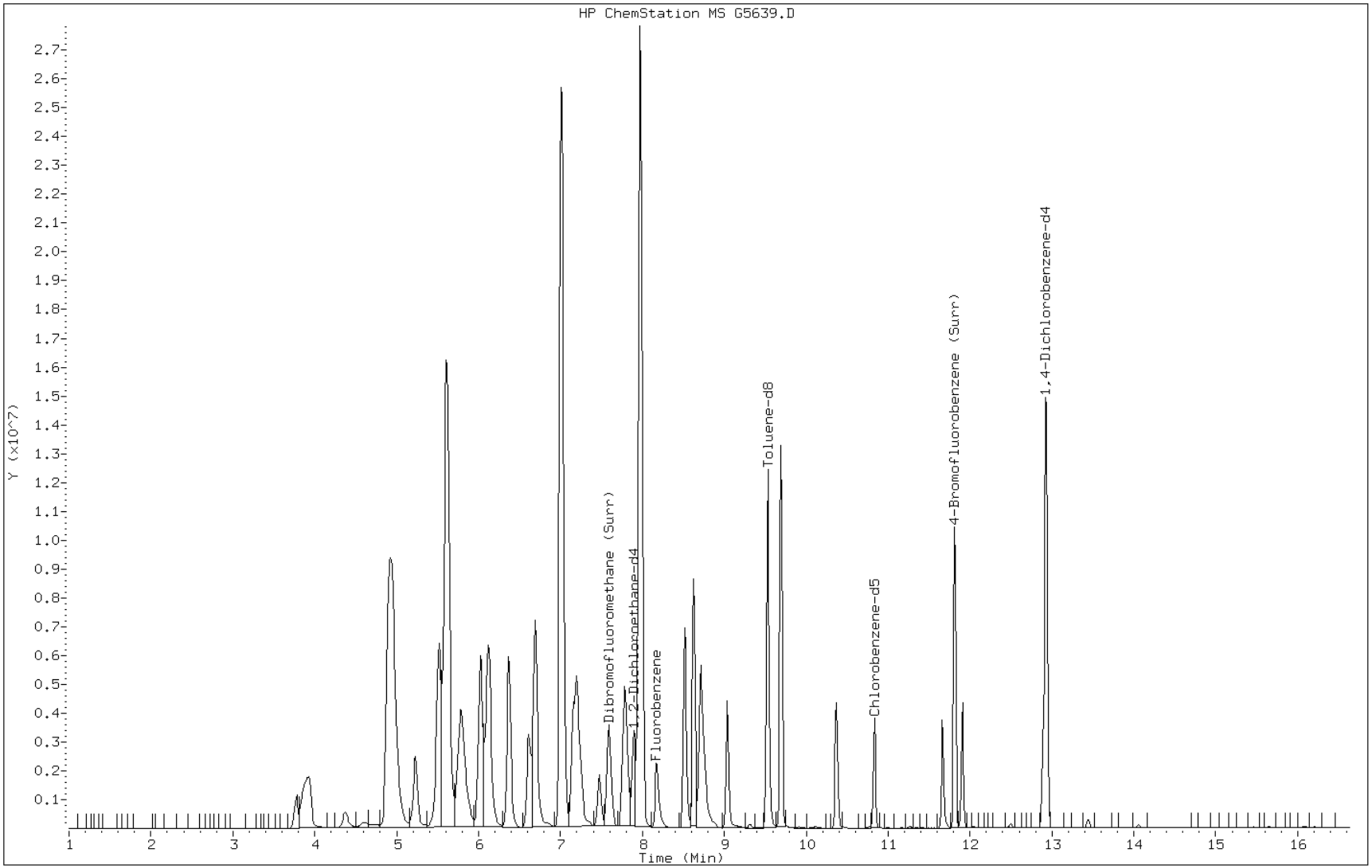
Date: 04-APR-2012 10:08

Client ID:

Instrument: G.i

Sample Info: IC,,200

Operator: HUBBSL



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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112965

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 14:26 Calibration End Date: 03/23/2012 16:19 Calibration ID: 8871

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112965/2	G2_4859.D
Level 2	IC 280-112965/3	G2_4860.D
Level 3	IC 280-112965/4	G2_4861.D
Level 4	IC 280-112965/5	G2_4862.D
Level 5	ICIS 280-112965/6	G2_4863.D
Level 6	IC 280-112965/7	G2_4864.D
Level 7	IC 280-112965/8	G2_4865.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.7569 0.6180	0.6600 0.5987	0.6160	0.5868	0.7959	Ave		0.6617				12.4		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.5568 0.4517	0.4886 0.4495	0.4571	0.4508	0.5891	Ave		0.4919				11.7		15.0			
Ethyl ether	0.1603 0.1418	0.1388 0.1261	0.1399	0.1381	0.1794	Ave		0.1464				12.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2791 0.2513	0.2459 0.2459	0.2360	0.2326	0.3223	Ave		0.2590				12.2		15.0			
Isopropyl alcohol	+++++ 0.0301	0.0296 0.0278	0.0286	0.0287	0.0359	Ave		0.0301				9.7		15.0			
Methyl acetate	0.2983 0.2609	0.2549 0.2571	0.2523	0.2514	0.3354	Ave		0.2729				11.7		15.0			
Allyl chloride	+++++ 0.5255	0.5500 0.5137	0.5165	0.5086	0.6948	Ave		0.5515				13.0		15.0			
Carbon disulfide	+++++ 1.2414	1.2396 1.2075	1.1819	1.1262	1.6172	Ave		1.2690				13.9		15.0			
Methyl tert-butyl ether	+++++ 1.0114	1.0242 0.9828	0.9780	0.9714	1.3099	Ave		1.0463				12.5		15.0			
Hexane	0.6330 0.5018	0.5184 0.5000	0.4889	0.4822	0.6691	Ave		0.5419				14.0		15.0			
Vinyl acetate	0.6973 0.5773	0.6344 +++++	0.5896	0.6028	0.7790	Ave		0.6467				12.0		15.0			
Tert-butyl ethyl ether	1.1154 0.9599	1.0148 +++++	0.9731	0.9654	1.2792	Ave		1.0513				12.0		15.0			
Ethyl acetate	0.4495 0.3799	0.3622 0.3691	0.3590	0.3675	0.4830	Ave		0.3958				12.5		15.0			
2-Butanol	0.0483 0.0413	0.0381 0.0390	0.0373	0.0388	0.0507	Ave		0.0419				12.8					

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112965

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 14:26 Calibration End Date: 03/23/2012 16:19 Calibration ID: 8871

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tetrahydrofuran	+++++ 0.1094	0.1151 0.1065	0.1071	0.1109	0.1406	Ave		0.1149				11.3		15.0			
Cyclohexane	0.7583 0.6284	0.6548 0.6093	0.6201	0.6102	0.8087	Ave		0.6699				12.0		15.0			
Tert-amyl methyl ether	1.0144 0.8853	0.9234 +++++	0.8906	0.8849	1.1731	Ave		0.9620				11.9		15.0			
2-Pentanone	0.2818 0.2384	0.2369 0.2328	0.2303	0.2325	0.3127	Ave		0.2522				12.8		15.0			
Methyl methacrylate	0.0854 0.0765	0.0745 0.0768	0.0744	0.0768	0.1021	Ave		0.0809				12.4		15.0			
Methylcyclohexane	0.7456 0.6302	0.6677 0.6043	0.6246	0.6181	0.8117	Ave		0.6718				11.6		15.0			
2-Nitropropane	+++++ 0.0727	0.0703 0.0746	0.0662	0.0650	0.0908	Ave		0.0733				12.8		15.0			
2-Chloroethyl vinyl ether	+++++ 0.1733	0.1637 0.1723	0.1620	0.1639	0.2252	Ave		0.1767				13.7		15.0			
Ethyl methacrylate	1.6181 1.4899	1.4810 1.4072	1.4414	1.4381	1.9566	Ave		1.5475				12.5		15.0			
cis-1,4-Dichloro-2-butene	0.4076 0.3453	0.3235 0.3252	0.3367	0.3344	0.4477	Ave		0.3600				13.4		15.0			
trans-1,4-Dichloro-2-butene	0.2656 0.2430	0.2224 0.2385	0.2204	0.2220	0.3140	Ave		0.2466				13.7		15.0			
Dibromofluoromethane (Surr)	+++++ 0.2976	+++++ 0.2843	0.2883	0.2810	0.3679	Ave		0.3038				12.0		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.3431	+++++ 0.3254	0.3302	0.3238	0.4266	Ave		0.3498				12.5		15.0			
Toluene-d8 (Surr)	+++++ 4.5397	+++++ 4.1524	4.4466	4.3342	5.5677	Ave		4.6081				12.1		15.0			
4-Bromofluorobenzene (Surr)	+++++ 1.0160	+++++ 0.8649	0.9870	0.9472	1.2559	Ave		1.0142				14.5		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112965

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 14:26 Calibration End Date: 03/23/2012 16:19 Calibration ID: 8871

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112965/2	G2_4859.D
Level 2	IC 280-112965/3	G2_4860.D
Level 3	IC 280-112965/4	G2_4861.D
Level 4	IC 280-112965/5	G2_4862.D
Level 5	ICIS 280-112965/6	G2_4863.D
Level 6	IC 280-112965/7	G2_4864.D
Level 7	IC 280-112965/8	G2_4865.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	47972 1997271	106207 3919672	195621	392185	1050222	2.00 100	5.00 200	10.0	20.0	50.0
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	35293 1459780	78619 2942704	145169	301282	777378	2.00 100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	10157 458414	22337 825869	44424	92308	236753	2.00 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	17688 812254	39569 1610121	74952	155468	425350	2.00 100	5.00 200	10.0	20.0	50.0
Isopropyl alcohol	FB	Ave	+++++ 1946196	95227 3645195	181591	383562	946784	+++++ 2000	100 4000	200	400	1000
Methyl acetate	FB	Ave	94523 4216723	205054 8414440	400572	840222	2213194	10.0 500	25.0 1000	50.0	100	250
Allyl chloride	FB	Ave	+++++ 1698238	88504 3363075	164039	339897	916790	+++++ 100	5.00 200	10.0	20.0	50.0
Carbon disulfide	FB	Ave	+++++ 4012046	199469 7905151	375361	752705	2134065	+++++ 100	5.00 200	10.0	20.0	50.0
Methyl tert-butyl ether	FB	Ave	+++++ 3268671	164804 6433893	310619	649249	1728509	+++++ 100	5.00 200	10.0	20.0	50.0
Hexane	FB	Ave	40122 1621674	83418 3273216	155270	322289	882874	2.00 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	88395 3731732	204168 +++++	374505	805752	2055885	4.00 200	10.0 +++++	20.0	40.0	100
Tert-butyl ethyl ether	FB	Ave	353478 15511070	816478 +++++	1545242	3226052	8439772	10.0 500	25.0 +++++	50.0	100	250
Ethyl acetate	FB	Ave	56982 2455605	116578 4832423	228057	491289	1274697	4.00 200	10.0 400	20.0	40.0	100
2-Butanol	FB	Ave	91899 4006047	183880 7662148	355832	778003	2007467	60.0 3000	150 6000	300	600	1500
Tetrahydrofuran	FB	Ave	+++++ 707073	37049 1394310	68011	148267	371002	+++++ 200	10.0 400	20.0	40.0	100

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112965

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 14:26 Calibration End Date: 03/23/2012 16:19 Calibration ID: 8871

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Cyclohexane	FB	Ave	48064 2030764	105366 3988727	196922	407817	1067101	2.00 100	5.00 200	10.0	20.0	50.0
Tert-amyl methyl ether	FB	Ave	321475 14306411	742978 +++++	1414224	2957106	7739894	10.0 500	25.0 +++++	50.0	100	250
2-Pentanone	FB	Ave	71449 3081283	152462 6095838	292505	621459	1650490	8.00 400	20.0 800	40.0	80.0	200
Methyl methacrylate	FB	Ave	10829 494730	23983 1005150	47233	102630	269575	4.00 200	10.0 400	20.0	40.0	100
Methylcyclohexane	FB	Ave	47260 2036854	107443 3956225	198367	413099	1071085	2.00 100	5.00 200	10.0	20.0	50.0
2-Nitropropane	FB	Ave	+++++ 234968	11305 488531	21014	43460	119807	+++++ 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 560097	26335 1128097	51443	109513	297181	+++++ 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	51051 2346736	118053 4454910	225321	478017	1277166	4.00 200	10.0 400	20.0	40.0	100
cis-1,4-Dichloro-2-butene	CBZ	Ave	6430 271954	12893 514685	26317	55569	146109	2.00 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	6775 301067	14444 566120	27947	59661	161394	2.00 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	+++++ 961724	+++++ 1861219	91577	187802	485533	+++++ 100	+++++ 200	10.0	20.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 1108701	+++++ 2130418	104882	216405	562910	+++++ 100	+++++ 200	10.0	20.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	+++++ 3575369	+++++ 6572662	347558	720332	1817204	+++++ 100	+++++ 200	10.0	20.0	50.0
4-Bromofluorobenzene (Surr)	DCB	Ave	+++++ 1258476	+++++ 2052643	125179	254521	645619	+++++ 100	+++++ 200	10.0	20.0	50.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\G2_4859.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 14:26
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : IC,,S002
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\8260B-soil.m
Meth Date : 26-Mar-2012 13:23 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 16:19 Cal File: G2_4865.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	1584532	50.0000	
* 87 Chlorobenzene-d5	119	10.012	10.012	(1.000)	394381	50.0000	
* 112 1,4-Dichlorobenzene-d4	152	11.864	11.864	(1.000)	637714	50.0000	
$ 51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	21806	2.00000	2.26471(a)
$ 57 1,2-Dichloroethane-d4	65	7.473	7.473	(0.965)	25812	2.00000	2.32836(aQ)
$ 75 Toluene-d8	98	8.925	8.925	(0.891)	85437	2.00000	2.35058(a)
$ 98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.917)	33983	2.00000	2.62716(a)
14 Dichlorofluoromethane	67	4.967	4.967	(0.641)	47972	2.00000	2.28752(a)
17 1,2-dichloro-1,1,2-trifluoro	117	5.219	5.219	(0.674)	22266	2.00000	2.18202(a)
18 Ethyl Ether	59	5.330	5.330	(0.688)	10157	2.00000	2.18996(a)
19 2,2-dichloro-1,1,1-trifluoro	83	5.247	5.247	(0.677)	35293	2.00000	2.26384(a)
22 2-Propanol	45	5.512	5.512	(0.712)	45225	40.0000	47.3860(Q)
23 Trichlorotrifluoroethane	151	5.498	5.498	(0.710)	17688	2.00000	2.15477(a)
27 Methyl Acetate	43	5.721	5.721	(0.739)	94523	10.0000	10.9298
28 Allyl Chloride	41	5.777	5.777	(0.746)	41960	2.00000	2.40082(a)
29 Carbon Disulfide	76	5.805	5.805	(0.750)	88742	2.00000	2.20672(a)
33 Methyl t-butyl ether	73	6.072	6.072	(0.784)	72105	2.00000	2.17464(a)
35 Hexane	57	6.279	6.279	(0.811)	40122	2.00000	2.33629(a)
36 Vinyl acetate	43	6.351	6.351	(0.820)	88395	4.00000	4.31288(a)
40 ETBE	59	6.658	6.658	(0.860)	353478	10.0000	10.6099
41 Ethyl Acetate	43	6.787	6.787	(0.876)	56982	4.00000	4.54337(aQ)
43 2-Butanol	45	6.837	6.837	(0.883)	91899	60.0000	69.1362

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
50 Tetrahydrofuran	42	7.087	7.087	(0.915)	17730	4.00000	4.86802(a)
54 Cyclohexane	56	7.373	7.373	(0.952)	48064	2.00000	2.26385(a)
59 TAME	73	7.559	7.559	(0.976)	321475	10.0000	10.5453
64 2-Pentanone	43	8.053	8.053	(1.040)	71449	8.00000	8.94052
65 Methyl Methacrylate	100	8.153	8.153	(1.053)	10829	4.00000	4.22208(a)
67 Methyl Cyclohexane	83	8.238	8.238	(1.064)	47260	2.00000	2.22001(a)
71 2-nitropropane	41	8.510	8.510	(1.099)	5144	2.00000	2.21564(a)
72 2-Chloroethyl vinyl ether	63	8.510	8.510	(1.099)	10978	2.00000	1.96023(a)
77 Ethyl methacrylate	69	9.054	9.054	(0.904)	51051	4.00000	4.18253(a)
96 cis-1,4-Dichloro-2-butene	53	10.748	10.748	(1.074)	6430	2.00000	2.26420(aH)
100 t-1,4-Dichloro-2-butene	53	10.963	10.963	(0.924)	6775	2.00000	2.15447(aQ)
114 1,2,3-Trimethylbenzene	105	11.892	11.892	(1.002)	86590	2.00000	2.15146(aQ)
122 Tetralin	104	Compound Not Detected.					

QC Flag Legend

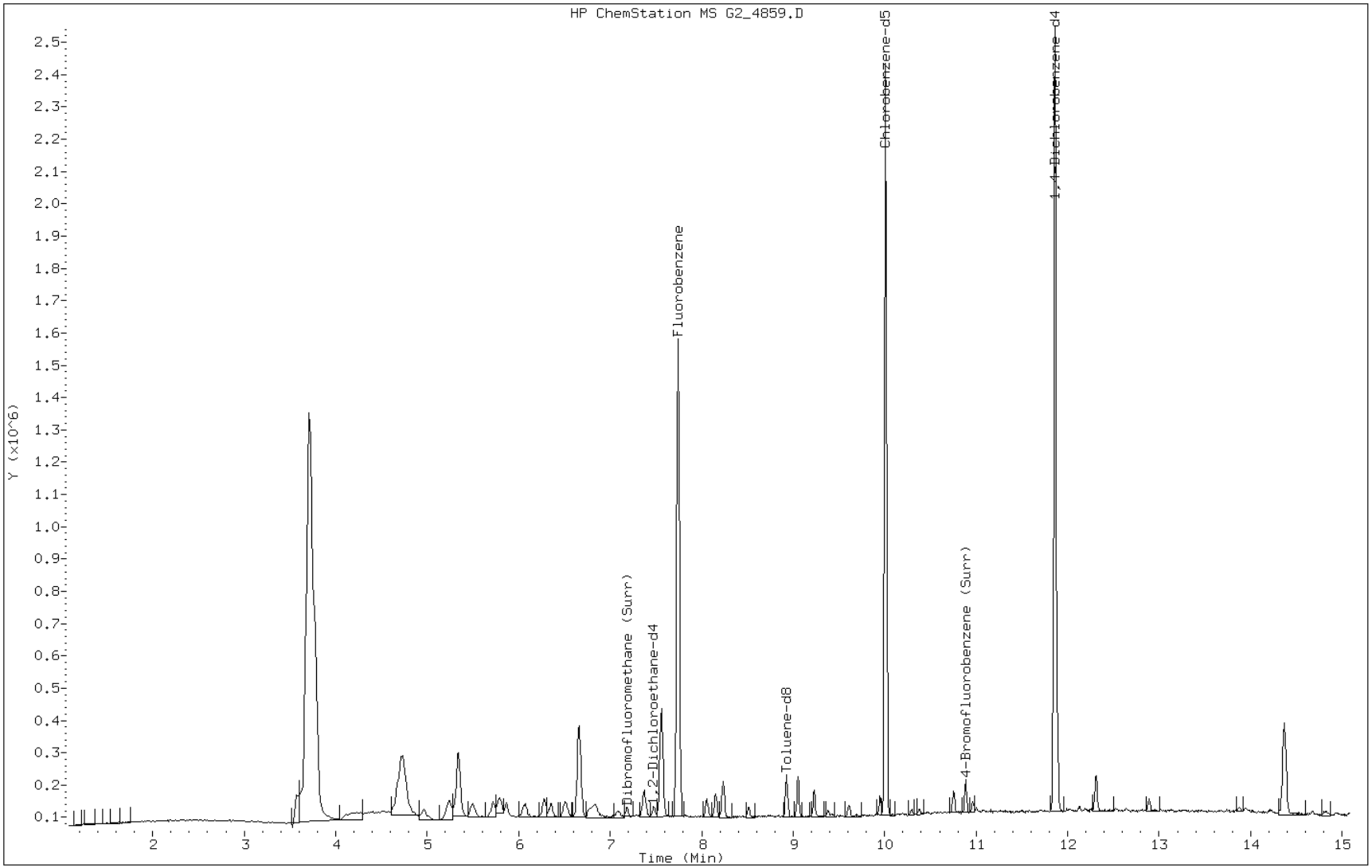
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4859.D

Date: 23-MAR-2012 14:26

Client ID: Instrument: GCMS2.i

Sample Info: IC,,S002 Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\G2_4860.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 14:45
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : IC,,S005
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\8260B-soil.m
Meth Date : 26-Mar-2012 13:23 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 14:26 Cal File: G2_4859.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	1609151	50.0000	
* 87 Chlorobenzene-d5	119	10.012	10.012	(1.000)	398552	50.0000	
* 112 1,4-Dichlorobenzene-d4	152	11.864	11.864	(1.000)	649582	50.0000	
$ 51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	47424	5.00000	4.84996(a)
$ 57 1,2-Dichloroethane-d4	65	7.480	7.480	(0.966)	56138	5.00000	4.98643(aQ)
$ 75 Toluene-d8	98	8.932	8.932	(0.892)	187045	5.00000	5.09220
$ 98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.917)	69063	5.00000	5.24157
14 Dichlorofluoromethane	67	4.967	4.967	(0.641)	106207	5.00000	4.98694(a)
17 1,2-dichloro-1,1,2-trifluoro	117	5.219	5.219	(0.674)	50174	5.00000	4.84171(a)
18 Ethyl Ether	59	5.344	5.344	(0.690)	22337	5.00000	4.74242(a)
19 2,2-dichloro-1,1,1-trifluoro	83	5.260	5.260	(0.679)	78619	5.00000	4.96581(a)
22 2-Propanol	45	5.512	5.512	(0.712)	95227	100.000	98.2507(Q)
23 Trichlorotrifluoroethane	151	5.498	5.498	(0.710)	39569	5.00000	4.74660(a)
27 Methyl Acetate	43	5.721	5.721	(0.739)	205054	25.0000	23.3479
28 Allyl Chloride	41	5.777	5.777	(0.746)	88504	5.00000	4.98644(a)
29 Carbon Disulfide	76	5.805	5.805	(0.750)	199469	5.00000	4.88424(a)
33 Methyl t-butyl ether	73	6.065	6.065	(0.783)	164804	5.00000	4.89433(a)
35 Hexane	57	6.286	6.286	(0.812)	83418	5.00000	4.78309(a)
36 Vinyl acetate	43	6.358	6.358	(0.821)	204168	10.0000	9.80915
40 ETBE	59	6.658	6.658	(0.860)	816478	25.0000	24.1322
41 Ethyl Acetate	43	6.780	6.780	(0.875)	116578	10.0000	9.15295(Q)
43 2-Butanol	45	6.837	6.837	(0.883)	183880	150.000	136.218

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
50 Tetrahydrofuran	42	7.087	7.087	(0.915)	37049	10.0000	10.0167
54 Cyclohexane	56	7.373	7.373	(0.952)	105366	5.00000	4.88688(a)
59 TAME	73	7.559	7.559	(0.976)	742978	25.0000	23.9989
64 2-Pentanone	43	8.052	8.052	(1.040)	152462	20.0000	18.7859
65 Methyl Methacrylate	100	8.153	8.153	(1.053)	23983	10.0000	9.20758
67 Methyl Cyclohexane	83	8.238	8.238	(1.064)	107443	5.00000	4.96984(a)
71 2-nitropropane	41	8.503	8.503	(1.098)	11305	5.00000	4.79483(a)
72 2-Chloroethyl vinyl ether	63	8.510	8.510	(1.099)	26335	5.00000	4.63043(a)
77 Ethyl methacrylate	69	9.053	9.053	(0.904)	118053	10.0000	9.57069
96 cis-1,4-Dichloro-2-butene	53	10.748	10.748	(1.074)	12893	5.00000	4.49250(aH)
100 t-1,4-Dichloro-2-butene	53	10.963	10.963	(0.924)	14444	5.00000	4.50932(a)
114 1,2,3-Trimethylbenzene	105	11.892	11.892	(1.002)	198979	5.00000	4.85361(a)
122 Tetralin	104	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4860.D

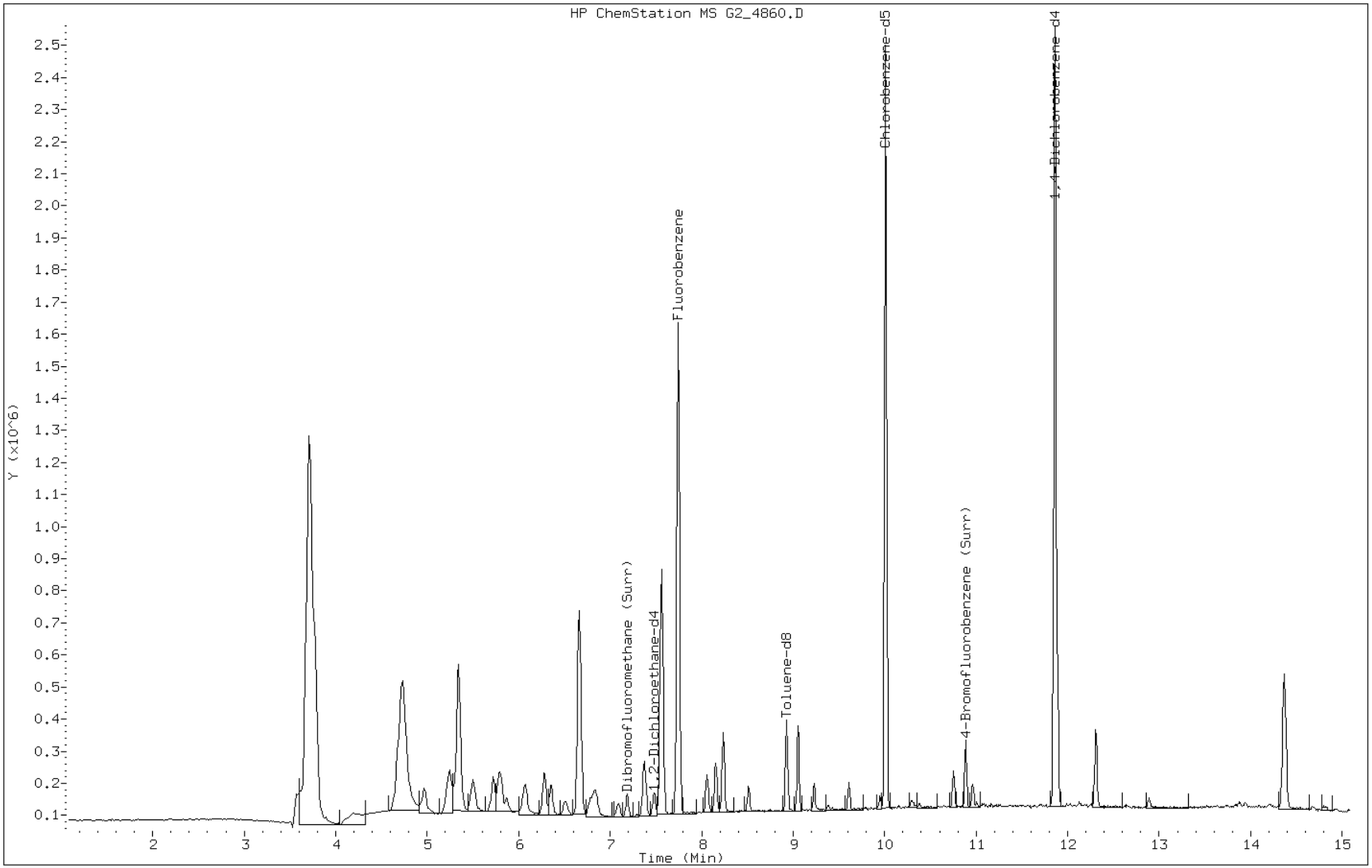
Date: 23-MAR-2012 14:45

Client ID:

Instrument: GCMS2.i

Sample Info: IC,,S005

Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\G2_4861.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 15:04
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : IC,,S010
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\8260B-soil.m
Meth Date : 26-Mar-2012 13:23 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 14:45 Cal File: G2_4860.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	1587952	50.0000	
* 87 Chlorobenzene-d5	119	10.012	10.012	(1.000)	390812	50.0000	
* 112 1,4-Dichlorobenzene-d4	152	11.863	11.863	(1.000)	634134	50.0000	
$ 51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	91577	10.0000	9.49044
$ 57 1,2-Dichloroethane-d4	65	7.480	7.480	(0.966)	104882	10.0000	9.44047(H)
$ 75 Toluene-d8	98	8.925	8.925	(0.891)	347558	10.0000	9.64949
$ 98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.917)	125179	10.0000	9.73197
14 Dichlorofluoromethane	67	4.967	4.967	(0.641)	195621	10.0000	9.30799(a)
17 1,2-dichloro-1,1,2-trifluoro	117	5.219	5.219	(0.674)	97073	10.0000	9.49244
18 Ethyl Ether	59	5.330	5.330	(0.688)	44424	10.0000	9.55768(a)
19 2,2-dichloro-1,1,1-trifluoro	83	5.246	5.246	(0.677)	145169	10.0000	9.29171
22 2-Propanol	45	5.498	5.498	(0.710)	181591	200.000	189.858
23 Trichlorotrifluoroethane	151	5.498	5.498	(0.710)	74952	10.0000	9.11108
27 Methyl Acetate	43	5.721	5.721	(0.739)	400572	50.0000	46.2189
28 Allyl Chloride	41	5.777	5.777	(0.746)	164039	10.0000	9.36557
29 Carbon Disulfide	76	5.805	5.805	(0.750)	375361	10.0000	9.31387
33 Methyl t-butyl ether	73	6.065	6.065	(0.783)	310619	10.0000	9.34788
35 Hexane	57	6.279	6.279	(0.811)	155270	10.0000	9.02186
36 Vinyl acetate	43	6.351	6.351	(0.820)	374505	20.0000	18.2331
40 ETBE	59	6.658	6.658	(0.860)	1545242	50.0000	46.2816
41 Ethyl Acetate	43	6.780	6.780	(0.875)	228057	20.0000	18.1446
43 2-Butanol	45	6.837	6.837	(0.883)	355832	300.000	267.118

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
50 Tetrahydrofuran	42	7.087	7.087	(0.915)	68011	20.0000	18.6331
54 Cyclohexane	56	7.373	7.373	(0.952)	196922	10.0000	9.25518
59 TAME	73	7.559	7.559	(0.976)	1414224	50.0000	46.2907
64 2-Pentanone	43	8.052	8.052	(1.040)	292505	40.0000	36.5228
65 Methyl Methacrylate	100	8.153	8.153	(1.053)	47233	20.0000	18.3758
67 Methyl Cyclohexane	83	8.238	8.238	(1.064)	198367	10.0000	9.29809
71 2-nitropropane	41	8.510	8.510	(1.099)	21014	10.0000	9.03172
72 2-Chloroethyl vinyl ether	63	8.510	8.510	(1.099)	51443	10.0000	9.16587
77 Ethyl methacrylate	69	9.053	9.053	(0.904)	225321	20.0000	18.6288
96 cis-1,4-Dichloro-2-butene	53	10.748	10.748	(1.074)	26317	10.0000	9.35164(H)
100 t-1,4-Dichloro-2-butene	53	10.963	10.963	(0.924)	27947	10.0000	8.93740
114 1,2,3-Trimethylbenzene	105	11.885	11.885	(1.002)	364794	10.0000	9.11504
122 Tetralin	104	Compound Not Detected.					

QC Flag Legend

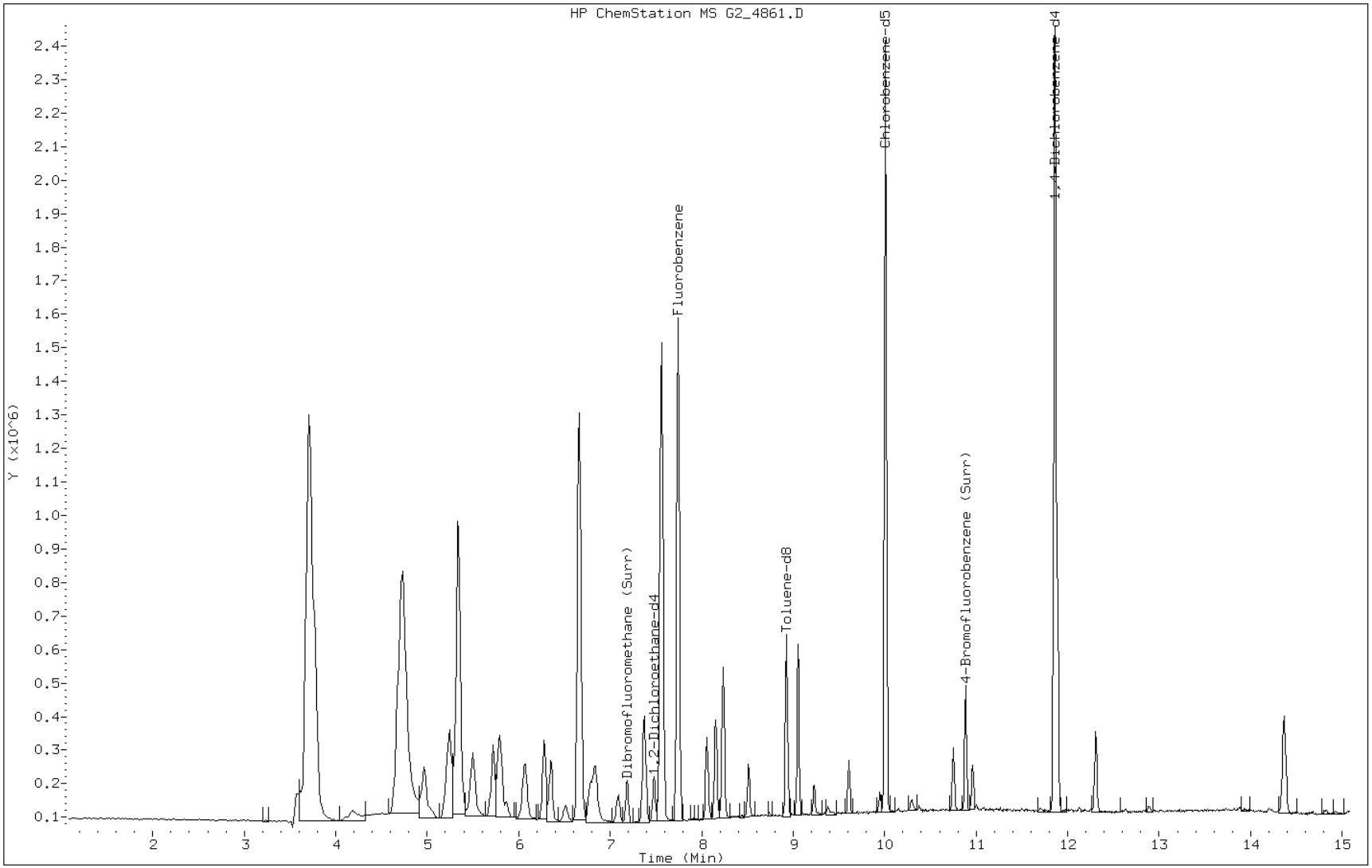
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: G2_4861.D

Date: 23-MAR-2012 15:04

Client ID: Instrument: GCMS2.i

Sample Info: IC,,S010 Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\G2_4862.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 15:23
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : IC,,S020
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\8260B-soil.m
Meth Date : 26-Mar-2012 13:23 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 15:04 Cal File: G2_4861.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	1670880	50.0000	
* 87 Chlorobenzene-d5	119	10.012	10.012	(1.000)	415492	50.0000	
* 112 1,4-Dichlorobenzene-d4	152	11.864	11.864	(1.000)	671780	50.0000	
$ 51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	187802	20.0000	18.4966
$ 57 1,2-Dichloroethane-d4	65	7.480	7.480	(0.966)	216405	20.0000	18.5119
$ 75 Toluene-d8	98	8.932	8.932	(0.892)	720332	20.0000	18.8111
$ 98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.917)	254521	20.0000	18.6787
14 Dichlorofluoromethane	67	4.967	4.967	(0.641)	392185	20.0000	17.7347
17 1,2-dichloro-1,1,2-trifluoro	117	5.233	5.233	(0.676)	198146	20.0000	18.4144
18 Ethyl Ether	59	5.344	5.344	(0.690)	92308	20.0000	18.8741
19 2,2-dichloro-1,1,1-trifluoro	83	5.260	5.260	(0.679)	301282	20.0000	18.3268
22 2-Propanol	45	5.512	5.512	(0.712)	383562	400.000	381.121
23 Trichlorotrifluoroethane	151	5.498	5.498	(0.710)	155468	20.0000	17.9606
27 Methyl Acetate	43	5.721	5.721	(0.739)	840222	100.000	92.1351
28 Allyl Chloride	41	5.777	5.777	(0.746)	339897	20.0000	18.4428
29 Carbon Disulfide	76	5.805	5.805	(0.750)	752705	20.0000	17.7500
33 Methyl t-butyl ether	73	6.072	6.072	(0.784)	649249	20.0000	18.5690
35 Hexane	57	6.286	6.286	(0.812)	322289	20.0000	17.7970
36 Vinyl acetate	43	6.358	6.358	(0.821)	805752	40.0000	37.2818
40 ETBE	59	6.665	6.665	(0.861)	3226052	100.000	91.8281
41 Ethyl Acetate	43	6.787	6.787	(0.876)	491289	40.0000	37.1478
43 2-Butanol	45	6.837	6.837	(0.883)	778003	600.000	555.049

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
50 Tetrahydrofuran	42	7.094	7.094	(0.916)	148267	40.0000	38.6050
54 Cyclohexane	56	7.380	7.380	(0.953)	407817	20.0000	18.2158
59 TAME	73	7.566	7.566	(0.977)	2957106	100.000	91.9887
64 2-Pentanone	43	8.060	8.060	(1.041)	621459	80.0000	73.7454
65 Methyl Methacrylate	100	8.153	8.153	(1.053)	102630	40.0000	37.9462
67 Methyl Cyclohexane	83	8.238	8.238	(1.064)	413099	20.0000	18.4022
71 2-nitropropane	41	8.510	8.510	(1.099)	43460	20.0000	17.7518
72 2-Chloroethyl vinyl ether	63	8.517	8.517	(1.100)	109513	20.0000	18.5441
77 Ethyl methacrylate	69	9.054	9.054	(0.904)	478017	40.0000	37.1734
96 cis-1,4-Dichloro-2-butene	53	10.748	10.748	(1.074)	55569	20.0000	18.5733(H)
100 t-1,4-Dichloro-2-butene	53	10.963	10.963	(0.924)	59661	20.0000	18.0103
114 1,2,3-Trimethylbenzene	105	11.885	11.885	(1.002)	733291	20.0000	17.2958
122 Tetralin	104	Compound Not Detected.					

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: G2_4862.D

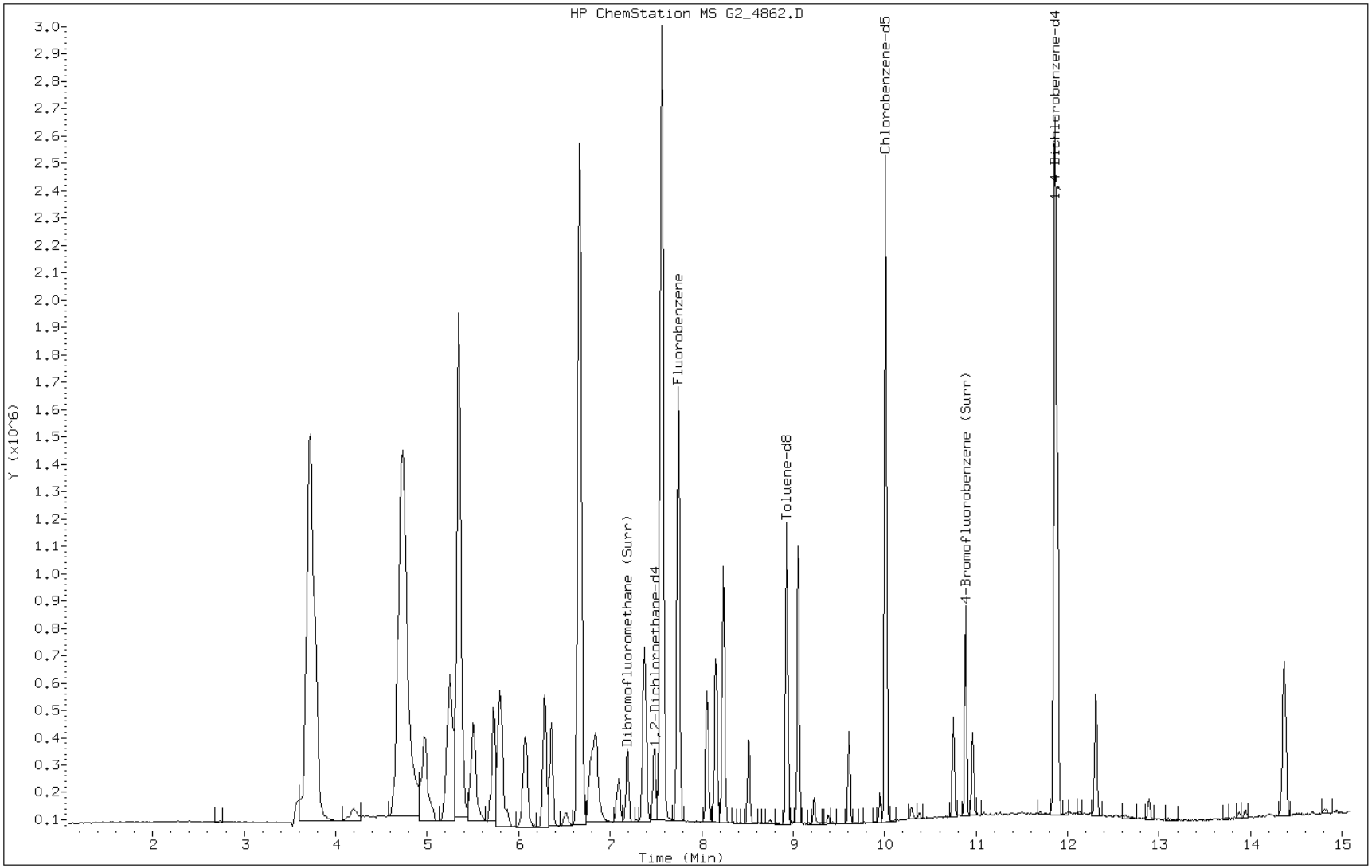
Date: 23-MAR-2012 15:23

Client ID:

Instrument: GCMS2.i

Sample Info: IC,,S020

Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\G2_4863.D
Lab Smp Id: ICIS
Inj Date : 23-MAR-2012 15:41
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : ICIS,,S050
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\8260B-soil.m
Meth Date : 26-Mar-2012 13:23 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 15:23 Cal File: G2_4862.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	1319585	50.0000	
* 87 Chlorobenzene-d5	119	10.011	10.011	(1.000)	326381	50.0000	
* 112 1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	514075	50.0000	
$ 51 Dibromofluoromethane (Surr)	111	7.194	7.194	(0.929)	485533	50.0000	60.5506
$ 57 1,2-Dichloroethane-d4	65	7.487	7.487	(0.967)	562910	50.0000	60.9722
$ 75 Toluene-d8	98	8.932	8.932	(0.892)	1817204	50.0000	60.4120
$ 98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.918)	645619	50.0000	61.9156
14 Dichlorofluoromethane	67	4.981	4.981	(0.643)	1050222	50.0000	60.1342
17 1,2-dichloro-1,1,2-trifluoro	117	5.232	5.232	(0.676)	512743	50.0000	60.3364
18 Ethyl Ether	59	5.344	5.344	(0.690)	236753	50.0000	61.2958
19 2,2-dichloro-1,1,1-trifluoro	83	5.260	5.260	(0.679)	777378	50.0000	59.8762
22 2-Propanol	45	5.512	5.512	(0.712)	946784	1000.00	1191.20
23 Trichlorotrifluoroethane	151	5.512	5.512	(0.712)	425350	50.0000	62.2204
27 Methyl Acetate	43	5.721	5.721	(0.739)	2213194	250.000	307.297
28 Allyl Chloride	41	5.791	5.791	(0.748)	916790	50.0000	62.9879
29 Carbon Disulfide	76	5.819	5.819	(0.751)	2134065	50.0000	63.7219
33 Methyl t-butyl ether	73	6.072	6.072	(0.784)	1728509	50.0000	62.5975
35 Hexane	57	6.286	6.286	(0.812)	882874	50.0000	61.7316
36 Vinyl acetate	43	6.358	6.358	(0.821)	2055885	100.000	120.449
40 ETBE	59	6.665	6.665	(0.861)	8439772	250.000	304.188
41 Ethyl Acetate	43	6.787	6.787	(0.876)	1274697	100.000	122.042
43 2-Butanol	45	6.844	6.844	(0.884)	2007467	1500.00	1813.45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
50 Tetrahydrofuran	42	7.094	7.094	(0.916)	371002	100.000	122.316
54 Cyclohexane	56	7.380	7.380	(0.953)	1067101	50.0000	60.3526
59 TAME	73	7.566	7.566	(0.977)	7739894	250.000	304.867
64 2-Pentanone	43	8.059	8.059	(1.041)	1650490	200.000	247.995
65 Methyl Methacrylate	100	8.160	8.160	(1.054)	269575	100.000	126.206
67 Methyl Cyclohexane	83	8.238	8.238	(1.064)	1071085	50.0000	60.4155
71 2-nitropropane	41	8.510	8.510	(1.099)	119807	50.0000	61.9647
72 2-Chloroethyl vinyl ether	63	8.517	8.517	(1.100)	297181	50.0000	63.7190
77 Ethyl methacrylate	69	9.053	9.053	(0.904)	1277166	100.000	126.437
96 cis-1,4-Dichloro-2-butene	53	10.748	10.748	(1.074)	146109	50.0000	62.1686(H)
100 t-1,4-Dichloro-2-butene	53	10.962	10.962	(0.925)	161394	50.0000	63.6676
114 1,2,3-Trimethylbenzene	105	11.885	11.885	(1.002)	1963093	50.0000	60.5071
122 Tetralin	104	Compound Not Detected.					

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: G2_4863.D

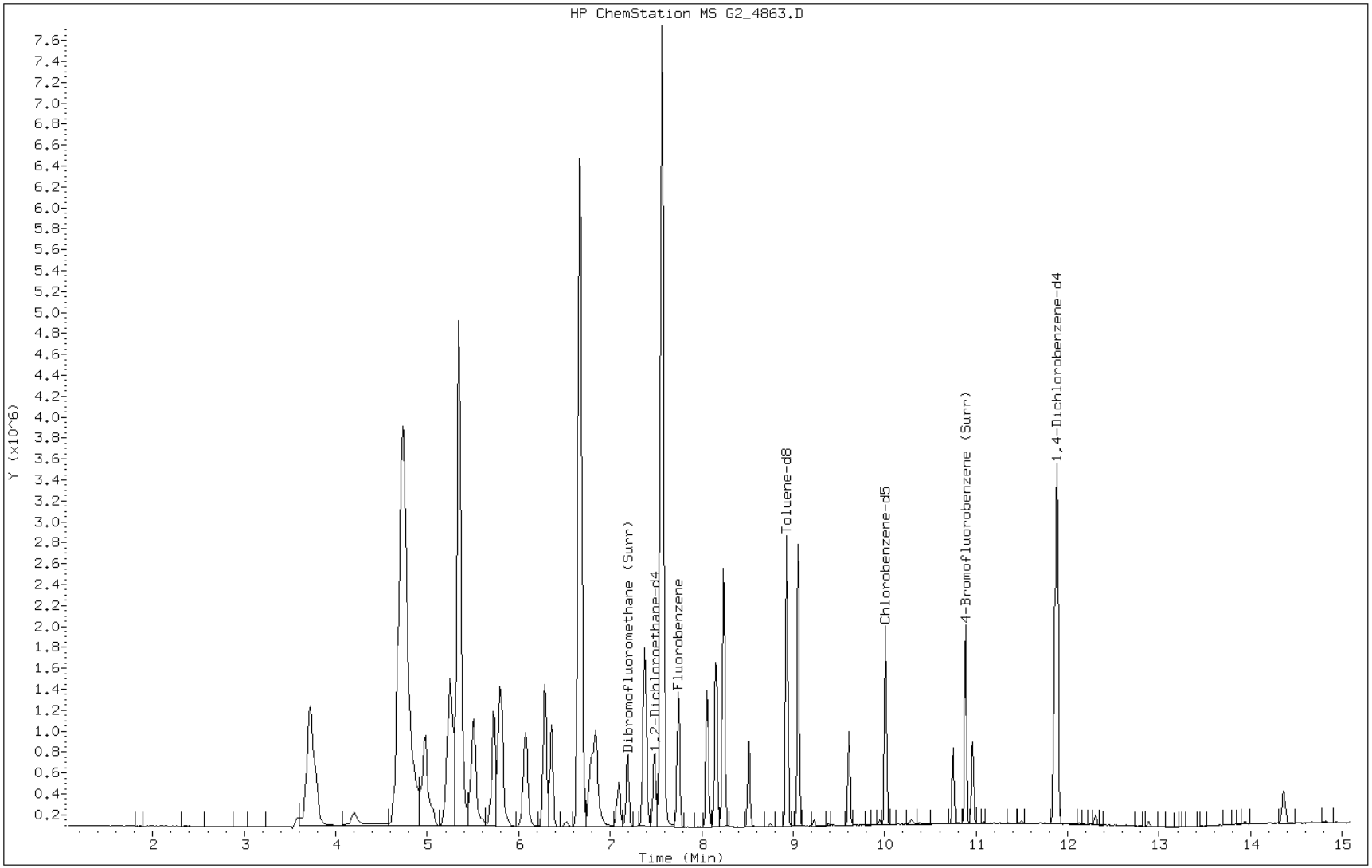
Date: 23-MAR-2012 15:41

Client ID:

Instrument: GCMS2.i

Sample Info: ICIS,,S050

Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\G2_4864.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 16:00
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : IC,,S100
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\8260B-soil.m
Meth Date : 26-Mar-2012 13:23 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 15:41 Cal File: G2_4863.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	1615939	50.0000	
* 87 Chlorobenzene-d5	119	10.004	10.004	(1.000)	393786	50.0000	
* 112 1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	619355	50.0000	
$ 51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	961724	100.000	97.9406
$ 57 1,2-Dichloroethane-d4	65	7.480	7.480	(0.966)	1108701	100.000	98.0662
$ 75 Toluene-d8	98	8.925	8.925	(0.892)	3575369	100.000	98.5157
$ 98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.918)	1258476	100.000	100.174
14 Dichlorofluoromethane	67	4.967	4.967	(0.641)	1997271	100.000	93.3877
17 1,2-dichloro-1,1,2-trifluoro	117	5.218	5.218	(0.674)	970837	100.000	93.2906
18 Ethyl Ether	59	5.330	5.330	(0.688)	458414	100.000	96.9182
19 2,2-dichloro-1,1,1-trifluoro	83	5.260	5.260	(0.679)	1459780	100.000	91.8167
22 2-Propanol	45	5.498	5.498	(0.710)	1946196	2000.00	1999.56
23 Trichlorotrifluoroethane	151	5.498	5.498	(0.710)	812254	100.000	97.0266
27 Methyl Acetate	43	5.721	5.721	(0.739)	4216723	500.000	478.108
28 Allyl Chloride	41	5.777	5.777	(0.746)	1698238	100.000	95.2792
29 Carbon Disulfide	76	5.805	5.805	(0.750)	4012046	100.000	97.8272
33 Methyl t-butyl ether	73	6.072	6.072	(0.784)	3268671	100.000	96.6649
35 Hexane	57	6.279	6.279	(0.811)	1621674	100.000	92.5943
36 Vinyl acetate	43	6.351	6.351	(0.820)	3731732	200.000	178.536
40 ETBE	59	6.665	6.665	(0.861)	15511070	500.000	456.527
41 Ethyl Acetate	43	6.780	6.780	(0.875)	2455605	200.000	191.988
43 2-Butanol	45	6.830	6.830	(0.882)	4006047	3000.00	2955.20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
50 Tetrahydrofuran	42	7.087	7.087	(0.915)	707073	200.000	190.363
54 Cyclohexane	56	7.373	7.373	(0.952)	2030764	100.000	93.7913
59 TAME	73	7.559	7.559	(0.976)	14306411	500.000	460.170
64 2-Pentanone	43	8.052	8.052	(1.040)	3081283	400.000	378.072
65 Methyl Methacrylate	100	8.152	8.152	(1.053)	494730	200.000	189.139
67 Methyl Cyclohexane	83	8.238	8.238	(1.064)	2036854	100.000	93.8202
71 2-nitropropane	41	8.510	8.510	(1.099)	234968	100.000	99.2392
72 2-Chloroethyl vinyl ether	63	8.510	8.510	(1.099)	560097	100.000	98.0671
77 Ethyl methacrylate	69	9.053	9.053	(0.905)	2346736	200.000	192.555
96 cis-1,4-Dichloro-2-butene	53	10.748	10.748	(1.074)	271954	100.000	95.9079(H)
100 t-1,4-Dichloro-2-butene	53	10.955	10.955	(0.924)	301067	100.000	98.5782
114 1,2,3-Trimethylbenzene	105	11.885	11.885	(1.002)	3780286	100.000	96.7112
122 Tetralin	104	Compound Not Detected.					

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: G2_4864.D

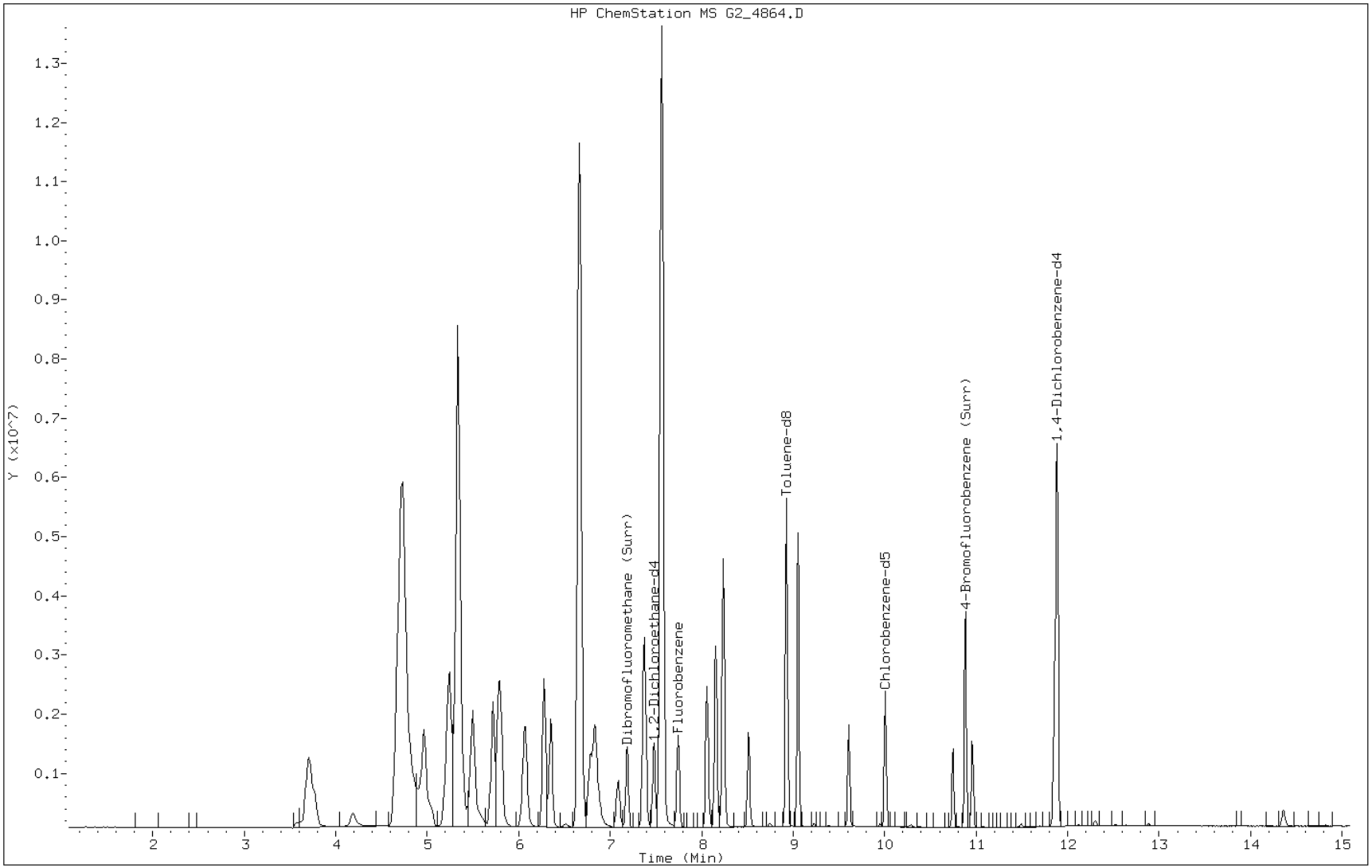
Date: 23-MAR-2012 16:00

Client ID:

Instrument: GCMS2.i

Sample Info: IC,,S100

Operator: REINHARDT



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\G2_4865.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 16:19
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : IC,,S200
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\8260B-soil.m
Meth Date : 26-Mar-2012 13:23 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 16:00 Cal File: G2_4864.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	1636684	50.0000	
* 87 Chlorobenzene-d5	119	10.012	10.012	(1.000)	395717	50.0000	
* 112 1,4-Dichlorobenzene-d4	152	11.864	11.864	(1.000)	593306	50.0000	(Q)
$ 51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	1861219	200.000	187.141
$ 57 1,2-Dichloroethane-d4	65	7.481	7.481	(0.966)	2130418	200.000	186.050
$ 75 Toluene-d8	98	8.932	8.932	(0.892)	6572662	200.000	180.219
$ 98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.917)	2052643	200.000	170.563
14 Dichlorofluoromethane	67	4.967	4.967	(0.641)	3919672	200.000	180.952
17 1,2-dichloro-1,1,2-trifluoro	117	5.233	5.233	(0.676)	1962696	200.000	186.211
18 Ethyl Ether	59	5.330	5.330	(0.688)	825869	200.000	172.393
19 2,2-dichloro-1,1,1-trifluoro	83	5.261	5.261	(0.679)	2942704	200.000	182.743
22 2-Propanol	45	5.512	5.512	(0.712)	3645195	4000.00	3697.67
23 Trichlorotrifluoroethane	151	5.498	5.498	(0.710)	1610121	200.000	189.897
27 Methyl Acetate	43	5.721	5.721	(0.739)	8414440	1000.00	941.969
28 Allyl Chloride	41	5.777	5.777	(0.746)	3363075	200.000	186.293
29 Carbon Disulfide	76	5.805	5.805	(0.750)	7905151	200.000	190.311
33 Methyl t-butyl ether	73	6.072	6.072	(0.784)	6433893	200.000	187.859
35 Hexane	57	6.279	6.279	(0.811)	3273216	200.000	184.525
36 Vinyl acetate	43	6.358	6.358	(0.821)	6167451	400.000	291.327(A)
40 ETBE	59	6.665	6.665	(0.861)	27951670	1000.00	812.255
41 Ethyl Acetate	43	6.787	6.787	(0.876)	4832423	400.000	373.028
43 2-Butanol	45	6.837	6.837	(0.883)	7662148	6000.00	5580.60

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
50 Tetrahydrofuran	42	7.094	7.094	(0.916)	1394310	400.000	370.628
54 Cyclohexane	56	7.373	7.373	(0.952)	3988727	200.000	181.885
59 TAME	73	7.566	7.566	(0.977)	25222337	1000.00	801.002
64 2-Pentanone	43	8.060	8.060	(1.041)	6095838	800.000	738.476
65 Methyl Methacrylate	100	8.153	8.153	(1.053)	1005150	400.000	379.406
67 Methyl Cyclohexane	83	8.238	8.238	(1.064)	3956225	200.000	179.919
71 2-nitropropane	41	8.510	8.510	(1.099)	488531	200.000	203.717(A)
72 2-Chloroethyl vinyl ether	63	8.517	8.517	(1.100)	1128097	200.000	195.014
77 Ethyl methacrylate	69	9.054	9.054	(0.904)	4454910	400.000	363.752
96 cis-1,4-Dichloro-2-butene	53	10.748	10.748	(1.074)	514685	200.000	180.624(H)
100 t-1,4-Dichloro-2-butene	53	10.963	10.963	(0.924)	566120	200.000	193.503
114 1,2,3-Trimethylbenzene	105	11.892	11.892	(1.002)	5694438	200.000	152.077
122 Tetralin	104	Compound Not Detected.					

QC Flag Legend

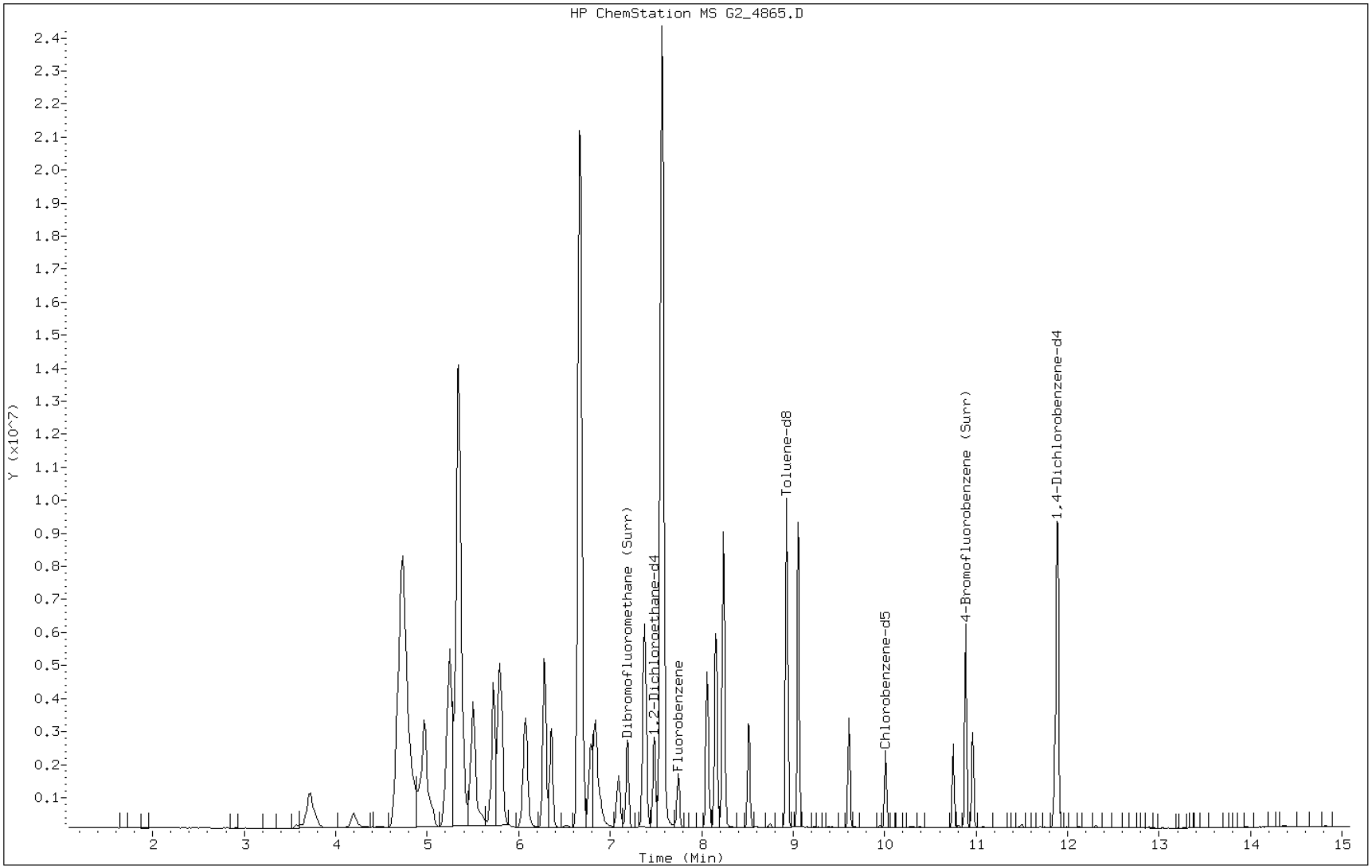
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4865.D

Date: 23-MAR-2012 16:19

Client ID: Instrument: GCMS2.i

Sample Info: IC,,S200 Operator: REINHARDT



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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112941

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 20:56 Calibration End Date: 03/23/2012 23:47 Calibration ID: 8869

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112941/2	G2_4868.D
Level 2	IC 280-112941/3	G2_4869.D
Level 3	IC 280-112941/4	G2_4870.D
Level 4	IC 280-112941/5	G2_4871.D
Level 5	IC 280-112941/6	G2_4872.D
Level 6	IC 280-112941/7	G2_4873.D
Level 7	IC 280-112941/8	G2_4874.D
Level 8	IC 280-112941/9	G2_4875.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethene, Total	+++++ 0.3462	0.3563 0.3410	0.3226 0.3290	0.3191	0.3173	Ave		0.3331				4.5		15.0			
Xylenes, Total	2.7629 2.3954	2.4022 2.3834	2.1797 2.3190	2.2006	2.1836	Ave		2.3533				8.1		15.0			
Dichlorodifluoromethane	+++++ 0.4359	+++++ 0.4007	0.2767 0.4042	0.2755	0.2677	Lin1	0.0534	0.4145							0.9938		0.9900
Chloromethane	+++++ 0.3823	+++++ 0.3460	0.3153 0.3498	0.3055	0.2908	Ave		0.3316			0.1000	10.2		15.0			
Vinyl chloride	+++++ 0.4569	+++++ 0.4094	0.3627 0.4122	0.3589	0.3454	Ave		0.3909				10.9		30.0			
Ethanol	+++++ 0.0034	+++++ 0.0041	0.0046 0.0039	0.0028	0.0036	Lin1	0.6443	0.0039							0.9937		0.9900
Bromomethane	+++++ 0.3162	+++++ 0.2535	0.2709 0.2150	0.2607	0.2569	Ave		0.2622				12.5		15.0			
Chloroethane	+++++ 0.2934	+++++ 0.2527	0.2628 0.2278	0.2544	0.2402	Ave		0.2552				8.8		15.0			
Trichlorofluoromethane	+++++ 0.5513	0.5118 0.5009	0.4589 0.5003	0.4542	0.4453	Ave		0.4890				7.8		15.0			
Acrolein	+++++ 0.0558	0.0601 0.0522	0.0520 0.0534	0.0506	0.0518	Ave		0.0537				6.0		15.0			
Acetone	+++++ 0.0999	+++++ 0.0911	0.1236 0.0927	0.0967	0.0995	Ave		0.1006				11.8		15.0			
1,1-Dichloroethene	+++++ 0.3227	0.3217 0.3099	0.2852 0.3006	0.2942	0.2808	Ave		0.3021				5.5		30.0			
Iodomethane	+++++ 0.4812	+++++ 0.4723	0.4298 0.4539	0.4396	0.4278	Ave		0.4508				5.0		15.0			
Acetonitrile	+++++ 0.0321	+++++ 0.0390	0.0395 0.0350	0.0350	0.0399	Ave		0.0368				8.6		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112941

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 20:56 Calibration End Date: 03/23/2012 23:47 Calibration ID: 8869

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	+++++ 0.0318	0.0394 0.0355	0.0395 0.0339	0.0356	0.0363	Ave		0.0360				7.8		15.0			
Methylene Chloride	+++++ 0.3520	+++++ 0.3406	0.5181 0.3243	0.4148	0.3590	Lin1	-0.058	0.3242							0.9995		0.9900
Acrylonitrile	+++++ 0.0979	0.1277 0.1041	0.1157 0.0974	0.1139	0.1082	Ave		0.1093				9.9		15.0			
trans-1,2-Dichloroethene	+++++ 0.3405	0.3508 0.3332	0.3135 0.3204	0.3085	0.3062	Ave		0.3247				5.3		15.0			
Isopropyl ether	+++++ 0.2756	0.2786 0.2766	0.2698 0.2670	0.2683	0.2655	Ave		0.2716				1.9		15.0			
1,1-Dichloroethane	+++++ 0.5948	0.6155 0.5883	0.5557 0.5680	0.5611	0.5538	Ave		0.5767			0.1000	4.0		15.0			
2-Chloro-1,3-butadiene	+++++ 0.5165	0.5210 0.5028	0.4602 0.4879	0.4651	0.4596	Ave		0.4876				5.4		15.0			
2-Butanone (MEK)	+++++ 0.1459	+++++ 0.1331	0.1467 0.1366	0.1339	0.1443	Ave		0.1401				4.4		15.0			
Propionitrile	+++++ 0.0402	0.0456 0.0416	0.0420 0.0404	0.0402	0.0425	Ave		0.0418				4.6		15.0			
cis-1,2-Dichloroethene	+++++ 0.3520	0.3618 0.3488	0.3317 0.3375	0.3297	0.3284	Ave		0.3414				3.8		15.0			
2,2-Dichloropropane	+++++ 0.5368	0.5219 0.5201	0.4734 0.5037	0.4689	0.4657	Ave		0.4986				5.8		15.0			
Methacrylonitrile	+++++ 0.1625	0.1747 0.1646	0.1665 0.1567	0.1619	0.1709	Ave		0.1654				3.6		15.0			
Chlorobromomethane	+++++ 0.1533	0.1551 0.1574	0.1514 0.1531	0.1513	0.1473	Ave		0.1527				2.1		15.0			
Chloroform	+++++ 0.5261	0.5314 0.5288	0.5022 0.5089	0.4984	0.4982	Ave		0.5134				2.9		30.0			
1,4-Dioxane	+++++ 0.0028	+++++ 0.0033	0.0029 0.0031	0.0028	0.0031	Ave		0.0030				6.4		15.0			
Isobutyl alcohol	+++++ 0.0107	+++++ 0.0116	0.0116 0.0114	0.0108	0.0117	Ave		0.0113				3.8		15.0			
1,1,1-Trichloroethane	+++++ 0.5064	0.4869 0.4926	0.4385 0.4812	0.4472	0.4449	Ave		0.4711				5.7		15.0			
1,1-Dichloropropene	+++++ 0.4723	0.4725 0.4633	0.4186 0.4509	0.4257	0.4222	Ave		0.4465				5.4		15.0			
Carbon tetrachloride	+++++ 0.3934	0.3415 0.3906	0.3276 0.3894	0.3285	0.3218	Ave		0.3561				9.4		15.0			
1,2-Dichloroethane	+++++ 0.3618	0.3703 0.3661	0.3718 0.3554	0.3508	0.3545	Ave		0.3615				2.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112941

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 20:56 Calibration End Date: 03/23/2012 23:47 Calibration ID: 8869

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzene	+++++ 1.2896	1.3098 1.2824	1.2076 1.2399	1.2024	1.1858	Ave		1.2453				3.9		15.0			
Trichloroethene	+++++ 0.3153	0.3236 0.3146	0.2917 0.3116	0.2879	0.2907	Ave		0.3051				4.8		15.0			
1,2-Dichloropropane	+++++ 0.3146	0.3056 0.3184	0.2969 0.3126	0.2995	0.3009	Ave		0.3069				2.7		30.0			
Dibromomethane	+++++ 0.1595	0.1693 0.1643	0.1531 0.1604	0.1554	0.1604	Ave		0.1603				3.3		15.0			
Dichlorobromomethane	+++++ 0.3357	0.3092 0.3497	0.3072 0.3499	0.3027	0.3088	Ave		0.3233				6.5		15.0			
cis-1,3-Dichloropropene	+++++ 0.4416	0.4066 0.4591	0.3942 0.4577	0.4055	0.4125	Ave		0.4253				6.3		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.3114	+++++ 0.2862	0.2935 0.2853	0.2859	0.3004	Ave		0.2938				3.6		15.0			
Toluene	+++++ 1.3336	1.3240 1.3192	1.2151 1.2659	1.2208	1.2105	Ave		1.2699				4.4		30.0			
trans-1,3-Dichloropropene	+++++ 0.3722	0.3492 0.3885	0.3405 0.3842	0.3457	0.3519	Ave		0.3617				5.4		15.0			
1,1,2-Trichloroethane	+++++ 0.2156	0.2167 0.2223	0.2165 0.2170	0.2047	0.2136	Ave		0.2152				2.5		15.0			
2-Hexanone	+++++ 0.8208	0.8566 0.7505	0.7899 0.7438	0.7819	0.8125	Ave		0.7937				5.0		15.0			
1,3-Dichloropropane	+++++ 1.5550	1.5629 1.5817	1.5399 1.5480	1.5183	1.5259	Ave		1.5474				1.4		15.0			
Tetrachloroethene	+++++ 0.9916	0.9320 0.9708	0.8730 0.9714	0.8866	0.8747	Ave		0.9286				5.4		15.0			
Chlorodibromomethane	+++++ 0.8567	0.7431 0.9215	0.7287 0.9472	0.7513	0.7747	Ave		0.8176				11.0		15.0			
Ethylene Dibromide	+++++ 0.8572	0.8385 0.8789	0.8267 0.8682	0.8197	0.8496	Ave		0.8484				2.5		15.0			
1-Chlorohexane	+++++ 1.8821	1.8468 1.8162	1.6820 1.7813	1.6506	1.6399	Ave		1.7570				5.6		15.0			
Chlorobenzene	+++++ 3.2813	3.3829 3.2965	3.1274 3.2108	3.0631	3.0847	Ave		3.2067			0.3000	3.7		15.0			
1,1,1,2-Tetrachloroethane	+++++ 1.1031	0.9310 1.1469	0.9278 1.1544	0.9768	0.9869	Ave		1.0324				9.6		15.0			
Ethylbenzene	+++++ 1.9676	1.9080 1.9552	1.7399 1.9221	1.7611	1.7549	Ave		1.8584				5.5		30.0			
m-Xylene & p-Xylene	2.7589 2.3839	2.3967 2.3684	2.1695 2.3001	2.1934	2.1669	Ave		2.3422				8.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112941

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 20:56 Calibration End Date: 03/23/2012 23:47 Calibration ID: 8869

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Styrene	+++++ 3.7047	3.5705 3.7300	3.3823 3.6045	3.5023	3.4762	Ave		3.5672				3.5		15.0			
o-Xylene	2.7709 2.4183	2.4133 2.4135	2.2000 2.3568	2.2149	2.2168	Ave		2.3756				7.8		15.0			
Bromoform	+++++ 0.4531	0.3526 0.4989	0.3744 0.5192	0.3750	0.4058	Lin1	0.0252	0.5063			0.1000				0.9961		0.9900
Isopropylbenzene	+++++ 4.2025	3.7544 4.1646	3.5162 4.1158	3.6823	3.6312	Ave		3.8667				7.4		15.0			
Cyclohexanone	+++++ 0.0581	+++++ 0.0575	0.0601 0.0562	0.0556	0.0587	Ave		0.0577				2.9		15.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8020	0.7918 0.8239	0.7645 0.8341	0.7611	0.7844	Ave		0.7946			0.3000	3.5		15.0			
1,2,3-Trichloropropane	+++++ 0.2244	0.2260 0.2260	0.2102 0.2267	0.2152	0.2237	Ave		0.2218				2.9		15.0			
Bromobenzene	+++++ 0.8382	0.8191 0.8571	0.7612 0.8688	0.7802	0.7737	Ave		0.8140				5.3		15.0			
N-Propylbenzene	+++++ 1.1723	1.0372 1.1672	0.9814 1.1879	1.0045	1.0109	Ave		1.0802				8.4		15.0			
1,3,5-Trimethylbenzene	+++++ 3.3979	3.0355 3.4238	2.8439 3.4280	2.9802	2.9551	Ave		3.1521				8.1		15.0			
2-Chlorotoluene	+++++ 0.9607	0.8982 0.9578	0.8212 0.9773	0.8498	0.8384	Ave		0.9005				7.2		15.0			
4-Chlorotoluene	+++++ 0.9105	0.8621 0.9121	0.8218 0.9119	0.8281	0.8156	Ave		0.8660				5.2		15.0			
tert-Butylbenzene	+++++ 3.2942	2.7813 3.3829	2.6787 3.4531	2.7873	2.8691	Ave		3.0352				10.8		15.0			
1,2,4-Trimethylbenzene	+++++ 3.4181	3.1057 3.4479	2.9684 3.4188	3.0697	3.0446	Ave		3.2105				6.5		15.0			
sec-Butylbenzene	+++++ 4.5766	3.9841 4.5794	3.7895 4.5151	3.9341	3.9877	Ave		4.1952				8.2		15.0			
4-Isopropyltoluene	+++++ 3.7953	3.3864 3.8275	3.2367 3.7826	3.3302	3.3329	Ave		3.5274				7.4		15.0			
1,3-Dichlorobenzene	+++++ 1.7133	1.6334 1.7211	1.5562 1.6867	1.5805	1.5763	Ave		1.6382				4.2		15.0			
1,4-Dichlorobenzene	+++++ 1.7161	1.7084 1.7161	1.5863 1.6727	1.5801	1.5768	Ave		1.6509				4.1		15.0			
n-Butylbenzene	+++++ 3.7040	+++++ 3.6558	3.2379 3.5254	3.3141	3.2850	Ave		3.4537				5.8		15.0			
1,2-Dichlorobenzene	+++++ 1.6348	1.6084 1.6529	1.5088 1.6288	1.5243	1.5353	Ave		1.5848				3.8		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112941

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 20:56 Calibration End Date: 03/23/2012 23:47 Calibration ID: 8869

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	0.1485 0.1515	0.1330 0.1665	0.1295 0.1722	0.1335	0.1467	Lin	0.0436	0.1727							0.9992		
1,2,4-Trichlorobenzene	+++++ 1.2055	+++++ 1.2647	1.1614 1.2055	1.1476	1.1583	Ave		1.1905				3.7		15.0			
Hexachlorobutadiene	+++++ 0.5562	0.4828 0.5855	0.4821 0.5794	0.4886	0.5101	Ave		0.5264				8.8		15.0			
Naphthalene	+++++ 3.0200	+++++ 3.2232	3.0927 3.0389	2.9916	3.1816	Ave		3.0914				3.0		15.0			
1,2,3-Trichlorobenzene	+++++ 1.1031	+++++ 1.1814	1.0861 1.1192	1.0691	1.0930	Ave		1.1086				3.6		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112941

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 20:56 Calibration End Date: 03/23/2012 23:47 Calibration ID: 8869

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112941/2	G2_4868.D
Level 2	IC 280-112941/3	G2_4869.D
Level 3	IC 280-112941/4	G2_4870.D
Level 4	IC 280-112941/5	G2_4871.D
Level 5	IC 280-112941/6	G2_4872.D
Level 6	IC 280-112941/7	G2_4873.D
Level 7	IC 280-112941/8	G2_4874.D
Level 8	IC 280-112941/9	G2_4875.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Dichloroethene, Total	FB	Ave	+++++ 1073271	44365 2176483	101417 4398811	206727	401387	+++++ 100	4.00 200	10.0 400	20.0	40.0
Xylenes, Total	CBZ	Ave	54251 2786692	111546 5744902	255967 11645587	528326	1042304	3.00 150	6.00 300	15.0 600	30.0	60.0
Dichlorodifluoromethane	FB	Lin1	+++++ 675616	+++++ 1278797	43493 2702244	89233	169328	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Chloromethane	FB	Ave	+++++ 592606	+++++ 1104210	49550 2338862	98942	183952	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Vinyl chloride	FB	Ave	+++++ 708162	+++++ 1306695	57001 2755546	116240	218453	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Ethanol	FB	Lin1	+++++ 264590	+++++ 649336	36246 1297118	45802	113628	+++++ 2500	+++++ 5000	250 10000	500	1000
Bromomethane	FB	Ave	+++++ 490071	+++++ 808952	42583 1437109	84455	162489	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Chloroethane	FB	Ave	+++++ 454811	+++++ 806359	41301 1522797	82402	151939	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Trichlorofluoromethane	FB	Ave	+++++ 854467	31862 1598611	72120 3344853	147120	281671	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Acrolein	FB	Ave	+++++ 864520	37394 1666723	81749 3572068	164004	327381	+++++ 500	20.0 1000	50.0 2000	100	200
Acetone	FB	Ave	+++++ 619282	+++++ 1163320	77732 2477906	125284	251674	+++++ 200	+++++ 400	20.0 800	40.0	80.0
1,1-Dichloroethene	FB	Ave	+++++ 500222	20026 989079	44822 2009600	95288	177577	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Iodomethane	FB	Ave	+++++ 745876	+++++ 1507314	67548 3034663	142407	270546	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Acetonitrile	FB	Ave	+++++ 498144	+++++ 1245309	62024 2338943	113512	252103	+++++ 500	+++++ 1000	50.0 2000	100	200
2-Methyl-2-propanol	FB	Ave	+++++ 984379	49097 2263311	124261 4539138	230646	459542	+++++ 1000	40.0 2000	100 4000	200	400

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112941

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 20:56 Calibration End Date: 03/23/2012 23:47 Calibration ID: 8869

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methylene Chloride	FB	Lin1	+++++ 545595	+++++ 1087075	81425 2168316	134364	227088	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Acrylonitrile	FB	Ave	+++++ 1517651	79488 3322390	181867 6514519	369019	684144	+++++ 500	20.0 1000	50.0 2000	100	200
trans-1,2-Dichloroethene	FB	Ave	+++++ 527737	21838 1063264	49279 2142185	99925	193657	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Isopropyl ether	FB	Ave	+++++ 2135809	86713 4413750	211994 8925409	434555	839755	+++++ 250	10.0 500	25.0 1000	50.0	100
1,1-Dichloroethane	FB	Ave	+++++ 921894	38323 1877408	87342 3797629	181757	350241	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 800544	32435 1604506	72323 3261636	150654	290689	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
2-Butanone (MEK)	FB	Ave	+++++ 904701	+++++ 1699512	92206 3653946	173481	364963	+++++ 200	+++++ 400	20.0 800	40.0	80.0
Propionitrile	FB	Ave	+++++ 623034	28400 1327621	65967 2703500	130314	268865	+++++ 500	20.0 1000	50.0 2000	100	200
cis-1,2-Dichloroethene	FB	Ave	+++++ 545534	22527 1113219	52138 2256626	106802	207730	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 831950	32495 1659977	74400 3367339	151882	294569	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Methacrylonitrile	FB	Ave	+++++ 2517990	108759 5252351	261752 10475912	524458	1080795	+++++ 500	20.0 1000	50.0 2000	100	200
Chlorobromomethane	FB	Ave	+++++ 237660	9655 502202	23796 1023441	49020	93162	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 815439	33086 1687658	78926 3402354	161457	315078	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dioxane	FB	Ave	+++++ 215932	+++++ 521760	22576 1025989	45973	99015	+++++ 2500	+++++ 5000	250 10000	500	1000
Isobutyl alcohol	FB	Ave	+++++ 332777	+++++ 742084	36555 1527541	70128	148107	+++++ 1000	+++++ 2000	100 4000	200	400
1,1,1-Trichloroethane	FB	Ave	+++++ 784833	30313 1572230	68917 3217362	144841	281416	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloropropene	FB	Ave	+++++ 731994	29420 1478580	65788 3014598	137896	267018	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Carbon tetrachloride	FB	Ave	+++++ 609692	21261 1246439	51482 2603377	106410	203517	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloroethane	FB	Ave	+++++ 560825	23054 1168547	58429 2375815	113629	224211	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Benzene	FB	Ave	+++++ 1998816	81545 4092599	189793 8289101	389465	749988	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Trichloroethene	FB	Ave	+++++ 488711	20150 1004002	45839 2083045	93256	183841	+++++ 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112941

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 20:56 Calibration End Date: 03/23/2012 23:47 Calibration ID: 8869

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Dichloropropane	FB	Ave	+++++ 487615	19028 1016202	46656 2089759	96998	190292	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Dibromomethane	FB	Ave	+++++ 247242	10540 524199	24068 1072154	50350	101458	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Dichlorobromomethane	FB	Ave	+++++ 520375	19252 1116085	48276 2339314	98063	195327	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 684387	25317 1465292	61960 3060182	131361	260920	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 1930389	+++++ 3653765	184528 7629935	370378	759992	+++++ 200	+++++ 400	20.0 800	40.0	80.0
Toluene	FB	Ave	+++++ 2067041	82433 4210051	190975 8463247	395448	765638	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 576872	21739 1239834	53518 2568676	111974	222562	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloroethane	FB	Ave	+++++ 334103	13489 709466	34026 1450977	66314	135083	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
2-Hexanone	CBZ	Ave	+++++ 1273184	53032 2411943	123686 4979951	250291	517129	+++++ 200	8.00 400	20.0 800	40.0	80.0
1,3-Dichloropropane	CBZ	Ave	+++++ 602999	24190 1270812	60279 2591261	121508	242797	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Tetrachloroethene	CBZ	Ave	+++++ 384523	14426 779967	34174 1626074	70954	139178	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Chlorodibromomethane	CBZ	Ave	+++++ 332204	11501 740343	28524 1585541	60125	123270	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Ethylene Dibromide	CBZ	Ave	+++++ 332427	12978 706189	32359 1453308	65601	135181	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1-Chlorohexane	CBZ	Ave	+++++ 729868	28585 1459194	65842 2981688	132094	260931	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Chlorobenzene	CBZ	Ave	+++++ 1272457	52361 2648565	122422 5374615	245134	490823	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 427779	14410 921513	36318 1932385	78174	157027	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Ethylbenzene	CBZ	Ave	+++++ 763018	29532 1570881	68107 3217477	140939	279231	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	36115 1848890	74192 3805783	169848 7700483	351066	689581	2.00 100	4.00 200	10.0 400	20.0	40.0
Styrene	CBZ	Ave	+++++ 1436642	55265 2996867	132401 6033651	280284	553121	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
o-Xylene	CBZ	Ave	18136 937802	37354 1939119	86119 3945104	177260	352723	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromoform	CBZ	Lin1	+++++ 175717	5457 400812	14656 869165	30014	64572	+++++ 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112941

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 20:56 Calibration End Date: 03/23/2012 23:47 Calibration ID: 8869

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isopropylbenzene	DCB	Ave	+++++ 2488856	94989 5097657	225653 10080093	470500	917162	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexanone	CBZ	Ave	+++++ 901999	+++++ 1848613	94159 3760570	177839	373495	+++++ 2000	+++++ 4000	200 8000	400	800
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 474979	20034 1008451	49064 2042776	97254	198131	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 132904	5719 276638	13492 555323	27495	56494	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Bromobenzene	DCB	Ave	+++++ 496391	20723 1049136	48852 2127834	99683	195420	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
N-Propylbenzene	DCB	Ave	+++++ 694268	26241 1428697	62983 2909265	128343	255320	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 2012347	76799 4190978	182510 8395679	380786	746388	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
2-Chlorotoluene	DCB	Ave	+++++ 568947	22726 1172394	52698 2393415	108582	211769	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
4-Chlorotoluene	DCB	Ave	+++++ 539259	21812 1116521	52741 2233452	105814	205998	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butylbenzene	DCB	Ave	+++++ 1950933	70368 4140893	171910 8457154	356142	724682	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 2024344	78576 4220465	190498 8373024	392220	769003	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
sec-Butylbenzene	DCB	Ave	+++++ 2710419	100799 5605494	243196 11057939	502674	1007208	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
4-Isopropyltoluene	DCB	Ave	+++++ 2247694	85678 4685024	207720 9263976	425515	841822	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 1014663	41326 2106778	99871 4130953	201950	398145	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	+++++ 1016352	43224 2100586	101804 4096631	201899	398257	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
n-Butylbenzene	DCB	Ave	+++++ 2193655	+++++ 4474859	207794 8634119	423453	829721	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 968201	40693 2023186	96827 3989172	194765	387789	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Lin	1583 89732	3365 203814	8308 421654	17056	37043	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 713943	+++++ 1548111	74531 2952422	146633	292562	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Hexachlorobutadiene	DCB	Ave	+++++ 329388	12214 716640	30942 1418911	62426	128844	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Naphthalene	DCB	Ave	+++++ 1788578	+++++ 3945398	198479 7442575	382251	803606	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112941

SDG No.:

Instrument ID: MSV_G2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/23/2012 20:56 Calibration End Date: 03/23/2012 23:47 Calibration ID: 8869

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 653314	+++++ 1446077	69702 2741107	136597	276057	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4868.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 20:56
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : IC,,M001
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\8260B-soil.m
Meth Date : 25-Mar-2012 18:43 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 16:19 Cal File: G2_4865.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC367

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.745	7.745	(1.000)	1300024	50.0000	
* 87	Chlorobenzene-d5	119	10.005	10.005	(1.000)	327260	50.0000	(H)
* 112	1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	533092	50.0000	
M 1	1,2-Dichloroethene (total)	96				21873	2.00000	0.000000(a)
M 2	Xylene (total)	106				54251	3.00000	0.000000(a)
M 3	1,3-Dichloropropane (total)	75				24120	2.00000	0.000000(a)
M 4	Trihalomethanes (total)	83				35047	4.00000	0.000000(a)
5	Chlorotrifluoroethene	116	Compound Not Detected.					
6	dichlorodifluoromethane	85	4.032	4.032	(0.521)	9462	1.00000	0.000000(aQ)
8	Chloromethane	50	4.227	4.227	(0.546)	12727	1.00000	0.000000(aQ)
10	2-Chloro-1,1,1-trifluoroetha	118	4.423	4.423	(0.571)	12812	1.00000	0.000000(aQ)
9	Vinyl Chloride	62	4.381	4.381	(0.566)	12479	1.00000	0.000000(aQ)
12	Bromomethane	94	4.744	4.744	(0.613)	11851	1.00000	0.000000(aQ)
13	Chloroethane	64	4.828	4.828	(0.623)	9419	1.00000	0.000000(aQ)
15	Trichlorofluoromethane	101	5.107	5.107	(0.659)	15242	1.00000	0.000000(aQ)
16	Ethanol	45	Compound Not Detected.					
24	1,1-Dichloroethene	96	5.526	5.526	(0.713)	9962	1.00000	0.000000(aQ)
21	Acetone	43	5.484	5.484	(0.708)	31376	4.00000	0.000000(aQ)
25	Iodomethane	142	5.693	5.693	(0.735)	14018	1.00000	0.000000(aQ)
26	Acetonitrile	41	5.721	5.721	(0.739)	14245	10.0000	0.000000(a)
31	Methylene Chloride	84	5.861	5.861	(0.757)	39463	1.00000	0.000000(aQ)
30	tert-Butyl alcohol	59	5.833	5.833	(0.753)	25234	20.0000	0.000000(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32	Acrylonitrile	53	6.015	6.015	(0.777)	40292	10.0000	0.000000(aQ)
34	trans-1,2-Dichloroethene	96	6.101	6.101	(0.788)	10802	1.00000	0.000000(aQ)
38	1,1-Dichloroethane	63	6.415	6.415	(0.828)	17734	1.00000	0.000000(aQ)
37	Isopropyl ether	87	6.379	6.379	(0.824)	44414	5.00000	0.000000(aQ)
39	Chloroprene	53	6.494	6.494	(0.838)	16314	1.00000	0.000000(aQ)
42	2-Butanone	43	6.794	6.794	(0.877)	25266	4.00000	0.000000(aQ)
45	cis-1,2-Dichloroethene	96	6.851	6.851	(0.885)	11071	1.00000	0.000000(aQ)
46	2,2-Dichloropropane	77	6.894	6.894	(0.890)	16142	1.00000	0.000000(aQ)
44	Propionitrile	54	6.844	6.844	(0.884)	14061	10.0000	0.000000(aQ)
47	Methacrylonitrile	41	6.973	6.973	(0.900)	57168	10.0000	0.000000(aQ)
48	Bromochloromethane	128	7.052	7.052	(0.910)	4434	1.00000	0.000000(aQ)
49	Chloroform	83	7.059	7.059	(0.911)	16585	1.00000	0.000000(aQ)
53	1,1,1-Trichloroethane	97	7.295	7.295	(0.942)	15465	1.00000	0.000000(aQ)
55	1,1-Dichloropropene	75	7.388	7.388	(0.954)	13657	1.00000	0.000000(aQ)
56	Carbon Tetrachloride	117	7.430	7.430	(0.959)	11252	1.00000	0.000000(aQ)
52	Isobutanol	41	7.252	7.252	(0.936)	8213	20.0000	0.000000(aQ)
60	Benzene	78	7.573	7.573	(0.978)	40643	1.00000	0.000000(aQ)
58	1,2-Dichloroethane	62	7.538	7.538	(0.973)	11749	1.00000	0.000000(aQ)
62	n-Butanol	56	7.745	7.745	(1.000)	17383	30.0000	0.000000(aQ)
63	Trichloroethene	95	8.031	8.031	(1.037)	9625	1.00000	0.000000(aQ)
66	1,2-Dichloropropane	63	8.210	8.210	(1.060)	9427	1.00000	0.000000(aQ)
68	1,4-Dioxane	88	8.260	8.260	(1.066)	3053	50.0000	0.000000(aQ)
69	Dibromomethane	93	8.310	8.310	(1.073)	5239	1.00000	0.000000(aQ)
70	Bromodichloromethane	83	8.374	8.374	(1.081)	9931	1.00000	0.000000(aQ)
73	cis-1,3-Dichloropropene	75	8.689	8.689	(1.122)	13531	1.00000	0.000000(aQ)
74	4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	41280	4.00000	0.000000(aQ)
76	Toluene	91	8.982	8.982	(1.160)	43260	1.00000	0.000000(aQ)
78	trans-1,3-Dichloropropene	75	9.061	9.061	(1.170)	10589	1.00000	0.000000(aQ)
80	1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	6880	1.00000	0.000000(aQ)
83	Tetrachloroethene	164	9.397	9.397	(0.939)	7313	1.00000	0.000000(aQ)
82	1,3-Dichloropropane	76	9.361	9.361	(0.936)	12426	1.00000	0.000000(aQ)
81	2-Hexanone	43	9.332	9.332	(0.933)	29498	4.00000	0.000000(aQ)
84	Dibromochloromethane	129	9.554	9.554	(0.955)	6015	1.00000	0.000000(aQ)
85	1,2-Dibromoethane	107	9.683	9.683	(0.968)	6291	1.00000	0.000000(aQ)
86	1-Chlorohexane	91	9.919	9.919	(0.991)	15247	1.00000	0.000000(aQ)
88	Chlorobenzene	112	10.033	10.033	(1.003)	25783	1.00000	0.000000(aQ)
89	1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	7403	1.00000	0.000000(aQ)
90	Ethylbenzene	106	10.069	10.069	(1.006)	15063	1.00000	0.000000(aQ)
91	m and p-Xylene	106	10.148	10.148	(1.014)	36115	2.00000	0.000000(aQ)
92	o-Xylene	106	10.469	10.469	(1.046)	18136	1.00000	0.000000(aQ)
93	Styrene	104	10.469	10.469	(1.046)	27702	1.00000	0.000000(aQ)
94	Bromoform	173	10.670	10.670	(1.066)	2516	1.00000	0.000000(aQ)
95	isopropyl benzene	105	10.734	10.734	(0.905)	46777	1.00000	0.000000(aQ)
97	Cyclohexanone	55	10.848	10.848	(1.084)	23488	40.0000	0.000000(aQ)
99	1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.922)	10012	1.00000	0.000000(aQ)
102	Bromobenzene	156	11.056	11.056	(0.932)	10426	1.00000	0.000000(aQ)
101	1,2,3-Trichloropropane	110	10.998	10.998	(0.928)	2704	1.00000	0.000000(aQ)
103	n-Propylbenzene	120	11.056	11.056	(0.932)	13320	1.00000	0.000000(aQ)
105	2-Chlorotoluene	126	11.177	11.177	(0.943)	11191	1.00000	0.000000(aQ)
104	1,3,5-Trimethylbenzene	105	11.163	11.163	(0.942)	36881	1.00000	0.000000(aQ)
106	4-Chlorotoluene	126	11.256	11.256	(0.949)	11002	1.00000	0.000000(aQ)
107	tert-Butylbenzene	119	11.470	11.470	(0.967)	34046	1.00000	0.000000(aQ)
108	1,2,4-Trimethylbenzene	105	11.499	11.499	(0.970)	40008	1.00000	0.000000(aQ)
109	sec-Butylbenzene	105	11.649	11.649	(0.983)	49594	1.00000	0.000000(aQ)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
110 4-Isopropyltoluene	119	11.742	11.742	(0.990)	41758	1.00000	0.000000(aQ)
115 n-Butylbenzene	91	12.114	12.114	(1.022)	42582	1.00000	0.000000(aQ)
117 1,2-Dibromo-3-chloropropane	157	12.993	12.993	(1.096)	1583	1.00000	0.000000(aQ)
118 1,2,4-Trichlorobenzene	180	13.966	13.966	(1.178)	15504	1.00000	0.000000(aQ)
119 Hexachlorobutadiene	225	14.123	14.123	(1.191)	6141	1.00000	0.000000(aQ)
120 Naphthalene	128	14.330	14.330	(1.209)	42514	1.00000	0.000000(aQ)
121 1,2,3-Trichlorobenzene	180	14.667	14.667	(1.237)	14147	1.00000	0.000000(aQ)

QC Flag Legend

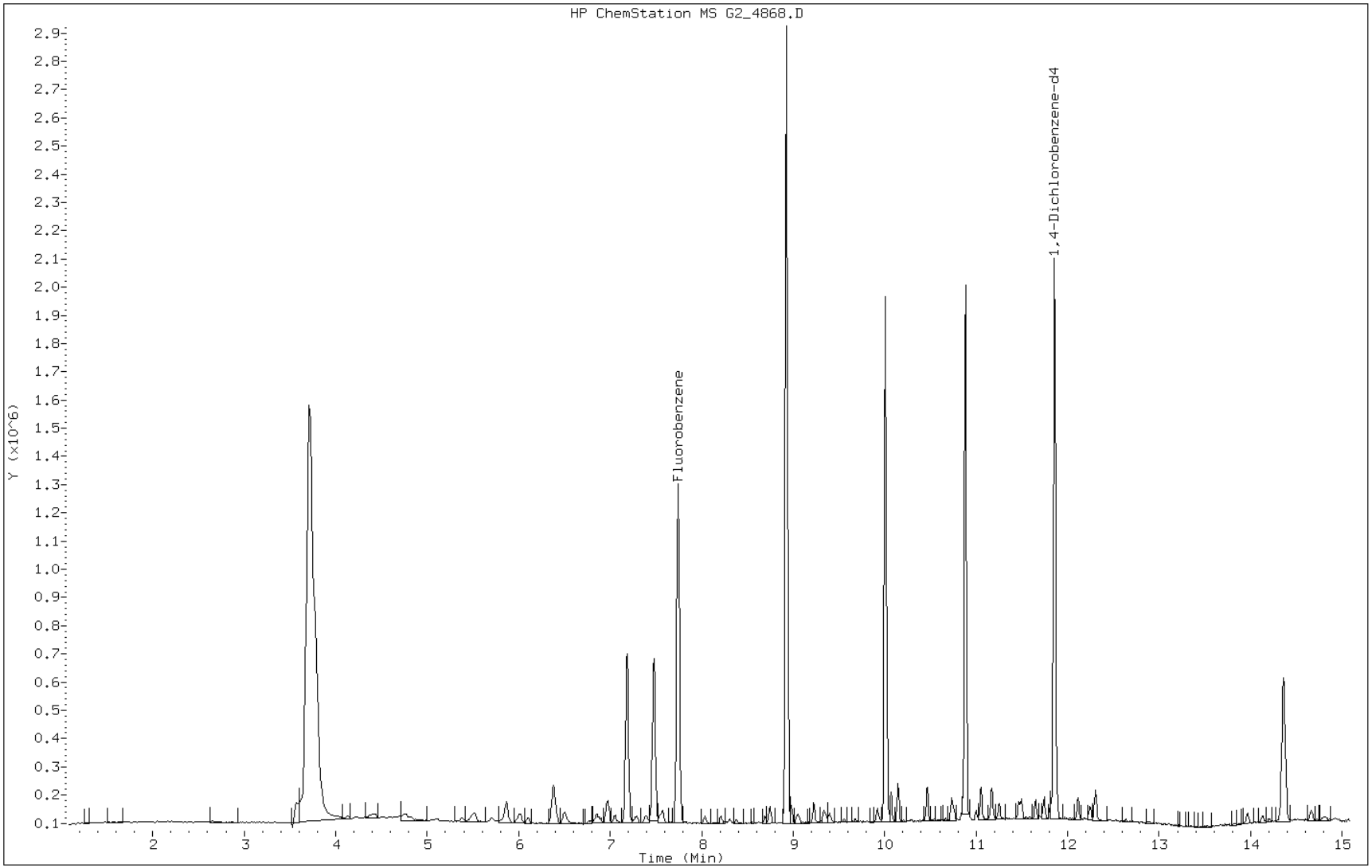
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4868.D

Date: 23-MAR-2012 20:56

Client ID: Instrument: GCMS2.i

Sample Info: IC,,M001 Operator: JABLONSKIK



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4869.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 21:31
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : IC,,M002
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\8260B-soil.m
Meth Date : 25-Mar-2012 18:43 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 20:56 Cal File: G2_4868.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC367

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.738	7.738	(1.000)	1556498	50.0000	
* 87	Chlorobenzene-d5	119	10.012	10.012	(1.000)	386952	50.0000	(H)
* 112	1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	632513	50.0000	
M 1	1,2-Dichloroethene (total)	96				44365	4.00000	0.000000(a)
M 2	Xylene (total)	106				111546	6.00000	5.21678
M 3	1,3-Dichloropropane (total)	75				47056	4.00000	0.000000(a)
M 4	Trihalomethanes (total)	83				69296	8.00000	0.000000(a)
5	Chlorotrifluoroethene	116	Compound Not Detected.					
6	dichlorodifluoromethane	85	4.018	4.018	(0.519)	18664	2.00000	0.000000(aQ)
8	Chloromethane	50	4.227	4.227	(0.546)	22477	2.00000	0.000000(aQ)
10	2-Chloro-1,1,1-trifluoroetha	118	4.423	4.423	(0.572)	26033	2.00000	0.000000(aQ)
9	Vinyl Chloride	62	4.381	4.381	(0.566)	25052	2.00000	0.000000(aQ)
12	Bromomethane	94	4.744	4.744	(0.613)	20971	2.00000	0.000000(aQ)
13	Chloroethane	64	4.828	4.828	(0.624)	18637	2.00000	0.000000(a)
15	Trichlorofluoromethane	101	5.093	5.093	(0.658)	31862	2.00000	0.000000(aQ)
16	Ethanol	45	5.093	5.093	(0.658)	9285	100.000	0.000000(aQ)
24	1,1-Dichloroethene	96	5.512	5.512	(0.712)	20026	2.00000	0.000000(a)
21	Acetone	43	5.484	5.484	(0.709)	46384	8.00000	0.000000(aQ)
25	Iodomethane	142	5.694	5.694	(0.736)	29935	2.00000	0.000000(aQ)
26	Acetonitrile	41	5.707	5.707	(0.738)	25346	20.0000	0.000000(a)
31	Methylene Chloride	84	5.861	5.861	(0.757)	50591	2.00000	0.000000(a)
30	tert-Butyl alcohol	59	5.819	5.819	(0.752)	49097	40.0000	0.000000(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32	Acrylonitrile	53	6.015	6.015	(0.777)	79488	20.0000	0.000000(a)
34	trans-1,2-Dichloroethene	96	6.101	6.101	(0.788)	21838	2.00000	0.000000(a)
38	1,1-Dichloroethane	63	6.415	6.415	(0.829)	38323	2.00000	0.000000(a)
37	Isopropyl ether	87	6.379	6.379	(0.824)	86713	10.0000	0.000000(a)
39	Chloroprene	53	6.494	6.494	(0.839)	32435	2.00000	0.000000(a)
42	2-Butanone	43	6.780	6.780	(0.876)	43075	8.00000	0.000000(aQ)
45	cis-1,2-Dichloroethene	96	6.844	6.844	(0.885)	22527	2.00000	0.000000(a)
46	2,2-Dichloropropane	77	6.894	6.894	(0.891)	32495	2.00000	0.000000(aQ)
44	Propionitrile	54	6.844	6.844	(0.885)	28400	20.0000	0.000000(aQ)
47	Methacrylonitrile	41	6.973	6.973	(0.901)	108759	20.0000	0.000000(a)
48	Bromochloromethane	128	7.052	7.052	(0.911)	9655	2.00000	0.000000(a)
49	Chloroform	83	7.059	7.059	(0.912)	33086	2.00000	0.000000(a)
53	1,1,1-Trichloroethane	97	7.287	7.287	(0.942)	30313	2.00000	0.000000(aQ)
55	1,1-Dichloropropene	75	7.388	7.388	(0.955)	29420	2.00000	0.000000(a)
56	Carbon Tetrachloride	117	7.438	7.438	(0.961)	21261	2.00000	0.000000(aQ)
52	Isobutanol	41	7.252	7.252	(0.937)	19076	40.0000	0.000000(aQ)
60	Benzene	78	7.566	7.566	(0.978)	81545	2.00000	0.000000(a)
58	1,2-Dichloroethane	62	7.538	7.538	(0.974)	23054	2.00000	0.000000(aQ)
62	n-Butanol	56	7.738	7.738	(1.000)	26130	60.0000	0.000000(a)
63	Trichloroethene	95	8.031	8.031	(1.038)	20150	2.00000	0.000000(a)
66	1,2-Dichloropropane	63	8.210	8.210	(1.061)	19028	2.00000	0.000000(a)
68	1,4-Dioxane	88	Compound Not Detected.					
69	Dibromomethane	93	8.310	8.310	(1.074)	10540	2.00000	0.000000(a)
70	Bromodichloromethane	83	8.374	8.374	(1.082)	19252	2.00000	0.000000(aQ)
73	cis-1,3-Dichloropropene	75	8.696	8.696	(1.124)	25317	2.00000	0.000000(a)
74	4-Methyl-2-pentanone	43	8.746	8.746	(1.130)	79829	8.00000	0.000000(a)
76	Toluene	91	8.982	8.982	(1.161)	82433	2.00000	0.000000(a)
78	trans-1,3-Dichloropropene	75	9.061	9.061	(1.171)	21739	2.00000	0.000000(a)
80	1,1,2-Trichloroethane	97	9.225	9.225	(1.192)	13489	2.00000	0.000000(a)
83	Tetrachloroethene	164	9.397	9.397	(0.939)	14426	2.00000	0.000000(a)
82	1,3-Dichloropropane	76	9.361	9.361	(0.935)	24190	2.00000	0.000000(a)
81	2-Hexanone	43	9.332	9.332	(0.932)	53032	8.00000	0.000000(a)
84	Dibromochloromethane	129	9.561	9.561	(0.955)	11501	2.00000	0.000000(aQ)
85	1,2-Dibromoethane	107	9.683	9.683	(0.967)	12978	2.00000	0.000000(a)
86	1-Chlorohexane	91	9.919	9.919	(0.991)	28585	2.00000	0.000000(a)
88	Chlorobenzene	112	10.033	10.033	(1.002)	52361	2.00000	0.000000(a)
89	1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	14410	2.00000	0.000000(a)
90	Ethylbenzene	106	10.069	10.069	(1.006)	29532	2.00000	0.000000(a)
91	m and p-Xylene	106	10.148	10.148	(1.014)	74192	4.00000	3.47484(a)
92	o-Xylene	106	10.469	10.469	(1.046)	37354	2.00000	1.74193(a)
93	Styrene	104	10.469	10.469	(1.046)	55265	2.00000	0.000000(a)
94	Bromoform	173	10.670	10.670	(1.066)	5457	2.00000	0.000000(a)
95	isopropyl benzene	105	10.734	10.734	(0.905)	94989	2.00000	0.000000(a)
97	Cyclohexanone	55	10.855	10.855	(1.084)	38474	80.0000	0.000000(a)
99	1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.922)	20034	2.00000	0.000000(aQ)
102	Bromobenzene	156	11.056	11.056	(0.932)	20723	2.00000	0.000000(a)
101	1,2,3-Trichloropropane	110	10.998	10.998	(0.928)	5719	2.00000	0.000000(a)
103	n-Propylbenzene	120	11.056	11.056	(0.932)	26241	2.00000	0.000000(a)
105	2-Chlorotoluene	126	11.177	11.177	(0.943)	22726	2.00000	0.000000(a)
104	1,3,5-Trimethylbenzene	105	11.170	11.170	(0.942)	76799	2.00000	0.000000(a)
106	4-Chlorotoluene	126	11.256	11.256	(0.949)	21812	2.00000	0.000000(a)
107	tert-Butylbenzene	119	11.470	11.470	(0.967)	70368	2.00000	0.000000(a)
108	1,2,4-Trimethylbenzene	105	11.499	11.499	(0.970)	78576	2.00000	0.000000(a)
109	sec-Butylbenzene	105	11.649	11.649	(0.983)	100799	2.00000	0.000000(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
110 4-Isopropyltoluene	119	11.742	11.742	(0.990)	85678	2.00000	0.000000(a)
115 n-Butylbenzene	91	12.114	12.114	(1.022)	86361	2.00000	0.000000(a)
117 1,2-Dibromo-3-chloropropane	157	12.993	12.993	(1.096)	3365	2.00000	1.79158(a)
118 1,2,4-Trichlorobenzene	180	13.973	13.973	(1.179)	30717	2.00000	0.000000(a)
119 Hexachlorobutadiene	225	14.137	14.137	(1.192)	12214	2.00000	0.000000(a)
120 Naphthalene	128	14.338	14.338	(1.209)	77237	2.00000	0.000000(a)
121 1,2,3-Trichlorobenzene	180	14.667	14.667	(1.237)	28431	2.00000	0.000000(a)

QC Flag Legend

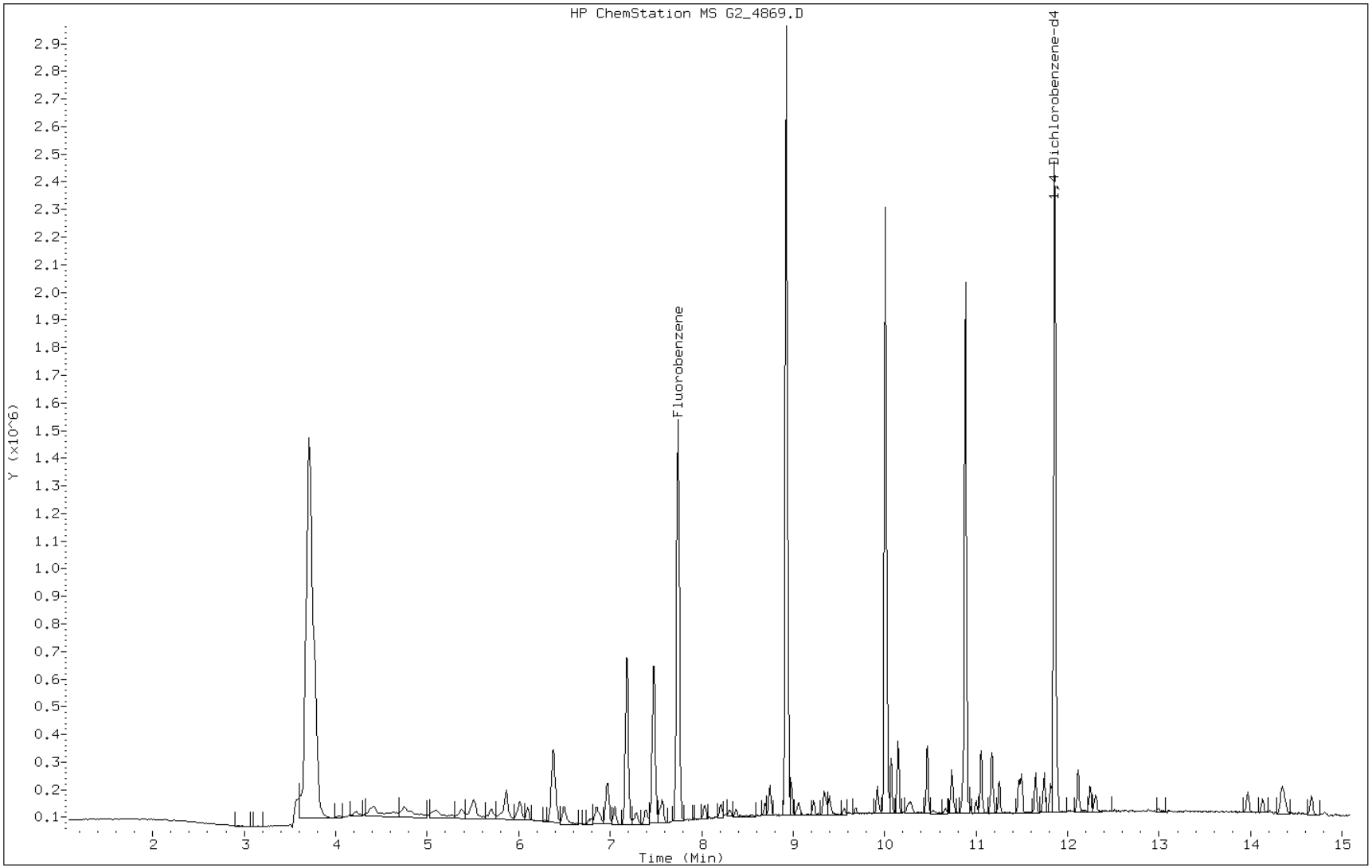
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4869.D

Date: 23-MAR-2012 21:31

Client ID: Instrument: GCMS2.i

Sample Info: IC,,M002 Operator: JABLONSKIK



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4870.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 21:50
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : IC,,M005
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\8260B-soil.m
Meth Date : 25-Mar-2012 18:43 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 21:31 Cal File: G2_4869.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC367

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.745	7.745	(1.000)	1571667	50.0000	
* 87	Chlorobenzene-d5	119	10.004	10.004	(1.000)	391447	50.0000	(H)
* 112	1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	641756	50.0000	
M 1	1,2-Dichloroethene (total)	96				101417	10.0000	9.05384
M 2	Xylene (total)	106				255967	15.0000	12.6598
M 3	1,3-Dichloropropane (total)	75				115478	10.0000	9.72366
M 4	Trihalomethanes (total)	83				170382	20.0000	19.9048
5	Chlorotrifluoroethene	116	3.975	3.975	(0.513)	12553	5.00000	0.000000(aQ)
6	dichlorodifluoromethane	85	4.031	4.031	(0.521)	43493	5.00000	0.000000(aQ)
8	Chloromethane	50	4.227	4.227	(0.546)	49550	5.00000	0.000000(aQ)
10	2-Chloro-1,1,1-trifluoroetha	118	4.422	4.422	(0.571)	58437	5.00000	4.44612(a)
9	Vinyl Chloride	62	4.381	4.381	(0.566)	57001	5.00000	0.000000(aQ)
12	Bromomethane	94	4.758	4.758	(0.614)	42583	5.00000	0.000000(aQ)
13	Chloroethane	64	4.827	4.827	(0.623)	41301	5.00000	0.000000(a)
15	Trichlorofluoromethane	101	5.093	5.093	(0.658)	72120	5.00000	4.48333(a)
16	Ethanol	45	5.107	5.107	(0.659)	36246	250.000	0.000000(aQ)
24	1,1-Dichloroethene	96	5.526	5.526	(0.713)	44822	5.00000	4.43318(a)
20	Acrolein	56	5.386	5.386	(0.695)	81749	50.0000	43.3011(a)
21	Acetone	43	5.484	5.484	(0.708)	77732	20.0000	0.000000(a)
25	Iodomethane	142	5.707	5.707	(0.737)	67548	5.00000	0.000000(a)
26	Acetonitrile	41	5.707	5.707	(0.737)	62024	50.0000	0.000000(a)
31	Methylene Chloride	84	5.875	5.875	(0.759)	81425	5.00000	0.000000(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
30 tert-Butyl alcohol	59	5.833	5.833	(0.753)	124261	100.000	100.260(Q)
32 Acrylonitrile	53	6.022	6.022	(0.778)	181867	50.0000	45.3180
34 trans-1,2-Dichloroethene	96	6.108	6.108	(0.789)	49279	5.00000	4.46958(a)
38 1,1-Dichloroethane	63	6.422	6.422	(0.829)	87342	5.00000	4.51421(a)
37 Isopropyl ether	87	6.379	6.379	(0.824)	211994	25.0000	24.2118
39 Chloroprene	53	6.494	6.494	(0.838)	72323	5.00000	4.41652(a)
42 2-Butanone	43	6.794	6.794	(0.877)	92206	20.0000	0.000000(aQ)
45 cis-1,2-Dichloroethene	96	6.858	6.858	(0.886)	52138	5.00000	4.58426(a)
46 2,2-Dichloropropane	77	6.887	6.887	(0.889)	74400	5.00000	4.53497(a)
44 Propionitrile	54	6.844	6.844	(0.884)	65967	50.0000	46.0073
47 Methacrylonitrile	41	6.973	6.973	(0.900)	261752	50.0000	47.6697
48 Bromochloromethane	128	7.051	7.051	(0.910)	23796	5.00000	4.88168(a)
49 Chloroform	83	7.058	7.058	(0.911)	78926	5.00000	4.72491(a)
53 1,1,1-Trichloroethane	97	7.294	7.294	(0.942)	68917	5.00000	4.50314(a)
55 1,1-Dichloropropene	75	7.395	7.395	(0.955)	65788	5.00000	4.42917(a)
56 Carbon Tetrachloride	117	7.437	7.437	(0.960)	51482	5.00000	4.79612(a)
52 Isobutanol	41	7.259	7.259	(0.937)	36555	100.000	0.000000(aQ)
60 Benzene	78	7.573	7.573	(0.978)	189793	5.00000	4.61000(a)
58 1,2-Dichloroethane	62	7.538	7.538	(0.973)	58429	5.00000	5.01996
62 n-Butanol	56	7.745	7.745	(1.000)	52587	150.000	0.000000(aQ)
63 Trichloroethene	95	8.031	8.031	(1.037)	45839	5.00000	4.50586(a)
66 1,2-Dichloropropane	63	8.210	8.210	(1.060)	46656	5.00000	4.85660(a)
68 1,4-Dioxane	88	8.260	8.260	(1.066)	22576	250.000	0.000000(a)
69 Dibromomethane	93	8.310	8.310	(1.073)	24068	5.00000	4.52290(a)
70 Bromodichloromethane	83	8.381	8.381	(1.082)	48276	5.00000	4.96676(aQ)
73 cis-1,3-Dichloropropene	75	8.696	8.696	(1.123)	61960	5.00000	4.84749(a)
74 4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	184528	20.0000	0.000000(a)
76 Toluene	91	8.975	8.975	(1.159)	190975	5.00000	4.58874(a)
78 trans-1,3-Dichloropropene	75	9.061	9.061	(1.170)	53518	5.00000	4.87616(a)
80 1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	34026	5.00000	4.99631(a)
83 Tetrachloroethene	164	9.397	9.397	(0.939)	34174	5.00000	4.68343(a)
82 1,3-Dichloropropane	76	9.361	9.361	(0.936)	60279	5.00000	4.92656(a)
81 2-Hexanone	43	9.332	9.332	(0.933)	123686	20.0000	18.4441
84 Dibromochloromethane	129	9.561	9.561	(0.956)	28524	5.00000	4.90330(a)
85 1,2-Dibromoethane	107	9.683	9.683	(0.968)	32359	5.00000	4.92948(a)
86 1-Chlorohexane	91	9.919	9.919	(0.991)	65842	5.00000	4.55385(a)
88 Chlorobenzene	112	10.033	10.033	(1.003)	122422	5.00000	4.62238(a)
89 1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	36318	5.00000	4.98278(a)
90 Ethylbenzene	106	10.069	10.069	(1.006)	68107	5.00000	4.55946(a)
91 m and p-Xylene	106	10.147	10.147	(1.014)	169848	10.0000	8.41610
92 o-Xylene	106	10.469	10.469	(1.046)	86119	5.00000	4.24367(a)
93 Styrene	104	10.462	10.462	(1.046)	132401	5.00000	4.73647(a)
94 Bromoform	173	10.662	10.662	(1.066)	14656	5.00000	5.30977
95 isopropyl benzene	105	10.727	10.727	(0.905)	225653	5.00000	4.68271(a)
97 Cyclohexanone	55	10.848	10.848	(1.084)	94159	200.000	0.000000(a)
99 1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.922)	49064	5.00000	4.82753(aQ)
102 Bromobenzene	156	11.048	11.048	(0.932)	48852	5.00000	4.64686(a)
101 1,2,3-Trichloropropane	110	10.991	10.991	(0.927)	13492	5.00000	4.65035(a)
103 n-Propylbenzene	120	11.048	11.048	(0.932)	62983	5.00000	4.73121(a)
105 2-Chlorotoluene	126	11.177	11.177	(0.943)	52698	5.00000	4.57089(a)
104 1,3,5-Trimethylbenzene	105	11.163	11.163	(0.942)	182510	5.00000	4.68447(a)
106 4-Chlorotoluene	126	11.249	11.249	(0.949)	52741	5.00000	4.76631(a)
107 tert-Butylbenzene	119	11.463	11.463	(0.967)	171910	5.00000	4.81566(a)
108 1,2,4-Trimethylbenzene	105	11.492	11.492	(0.969)	190498	5.00000	4.77892(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	105	11.642	11.642	(0.982)	243196	5.00000	4.75587(a)
111 1,3-Dichlorobenzene	146	11.806	11.806	(0.996)	99871	5.00000	4.76371(a)
110 4-Isopropyltoluene	119	11.735	11.735	(0.990)	207720	5.00000	4.77902(a)
113 1,4-dichlorobenzene	146	11.878	11.878	(1.002)	101804	5.00000	4.64269(a)
115 n-Butylbenzene	91	12.107	12.107	(1.021)	207794	5.00000	0.000000(a)
116 1,2-Dichlorobenzene	146	12.242	12.242	(1.033)	96827	5.00000	4.69036(a)
117 1,2-Dibromo-3-chloropropane	157	12.986	12.986	(1.095)	8308	5.00000	5.24417
118 1,2,4-Trichlorobenzene	180	13.958	13.958	(1.177)	74531	5.00000	0.000000(a)
119 Hexachlorobutadiene	225	14.123	14.123	(1.191)	30942	5.00000	4.99367(a)
120 Naphthalene	128	14.330	14.330	(1.209)	198479	5.00000	0.000000(a)
121 1,2,3-Trichlorobenzene	180	14.652	14.652	(1.236)	69702	5.00000	0.000000(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4870.D

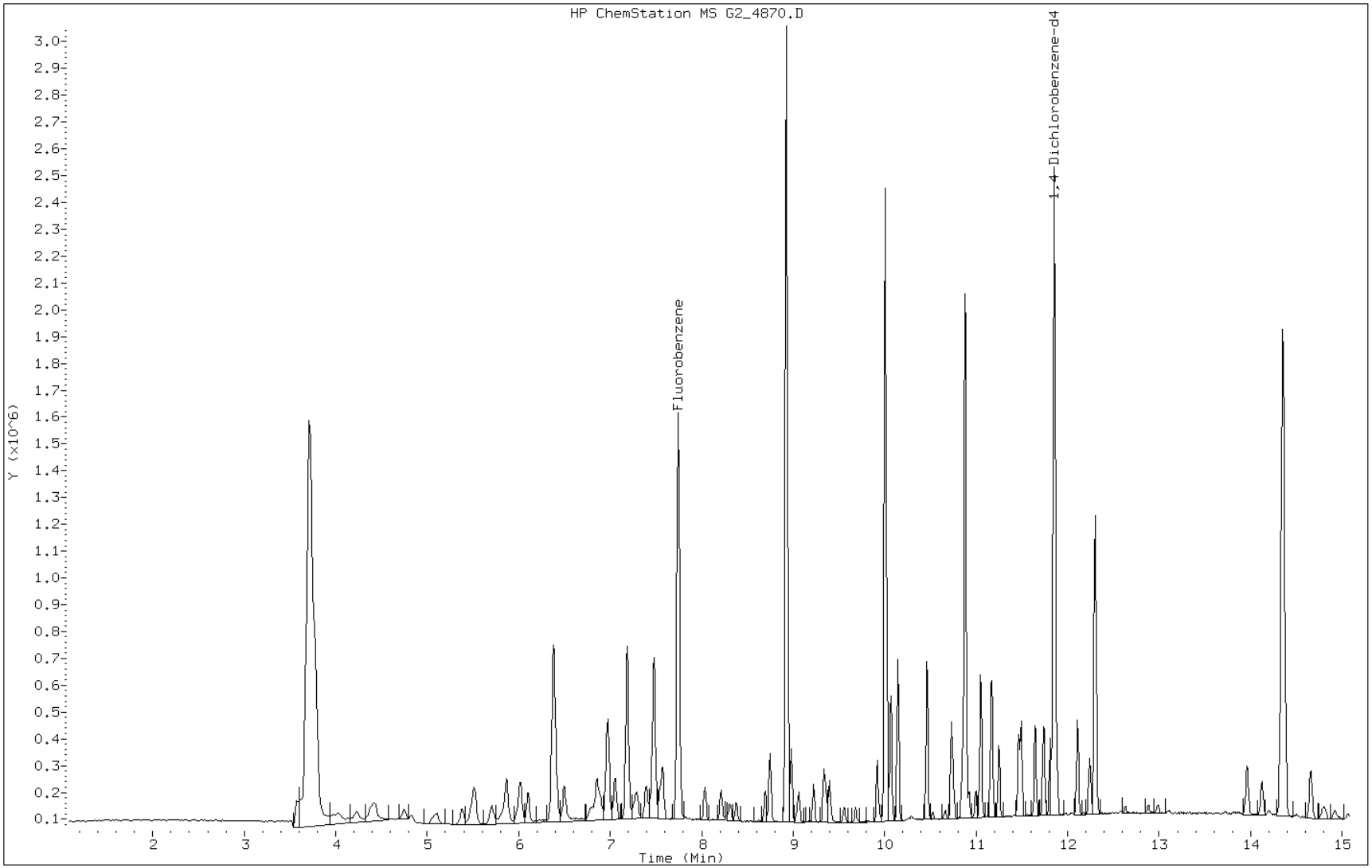
Date: 23-MAR-2012 21:50

Client ID:

Instrument: GCMS2.i

Sample Info: IC,,M005

Operator: JABLONSKIK



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4871.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 22:09
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : IC,,M010
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Comment :
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Meth Date : 25-Mar-2012 18:43 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 21:50 Cal File: G2_4870.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC367

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	1619596	50.0000	
* 87 Chlorobenzene-d5	119	10.004	10.004	(1.000)	400145	50.0000	(H)
* 112 1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	638867	50.0000	
M 1 1,2-Dichloroethene (total)	96				206727	20.0000	18.7956
M 2 Xylene (total)	106				528326	30.0000	26.9647
M 3 1,3-Dichloropropane (total)	75				243335	20.0000	20.1519
M 4 Trihalomethanes (total)	83				349659	40.0000	39.5067
5 Chlorotrifluoroethene	116	3.976	3.976	(0.513)	26295	10.0000	10.1636
6 dichlorodifluoromethane	85	4.031	4.031	(0.521)	89233	10.0000	9.95474(Q)
8 Chloromethane	50	4.241	4.241	(0.548)	98942	10.0000	9.68860
10 2-Chloro-1,1,1-trifluoroetha	118	4.436	4.436	(0.573)	122535	10.0000	9.57754
9 Vinyl Chloride	62	4.381	4.381	(0.566)	116240	10.0000	9.89457
12 Bromomethane	94	4.758	4.758	(0.614)	84455	10.0000	9.62305
13 Chloroethane	64	4.828	4.828	(0.623)	82402	10.0000	9.68057
15 Trichlorofluoromethane	101	5.107	5.107	(0.659)	147120	10.0000	9.35857
16 Ethanol	45	5.135	5.135	(0.663)	45802	500.000	306.562(Q)
24 1,1-Dichloroethene	96	5.526	5.526	(0.713)	95288	10.0000	9.69522
20 Acrolein	56	5.386	5.386	(0.695)	164004	100.000	90.3520(a)
21 Acetone	43	5.484	5.484	(0.708)	125284	40.0000	31.2809(Q)
25 Iodomethane	142	5.707	5.707	(0.737)	142407	10.0000	10.2292
26 Acetonitrile	41	5.721	5.721	(0.739)	113512	100.000	88.7985
31 Methylene Chloride	84	5.875	5.875	(0.759)	134364	10.0000	8.00662

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
30 tert-Butyl alcohol	59	5.833	5.833	(0.753)	230646	200.000	180.355
32 Acrylonitrile	53	6.022	6.022	(0.778)	369019	100.000	93.6147
34 trans-1,2-Dichloroethene	96	6.108	6.108	(0.789)	99925	10.0000	9.28757
38 1,1-Dichloroethane	63	6.422	6.422	(0.829)	181757	10.0000	9.58144
37 Isopropyl ether	87	6.386	6.386	(0.825)	434555	50.0000	48.9331
39 Chloroprene	53	6.494	6.494	(0.838)	150654	10.0000	9.48087
42 2-Butanone	43	6.794	6.794	(0.877)	173481	40.0000	36.5154
45 cis-1,2-Dichloroethene	96	6.858	6.858	(0.886)	106802	10.0000	9.50800
46 2,2-Dichloropropane	77	6.887	6.887	(0.889)	151882	10.0000	9.42198
44 Propionitrile	54	6.844	6.844	(0.884)	130314	100.000	91.8630
47 Methacrylonitrile	41	6.973	6.973	(0.900)	524458	100.000	94.8980
48 Bromochloromethane	128	7.051	7.051	(0.910)	49020	10.0000	9.87556
49 Chloroform	83	7.059	7.059	(0.911)	161457	10.0000	9.64492
53 1,1,1-Trichloroethane	97	7.287	7.287	(0.941)	144841	10.0000	9.66423
55 1,1-Dichloropropene	75	7.395	7.395	(0.955)	137896	10.0000	9.55449
56 Carbon Tetrachloride	117	7.438	7.438	(0.960)	106410	10.0000	9.82012
52 Isobutanol	41	7.259	7.259	(0.937)	70128	200.000	186.165
60 Benzene	78	7.573	7.573	(0.978)	389465	10.0000	9.55256
58 1,2-Dichloroethane	62	7.545	7.545	(0.974)	113629	10.0000	9.45472
62 n-Butanol	56	7.745	7.745	(1.000)	93159	300.000	257.864(Q)
63 Trichloroethene	95	8.038	8.038	(1.038)	93256	10.0000	9.35798
66 1,2-Dichloropropane	63	8.210	8.210	(1.060)	96998	10.0000	9.94064
68 1,4-Dioxane	88	8.260	8.260	(1.066)	45973	500.000	494.026
69 Dibromomethane	93	8.310	8.310	(1.073)	50350	10.0000	9.64187
70 Bromodichloromethane	83	8.381	8.381	(1.082)	98063	10.0000	9.82306
73 cis-1,3-Dichloropropene	75	8.696	8.696	(1.123)	131361	10.0000	10.1274
74 4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	370378	40.0000	38.9553
76 Toluene	91	8.982	8.982	(1.160)	395448	10.0000	9.61609
78 trans-1,3-Dichloropropene	75	9.068	9.068	(1.171)	111974	10.0000	10.0245
80 1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	66314	10.0000	9.45274
83 Tetrachloroethene	164	9.397	9.397	(0.939)	70954	10.0000	9.82362
82 1,3-Dichloropropane	76	9.361	9.361	(0.936)	121508	10.0000	9.78678
81 2-Hexanone	43	9.340	9.340	(0.934)	250291	40.0000	37.9898
84 Dibromochloromethane	129	9.561	9.561	(0.956)	60125	10.0000	10.2096
85 1,2-Dibromoethane	107	9.683	9.683	(0.968)	65601	10.0000	9.84568
86 1-Chlorohexane	91	9.919	9.919	(0.991)	132094	10.0000	9.35483
88 Chlorobenzene	112	10.033	10.033	(1.003)	245134	10.0000	9.40985
89 1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	78174	10.0000	10.5103
90 Ethylbenzene	106	10.069	10.069	(1.006)	140939	10.0000	9.65550
91 m and p-Xylene	106	10.147	10.147	(1.014)	351066	20.0000	17.9660
92 o-Xylene	106	10.469	10.469	(1.046)	177260	10.0000	8.99867
93 Styrene	104	10.462	10.462	(1.046)	280284	10.0000	10.0743
94 Bromoform	173	10.662	10.662	(1.066)	30014	10.0000	9.82910
95 isopropyl benzene	105	10.734	10.734	(0.905)	470500	10.0000	10.1293
97 Cyclohexanone	55	10.848	10.848	(1.084)	177839	400.000	369.531
99 1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.922)	97254	10.0000	9.78103
102 Bromobenzene	156	11.048	11.048	(0.932)	99683	10.0000	9.87351
101 1,2,3-Trichloropropane	110	10.998	10.998	(0.928)	27495	10.0000	9.86460
103 n-Propylbenzene	120	11.056	11.056	(0.932)	128343	10.0000	9.95208
105 2-Chlorotoluene	126	11.177	11.177	(0.943)	108582	10.0000	9.88488
104 1,3,5-Trimethylbenzene	105	11.163	11.163	(0.942)	380786	10.0000	10.1377
106 4-Chlorotoluene	126	11.256	11.256	(0.949)	105814	10.0000	9.83572
107 tert-Butylbenzene	119	11.463	11.463	(0.967)	356142	10.0000	10.2098
108 1,2,4-Trimethylbenzene	105	11.492	11.492	(0.969)	392220	10.0000	10.1074

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109	sec-Butylbenzene	105	11.649	11.649	(0.983)	502674	10.0000	10.1217
111	1,3-Dichlorobenzene	146	11.813	11.813	(0.996)	201950	10.0000	9.91048
110	4-Isopropyltoluene	119	11.742	11.742	(0.990)	425515	10.0000	10.0563
113	1,4-dichlorobenzene	146	11.878	11.878	(1.002)	201899	10.0000	9.59180
115	n-Butylbenzene	91	12.107	12.107	(1.021)	423453	10.0000	10.2353
116	1,2-Dichlorobenzene	146	12.243	12.243	(1.033)	194765	10.0000	9.78003
117	1,2-Dibromo-3-chloropropane	157	12.993	12.993	(1.096)	17056	10.0000	10.4964
118	1,2,4-Trichlorobenzene	180	13.966	13.966	(1.178)	146633	10.0000	9.88153
119	Hexachlorobutadiene	225	14.130	14.130	(1.192)	62426	10.0000	10.1268
120	Naphthalene	128	14.338	14.338	(1.209)	382251	10.0000	9.67305
121	1,2,3-Trichlorobenzene	180	14.659	14.659	(1.236)	136597	10.0000	9.84295

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4871.D

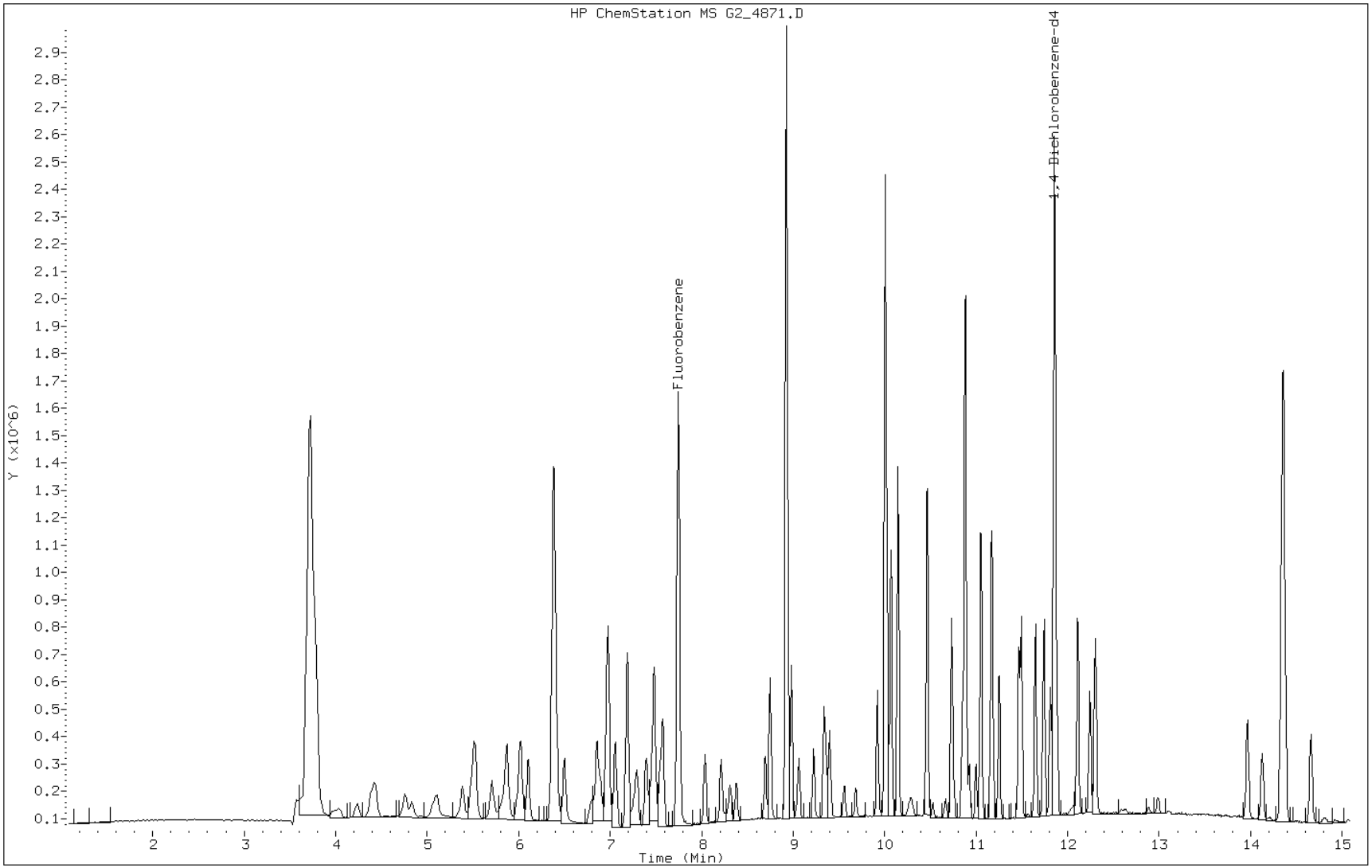
Date: 23-MAR-2012 22:09

Client ID:

Instrument: GCMS2.i

Sample Info: IC,,M010

Operator: JABLONSKIK



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4872.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 22:28
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : IC,,M020
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Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\8260B-soil.m
Meth Date : 25-Mar-2012 18:43 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 22:09 Cal File: G2_4871.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC367

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.745	7.745	(1.000)	1581183	50.0000	
* 87	Chlorobenzene-d5	119	10.012	10.012	(1.000)	397786	50.0000	(H)
* 112	1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	631446	50.0000	
M 1	1,2-Dichloroethene (total)	96				401387	40.0000	38.1435
M 2	Xylene (total)	106				1042304	60.0000	54.8999
M 3	1,3-Dichloropropane (total)	75				483482	40.0000	40.9098
M 4	Trihalomethanes (total)	83				698247	80.0000	81.9816
5	Chlorotrifluoroethene	116	3.976	3.976	(0.513)	50966	20.0000	20.0144
6	dichlorodifluoromethane	85	4.032	4.032	(0.521)	169328	20.0000	19.3928
8	Chloromethane	50	4.241	4.241	(0.548)	183952	20.0000	18.7424
10	2-Chloro-1,1,1-trifluoroetha	118	4.423	4.423	(0.571)	230312	20.0000	18.7023
9	Vinyl Chloride	62	4.381	4.381	(0.566)	218453	20.0000	19.1478
12	Bromomethane	94	4.758	4.758	(0.614)	162489	20.0000	19.3286
13	Chloroethane	64	4.828	4.828	(0.623)	151939	20.0000	18.5802
15	Trichlorofluoromethane	101	5.093	5.093	(0.658)	281671	20.0000	18.7539
16	Ethanol	45	5.121	5.121	(0.661)	113628	1000.00	965.842
24	1,1-Dichloroethene	96	5.526	5.526	(0.713)	177577	20.0000	18.6967
20	Acrolein	56	5.386	5.386	(0.695)	327381	200.000	190.879
21	Acetone	43	5.484	5.484	(0.708)	251674	80.0000	72.2376
25	Iodomethane	142	5.707	5.707	(0.737)	270546	20.0000	19.6801
26	Acetonitrile	41	5.707	5.707	(0.737)	252103	200.000	213.992(Q)
31	Methylene Chloride	84	5.875	5.875	(0.759)	227088	20.0000	19.7353

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
30 tert-Butyl alcohol	59	5.833	5.833	(0.753)	459542	400.000	380.531
32 Acrylonitrile	53	6.022	6.022	(0.778)	684144	200.000	181.640
34 trans-1,2-Dichloroethene	96	6.101	6.101	(0.788)	193657	20.0000	18.8853
38 1,1-Dichloroethane	63	6.422	6.422	(0.829)	350241	20.0000	19.1793
37 Isopropyl ether	87	6.379	6.379	(0.824)	839755	100.000	97.5518
39 Chloroprene	53	6.494	6.494	(0.838)	290689	20.0000	19.0678
42 2-Butanone	43	6.794	6.794	(0.877)	364963	80.0000	82.2695
45 cis-1,2-Dichloroethene	96	6.851	6.851	(0.885)	207730	20.0000	19.2582
46 2,2-Dichloropropane	77	6.894	6.894	(0.890)	294569	20.0000	19.0852
44 Propionitrile	54	6.844	6.844	(0.884)	268865	200.000	199.549
47 Methacrylonitrile	41	6.973	6.973	(0.900)	1080795	200.000	203.781
48 Bromochloromethane	128	7.052	7.052	(0.910)	93162	20.0000	19.3044
49 Chloroform	83	7.059	7.059	(0.911)	315078	20.0000	19.5099
53 1,1,1-Trichloroethane	97	7.287	7.287	(0.941)	281416	20.0000	19.4508
55 1,1-Dichloropropene	75	7.395	7.395	(0.955)	267018	20.0000	19.2362
56 Carbon Tetrachloride	117	7.438	7.438	(0.960)	203517	20.0000	19.3540
52 Isobutanol	41	7.252	7.252	(0.936)	148107	400.000	417.152
60 Benzene	78	7.573	7.573	(0.978)	749988	20.0000	19.1274
58 1,2-Dichloroethane	62	7.538	7.538	(0.973)	224211	20.0000	19.4629
62 n-Butanol	56	7.745	7.745	(1.000)	194041	600.000	591.708
63 Trichloroethene	95	8.038	8.038	(1.038)	183841	20.0000	19.3093
66 1,2-Dichloropropane	63	8.210	8.210	(1.060)	190292	20.0000	20.0150
68 1,4-Dioxane	88	8.260	8.260	(1.066)	99015	1000.00	1096.41
69 Dibromomethane	93	8.310	8.310	(1.073)	101458	20.0000	20.1413
70 Bromodichloromethane	83	8.381	8.381	(1.082)	195327	20.0000	20.1603
73 cis-1,3-Dichloropropene	75	8.696	8.696	(1.123)	260920	20.0000	20.5175
74 4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	759992	80.0000	82.9590
76 Toluene	91	8.982	8.982	(1.160)	765638	20.0000	19.3175
78 trans-1,3-Dichloropropene	75	9.068	9.068	(1.171)	222562	20.0000	20.3923
80 1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	135083	20.0000	20.0897
83 Tetrachloroethene	164	9.404	9.404	(0.939)	139178	20.0000	19.4982
82 1,3-Dichloropropane	76	9.361	9.361	(0.935)	242797	20.0000	19.8127
81 2-Hexanone	43	9.340	9.340	(0.933)	517129	80.0000	80.3019
84 Dibromochloromethane	129	9.561	9.561	(0.955)	123270	20.0000	20.9101
85 1,2-Dibromoethane	107	9.683	9.683	(0.967)	135181	20.0000	20.5144
86 1-Chlorohexane	91	9.919	9.919	(0.991)	260931	20.0000	18.9971
88 Chlorobenzene	112	10.033	10.033	(1.002)	490823	20.0000	19.3330
89 1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	157027	20.0000	20.8819
90 Ethylbenzene	106	10.069	10.069	(1.006)	279231	20.0000	19.4666
91 m and p-Xylene	106	10.148	10.148	(1.014)	689581	40.0000	36.4251
92 o-Xylene	106	10.469	10.469	(1.046)	352723	20.0000	18.4748
93 Styrene	104	10.462	10.462	(1.045)	553121	20.0000	19.9495
94 Bromoform	173	10.662	10.662	(1.065)	64572	20.0000	21.4012
95 isopropyl benzene	105	10.734	10.734	(0.905)	917162	20.0000	19.8917
97 Cyclohexanone	55	10.848	10.848	(1.084)	373495	800.000	811.597
99 1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.922)	198131	20.0000	20.3088
102 Bromobenzene	156	11.056	11.056	(0.932)	195420	20.0000	19.6666
101 1,2,3-Trichloropropane	110	10.998	10.998	(0.928)	56494	20.0000	20.6000
103 n-Propylbenzene	120	11.056	11.056	(0.932)	255320	20.0000	20.0630
105 2-Chlorotoluene	126	11.177	11.177	(0.943)	211769	20.0000	19.5803
104 1,3,5-Trimethylbenzene	105	11.163	11.163	(0.942)	746388	20.0000	20.0128
106 4-Chlorotoluene	126	11.256	11.256	(0.949)	205998	20.0000	19.4798
107 tert-Butylbenzene	119	11.470	11.470	(0.967)	724682	20.0000	20.8732
108 1,2,4-Trimethylbenzene	105	11.499	11.499	(0.970)	769003	20.0000	19.9783

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	105	11.649	11.649	(0.983)	1007208	20.0000	20.4363
111 1,3-Dichlorobenzene	146	11.814	11.814	(0.996)	398145	20.0000	19.8273
110 4-Isopropyltoluene	119	11.742	11.742	(0.990)	841822	20.0000	20.0911
113 1,4-dichlorobenzene	146	11.878	11.878	(1.002)	398257	20.0000	19.4068
115 n-Butylbenzene	91	12.114	12.114	(1.022)	829721	20.0000	20.0550
116 1,2-Dichlorobenzene	146	12.243	12.243	(1.033)	387789	20.0000	19.8470
117 1,2-Dibromo-3-chloropropane	157	12.993	12.993	(1.096)	37043	20.0000	22.1360
118 1,2,4-Trichlorobenzene	180	13.966	13.966	(1.178)	292562	20.0000	20.0662
119 Hexachlorobutadiene	225	14.130	14.130	(1.192)	128844	20.0000	21.0578
120 Naphthalene	128	14.338	14.338	(1.209)	803606	20.0000	20.9166
121 1,2,3-Trichlorobenzene	180	14.667	14.667	(1.237)	276057	20.0000	20.2853

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4872.D

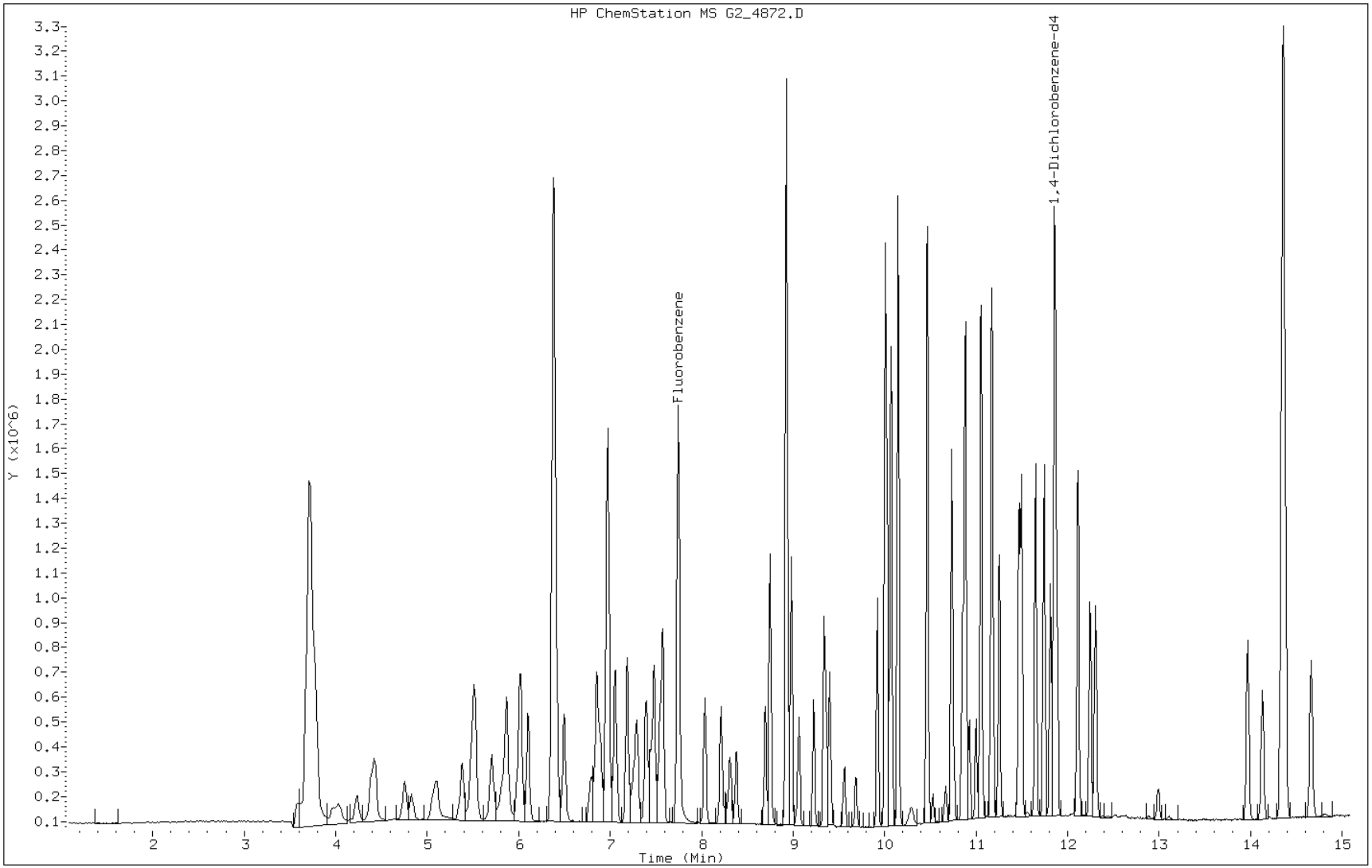
Date: 23-MAR-2012 22:28

Client ID:

Instrument: GCMS2.i

Sample Info: IC,,M020

Operator: JABLONSKIK



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4873.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 23:09
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : IC,,M050
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Comment :
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Meth Date : 25-Mar-2012 18:43 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 22:28 Cal File: G2_4872.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC367

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
* 61	Fluorobenzene	96	7.745	7.745	(1.000)	1549925	50.0000		
* 87	Chlorobenzene-d5	119	10.004	10.004	(1.000)	387790	50.0000		(H)
* 112	1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	592238	50.0000		
M 1	1,2-Dichloroethene (total)	96				1073271	100.000	105.322	
M 2	Xylene (total)	106				2786692	150.000	153.169	
M 3	1,3-Dichloropropane (total)	75				1261259	100.000	108.208	
M 4	Trihalomethanes (total)	83				1843735	200.000	219.949	
5	Chlorotrifluoroethene	116	3.962	3.962	(0.512)	207941	50.0000	83.2855	
6	dichlorodifluoromethane	85	4.031	4.031	(0.521)	675616	50.0000	79.7446	
8	Chloromethane	50	4.241	4.241	(0.548)	592606	50.0000	62.9154	
10	2-Chloro-1,1,1-trifluoroetha	118	4.422	4.422	(0.571)	598236	50.0000	50.3761	
9	Vinyl Chloride	62	4.381	4.381	(0.566)	708162	50.0000	64.2359	
12	Bromomethane	94	4.758	4.758	(0.614)	490071	50.0000	60.1442	
13	Chloroethane	64	4.827	4.827	(0.623)	454811	50.0000	58.1143	
15	Trichlorofluoromethane	101	5.093	5.093	(0.658)	854467	50.0000	58.9568	
16	Ethanol	45	5.107	5.107	(0.659)	264590	2500.00	2320.80	
24	1,1-Dichloroethene	96	5.526	5.526	(0.713)	500222	50.0000	54.6193	
20	Acrolein	56	5.372	5.372	(0.694)	864520	500.000	520.153	
21	Acetone	43	5.484	5.484	(0.708)	619282	200.000	187.397	
25	Iodomethane	142	5.693	5.693	(0.735)	745876	50.0000	55.6476	
26	Acetonitrile	41	5.707	5.707	(0.737)	498144	500.000	421.536(Q)	
31	Methylene Chloride	84	5.861	5.861	(0.757)	545595	50.0000	53.9562	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
30 tert-Butyl alcohol	59	5.833	5.833	(0.753)	984379	1000.00	841.812(Q)
32 Acrylonitrile	53	6.015	6.015	(0.777)	1517651	500.000	420.717
34 trans-1,2-Dichloroethene	96	6.100	6.100	(0.788)	527737	50.0000	53.2443
38 1,1-Dichloroethane	63	6.415	6.415	(0.828)	921894	50.0000	52.0352
37 Isopropyl ether	87	6.379	6.379	(0.824)	2135809	250.000	254.673
39 Chloroprene	53	6.494	6.494	(0.838)	800544	50.0000	54.2025
42 2-Butanone	43	6.794	6.794	(0.877)	904701	200.000	206.100
45 cis-1,2-Dichloroethene	96	6.851	6.851	(0.885)	545534	50.0000	52.0781
46 2,2-Dichloropropane	77	6.887	6.887	(0.889)	831950	50.0000	55.6254
44 Propionitrile	54	6.844	6.844	(0.884)	623034	500.000	472.002
47 Methacrylonitrile	41	6.973	6.973	(0.900)	2517990	500.000	482.057
48 Bromochloromethane	128	7.044	7.044	(0.910)	237660	50.0000	50.6802
49 Chloroform	83	7.059	7.059	(0.911)	815439	50.0000	51.8285
53 1,1,1-Trichloroethane	97	7.287	7.287	(0.941)	784833	50.0000	55.7223
55 1,1-Dichloropropene	75	7.387	7.387	(0.954)	731994	50.0000	54.3155
56 Carbon Tetrachloride	117	7.437	7.437	(0.960)	609692	50.0000	59.6312
52 Isobutanol	41	7.252	7.252	(0.936)	332777	1000.00	942.714
60 Benzene	78	7.573	7.573	(0.978)	1998816	50.0000	52.5786
58 1,2-Dichloroethane	62	7.538	7.538	(0.973)	560825	50.0000	50.0006
62 n-Butanol	56	7.745	7.745	(1.000)	414225	1500.00	1294.57
63 Trichloroethene	95	8.031	8.031	(1.037)	488711	50.0000	52.8219
66 1,2-Dichloropropane	63	8.210	8.210	(1.060)	487615	50.0000	52.3122
68 1,4-Dioxane	88	8.260	8.260	(1.066)	215932	2500.00	2363.33
69 Dibromomethane	93	8.310	8.310	(1.073)	247242	50.0000	49.9838(H)
70 Bromodichloromethane	83	8.381	8.381	(1.082)	520375	50.0000	54.6832
73 cis-1,3-Dichloropropene	75	8.696	8.696	(1.123)	684387	50.0000	54.5494
74 4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	1930389	200.000	212.348
76 Toluene	91	8.982	8.982	(1.160)	2067041	50.0000	53.6622
78 trans-1,3-Dichloropropene	75	9.068	9.068	(1.171)	576872	50.0000	53.6588
80 1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	334103	50.0000	50.6335
83 Tetrachloroethene	164	9.397	9.397	(0.939)	384523	50.0000	55.6072
82 1,3-Dichloropropane	76	9.361	9.361	(0.936)	602999	50.0000	50.5927
81 2-Hexanone	43	9.332	9.332	(0.933)	1273184	200.000	202.610
84 Dibromochloromethane	129	9.561	9.561	(0.956)	332204	50.0000	57.1535
85 1,2-Dibromoethane	107	9.683	9.683	(0.968)	332427	50.0000	51.4172
86 1-Chlorohexane	91	9.919	9.919	(0.991)	729868	50.0000	55.1999
88 Chlorobenzene	112	10.033	10.033	(1.003)	1272457	50.0000	51.8450
89 1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	427779	50.0000	57.7174
90 Ethylbenzene	106	10.069	10.069	(1.006)	763018	50.0000	54.9314
91 m and p-Xylene	106	10.147	10.147	(1.014)	1848890	100.000	102.003
92 o-Xylene	106	10.469	10.469	(1.046)	937802	50.0000	51.1664
93 Styrene	104	10.462	10.462	(1.046)	1436642	50.0000	53.1847
94 Bromoform	173	10.669	10.669	(1.066)	175717	50.0000	56.2838
95 isopropyl benzene	105	10.734	10.734	(0.905)	2488856	50.0000	57.6307
97 Cyclohexanone	55	10.848	10.848	(1.084)	901999	2000.00	2000.88
99 1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.922)	474979	50.0000	51.7099
102 Bromobenzene	156	11.055	11.055	(0.932)	496391	50.0000	53.4857
101 1,2,3-Trichloropropane	110	10.998	10.998	(0.928)	132904	50.0000	51.2858
103 n-Propylbenzene	120	11.055	11.055	(0.932)	694268	50.0000	58.1213
105 2-Chlorotoluene	126	11.177	11.177	(0.943)	568947	50.0000	56.3837
104 1,3,5-Trimethylbenzene	105	11.163	11.163	(0.942)	2012347	50.0000	57.5197
106 4-Chlorotoluene	126	11.256	11.256	(0.949)	539259	50.0000	54.7258
107 tert-Butylbenzene	119	11.470	11.470	(0.967)	1950933	50.0000	59.2665
108 1,2,4-Trimethylbenzene	105	11.492	11.492	(0.969)	2024344	50.0000	56.0884

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	105	11.649	11.649	(0.983)	2710419	50.0000	58.3173
111 1,3-Dichlorobenzene	146	11.813	11.813	(0.996)	1014663	50.0000	53.9912(H)
110 4-Isopropyltoluene	119	11.742	11.742	(0.990)	2247694	50.0000	57.1303
113 1,4-dichlorobenzene	146	11.878	11.878	(1.002)	1016352	50.0000	53.1994
115 n-Butylbenzene	91	12.114	12.114	(1.022)	2193655	50.0000	56.4808
116 1,2-Dichlorobenzene	146	12.242	12.242	(1.033)	968201	50.0000	52.9342
117 1,2-Dibromo-3-chloropropane	157	12.993	12.993	(1.096)	89732	50.0000	51.8098
118 1,2,4-Trichlorobenzene	180	13.966	13.966	(1.178)	713943	50.0000	52.1521
119 Hexachlorobutadiene	225	14.130	14.130	(1.192)	329388	50.0000	56.6489
120 Naphthalene	128	14.337	14.337	(1.209)	1788578	50.0000	48.8890
121 1,2,3-Trichlorobenzene	180	14.659	14.659	(1.236)	653314	50.0000	50.9429

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4873.D

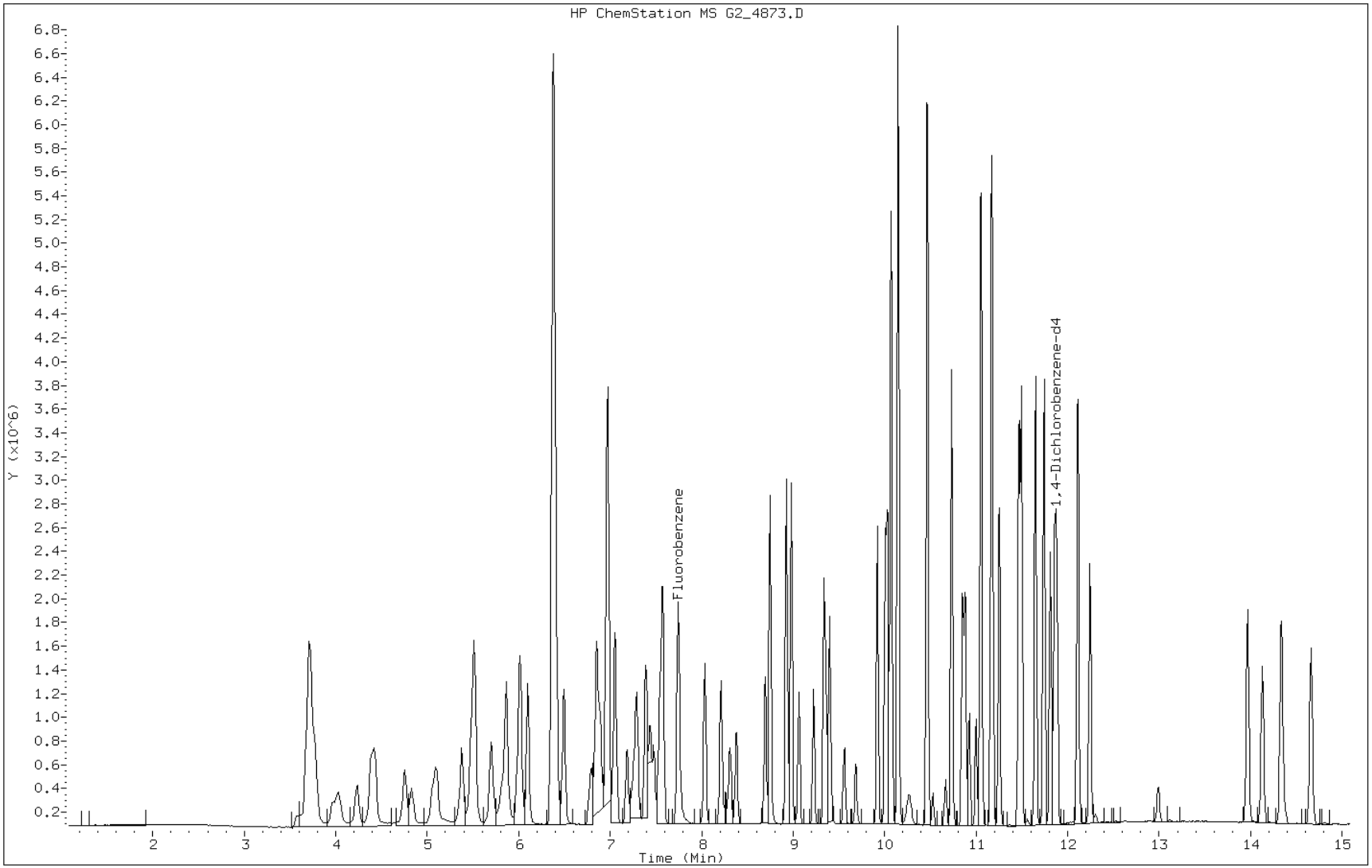
Date: 23-MAR-2012 23:09

Client ID:

Instrument: GCMS2.i

Sample Info: IC,,M050

Operator: JABLONSKIK



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4874.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 23:28
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : IC,,M100
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Meth Date : 25-Mar-2012 18:43 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 23:09 Cal File: G2_4873.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC367

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
*	61 Fluorobenzene	96	7.745	7.745	(1.000)	1595727	50.0000		
*	87 Chlorobenzene-d5	119	10.004	10.004	(1.000)	401726	50.0000		(H)
*	112 1,4-Dichlorobenzene-d4	152	11.849	11.849	(1.000)	612028	50.0000		
M	1 1,2-Dichloroethene (total)	96				2176483	200.000	205.230	
M	2 Xylene (total)	106				5744902	300.000	303.738	
M	3 1,3-Dichloropropane (total)	75				2705126	200.000	221.812	
M	4 Trihalomethanes (total)	83				3944898	400.000	447.557	
	5 Chlorotrifluoroethene	116	3.975	3.975	(0.513)	454201	100.000	151.486	
	6 dichlorodifluoromethane	85	4.031	4.031	(0.521)	1278797	100.000	127.626	
	8 Chloromethane	50	4.241	4.241	(0.548)	1104210	100.000	106.959	
	10 2-Chloro-1,1,1-trifluoroetha	118	4.436	4.436	(0.573)	1259331	100.000	102.847	
	9 Vinyl Chloride	62	4.394	4.394	(0.567)	1306695	100.000	107.475	
	12 Bromomethane	94	4.758	4.758	(0.614)	808952	100.000	91.7745	
	13 Chloroethane	64	4.827	4.827	(0.623)	806359	100.000	96.1747	
	15 Trichlorofluoromethane	101	5.093	5.093	(0.658)	1598611	100.000	103.430	
	16 Ethanol	45	5.163	5.163	(0.667)	649336	5000.00	5633.00(Q)	
	24 1,1-Dichloroethene	96	5.526	5.526	(0.713)	989079	100.000	102.995	
	20 Acrolein	56	5.386	5.386	(0.695)	1666723	1000.00	966.239	
	21 Acetone	43	5.484	5.484	(0.708)	1163320	400.000	347.394	
	25 Iodomethane	142	5.693	5.693	(0.735)	1507314	100.000	106.229	
	26 Acetonitrile	41	5.707	5.707	(0.737)	1245309	1000.00	1065.34	
	31 Methylene Chloride	84	5.875	5.875	(0.759)	1087075	100.000	100.650	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
30 tert-Butyl alcohol	59	5.833	5.833	(0.753)	2263311	2000.00	1941.38(Q)
32 Acrylonitrile	53	6.014	6.014	(0.777)	3322390	1000.00	923.883
34 trans-1,2-Dichloroethene	96	6.100	6.100	(0.788)	1063264	100.000	102.861
38 1,1-Dichloroethane	63	6.422	6.422	(0.829)	1877408	100.000	102.095
37 Isopropyl ether	87	6.379	6.379	(0.824)	4413750	500.000	509.284
39 Chloroprene	53	6.494	6.494	(0.838)	1604506	100.000	103.774
42 2-Butanone	43	6.794	6.794	(0.877)	1699512	400.000	373.208
45 cis-1,2-Dichloroethene	96	6.851	6.851	(0.885)	1113219	100.000	102.370
46 2,2-Dichloropropane	77	6.894	6.894	(0.890)	1659977	100.000	105.430
44 Propionitrile	54	6.844	6.844	(0.884)	1327621	1000.00	987.984
47 Methacrylonitrile	41	6.973	6.973	(0.900)	5252351	1000.00	983.735
48 Bromochloromethane	128	7.051	7.051	(0.910)	502202	100.000	103.737
49 Chloroform	83	7.058	7.058	(0.911)	1687658	100.000	103.431
53 1,1,1-Trichloroethane	97	7.287	7.287	(0.941)	1572230	100.000	105.996
55 1,1-Dichloropropene	75	7.394	7.394	(0.955)	1478580	100.000	104.756
56 Carbon Tetrachloride	117	7.437	7.437	(0.960)	1246439	100.000	114.017
52 Isobutanol	41	7.251	7.251	(0.936)	742084	2000.00	2071.55
60 Benzene	78	7.573	7.573	(0.978)	4092599	100.000	103.498
58 1,2-Dichloroethane	62	7.537	7.537	(0.973)	1168547	100.000	101.192
62 n-Butanol	56	7.752	7.752	(1.001)	966576	3000.00	3038.14
63 Trichloroethene	95	8.038	8.038	(1.038)	1004002	100.000	104.226
66 1,2-Dichloropropane	63	8.210	8.210	(1.060)	1016202	100.000	104.920
68 1,4-Dioxane	88	8.260	8.260	(1.066)	521760	5000.00	5623.50
69 Dibromomethane	93	8.310	8.310	(1.073)	524199	100.000	102.940
70 Bromodichloromethane	83	8.381	8.381	(1.082)	1116085	100.000	111.822
73 cis-1,3-Dichloropropene	75	8.696	8.696	(1.123)	1465292	100.000	111.412
74 4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	3653765	400.000	384.454
76 Toluene	91	8.982	8.982	(1.160)	4210051	100.000	104.627
78 trans-1,3-Dichloropropene	75	9.060	9.060	(1.170)	1239834	100.000	110.400
80 1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	709466	100.000	104.170
83 Tetrachloroethene	164	9.397	9.397	(0.939)	779967	100.000	106.492
82 1,3-Dichloropropane	76	9.361	9.361	(0.936)	1270812	100.000	102.681
81 2-Hexanone	43	9.332	9.332	(0.933)	2411943	400.000	369.549
84 Dibromochloromethane	129	9.554	9.554	(0.955)	740343	100.000	119.532
85 1,2-Dibromoethane	107	9.683	9.683	(0.968)	706189	100.000	104.844
86 1-Chlorohexane	91	9.919	9.919	(0.991)	1459194	100.000	104.360
88 Chlorobenzene	112	10.033	10.033	(1.003)	2648565	100.000	103.406
89 1,1,1,2-Tetrachloroethane	131	10.062	10.062	(1.006)	921513	100.000	116.426
90 Ethylbenzene	106	10.069	10.069	(1.006)	1570881	100.000	107.056
91 m and p-Xylene	106	10.147	10.147	(1.014)	3805783	200.000	202.006
92 o-Xylene	106	10.462	10.462	(1.046)	1939119	100.000	101.732
93 Styrene	104	10.462	10.462	(1.046)	2996867	100.000	105.749
94 Bromoform	173	10.662	10.662	(1.066)	400812	100.000	112.772
95 isopropyl benzene	105	10.726	10.726	(0.905)	5097657	100.000	110.839
97 Cyclohexanone	55	10.848	10.848	(1.084)	1848613	4000.00	3958.04
99 1,1,2,2-Tetrachloroethane	83	10.920	10.920	(0.922)	1008451	100.000	105.516
102 Bromobenzene	156	11.048	11.048	(0.932)	1049136	100.000	107.884
101 1,2,3-Trichloropropane	110	10.991	10.991	(0.928)	276638	100.000	102.770
103 n-Propylbenzene	120	11.048	11.048	(0.932)	1428697	100.000	112.096
105 2-Chlorotoluene	126	11.170	11.170	(0.943)	1172394	100.000	109.630
104 1,3,5-Trimethylbenzene	105	11.163	11.163	(0.942)	4190978	100.000	112.534
106 4-Chlorotoluene	126	11.248	11.248	(0.949)	1116521	100.000	107.610
107 tert-Butylbenzene	119	11.463	11.463	(0.967)	4140893	100.000	117.376
108 1,2,4-Trimethylbenzene	105	11.492	11.492	(0.970)	4220465	100.000	110.465

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	105	11.642	11.642	(0.983)	5605494	100.000	112.950
111 1,3-Dichlorobenzene	146	11.806	11.806	(0.996)	2106778	100.000	106.774
110 4-Isopropyltoluene	119	11.735	11.735	(0.990)	4685024	100.000	112.035
113 1,4-dichlorobenzene	146	11.878	11.878	(1.002)	2100586	100.000	105.052
115 n-Butylbenzene	91	12.106	12.106	(1.022)	4474859	100.000	107.991
116 1,2-Dichlorobenzene	146	12.235	12.235	(1.033)	2023186	100.000	105.795
117 1,2-Dibromo-3-chloropropane	157	12.986	12.986	(1.096)	203814	100.000	109.628
118 1,2,4-Trichlorobenzene	180	13.958	13.958	(1.178)	1548111	100.000	108.265
119 Hexachlorobutadiene	225	14.123	14.123	(1.192)	716640	100.000	116.174
120 Naphthalene	128	14.323	14.323	(1.209)	3945398	100.000	104.939
121 1,2,3-Trichlorobenzene	180	14.652	14.652	(1.237)	1446077	100.000	108.601

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4874.D

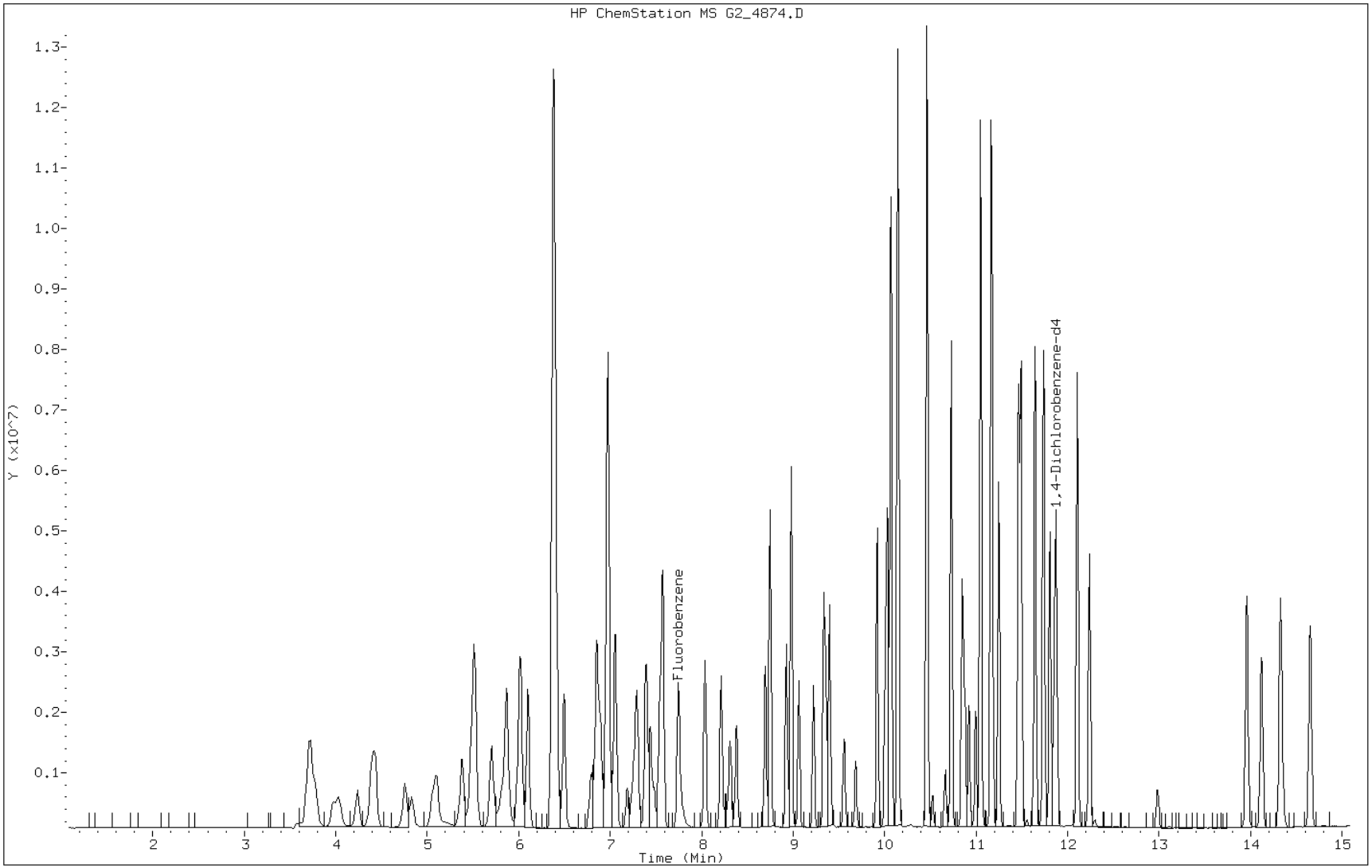
Date: 23-MAR-2012 23:28

Client ID:

Instrument: GCMS2.i

Sample Info: IC,,M100

Operator: JABLONSKIK



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4875.D
Lab Smp Id: IC
Inj Date : 23-MAR-2012 23:47
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : IC,,M200
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Meth Date : 25-Mar-2012 18:51 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 23:47 Cal File: G2_4875.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC367

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.738	7.738	(1.000)	1671369	50.0000	
* 87	Chlorobenzene-d5	119	10.005	10.005	(1.000)	418480	50.0000	(H)
* 112	1,4-Dichlorobenzene-d4	152	11.849	11.849	(1.000)	612281	50.0000	
M 1	1,2-Dichloroethene (total)	96				4398811	400.000	395.072
M 2	Xylene (total)	106				11645587	600.000	591.232
M 3	1,3-Dichloropropane (total)	75				5628858	400.000	427.663
M 4	Trihalomethanes (total)	83				8196374	800.000	852.746
5	Chlorotrifluoroethene	116	3.962	3.962	(0.512)	970622	200.000	201.870(A)
6	dichlorodifluoromethane	85	4.018	4.018	(0.519)	2702244	200.000	197.690
8	Chloromethane	50	4.227	4.227	(0.546)	2338862	200.000	210.987(A)
10	2-Chloro-1,1,1-trifluoroetha	118	4.423	4.423	(0.572)	2487707	200.000	194.017
9	Vinyl Chloride	62	4.381	4.381	(0.566)	2755546	200.000	210.879(A)
12	Bromomethane	94	4.744	4.744	(0.613)	1437109	200.000	163.966
13	Chloroethane	64	4.814	4.814	(0.622)	1522797	200.000	178.499
15	Trichlorofluoromethane	101	5.093	5.093	(0.658)	3344853	200.000	204.647(A)
16	Ethanol	45	5.163	5.163	(0.667)	1297118	10000.0	9997.58
24	1,1-Dichloroethene	96	5.512	5.512	(0.712)	2009600	200.000	198.971
20	Acrolein	56	5.372	5.372	(0.694)	3572068	2000.00	1989.95
21	Acetone	43	5.484	5.484	(0.709)	2477906	800.000	736.985
25	Iodomethane	142	5.694	5.694	(0.736)	3034663	200.000	201.396(A)
26	Acetonitrile	41	5.707	5.707	(0.738)	2338943	2000.00	1903.86
31	Methylene Chloride	84	5.861	5.861	(0.757)	2168316	200.000	197.140

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
30 tert-Butyl alcohol	59	5.833	5.833	(0.754)	4539138	4000.00	3771.16
32 Acrylonitrile	53	6.015	6.015	(0.777)	6514519	2000.00	1783.40
34 trans-1,2-Dichloroethene	96	6.101	6.101	(0.788)	2142185	200.000	197.353
38 1,1-Dichloroethane	63	6.415	6.415	(0.829)	3797629	200.000	196.980
37 Isopropyl ether	87	6.379	6.379	(0.824)	8925409	1000.00	983.000
39 Chloroprene	53	6.487	6.487	(0.838)	3261636	200.000	200.124(A)
42 2-Butanone	43	6.787	6.787	(0.877)	3653946	800.000	780.307
45 cis-1,2-Dichloroethene	96	6.851	6.851	(0.885)	2256626	200.000	197.719
46 2,2-Dichloropropane	77	6.887	6.887	(0.890)	3367339	200.000	202.019(A)
44 Propionitrile	54	6.837	6.837	(0.884)	2703500	2000.00	1935.09
47 Methacrylonitrile	41	6.973	6.973	(0.901)	10475912	2000.00	1894.83
48 Bromochloromethane	128	7.044	7.044	(0.910)	1023441	200.000	200.505(A)
49 Chloroform	83	7.059	7.059	(0.912)	3402354	200.000	198.240
53 1,1,1-Trichloroethane	97	7.287	7.287	(0.942)	3217362	200.000	204.306(A)
55 1,1-Dichloropropene	75	7.388	7.388	(0.955)	3014598	200.000	201.978(A)
56 Carbon Tetrachloride	117	7.430	7.430	(0.960)	2603377	200.000	218.710(A)
52 Isobutanol	41	7.252	7.252	(0.937)	1527541	4000.00	4035.17(A)
60 Benzene	78	7.566	7.566	(0.978)	8289101	200.000	199.122
58 1,2-Dichloroethane	62	7.538	7.538	(0.974)	2375815	200.000	196.593
62 n-Butanol	56	7.752	7.752	(1.002)	1986024	6000.00	5953.96(A)
63 Trichloroethene	95	8.031	8.031	(1.038)	2083045	200.000	204.280(A)
66 1,2-Dichloropropane	63	8.210	8.210	(1.061)	2089759	200.000	203.693(A)
68 1,4-Dioxane	88	8.260	8.260	(1.067)	1025989	10000.0	10249.3(A)
69 Dibromomethane	93	8.310	8.310	(1.074)	1072154	200.000	200.031(A)
70 Bromodichloromethane	83	8.374	8.374	(1.082)	2339314	200.000	216.441(A)
73 cis-1,3-Dichloropropene	75	8.696	8.696	(1.124)	3060182	200.000	215.234(A)
74 4-Methyl-2-pentanone	43	8.746	8.746	(1.130)	7629935	800.000	776.954
76 Toluene	91	8.975	8.975	(1.160)	8463247	200.000	199.374
78 trans-1,3-Dichloropropene	75	9.061	9.061	(1.171)	2568676	200.000	212.429(A)
80 1,1,2-Trichloroethane	97	9.225	9.225	(1.192)	1450977	200.000	201.711(A)
83 Tetrachloroethene	164	9.397	9.397	(0.939)	1626074	200.000	209.224(A)
82 1,3-Dichloropropane	76	9.361	9.361	(0.936)	2591261	200.000	200.083(A)
81 2-Hexanone	43	9.332	9.332	(0.933)	4979951	800.000	749.656
84 Dibromochloromethane	129	9.554	9.554	(0.955)	1585541	200.000	231.709(A)
85 1,2-Dibromoethane	107	9.683	9.683	(0.968)	1453308	200.000	204.669(A)
86 1-Chlorohexane	91	9.919	9.919	(0.991)	2981688	200.000	202.764(A)
88 Chlorobenzene	112	10.026	10.026	(1.002)	5374615	200.000	200.257(A)
89 1,1,1,2-Tetrachloroethane	131	10.062	10.062	(1.006)	1932385	200.000	223.631(A)
90 Ethylbenzene	106	10.069	10.069	(1.006)	3217477	200.000	206.858(A)
91 m and p-Xylene	106	10.148	10.148	(1.014)	7700483	400.000	392.812
92 o-Xylene	106	10.462	10.462	(1.046)	3945104	200.000	198.420
93 Styrene	104	10.462	10.462	(1.046)	6033651	200.000	202.090(A)
94 Bromoform	173	10.662	10.662	(1.066)	869165	200.000	206.356(A)
95 isopropyl benzene	105	10.727	10.727	(0.905)	10080093	200.000	212.884(A)
97 Cyclohexanone	55	10.848	10.848	(1.084)	3760570	8000.00	7786.87
99 1,1,2,2-Tetrachloroethane	83	10.920	10.920	(0.922)	2042776	200.000	209.950(A)
102 Bromobenzene	156	11.049	11.049	(0.932)	2127834	200.000	213.459(A)
101 1,2,3-Trichloropropane	110	10.991	10.991	(0.928)	555323	200.000	204.499(A)
103 n-Propylbenzene	120	11.049	11.049	(0.932)	2909265	200.000	219.942(A)
105 2-Chlorotoluene	126	11.170	11.170	(0.943)	2393415	200.000	217.052(A)
104 1,3,5-Trimethylbenzene	105	11.163	11.163	(0.942)	8395679	200.000	217.511(A)
106 4-Chlorotoluene	126	11.249	11.249	(0.949)	2233452	200.000	210.599(A)
107 tert-Butylbenzene	119	11.463	11.463	(0.967)	8457154	200.000	227.536(A)
108 1,2,4-Trimethylbenzene	105	11.492	11.492	(0.970)	8373024	200.000	212.978(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	105	11.642	11.642	(0.983)	11057939	200.000	215.248(A)
111 1,3-Dichlorobenzene	146	11.806	11.806	(0.996)	4130953	200.000	205.918(A)
110 4-Isopropyltoluene	119	11.735	11.735	(0.990)	9263976	200.000	214.470(A)
113 1,4-dichlorobenzene	146	11.878	11.878	(1.002)	4096631	200.000	202.636(A)
115 n-Butylbenzene	91	12.107	12.107	(1.022)	8634119	200.000	204.152(A)
116 1,2-Dichlorobenzene	146	12.235	12.235	(1.033)	3989172	200.000	205.561(A)
117 1,2-Dibromo-3-chloropropane	157	12.986	12.986	(1.096)	421654	200.000	201.579(A)
118 1,2,4-Trichlorobenzene	180	13.959	13.959	(1.178)	2952422	200.000	202.520(A)
119 Hexachlorobutadiene	225	14.123	14.123	(1.192)	1418911	200.000	220.133(A)
120 Naphthalene	128	14.323	14.323	(1.209)	7442575	200.000	196.605
121 1,2,3-Trichlorobenzene	180	14.652	14.652	(1.237)	2741107	200.000	201.908(A)

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: G2_4875.D

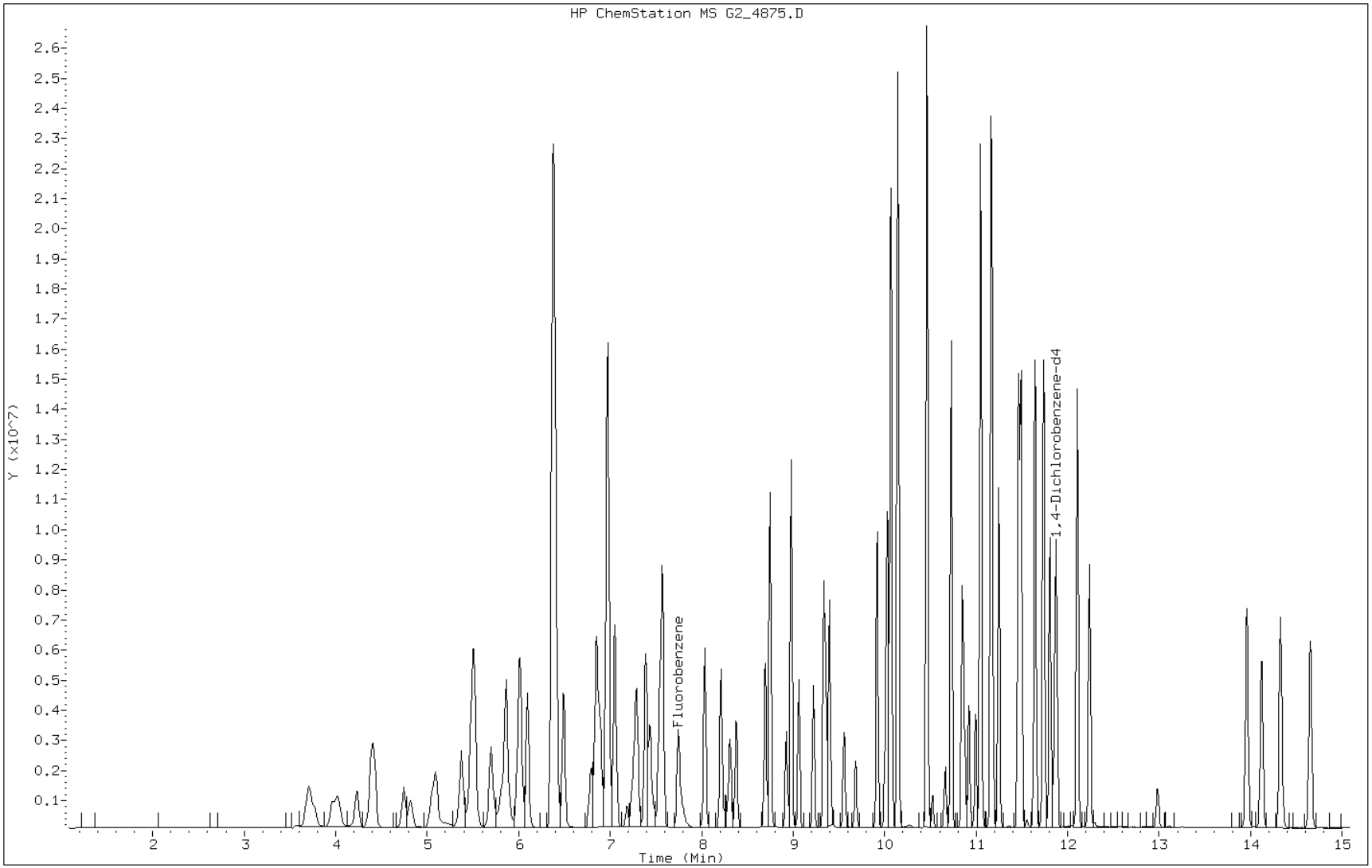
Date: 23-MAR-2012 23:47

Client ID:

Instrument: GCMS2.i

Sample Info: IC,,M200

Operator: JABLONSKIK



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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 111872

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/15/2012 06:48 Calibration End Date: 03/15/2012 08:43 Calibration ID: 8782

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-111872/2	RR3336.D
Level 2	IC 280-111872/3	RR3337.D
Level 3	IC 280-111872/4	RR3338.D
Level 4	ICIS 280-111872/5	RR3339.D
Level 5	IC 280-111872/6	RR3340.D
Level 6	IC 280-111872/7	RR3341.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.6631 0.5824	0.6565	0.5929	0.6819	0.6149	Ave		0.6319				6.5		15.0			
Isopropyl alcohol	0.0051 0.0032	0.0047	0.0042	0.0040	0.0033	Lin	-2.316	0.0032							0.9991		
Ethyl ether	0.1279 0.1025	0.1431	0.1271	0.1209	0.1059	Ave		0.1212				12.5		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.6074 0.4209	0.6204	0.5361	0.5032	0.4498	Lin	-0.107	0.4164							0.9989		
Propene oxide	0.0202 0.0140	0.0202	0.0183	0.0169	0.0151	Lin	-5.749	0.0138							0.9983		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3763 0.2674	0.3668	0.3268	0.3082	0.2805	Ave		0.3210				13.8		15.0			
Methyl acetate	0.0613 0.0472	0.0590	0.0545	0.0507	0.0466	Ave		0.0532				11.5		15.0			
Allyl chloride	0.4622 0.3384	0.4562	0.4129	0.3815	0.3486	Ave		0.4000				13.2		15.0			
Carbon disulfide	1.5885 1.2247	1.6174	1.4540	1.3912	1.2643	Ave		1.4234				11.4		15.0			
Methyl tert-butyl ether	0.4617 0.3778	0.4581	0.4132	0.4016	0.3730	Ave		0.4142				9.3		15.0			
Hexane	1.6582	2.2333	2.2515	1.9737	1.7603	Ave		1.9754				13.6		15.0			
Vinyl acetate	0.2427 0.1865	0.2284	0.2209	0.2108	0.1880	Ave		0.2129				10.5		15.0			
Tert-butyl ethyl ether	0.6603 0.4830	0.6535	0.6105	0.5770	0.5213	Ave		0.5843				12.2		15.0			
Ethyl acetate	0.0883 0.0758	0.0958	0.0901	0.0842	0.0772	Ave		0.0852				9.0		15.0			
2-Butanol	0.0057 0.0048	0.0062	0.0052	0.0055	0.0050	Ave		0.0054				9.6					

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 111872

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/15/2012 06:48 Calibration End Date: 03/15/2012 08:43 Calibration ID: 8782

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tetrahydrofuran	0.0192 0.0156	0.0188	0.0172	0.0167	0.0155	Ave		0.0172				9.2		15.0			
Cyclohexane	0.6139 0.4314	0.6143	0.5599	0.5168	0.4670	Ave		0.5339				14.2		15.0			
Tert-amyl methyl ether	0.5261 0.3929	0.5196	0.4707	0.4550	0.4166	Ave		0.4635				11.6		15.0			
2-Pentanone	0.0570 0.0474	0.0537	0.0499	0.0481	0.0465	Ave		0.0504				8.1		15.0			
Methyl methacrylate	0.0270 0.0260	0.0283	0.0266	0.0257	0.0250	Ave		0.0264				4.3		15.0			
Methylcyclohexane	0.5438 0.3676	0.5403	0.4811	0.4466	0.4036	Lin	-0.119	0.3649							0.9978		
2-Chloroethyl vinyl ether	0.0809 0.0754	0.0806	0.0749	0.0769	0.0730	Ave		0.0770				4.2		15.0			
2-Nitropropane	0.0216	0.0229	0.0223	0.0208	0.0204	Ave		0.0216				4.7		15.0			
Ethyl methacrylate	0.7486 0.6347	0.7319	0.7099	0.6745	0.6376	Ave		0.6895				7.0		15.0			
cis-1,4-Dichloro-2-butene	0.0811	0.0805	0.0844	0.0818	0.0792	Ave		0.0814				2.4		15.0			
trans-1,4-Dichloro-2-butene	0.1033 0.0831	0.0915	0.0860	0.0848	0.0831	Ave		0.0886				8.8		15.0			
Dibromofluoromethane (Surr)	0.3315	0.4267	0.4094	0.3534	0.3306	Ave		0.3703				12.1		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2334	0.3041	0.2881	0.2462	0.2360	Ave		0.2616				12.4		15.0			
Toluene-d8 (Surr)	4.4402	5.8527	5.8992	4.7954	4.5131	Ave		5.1001				14.1		15.0			
4-Bromofluorobenzene (Surr)	0.9897	1.3739	1.2707	1.0756	1.0066	Ave		1.1433				14.9		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 111872

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/15/2012 06:48 Calibration End Date: 03/15/2012 08:43 Calibration ID: 8782

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-111872/2	RR3336.D
Level 2	IC 280-111872/3	RR3337.D
Level 3	IC 280-111872/4	RR3338.D
Level 4	ICIS 280-111872/5	RR3339.D
Level 5	IC 280-111872/6	RR3340.D
Level 6	IC 280-111872/7	RR3341.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	93964 5177131	181859	453902	1000693	2740076	1.00 60.0	2.00	5.00	10.0	30.0
Isopropyl alcohol	FB	Lin	14571 572232	26064	64752	116903	297558	20.0 1200	40.0	100	200	600
Ethyl ether	FB	Ave	18124 910761	39642	97278	177351	471748	1.00 60.0	2.00	5.00	10.0	30.0
2,2-Dichloro-1,1,1-trifluoroethane	FB	Lin	86076 3741141	171877	410454	738435	2004350	1.00 60.0	2.00	5.00	10.0	30.0
Propene oxide	FB	Lin	142939 6199915	280368	699281	1243096	3369540	50.0 3000	100	250	500	1500
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	53328 2377081	101606	250173	452354	1249967	1.00 60.0	2.00	5.00	10.0	30.0
Methyl acetate	FB	Ave	43453 2095647	81737	208726	371668	1038994	5.00 300	10.0	25.0	50.0	150
Allyl chloride	FB	Ave	65494 3007551	126382	316098	559793	1553550	1.00 60.0	2.00	5.00	10.0	30.0
Carbon disulfide	FB	Ave	225102 10885934	448077	1113203	2041640	5634049	1.00 60.0	2.00	5.00	10.0	30.0
Methyl tert-butyl ether	FB	Ave	65425 3357915	126916	316355	589368	1661986	1.00 60.0	2.00	5.00	10.0	30.0
Hexane	CBZ	Ave	 3382690	146558	378652	666987	1818982	 60.0	2.00	5.00	10.0	30.0
Vinyl acetate	FB	Ave	68784 3315155	126536	338197	618758	1675753	2.00 120	4.00	10.0	20.0	60.0
Tert-butyl ethyl ether	FB	Ave	467819 21464093	905200	2336894	4233919	11616308	5.00 300	10.0	25.0	50.0	150
Ethyl acetate	FB	Ave	25026 1348353	53061	137940	247068	688234	2.00 120	4.00	10.0	20.0	60.0
2-Butanol	FB	Ave	24393 1281475	51558	120222	240443	661908	30.0 1800	60.0	150	300	900
Tetrahydrofuran	FB	Ave	5451 277874	10438	26323	48995	137823	2.00 120	4.00	10.0	20.0	60.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 111872

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/15/2012 06:48 Calibration End Date: 03/15/2012 08:43 Calibration ID: 8782

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Cyclohexane	FB	Ave	86995 3834457	170192	428646	758469	2080946	1.00 60.0	2.00	5.00	10.0	30.0
Tert-amyl methyl ether	FB	Ave	372751 17463233	719686	1801800	3338694	9282842	5.00 300	10.0	25.0	50.0	150
2-Pentanone	FB	Ave	32307 1686610	59557	152733	282629	828199	4.00 240	8.00	20.0	40.0	120
Methyl methacrylate	FB	Ave	7647 462569	15659	40713	75418	222551	2.00 120	4.00	10.0	20.0	60.0
Methylcyclohexane	FB	Lin	77067 3267240	149676	368335	655319	1798374	1.00 60.0	2.00	5.00	10.0	30.0
2-Chloroethyl vinyl ether	FB	Ave	11462 670395	22337	57365	112842	325244	1.00 60.0	2.00	5.00	10.0	30.0
2-Nitropropane	FB	Ave	192010	6333	17037	30587	90797	60.0	2.00	5.00	10.0	30.0
Ethyl methacrylate	CBZ	Ave	49104 2589450	96060	238773	455878	1317695	2.00 120	4.00	10.0	20.0	60.0
cis-1,4-Dichloro-2-butene	DCB	Ave	241675	7874	21292	40715	118207	60.0	2.00	5.00	10.0	30.0
trans-1,4-Dichloro-2-butene	DCB	Ave	5005 247759	8942	21714	42161	124114	1.00 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Ave	1473385	118196	313455	518564	982225	30.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	1037382	84249	220564	361346	701176	30.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	4529010	384081	992120	1620537	3108994	30.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	DCB	Ave	1474859	134304	320710	535079	1001747	30.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\RR3336.D
Lab Smp Id: IC
Inj Date : 15-MAR-2012 06:48
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S1.0 5uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\8260B-H2O.m
Meth Date : 15-Mar-2012 13:02 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 06:48 Cal File: RR3336.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.597	8.597	(1.000)	1771344	12.5000	
* 88	Chlorobenzene-d5	119	11.466	11.466	(1.000)	409978	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.059	14.059	(1.000)	605449	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.996	7.996	(0.930)	97373	1.00000	1.85554
$ 58	1,2-Dichloroethane-d4	65	8.321	8.321	(0.968)	66200	1.00000	1.78594
$ 76	Toluene-d8	98	9.987	9.987	(0.871)	308057	1.00000	1.84162
$ 99	4-Bromofluorobenzene (Surr)	95	12.767	12.767	(0.908)	102554	1.00000	1.85192
8	1,2-Dichlorotetrafluoroethane	85	4.684	4.674	(0.545)	13193	1.00000	0.966246(a)
11	Ethylene Oxide	43	5.275	5.236	(0.614)	67088	125.000	134.827
14	Dichlorofluoromethane	67	5.571	5.571	(0.648)	93964	1.00000	1.04928
17	1,2-dichloro-1,1,2-trifluoroe	117	5.827	5.837	(0.678)	59173	1.00000	1.15395
21	Propylene Oxide	58	5.955	5.965	(0.693)	142939	50.0000	1.11230
19	Ethyl Ether	59	5.837	5.837	(0.679)	18124	1.00000	1.05521
20	2,2-dichloro-1,1,1-trifluoroe	83	5.877	5.887	(0.684)	86076	1.00000	0.125183(a)
23	Trichlorotrifluoroethane	151	6.133	6.133	(0.713)	53328	1.00000	1.17233
18	2-propanol	45	5.817	5.837	(0.677)	14571	20.0000	3.58020
27	Methyl Acetate	43	6.379	6.379	(0.742)	43453	5.00000	5.76205
29	Allyl Chloride	41	6.439	6.439	(0.749)	65494	1.00000	1.15558
30	Carbon Disulfide	76	6.458	6.458	(0.751)	225102	1.00000	1.11601
34	Methyl t-butyl ether	73	6.724	6.734	(0.782)	65425	1.00000	1.11457
36	Hexane	57	6.951	6.951	(0.606)	76252	1.00000	1.17692
37	Vinyl acetate	43	7.069	7.069	(0.822)	68784	2.00000	2.28014
41	ETBE	59	7.385	7.385	(0.859)	467819	5.00000	5.65037

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
42 Ethyl Acetate	43	7.533	7.543	(0.876)	25026	2.00000	2.07198
44 2-Butanol	45	7.612	7.612	(0.885)	24393	30.0000	31.8827
51 Tetrahydrofuran	42	7.878	7.878	(0.916)	5451	2.00000	2.23964
55 Cyclohexane	56	8.164	8.164	(0.950)	86995	1.00000	1.14987
59 TAME	73	8.380	8.381	(0.975)	372751	5.00000	5.67529
65 2-Pentanone	43	8.962	8.962	(1.042)	32307	4.00000	4.51954
67 Methyl Cyclohexane	55	9.120	9.120	(1.061)	77067	1.00000	0.00774551(a)
66 Methyl Methacrylate	100	9.061	9.061	(1.054)	7647	2.00000	2.04251
73 2-nitropropane	41	9.514	9.514	(1.107)	3334	1.00000	1.08990
72 2-Chloroethyl vinyl ether	63	9.494	9.494	(1.104)	11462	1.00000	1.05103
78 Ethyl methacrylate	69	10.155	10.145	(0.886)	49104	2.00000	2.17130
85 Tetrahydrothiophene	60	10.894	10.894	(0.950)	11282	1.00000	1.07606
97 cis-1,4-dichloro-2-butene	53	12.600	12.600	(0.896)	3822	1.00000	0.969313(a)
101 t-1,4-Dichloro-2-butene	53	12.885	12.895	(0.917)	5005	1.00000	1.16569
115 1,2,3-Trimethylbenzene	105	14.098	14.098	(1.003)	159371	1.00000	1.12271
119 Tetralin	104	Compound Not Detected.					

QC Flag Legend

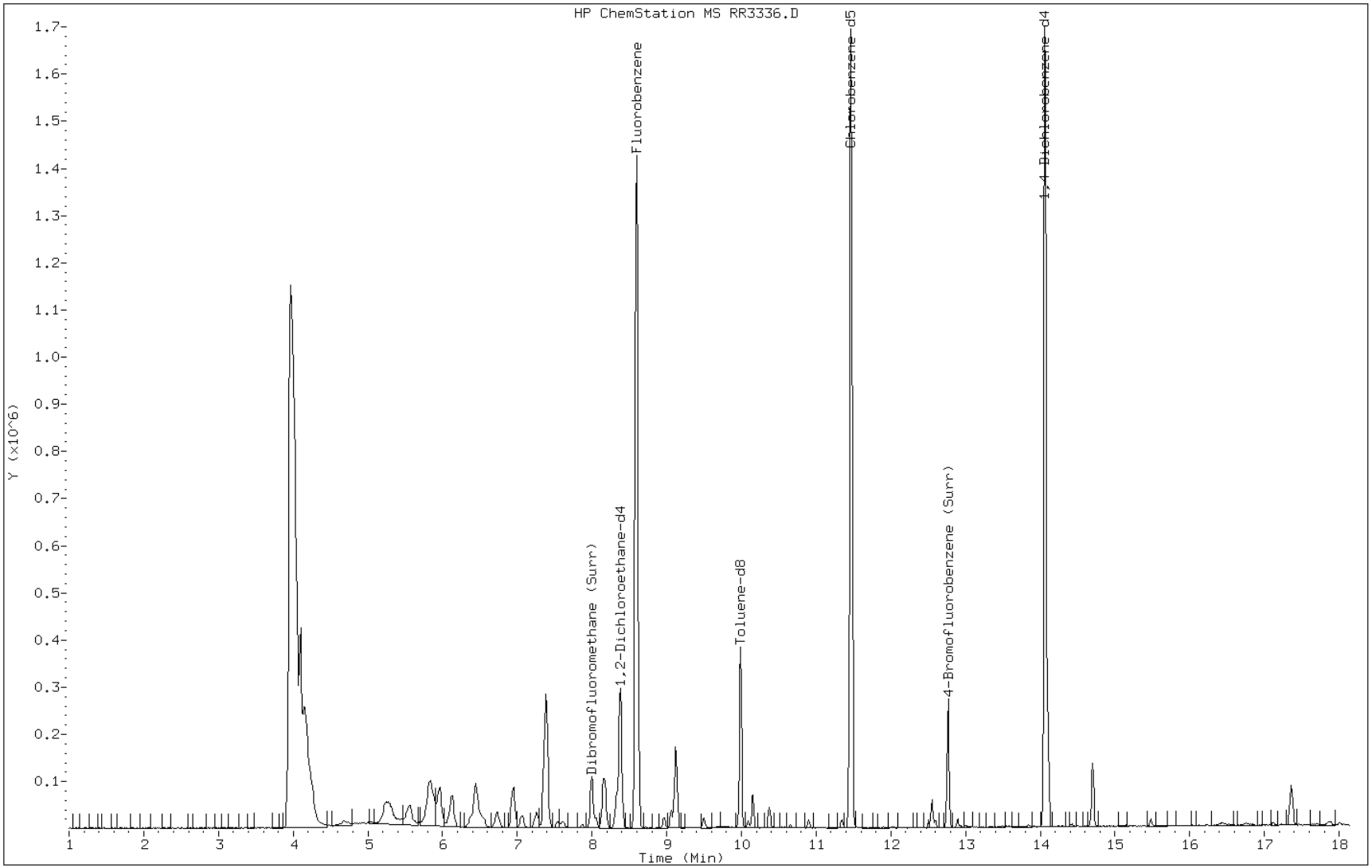
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: RR3336.D

Date: 15-MAR-2012 06:48

Client ID: Instrument: R2.i

Sample Info: IC,,S1.0 5uL 10x Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\RR3337.D
Lab Smp Id: IC
Inj Date : 15-MAR-2012 07:11
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S2.0 10uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\8260B-H2O.m
Meth Date : 15-Mar-2012 13:02 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 07:11 Cal File: RR3337.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.592	8.597	(1.000)	1731438	12.5000	
*	88 Chlorobenzene-d5	119	11.460	11.466	(1.000)	410151	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.063	14.059	(1.000)	610961	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.990	7.996	(0.930)	118196	2.00000	2.30425
$	58 1,2-Dichloroethane-d4	65	8.316	8.321	(0.968)	84249	2.00000	2.32525
$	76 Toluene-d8	98	9.981	9.987	(0.871)	384081	2.00000	2.29514
$	99 4-Bromofluorobenzene (Surr)	95	12.761	12.767	(0.907)	134304	2.00000	2.40338
	8 1,2-Dichlorotetrafluoroethane	85	4.668	4.674	(0.543)	27809	2.00000	2.08365
	11 Ethylene Oxide	43	5.220	5.236	(0.608)	139405	250.000	286.620
	14 Dichlorofluoromethane	67	5.555	5.571	(0.647)	181859	2.00000	2.07759
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.822	5.837	(0.678)	116666	2.00000	2.32757
	21 Propylene Oxide	58	5.950	5.965	(0.693)	280368	100.000	74.5688
	19 Ethyl Ether	59	5.812	5.837	(0.676)	39642	2.00000	2.36121
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.871	5.887	(0.683)	171877	2.00000	1.64623
	23 Trichlorotrifluoroethane	151	6.117	6.133	(0.712)	101606	2.00000	2.28512
	18 2-propanol	45	5.812	5.837	(0.676)	26064	40.0000	30.5806
	27 Methyl Acetate	43	6.364	6.379	(0.741)	81737	10.0000	11.0885
	29 Allyl Chloride	41	6.423	6.439	(0.748)	126382	2.00000	2.28130
	30 Carbon Disulfide	76	6.443	6.458	(0.750)	448077	2.00000	2.27268
	34 Methyl t-butyl ether	73	6.728	6.734	(0.783)	126916	2.00000	2.21196
	36 Hexane	57	6.935	6.951	(0.605)	146558	2.00000	2.26111
	37 Vinyl acetate	43	7.054	7.069	(0.821)	126536	4.00000	4.29125
	41 ETBE	59	7.369	7.385	(0.858)	905200	10.0000	11.1851

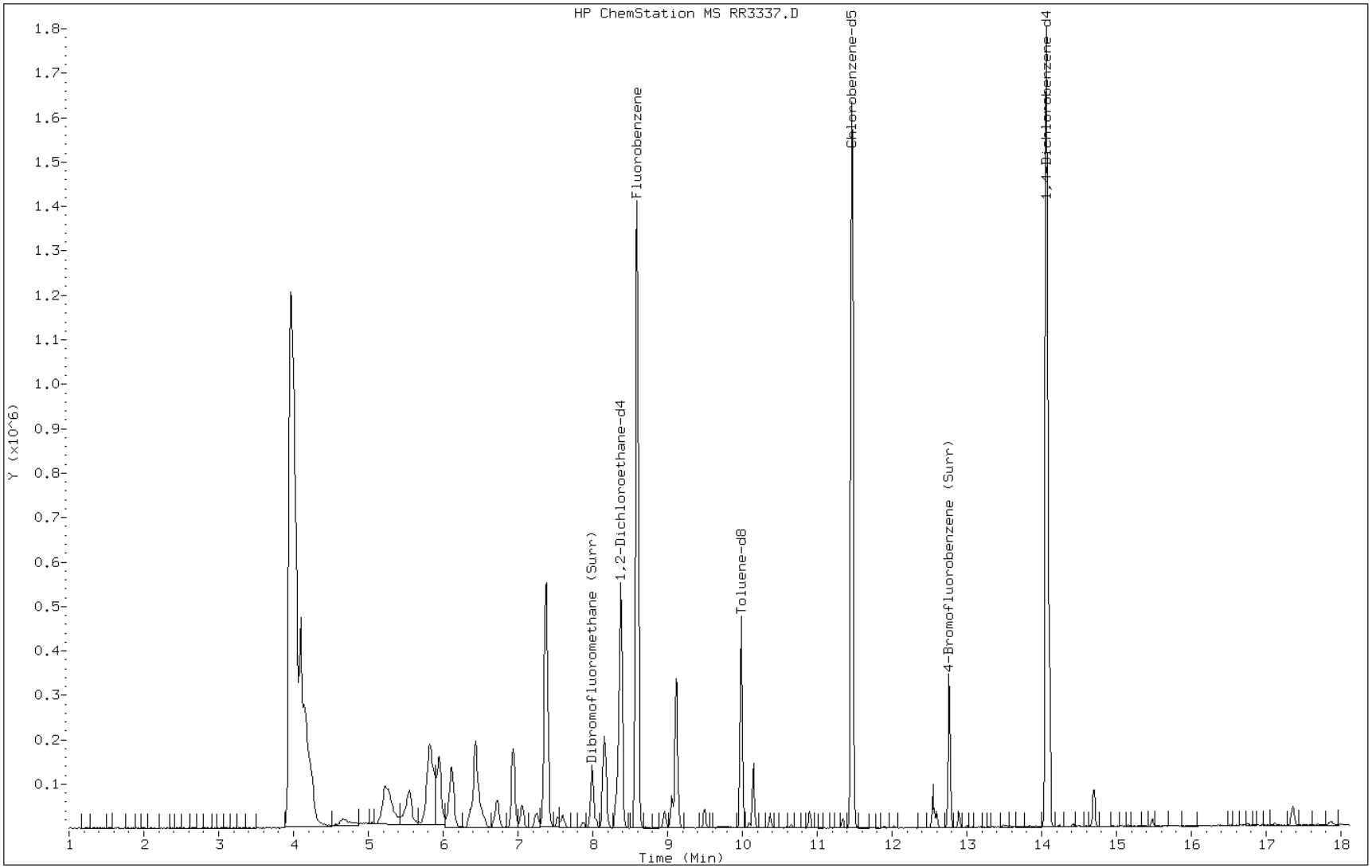
						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
42 Ethyl Acetate	43	7.527	7.543	(0.876)	53061	4.00000	4.49433
44 2-Butanol	45	7.596	7.612	(0.884)	51558	60.0000	68.9418
51 Tetrahydrofuran	42	7.862	7.878	(0.915)	10438	4.00000	4.38748
55 Cyclohexane	56	8.158	8.164	(0.950)	170192	2.00000	2.30139
59 TAME	73	8.375	8.381	(0.975)	719686	10.0000	11.2101
65 2-Pentanone	43	8.966	8.962	(1.044)	59557	8.00000	8.52366
67 Methyl Cyclohexane	55	9.114	9.120	(1.061)	149676	2.00000	1.47858
66 Methyl Methacrylate	100	9.055	9.061	(1.054)	15659	4.00000	4.27892
73 2-nitropropane	41	9.508	9.514	(1.107)	6333	2.00000	2.11800
72 2-Chloroethyl vinyl ether	63	9.489	9.494	(1.104)	22337	2.00000	2.09544
78 Ethyl methacrylate	69	10.149	10.145	(0.886)	96060	4.00000	4.24582
85 Tetrahydrothiophene	60	10.898	10.894	(0.951)	21084	2.00000	2.01011
97 cis-1,4-dichloro-2-butene	53	12.594	12.600	(0.896)	7874	2.00000	1.97894
101 t-1,4-Dichloro-2-butene	53	12.889	12.895	(0.917)	8942	2.00000	2.06385
115 1,2,3-Trimethylbenzene	105	14.102	14.098	(1.003)	320055	2.00000	2.23433
119 Tetralin	104	Compound Not Detected.					

Data File: RR3337.D

Date: 15-MAR-2012 07:11

Client ID: Instrument: R2.i

Sample Info: IC,,S2.0 10uL 10x Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\RR3338.D
Lab Smp Id: IC
Inj Date : 15-MAR-2012 07:34
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S5.0 2.5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\8260B-H2O.m
Meth Date : 15-Mar-2012 13:02 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 07:34 Cal File: RR3338.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
*	62 Fluorobenzene	96	8.597	8.597	(1.000)	1913975	12.5000	
*	88 Chlorobenzene-d5	119	11.465	11.466	(1.000)	420444	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.058	14.059	(1.000)	630952	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.995	7.996	(0.930)	313455	5.00000	5.52807
$	58 1,2-Dichloroethane-d4	65	8.321	8.321	(0.968)	220564	5.00000	5.50694
$	76 Toluene-d8	98	9.986	9.987	(0.871)	992120	5.00000	5.78343
$	99 4-Bromofluorobenzene (Surr)	95	12.757	12.767	(0.907)	320710	5.00000	5.55728
	8 1,2-Dichlorotetrafluoroethane	85	4.673	4.674	(0.544)	81174	5.00000	5.50209
	11 Ethylene Oxide	43	5.255	5.236	(0.611)	361843	625.000	673.006
	14 Dichlorofluoromethane	67	5.551	5.571	(0.646)	453902	5.00000	4.69093
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.827	5.837	(0.678)	282410	5.00000	5.09693
	21 Propylene Oxide	58	5.955	5.965	(0.693)	699281	250.000	258.523
	19 Ethyl Ether	59	5.836	5.837	(0.679)	97278	5.00000	5.24162
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.876	5.887	(0.684)	410454	5.00000	5.10354
	23 Trichlorotrifluoroethane	151	6.122	6.133	(0.712)	250173	5.00000	5.08980
	18 2-propanol	45	5.827	5.837	(0.678)	64752	100.000	104.841
	27 Methyl Acetate	43	6.379	6.379	(0.742)	208726	25.0000	25.6154
	29 Allyl Chloride	41	6.438	6.439	(0.749)	316098	5.00000	5.16166
	30 Carbon Disulfide	76	6.457	6.458	(0.751)	1113203	5.00000	5.10776
	34 Methyl t-butyl ether	73	6.733	6.734	(0.783)	316355	5.00000	4.98777
	36 Hexane	57	6.950	6.951	(0.606)	378652	5.00000	5.69886
	37 Vinyl acetate	43	7.069	7.069	(0.822)	338197	10.0000	10.3755
	41 ETBE	59	7.384	7.385	(0.859)	2336894	25.0000	26.1219

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
42 Ethyl Acetate	43	7.532	7.543	(0.876)	137940	10.0000	10.5694
44 2-Butanol	45	7.611	7.612	(0.885)	120222	150.000	145.426
51 Tetrahydrofuran	42	7.867	7.878	(0.915)	26323	10.0000	10.0093
55 Cyclohexane	56	8.163	8.164	(0.950)	428646	5.00000	5.24349
59 TAME	73	8.380	8.381	(0.975)	1801800	25.0000	25.3888
65 2-Pentanone	43	8.961	8.962	(1.042)	152733	20.0000	19.7741
67 Methyl Cyclohexane	55	9.119	9.120	(1.061)	368335	5.00000	5.10952
66 Methyl Methacrylate	100	9.060	9.061	(1.054)	40713	10.0000	10.0641
73 2-nitropropane	41	9.503	9.514	(1.105)	17037	5.00000	5.15442
72 2-Chloroethyl vinyl ether	63	9.494	9.494	(1.104)	57365	5.00000	4.86821
78 Ethyl methacrylate	69	10.144	10.145	(0.885)	238773	10.0000	10.2953
85 Tetrahydrothiophene	60	10.893	10.894	(0.950)	56897	5.00000	5.29166
97 cis-1,4-dichloro-2-butene	53	12.589	12.600	(0.896)	21292	5.00000	5.18168
101 t-1,4-Dichloro-2-butene	53	12.895	12.895	(0.917)	21714	5.00000	4.85290
115 1,2,3-Trimethylbenzene	105	14.097	14.098	(1.003)	779043	5.00000	5.26624
119 Tetralin	104	Compound Not Detected.					

Data File: RR3338.D

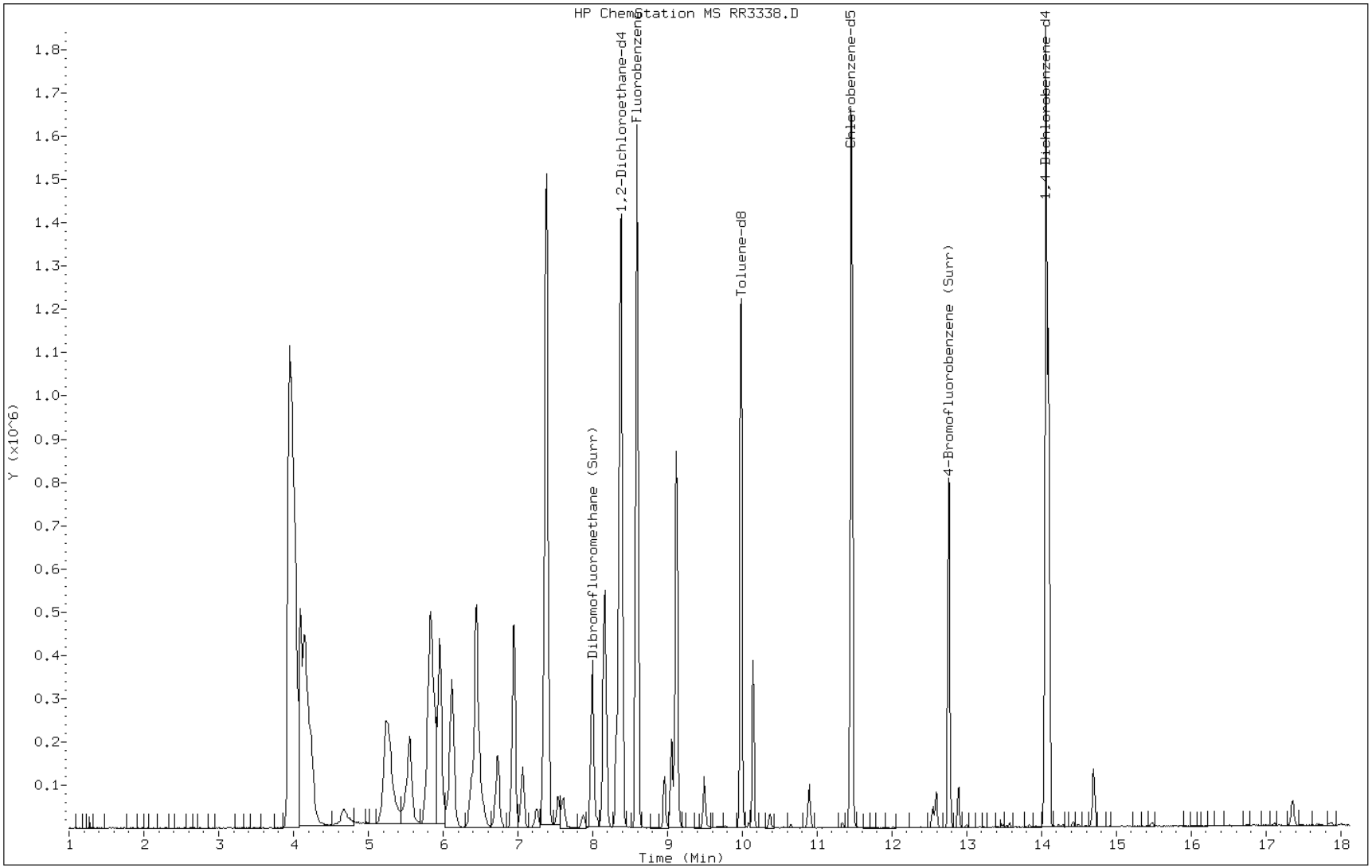
Date: 15-MAR-2012 07:34

Client ID:

Instrument: R2.i

Sample Info: IC,,S5.0 2.5uL

Operator: DOBRANSKYM



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VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\RR3339.D
Lab Smp Id: ICIS
Inj Date : 15-MAR-2012 07:57
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICIS,,S10 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\8260B-H2O.m
Meth Date : 15-Mar-2012 13:02 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 07:57 Cal File: RR3339.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.591	8.597	(1.000)	1834382	12.5000	
* 88 Chlorobenzene-d5	119	11.460	11.466	(1.000)	422423	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.062	14.059	(1.000)	621831	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	8.000	7.996	(0.931)	518564	10.0000	9.54217
$ 58 1,2-Dichloroethane-d4	65	8.325	8.321	(0.969)	361346	10.0000	9.41337
$ 76 Toluene-d8	98	9.981	9.987	(0.871)	1620537	10.0000	9.40244
$ 99 4-Bromofluorobenzene (Surr)	95	12.761	12.767	(0.907)	535079	10.0000	9.40788
8 1,2-Dichlorotetrafluoroethane	85	4.678	4.674	(0.544)	150074	10.0000	10.6136
11 Ethylene Oxide	43	5.239	5.236	(0.610)	582706	1250.00	1130.82
14 Dichlorofluoromethane	67	5.565	5.571	(0.648)	1000693	10.0000	10.7906
17 1,2-dichloro-1,1,2-trifluoroe	117	5.831	5.837	(0.679)	513963	10.0000	9.67848
21 Propylene Oxide	58	5.959	5.965	(0.694)	1243096	500.000	540.936
19 Ethyl Ether	59	5.841	5.837	(0.680)	177351	10.0000	9.97082
20 2,2-dichloro-1,1,1-trifluoroe	83	5.880	5.887	(0.684)	738435	10.0000	10.7496
23 Trichlorotrifluoroethane	151	6.127	6.133	(0.713)	452354	10.0000	9.60251
18 2-propanol	45	5.831	5.837	(0.679)	116903	200.000	223.077
27 Methyl Acetate	43	6.383	6.379	(0.743)	371668	50.0000	47.5911
29 Allyl Chloride	41	6.442	6.439	(0.750)	559793	10.0000	9.53765
30 Carbon Disulfide	76	6.462	6.458	(0.752)	2041640	10.0000	9.77422
34 Methyl t-butyl ether	73	6.738	6.734	(0.784)	589368	10.0000	9.69537
36 Hexane	57	6.955	6.951	(0.607)	666987	10.0000	9.99138
37 Vinyl acetate	43	7.073	7.069	(0.823)	618758	20.0000	19.8065
41 ETBE	59	7.388	7.385	(0.860)	4233919	50.0000	49.3804

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
42 Ethyl Acetate	43	7.536	7.543	(0.877)	247068	20.0000	19.7526
44 2-Butanol	45	7.605	7.612	(0.885)	240443	300.000	303.470
51 Tetrahydrofuran	42	7.881	7.878	(0.917)	48995	20.0000	19.4387
55 Cyclohexane	56	8.167	8.164	(0.951)	758469	10.0000	9.68068
59 TAME	73	8.384	8.381	(0.976)	3338694	50.0000	49.0861
65 2-Pentanone	43	8.966	8.962	(1.044)	282629	40.0000	38.1792
67 Methyl Cyclohexane	55	9.123	9.120	(1.062)	655319	10.0000	10.7546
66 Methyl Methacrylate	100	9.054	9.061	(1.054)	75418	20.0000	19.4519
73 2-nitropropane	41	9.508	9.514	(1.107)	30587	10.0000	9.65540
72 2-Chloroethyl vinyl ether	63	9.498	9.494	(1.106)	112842	10.0000	9.99170
78 Ethyl methacrylate	69	10.149	10.145	(0.886)	455878	20.0000	19.5643
85 Tetrahydrothiophene	60	10.898	10.894	(0.951)	105550	10.0000	9.77061
97 cis-1,4-dichloro-2-butene	53	12.593	12.600	(0.896)	40715	10.0000	10.0539
101 t-1,4-Dichloro-2-butene	53	12.889	12.895	(0.917)	42161	10.0000	9.56084
115 1,2,3-Trimethylbenzene	105	14.102	14.098	(1.003)	1409914	10.0000	9.67066
119 Tetralin	104	Compound Not Detected.					

Data File: RR3339.D

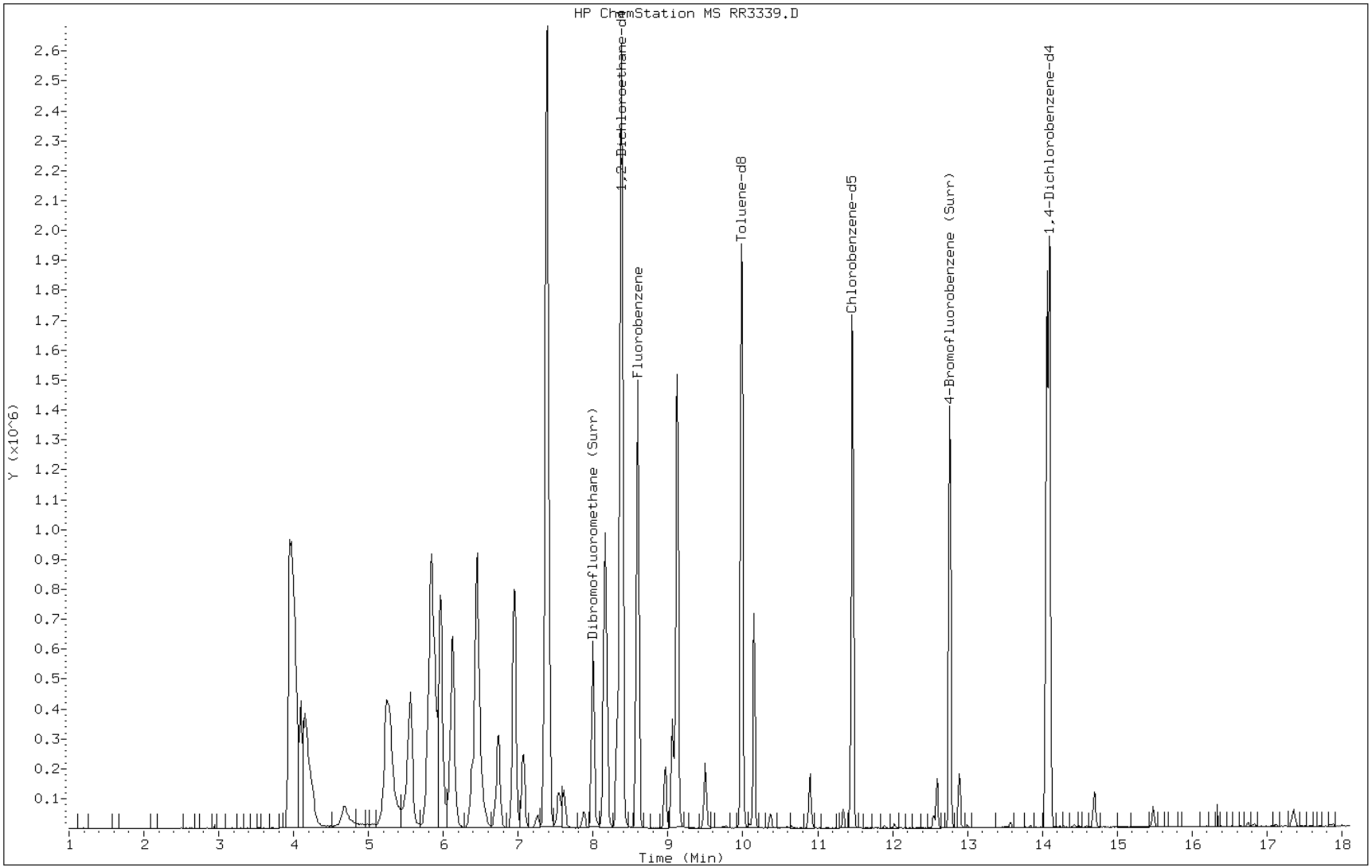
Date: 15-MAR-2012 07:57

Client ID:

Instrument: R2.i

Sample Info: ICIS,,S10 5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\RR3340.D
Lab Smp Id: IC
Inj Date : 15-MAR-2012 08:20
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S30 15uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\8260B-H2O.m
Meth Date : 15-Mar-2012 13:02 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 08:20 Cal File: RR3340.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.592	8.597	(1.000)	1856779	12.5000	
* 88	Chlorobenzene-d5	119	11.470	11.466	(1.000)	430555	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.063	14.059	(1.000)	621967	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	8.001	7.996	(0.931)	982225	20.0000	17.8560
$ 58	1,2-Dichloroethane-d4	65	8.326	8.321	(0.969)	701176	20.0000	18.0459
$ 76	Toluene-d8	98	9.982	9.987	(0.870)	3108994	20.0000	17.6978
$ 99	4-Bromofluorobenzene (Surr)	95	12.762	12.767	(0.907)	1001747	20.0000	17.6091
8	1,2-Dichlorotetrafluoroethane	85	4.669	4.674	(0.543)	398796	30.0000	27.8636
11	Ethylene Oxide	43	5.231	5.236	(0.609)	1551910	3750.00	2975.37
14	Dichlorofluoromethane	67	5.566	5.571	(0.648)	2740076	30.0000	29.1901
17	1,2-dichloro-1,1,2-trifluoroe	117	5.832	5.837	(0.679)	1407594	30.0000	26.1868
21	Propylene Oxide	58	5.960	5.965	(0.694)	3369540	1500.00	1569.15
19	Ethyl Ether	59	5.832	5.837	(0.679)	471748	30.0000	26.2021
20	2,2-dichloro-1,1,1-trifluoroe	83	5.881	5.887	(0.685)	2004350	30.0000	31.0681
23	Trichlorotrifluoroethane	151	6.128	6.133	(0.713)	1249967	30.0000	26.2141
18	2-propanol	45	5.832	5.837	(0.679)	297558	600.000	604.808
27	Methyl Acetate	43	6.374	6.379	(0.742)	1038994	150.000	131.436(A)
29	Allyl Chloride	41	6.433	6.439	(0.749)	1553550	30.0000	26.1498
30	Carbon Disulfide	76	6.453	6.458	(0.751)	5634049	30.0000	26.6473
34	Methyl t-butyl ether	73	6.739	6.734	(0.784)	1661986	30.0000	27.0106
36	Hexane	57	6.946	6.951	(0.606)	1818982	30.0000	26.7335
37	Vinyl acetate	43	7.064	7.069	(0.822)	1675753	60.0000	52.9940
41	ETBE	59	7.389	7.385	(0.860)	11616308	150.000	133.847(A)

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
42 Ethyl Acetate	43	7.537	7.543	(0.877)	688234	60.0000	54.3591
44 2-Butanol	45	7.606	7.612	(0.885)	661908	900.000	825.336
51 Tetrahydrofuran	42	7.872	7.878	(0.916)	137823	60.0000	54.0215
55 Cyclohexane	56	8.158	8.164	(0.950)	2080946	30.0000	26.2397
59 TAME	73	8.375	8.381	(0.975)	9282842	150.000	134.832(A)
65 2-Pentanone	43	8.967	8.962	(1.044)	828199	120.000	110.529(A)
67 Methyl Cyclohexane	55	9.124	9.120	(1.062)	1798374	30.0000	31.6944
66 Methyl Methacrylate	100	9.065	9.061	(1.055)	222551	60.0000	56.7082
73 2-nitropropane	41	9.509	9.514	(1.107)	90797	30.0000	28.3162
72 2-Chloroethyl vinyl ether	63	9.499	9.494	(1.106)	325244	30.0000	28.4516
78 Ethyl methacrylate	69	10.150	10.145	(0.885)	1317695	60.0000	55.4816
85 Tetrahydrothiophene	60	10.899	10.894	(0.950)	305984	30.0000	27.7895
97 cis-1,4-dichloro-2-butene	53	12.594	12.600	(0.896)	118207	30.0000	29.1828
101 t-1,4-Dichloro-2-butene	53	12.890	12.895	(0.917)	124114	30.0000	28.1392
115 1,2,3-Trimethylbenzene	105	14.102	14.098	(1.003)	3823491	30.0000	26.2198
119 Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR3340.D

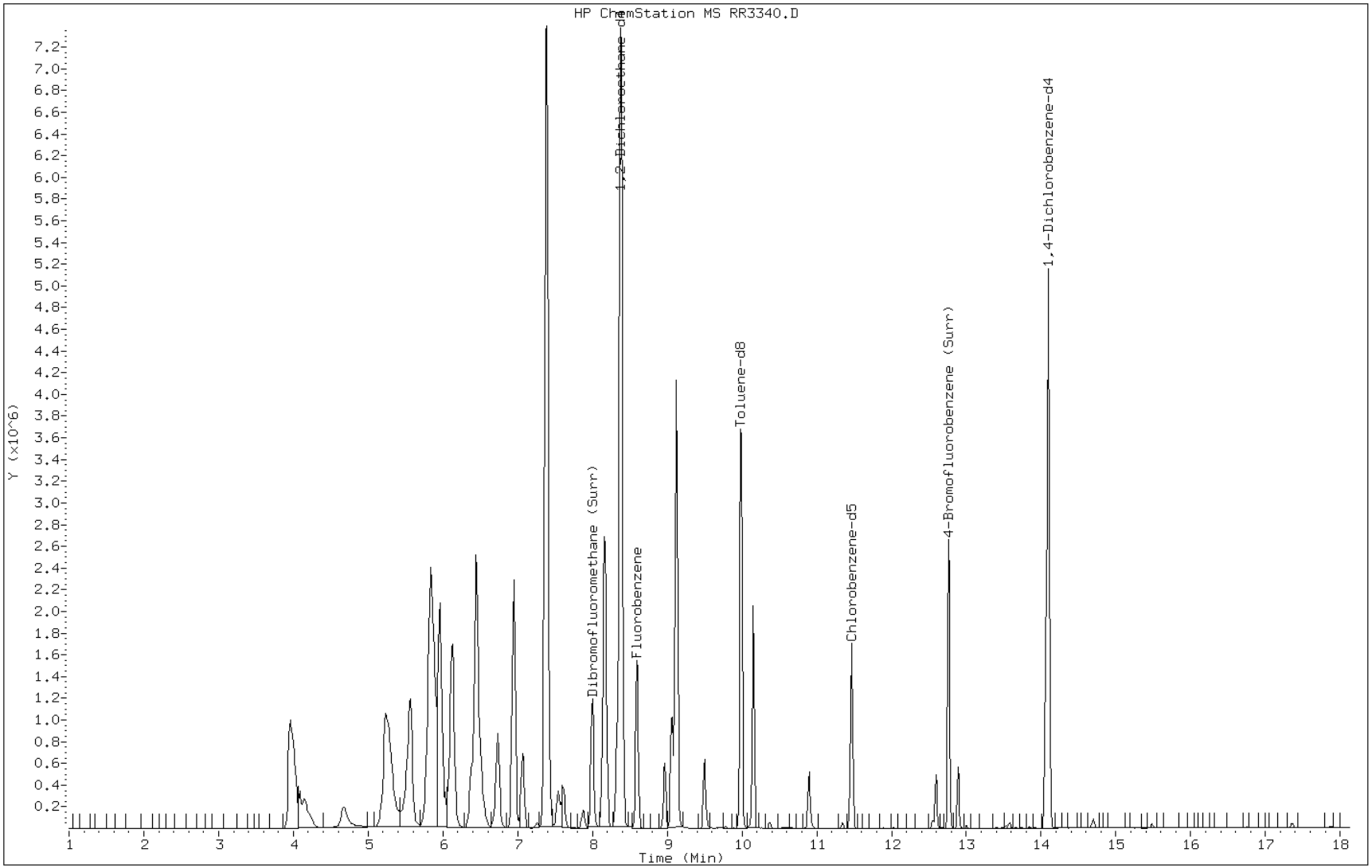
Date: 15-MAR-2012 08:20

Client ID:

Instrument: R2.i

Sample Info: IC,,S30 15uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\RR3341.D
Lab Smp Id: IC
Inj Date : 15-MAR-2012 08:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S60 30uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\8260B-H2O.m
Meth Date : 15-Mar-2012 13:02 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 07:57 Cal File: RR3339.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.597	8.597	(1.000)	1851786	12.5000	
* 88 Chlorobenzene-d5	119	11.466	11.466	(1.000)	424999	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.059	14.059	(1.000)	620942	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.996	7.996	(0.930)	1473385	30.0000	26.8572
$ 58 1,2-Dichloroethane-d4	65	8.321	8.321	(0.968)	1037382	30.0000	26.7707
$ 76 Toluene-d8	98	9.987	9.987	(0.871)	4529010	30.0000	26.1183
$ 99 4-Bromofluorobenzene (Surr)	95	12.767	12.767	(0.908)	1474859	30.0000	25.9684
8 1,2-Dichlorotetrafluoroethane	85	4.674	4.674	(0.544)	771957	60.0000	54.0816
11 Ethylene Oxide	43	5.236	5.236	(0.609)	2876429	7500.00	5529.66
14 Dichlorofluoromethane	67	5.571	5.571	(0.648)	5177131	60.0000	55.3008
17 1,2-dichloro-1,1,2-trifluoroe	117	5.837	5.837	(0.679)	2644377	60.0000	49.3285
21 Propylene Oxide	58	5.965	5.965	(0.694)	6199915	3000.00	2955.71
19 Ethyl Ether	59	5.837	5.837	(0.679)	910761	60.0000	50.7225
20 2,2-dichloro-1,1,1-trifluoroe	83	5.887	5.887	(0.685)	3741141	60.0000	59.3074
23 Trichlorotrifluoroethane	151	6.133	6.133	(0.713)	2377081	60.0000	49.9861
18 2-propanol	45	5.837	5.837	(0.679)	572232	1200.00	1193.11
27 Methyl Acetate	43	6.379	6.379	(0.742)	2095647	300.000	265.820(A)
29 Allyl Chloride	41	6.439	6.439	(0.749)	3007551	60.0000	50.7605
30 Carbon Disulfide	76	6.458	6.458	(0.751)	10885934	60.0000	51.6259
34 Methyl t-butyl ether	73	6.734	6.734	(0.783)	3357915	60.0000	54.7201
36 Hexane	57	6.951	6.951	(0.606)	3382690	60.0000	50.3651
37 Vinyl acetate	43	7.069	7.069	(0.822)	3315155	120.000	105.121

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
41 ETBE	59	7.385	7.385	(0.859)	21464093	300.000	247.984(A)
42 Ethyl Acetate	43	7.543	7.543	(0.877)	1348353	120.000	106.785(A)
44 2-Butanol	45	7.612	7.612	(0.885)	1281475	1800.00	1602.18(A)
51 Tetrahydrofuran	42	7.878	7.878	(0.916)	277874	120.000	109.210(A)
55 Cyclohexane	56	8.164	8.164	(0.950)	3834457	60.0000	48.4809
59 TAME	73	8.381	8.381	(0.975)	17463233	300.000	254.335(A)
65 2-Pentanone	43	8.962	8.962	(1.042)	1686610	240.000	225.696(A)
67 Methyl Cyclohexane	55	9.120	9.120	(1.061)	3267240	60.0000	58.9551
66 Methyl Methacrylate	100	9.061	9.061	(1.054)	462569	120.000	118.185(A)
73 2-nitropropane	41	9.514	9.514	(1.107)	192010	60.0000	60.0422(A)
72 2-Chloroethyl vinyl ether	63	9.494	9.494	(1.104)	670395	60.0000	58.8028
78 Ethyl methacrylate	69	10.145	10.145	(0.885)	2589450	120.000	110.454(A)
85 Tetrahydrothiophene	60	10.894	10.894	(0.950)	624193	60.0000	57.4304
97 cis-1,4-dichloro-2-butene	53	12.600	12.600	(0.896)	241675	60.0000	59.7629
101 t-1,4-Dichloro-2-butene	53	12.895	12.895	(0.917)	247759	60.0000	56.2647
115 1,2,3-Trimethylbenzene	105	14.098	14.098	(1.003)	7562978	60.0000	51.9491
119 Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR3341.D

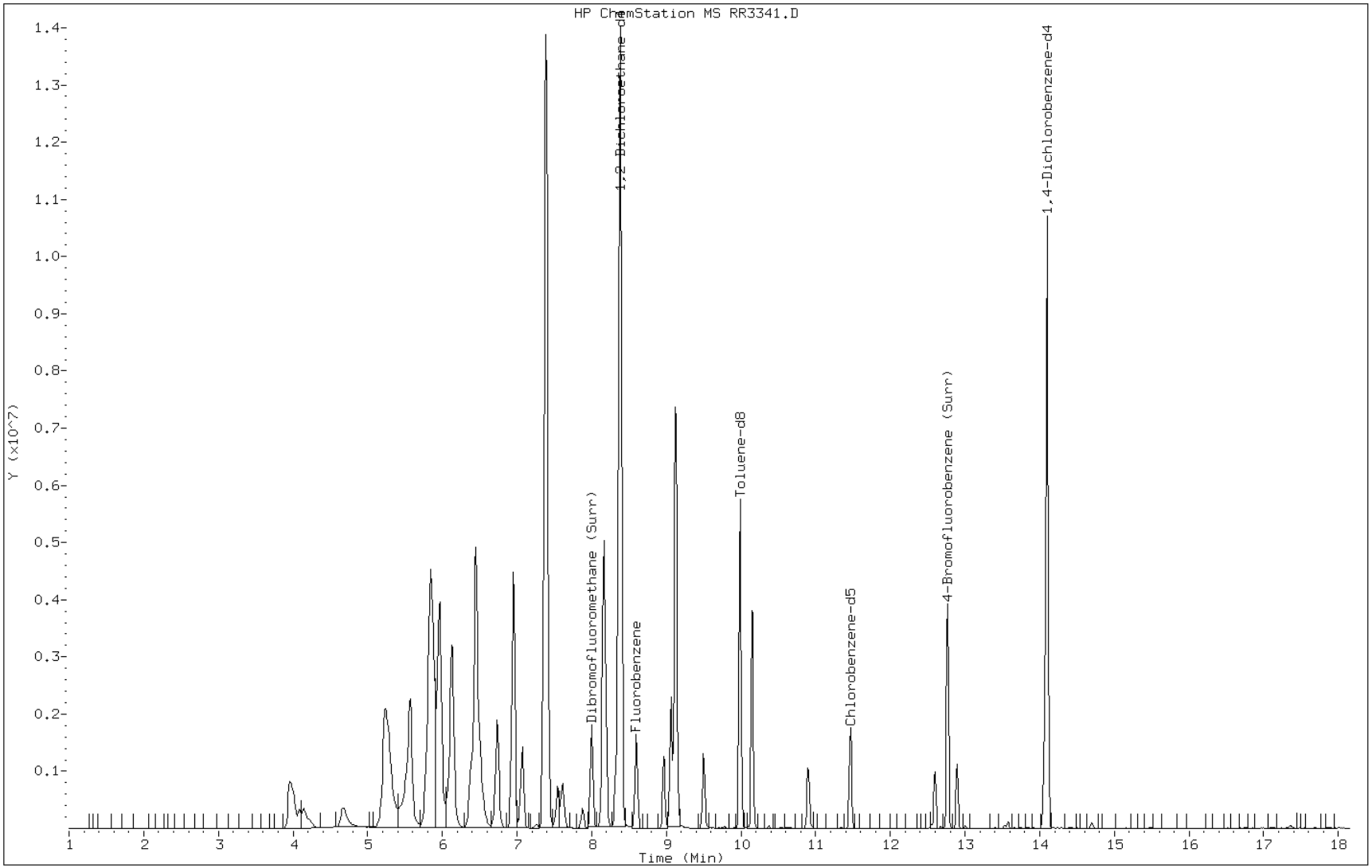
Date: 15-MAR-2012 08:43

Client ID:

Instrument: R2.i

Sample Info: IC,,S60 30uL

Operator: DOBRANSKYM



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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113151

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2012 07:35 Calibration End Date: 03/26/2012 09:56 Calibration ID: 8880

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-113151/2	RR3760.D
Level 2	IC 280-113151/3	RR3761.D
Level 3	IC 280-113151/4	RR3762.D
Level 4	IC 280-113151/5	RR3763.D
Level 5	IC 280-113151/6	RR3764.D
Level 6	IC 280-113151/7	RR3765.D
Level 7	IC 280-113151/8	RR3766.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethene, Total	+++++ 0.3405	0.3810 0.3178	0.3698	0.3616	0.3390	Ave		0.3516				6.6		15.0			
Xylenes, Total	+++++ 2.1810	2.6060 1.9448	2.4780	2.4306	2.2671	Ave		2.3179				10.2		15.0			
Ethanol	+++++ 0.0007	+++++ 0.0006	0.0009	0.0007	0.0007	Ave		0.0007				12.0		15.0			
Dichlorodifluoromethane	+++++ 0.3318	0.3290 0.2988	0.3824	0.3276	0.3291	Ave		0.3331				8.1		15.0			
Chloromethane	+++++ 0.2057	0.2443 0.1935	0.2176	0.2009	0.2002	Ave		0.2104			0.1000	8.8		15.0			
Vinyl chloride	+++++ 0.2501	0.2891 0.2389	0.2992	0.2568	0.2525	Ave		0.2644				9.1		30.0			
Bromomethane	+++++ 0.2206	0.2732 0.2037	0.2560	0.2372	0.2380	Ave		0.2381				10.4		15.0			
Chloroethane	+++++ 0.1551	0.1904 0.1448	0.1836	0.1606	0.1566	Ave		0.1652				10.8		15.0			
Trichlorofluoromethane	+++++ 0.4934	0.5692 0.4381	0.5920	0.5059	0.4013	Ave		0.5000				14.7		15.0			
Acrolein	+++++ 0.0133	+++++ 0.0125	0.0154	0.0132	0.0132	Ave		0.0135				8.2		15.0			
Acetone	+++++ 0.0217	0.0302 0.0199	0.0276	0.0226	0.0212	Lin	-0.283	0.0199							0.9983		
1,1-Dichloroethene	+++++ 0.3156	0.3648 0.3030	0.3581	0.3447	0.3238	Ave		0.3350				7.4		30.0			
Iodomethane	+++++ 0.7008	0.7498 0.6789	0.7595	0.7511	0.7100	Ave		0.7250				4.5		15.0			
Acetonitrile	+++++ 0.0065	+++++ 0.0064	0.0071	0.0064	0.0059	Ave		0.0065				6.9		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113151

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2012 07:35 Calibration End Date: 03/26/2012 09:56 Calibration ID: 8880

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	+++++ 0.0078	0.0078 0.0074	0.0081	0.0077	0.0071	Ave		0.0077				4.5		15.0			
Methylene Chloride	+++++ 0.2799	0.3474 0.2666	0.3315	0.3036	0.2823	Ave		0.3019				10.5		15.0			
Acrylonitrile	+++++ 0.0252	0.0266 0.0243	0.0267	0.0262	0.0245	Ave		0.0256				4.1		15.0			
trans-1,2-Dichloroethene	+++++ 0.3456	0.3954 0.3267	0.3820	0.3709	0.3491	Ave		0.3616				7.1		15.0			
Isopropyl ether	+++++ 0.1713	0.1987 0.1559	0.1950	0.1863	0.1746	Ave		0.1803				8.9		15.0			
1,1-Dichloroethane	+++++ 0.5848	0.6498 0.5475	0.6113	0.6127	0.5841	Ave		0.5984			0.1000	5.8		15.0			
2-Chloro-1,3-butadiene	+++++ 0.4799	0.5442 0.4578	0.5134	0.5062	0.4802	Ave		0.4969				6.2		15.0			
2-Butanone (MEK)	+++++ 0.0321	0.0391 0.0300	0.0356	0.0300	0.0289	Ave		0.0326				12.1		15.0			
cis-1,2-Dichloroethene	+++++ 0.3354	0.3665 0.3088	0.3577	0.3523	0.3289	Ave		0.3416				6.2		15.0			
Propionitrile	+++++ 0.0096	+++++ 0.0085	0.0096	0.0093	0.0092	Ave		0.0093				4.8		15.0			
2,2-Dichloropropane	+++++ 0.4886	0.5798 0.4529	0.5637	0.5263	0.4939	Ave		0.5175				9.3		15.0			
Methacrylonitrile	+++++ 0.0469	0.0496 0.0443	0.0482	0.0462	0.0456	Ave		0.0468				4.0		15.0			
Chlorobromomethane	+++++ 0.1477	0.1601 0.1391	0.1654	0.1544	0.1466	Ave		0.1522				6.3		15.0			
Chloroform	0.7659 0.5817	0.6484 0.5507	0.6448	0.6145	0.5807	Ave		0.6267				11.3		30.0			
1,4-Dioxane	+++++ 0.0010	+++++ 0.0009	0.0009	0.0009	0.0008	Ave		0.0009				4.9		15.0			
Isobutyl alcohol	+++++ 0.0021	0.0017 0.0019	0.0020	0.0021	0.0019	Ave		0.0019				6.7		15.0			
1,1,1-Trichloroethane	+++++ 0.5211	0.5810 0.5027	0.5668	0.5487	0.5252	Ave		0.5409				5.5		15.0			
1,1-Dichloropropene	+++++ 0.5120	0.5875 0.4810	0.5763	0.5551	0.5224	Ave		0.5390				7.6		15.0			
Carbon tetrachloride	+++++ 0.5145	0.5656 0.4864	0.5471	0.5484	0.5173	Ave		0.5299				5.5		15.0			
1,2-Dichloroethane	0.2107 0.2643	0.2909 0.2479	0.2795	0.2726	0.2587	Ave		0.2607				10.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113151

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2012 07:35 Calibration End Date: 03/26/2012 09:56 Calibration ID: 8880

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzene	1.7336 1.1898	1.3228 1.0969	1.2847	1.2598	1.1906	Lin	-0.047	1.1038							0.9985		
Trichloroethene	+++++ 0.3542	0.4025 0.3317	0.3836	0.3730	0.3568	Ave		0.3670				6.8		15.0			
1,2-Dichloropropane	+++++ 0.2545	0.2818 0.2377	0.2716	0.2596	0.2491	Ave		0.2591				6.1		30.0			
Dibromomethane	+++++ 0.1220	0.1297 0.1149	0.1327	0.1281	0.1183	Ave		0.1243				5.6		15.0			
Dichlorobromomethane	0.4463 0.3600	0.3712 0.3377	0.3597	0.3616	0.3445	Ave		0.3687				9.8		15.0			
cis-1,3-Dichloropropene	0.5136 0.3877	0.4327 0.3674	0.4052	0.3936	0.3683	Ave		0.4098				12.4		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.0743	0.0796 0.0676	0.0786	0.0683	0.0672	Ave		0.0726				7.8		15.0			
Toluene	+++++ 1.1834	1.4070 1.0968	1.3192	1.2695	1.2125	Ave		1.2481				8.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.2939	0.3067 0.2766	0.3046	0.2956	0.2800	Ave		0.2929				4.2		15.0			
1,1,2-Trichloroethane	+++++ 0.1399	0.1465 0.1295	0.1479	0.1421	0.1319	Ave		0.1396				5.4		15.0			
2-Hexanone	+++++ 0.2275	0.2393 0.2089	0.2314	0.2108	0.2060	Ave		0.2207				6.3		15.0			
1,3-Dichloropropane	1.4062 1.0706	1.2314 0.9990	1.1507	1.1157	1.0579	Ave		1.1473				11.9		15.0			
Tetrachloroethene	+++++ 1.4458	1.7288 1.3790	1.6292	1.5681	1.4798	Ave		1.5385				8.4		15.0			
Chlorodibromomethane	1.2690 1.0606	1.0444 1.0234	1.0413	1.0546	0.9942	Ave		1.0696				8.5		15.0			
Ethylene Dibromide	+++++ 0.6813	0.7099 0.6405	0.7000	0.6901	0.6404	Ave		0.6770				4.4		15.0			
1-Chlorohexane	+++++ 2.2211	2.6723 2.0035	2.4235	2.3781	2.2010	Ave		2.3166				9.9		15.0			
Chlorobenzene	4.7999 3.4446	3.9889 3.1452	3.8165	3.6725	3.4427	Ave		3.7586			0.3000	14.3		15.0			
Ethylbenzene	+++++ 1.8561	2.2280 1.6456	2.1306	2.0582	1.8728	Ave		1.9652				10.9		30.0			
1,1,1,2-Tetrachloroethane	1.5945 1.2606	1.3577 1.1718	1.3398	1.3093	1.2467	Ave		1.3258				10.1		15.0			
m-Xylene & p-Xylene	+++++ 2.2362	2.7026 1.9914	2.5619	2.5283	2.3324	Ave		2.3921				10.8		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113151

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2012 07:35 Calibration End Date: 03/26/2012 09:56 Calibration ID: 8880

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
o-Xylene	+++++ 2.0705	2.4129 1.8516	2.3101	2.2353	2.1364	Ave		2.1695				9.1		15.0			
Styrene	+++++ 3.3311	3.7091 2.9612	3.5632	3.4937	3.3638	Ave		3.4037				7.5		15.0			
Bromoform	+++++ 0.5393	0.4911 0.5125	0.5092	0.5054	0.4998	Ave		0.5095			0.1000	3.2		15.0			
Isopropylbenzene	+++++ 3.8810	4.7686 3.6247	4.4492	4.3557	3.9030	Ave		4.1637				10.3		15.0			
Cyclohexanone	+++++ 0.0154	0.0157 0.0146	0.0163	0.0147	0.0146	Ave		0.0152				4.5		15.0			
1,1,2,2-Tetrachloroethane	0.5256 0.4122	0.4518 0.4048	0.4270	0.4314	0.3831	Ave		0.4337			0.3000	10.6		15.0			
1,2,3-Trichloropropane	+++++ 0.1062	0.1150 0.1039	0.1079	0.1076	0.1003	Ave		0.1068				4.6		15.0			
N-Propylbenzene	+++++ 1.1105	1.3632 1.0139	1.2996	1.2437	1.1073	Ave		1.1897				11.2		15.0			
Bromobenzene	+++++ 0.9620	1.1183 0.9034	1.0820	1.0295	0.9340	Ave		1.0049				8.5		15.0			
1,3,5-Trimethylbenzene	+++++ 3.0996	3.7967 2.7580	3.5793	3.4875	3.1532	Ave		3.3124				11.4		15.0			
2-Chlorotoluene	+++++ 0.9807	1.1782 0.8793	1.1179	1.0909	0.9922	Ave		1.0399				10.5		15.0			
4-Chlorotoluene	+++++ 0.9936	1.1540 0.9252	1.0809	1.0709	0.9919	Ave		1.0361				7.9		15.0			
tert-Butylbenzene	+++++ 3.0324	3.6758 2.8462	3.4217	3.3728	3.1123	Ave		3.2435				9.3		15.0			
1,2,4-Trimethylbenzene	+++++ 3.1035	3.7247 2.8570	3.4782	3.4030	3.1620	Ave		3.2881				9.4		15.0			
sec-Butylbenzene	+++++ 0.9733	1.1838 0.8709	1.0874	1.0689	0.9728	Ave		1.0262				10.7		15.0			
4-Isopropyltoluene	+++++ 3.8578	4.6365 3.4748	4.3465	4.2544	3.8685	Ave		4.0731				10.2		15.0			
1,3-Dichlorobenzene	+++++ 1.9619	2.3006 1.8160	2.1793	2.1132	1.9462	Ave		2.0529				8.6		15.0			
1,4-Dichlorobenzene	2.5897 1.8972	2.1624 1.7237	2.0793	2.0196	1.8880	Ave		2.0514				13.5		15.0			
n-Butylbenzene	+++++ 3.6460	4.2832 3.1636	4.1317	3.9447	3.6655	Ave		3.8058				10.6		15.0			
1,2-Dichlorobenzene	+++++ 1.5789	1.7589 1.4663	1.7434	1.6578	1.5507	Ave		1.6260				7.1		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113151

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2012 07:35 Calibration End Date: 03/26/2012 09:56 Calibration ID: 8880

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	+++++ 0.0802	+++++ 0.0781	0.0727	0.0777	0.0753	Ave		0.0768				3.7		15.0			
1,2,4-Trichlorobenzene	+++++ 1.0467	1.1261 0.9751	1.1316	1.0953	1.0380	Ave		1.0688				5.6		15.0			
Hexachlorobutadiene	1.1200 0.8053	0.9374 0.6963	0.8880	0.8509	0.8242	Lin	-0.079	0.7074							0.9948		
Naphthalene	+++++ 1.2679	1.3315 1.2072	1.3354	1.2925	1.2301	Ave		1.2774				4.1		15.0			
1,2,3-Trichlorobenzene	+++++ 0.8004	0.8603 0.7487	0.8886	0.8399	0.7910	Ave		0.8215				6.2		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113151

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2012 07:35 Calibration End Date: 03/26/2012 09:56 Calibration ID: 8880

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-113151/2	RR3760.D
Level 2	IC 280-113151/3	RR3761.D
Level 3	IC 280-113151/4	RR3762.D
Level 4	IC 280-113151/5	RR3763.D
Level 5	IC 280-113151/6	RR3764.D
Level 6	IC 280-113151/7	RR3765.D
Level 7	IC 280-113151/8	RR3766.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloroethene, Total	FB	Ave	+++++ 2586349	104679 5157506	193328	498083	913993	+++++ 60.0	2.00 120	4.00	10.0	20.0
Xylenes, Total	CBZ	Ave	+++++ 5771070	246344 10692808	457602	1143003	2116629	+++++ 90.0	3.00 180	6.00	15.0	30.0
Ethanol	FB	Ave	+++++ 133744	+++++ 260579	11457	25620	47078	+++++ 1500	+++++ 3000	100	250	500
Dichlorodifluoromethane	FB	Ave	+++++ 1260040	45201 2425143	99946	225618	443561	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloromethane	FB	Ave	+++++ 781462	33562 1570031	56883	138384	269804	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 950009	39720 1939026	78207	176894	340300	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromomethane	FB	Ave	+++++ 837724	37527 1652924	66904	163348	320865	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 589230	26153 1174848	47976	110595	211151	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 1874038	78195 3555629	154734	348443	540947	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 506830	+++++ 1016499	40311	90665	177570	+++++ 300	+++++ 600	20.0	50.0	100
Acetone	FB	Lin	+++++ 330225	16618 645849	28893	62300	114293	+++++ 120	4.00 240	8.00	20.0	40.0
1,1-Dichloroethene	FB	Ave	+++++ 1198744	50117 2458553	93592	237399	436446	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Iodomethane	FB	Ave	+++++ 2661605	103004 5509709	198525	517339	957000	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetonitrile	FB	Ave	+++++ 247889	+++++ 522713	18603	44108	79011	+++++ 300	+++++ 600	20.0	50.0	100
2-Methyl-2-propanol	FB	Ave	+++++ 594997	21520 1202041	42394	105934	192568	+++++ 600	20.0 1200	40.0	100	200

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113151

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2012 07:35 Calibration End Date: 03/26/2012 09:56 Calibration ID: 8880

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	FB	Ave	+++++ 1063144	47722 2163637	86636	209143	380486	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrylonitrile	FB	Ave	+++++ 957256	36504 1970019	69668	180401	330134	+++++ 300	10.0 600	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	+++++ 1312484	54325 2651472	99842	255452	470582	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	+++++ 3253041	136465 6326519	254846	641438	1176707	+++++ 150	5.00 300	10.0	25.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 2221120	89273 4443264	159788	422046	787320	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 1822691	74764 3715284	134186	348674	647234	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 487933	21475 972876	37170	82580	156045	+++++ 120	4.00 240	8.00	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 1273865	50354 2506034	93486	242631	443411	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Propionitrile	FB	Ave	+++++ 366218	+++++ 692986	25086	63944	124019	+++++ 300	+++++ 600	20.0	50.0	100
2,2-Dichloropropane	FB	Ave	+++++ 1855617	79653 3675560	147335	362530	665811	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Methacrylonitrile	FB	Ave	+++++ 1779800	68096 3595875	126104	318486	614322	+++++ 300	10.0 600	20.0	50.0	100
Chlorobromomethane	FB	Ave	+++++ 560828	21989 1128641	43220	106323	197627	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroform	FB	Ave	30056 2209298	89084 4469427	168524	423229	782815	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dioxane	FB	Ave	+++++ 181908	+++++ 359411	11932	30424	56455	+++++ 1500	+++++ 3000	100	250	500
Isobutyl alcohol	FB	Ave	+++++ 157164	4787 302656	10634	28286	51437	+++++ 600	20.0 1200	40.0	100	200
1,1,1-Trichloroethane	FB	Ave	+++++ 1979376	79823 4079611	148151	377915	707970	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 1944609	80709 3903352	150640	382324	704167	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 1954064	77705 3946919	142986	377704	697339	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloroethane	FB	Ave	13780 1003696	39969 2011425	73057	187748	348763	0.500 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Lin	68027 4519056	181723 8901375	335774	867735	1604859	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	+++++ 1345275	55291 2692239	100267	256924	480936	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113151

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2012 07:35 Calibration End Date: 03/26/2012 09:56 Calibration ID: 8880

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloropropane	FB	Ave	+++++ 966758	38721 1928768	70992	178837	335730	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	+++++ 463192	17815 932605	34695	88231	159484	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorobromomethane	FB	Ave	17512 1367305	50994 2740152	94028	249068	464345	0.300 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	20156 1472418	59445 2981930	105911	271077	496403	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 1129430	43769 2195742	82194	188123	362353	+++++ 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	+++++ 4494720	193291 8900615	344815	874400	1634421	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 1116115	42135 2244717	79624	203635	377431	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 531249	20128 1050887	38647	97847	177800	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 802821	30162 1531762	56971	132160	256459	+++++ 120	4.00 240	8.00	20.0	40.0
1,3-Dichloropropane	CBZ	Ave	12836 944303	38802 1830815	70831	174886	329223	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 1275234	54474 2527382	100288	245807	460546	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorodibromomethane	CBZ	Ave	11584 935458	32909 1875637	64096	165308	309403	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	+++++ 600894	22368 1173905	43091	108175	199297	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	+++++ 1959108	84204 3671799	149182	372761	684978	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	43814 3038277	125691 5764239	234928	575663	1071424	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 1637170	70203 3015951	131152	322624	582848	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	14555 1111901	42780 2147577	82476	205238	387991	0.300 30.0	1.00 60.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 3944797	170314 7299378	315400	792626	1451746	+++++ 60.0	2.00 120	4.00	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 1826273	76030 3393430	142202	350377	664883	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Styrene	CBZ	Ave	+++++ 2938099	116873 5427148	219337	547641	1046868	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromoform	CBZ	Ave	+++++ 475699	15473 939252	31345	79217	155557	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113151

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2012 07:35 Calibration End Date: 03/26/2012 09:56 Calibration ID: 8880

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isopropylbenzene	DCB	Ave	+++++ 5389101	226056 10142095	423594	1060914	1965142	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	+++++ 544448	19727 1071452	40077	92200	181960	+++++ 1200	40.0 2400	80.0	200	400
1,1,2,2-Tetrachloroethane	DCB	Ave	7441 572400	21420 1132650	40655	105076	192866	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 147478	5453 290706	10276	26208	50524	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 1541977	64622 2836807	123730	302934	557545	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	+++++ 1335864	53012 2527707	103009	250764	470285	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 4304072	179986 7716888	340774	849436	1587602	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 1361867	55855 2460389	106435	265711	499547	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 1379667	54707 2588738	102912	260828	499398	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 4210755	174255 7963650	325771	821503	1567014	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 4309527	176573 7993896	331148	828862	1592052	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	+++++ 1351547	56121 2436865	103523	260354	489793	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Isopropyltoluene	DCB	Ave	+++++ 5356962	219794 9722509	413820	1036240	1947749	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 2724340	109062 5081251	207479	514710	979898	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	36662 2634402	102510 4822836	197961	491908	950617	0.300 30.0	1.00 60.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 5062810	203045 8851791	393362	960818	1845545	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 2192495	83381 4102781	165984	403789	780795	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 111330	+++++ 218663	6926	18922	37910	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 1453446	53382 2728443	107736	266773	522645	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Lin	15856 1118185	44439 1948217	84547	207265	414989	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	+++++ 1760575	63120 3377862	127141	314813	619326	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 113151

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2012 07:35 Calibration End Date: 03/26/2012 09:56 Calibration ID: 8880

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 1111448	40784 2094839	84603	204584	398246	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3760.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 07:35
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M0.3 1.5uL 10uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\8260B-H2O.m
Meth Date : 26-Mar-2012 09:56 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 08:20 Cal File: RR3340.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.613	8.613	(1.000)	1635041	12.5000	
*	88 Chlorobenzene-d5	119	11.492	11.492	(1.000)	380340	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.084	14.084	(1.000)	589873	12.5000	
M	2 1,2-Dichloroethene (total)	96				36750	0.60000	0.796389(a)
M	1 Trihalomethanes (total)	100				64285	1.20000	1.41714
M	4 1,3-Dichloropropene (total)	100				34097	0.60000	0.736350(a)
M	3 Xylene (total)	106				87566	0.90000	1.24333
	7 dichlorodifluoromethane	85	4.493	4.493	(0.522)	17396	0.30000	0.398880(aQ)
	9 Chloromethane	50	4.739	4.739	(0.550)	14658	0.30000	0.527641(a)
	10 Vinyl Chloride	62	4.917	4.917	(0.571)	15326	0.30000	0.444428(a)
	12 Bromomethane	94	5.291	5.291	(0.614)	17620	0.30000	0.562594(a)
	13 Chloroethane	64	5.390	5.390	(0.626)	9148	0.30000	0.425537(a)
	15 Trichlorofluoromethane	101	5.695	5.695	(0.661)	27921	0.30000	0.472787(aM)
	16 Ethanol	45	Compound Not Detected.					
	22 Acrolein	56	6.021	6.021	(0.699)	6161	3.00000	3.36531(a)
	24 Acetone	43	6.149	6.149	(0.714)	9355	1.20000	2.53329(a)
	25 1,1-Dichloroethene	96	6.149	6.149	(0.714)	17854	0.30000	0.406484(a)
	26 Iodomethane	142	6.366	6.366	(0.739)	37501	0.30000	0.398793(a)
	28 Acetonitrile	41	6.435	6.435	(0.747)	5648	3.00000	4.39669(a)
	31 tert-Butyl alcohol	59	6.514	6.514	(0.756)	7546	6.00000	7.50700(a)
	32 Methylene Chloride	84	6.563	6.563	(0.762)	22262	0.30000	0.412728(a)
	33 Acrylonitrile	53	6.740	6.740	(0.783)	11856	3.00000	3.43460(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.799	6.799	(0.789)	19557	0.30000	0.411862(a)
38 Isopropyl ether	87	7.085	7.085	(0.823)	46060	1.50000	1.95572(a)
39 1,1-Dichloroethane	63	7.164	7.164	(0.832)	30678	0.30000	0.387834(a)
40 Chloroprene	53	7.223	7.223	(0.839)	26369	0.30000	0.402268(a)
43 2-Butanone	43	7.578	7.578	(0.880)	7586	1.20000	1.72329(a)
45 cis-1,2-Dichloroethene	96	7.647	7.647	(0.888)	17193	0.30000	0.384527(a)
46 Propionitrile	54	7.657	7.657	(0.889)	4136	3.00000	3.33556(aQ)
47 2,2-Dichloropropane	77	7.677	7.677	(0.891)	29863	0.30000	0.442512(a)
48 Methacrylonitrile	41	7.795	7.795	(0.905)	24212	3.00000	3.84111(a)
49 Bromochloromethane	128	7.874	7.874	(0.914)	7570	0.30000	0.384312(a)
50 Chloroform	83	7.874	7.874	(0.914)	30056	0.30000	0.366377(a)
54 1,1,1-Trichloroethane	97	8.101	8.101	(0.940)	28536	0.30000	0.405254(a)
53 Isobutanol	41	8.101	8.101	(0.940)	1353	6.00000	5.20409(aQ)
56 1,1-Dichloropropene	75	8.219	8.219	(0.954)	30253	0.30000	0.427314(a)
57 Carbon Tetrachloride	117	8.258	8.258	(0.959)	28279	0.30000	0.410656(a)
60 1,2-Dichloroethane	62	8.406	8.406	(0.976)	13780	0.50000	0.404327(a)
61 Benzene	78	8.426	8.426	(0.978)	68027	0.30000	0.397390(a)
63 n-Butanol	56	8.613	8.613	(1.000)	11845	9.00000	30.9605(a)
64 Trichloroethene	95	8.929	8.929	(1.037)	19743	0.30000	0.410298(a)
68 1,2-Dichloropropane	63	9.155	9.155	(1.063)	12958	0.30000	0.375332(a)
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.274	9.274	(1.077)	6124	0.30000	0.375616(a)
71 Bromodichloromethane	83	9.353	9.353	(1.086)	17512	0.30000	0.362316(a)
74 cis-1,3-Dichloropropene	75	9.737	9.737	(1.130)	20156	0.30000	0.373642(a)
75 4-Methyl-2-pentanone	43	9.796	9.796	(1.137)	14453	1.20000	1.46858(a)
77 Toluene	91	10.072	10.072	(1.169)	67477	0.30000	0.411567(a)
79 trans-1,3-Dichloropropene	75	10.210	10.210	(1.185)	13941	0.30000	0.362708(a)
80 1,1,2-Trichloroethane	97	10.417	10.417	(1.209)	6798	0.30000	0.371329(a)
81 2-Hexanone	43	10.565	10.565	(0.919)	10454	1.20000	1.50139(a)
82 1,3-Dichloropropane	76	10.595	10.595	(0.922)	12836	0.30000	0.366252(a)
83 Tetrachloroethene	164	10.614	10.614	(0.924)	19168	0.30000	0.411206(a)
84 Dibromochloromethane	129	10.861	10.861	(0.945)	11584	0.30000	0.356739(a)
86 1,2-Dibromoethane	107	11.048	11.048	(0.961)	8177	0.30000	0.396076(a)
87 1-Chlorohexane	91	11.344	11.344	(0.987)	30229	0.30000	0.426652(a)
89 Chlorobenzene	112	11.521	11.521	(1.003)	43814	0.30000	0.382425(a)
90 1,1,1,2-Tetrachloroethane	131	11.571	11.571	(1.007)	14555	0.30000	0.363427(a)
91 Ethylbenzene	106	11.571	11.571	(1.007)	23680	0.30000	0.396940(a)
92 m and p-Xylene	106	11.689	11.689	(1.017)	60927	0.60000	0.838367
93 o-Xylene	106	12.182	12.182	(1.060)	26639	0.30000	0.404962(a)
94 Styrene	104	12.182	12.182	(1.060)	39740	0.30000	0.385421(a)
95 Bromoform	173	12.487	12.487	(1.087)	5133	0.30000	0.331705(a)
96 isopropyl benzene	105	12.566	12.566	(0.892)	78846	0.30000	0.397010(a)
98 Cyclohexanone	55	12.763	12.763	(1.111)	8770	12.0000	19.2223(a)
100 1,1,2,2-Tetrachloroethane	83	12.862	12.862	(0.913)	7441	0.30000	0.358081(a)
102 1,2,3-Trichloropropane	110	12.961	12.961	(0.920)	1850	0.30000	0.364887(aQ)
103 Bromobenzene	156	13.010	13.010	(0.924)	19688	0.30000	0.413436(a)
104 n-Propylbenzene	120	13.010	13.010	(0.924)	23361	0.30000	0.415368(a)
106 2-Chlorotoluene	126	13.168	13.168	(0.935)	19484	0.30000	0.395853(a)
105 1,3,5-Trimethylbenzene	105	13.158	13.158	(0.934)	61811	0.30000	0.392418(a)
107 4-Chlorotoluene	126	13.276	13.276	(0.943)	19429	0.30000	0.395133(a)
108 tert-Butylbenzene	119	13.552	13.552	(0.962)	62581	0.30000	0.410051(a)
109 1,2,4-Trimethylbenzene	105	13.601	13.601	(0.966)	61672	0.30000	0.393809(a)
110 sec-Butylbenzene	134	13.798	13.798	(0.980)	19788	0.30000	0.407010(a)
111 4-Isopropyltoluene	119	13.927	13.927	(0.989)	80592	0.30000	0.416759(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	14.015	14.015	(0.995)	38618	0.30000	0.396442(a)
114 1,4-dichlorobenzene	146	14.114	14.114	(1.002)	36662	0.30000	0.376908(a)
116 n-Butylbenzene	91	14.429	14.429	(1.024)	73061	0.30000	0.401210(a)
117 1,2-Dichlorobenzene	146	14.597	14.597	(1.036)	30473	0.30000	0.395992(a)
118 1,2-Dibromo-3-chloropropane	157	15.602	15.602	(1.108)	681	0.30000	0.188847(aQ)
120 1,2,4-Trichlorobenzene	180	16.815	16.815	(1.194)	19750	0.30000	0.390049(a)
121 Hexachlorobutadiene	225	17.002	17.002	(1.207)	15856	0.30000	0.379575(a)
122 Naphthalene	128	17.268	17.268	(1.226)	22659	0.30000	0.377471(a)
123 1,2,3-Trichlorobenzene	180	17.673	17.673	(1.255)	14726	0.30000	0.379228(a)

QC Flag Legend

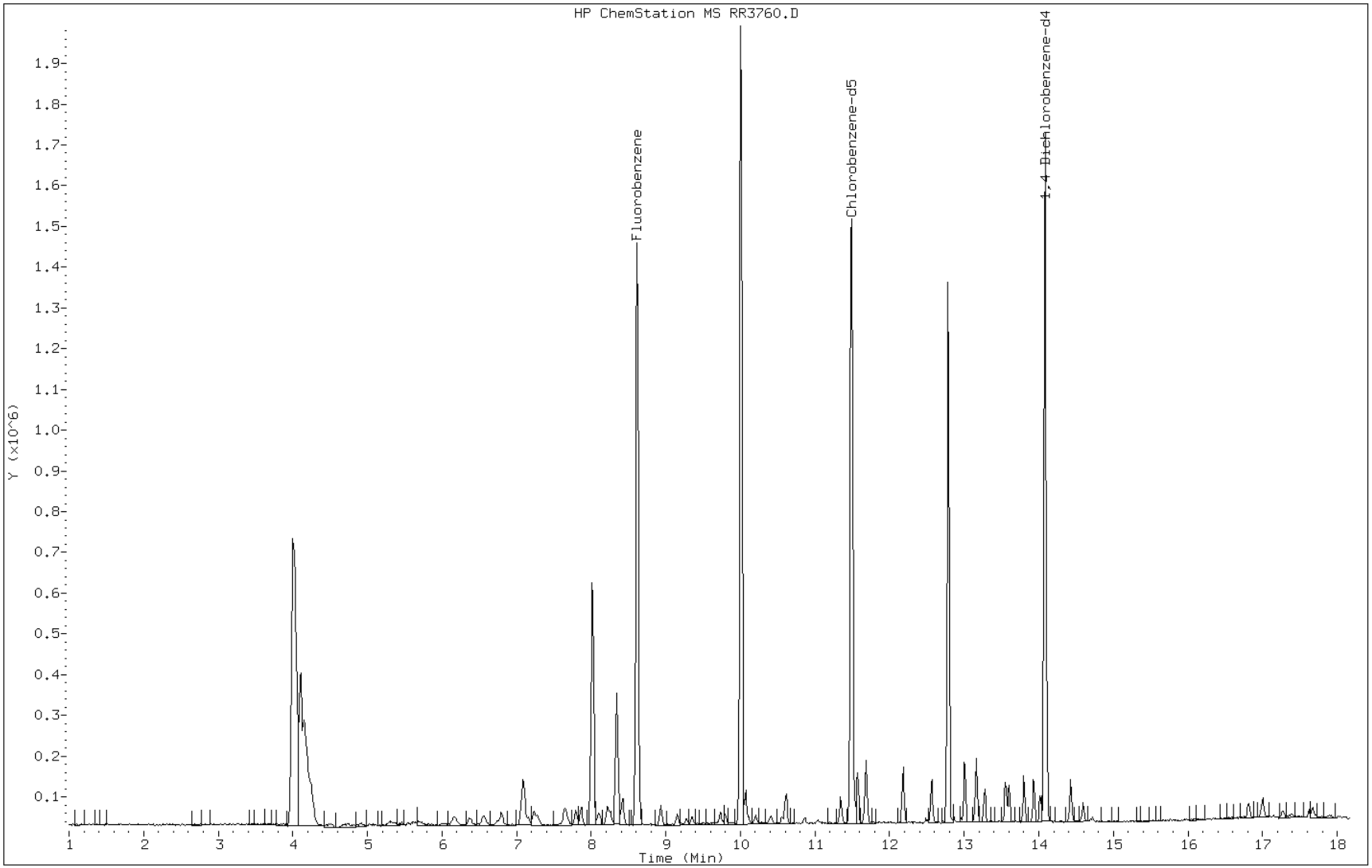
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: RR3760.D

Date: 26-MAR-2012 07:35

Client ID: Instrument: R2.i

Sample Info: IC,,M0.3 1.5uL 10uL Operator: DOBRANSKYM



Manual Integration Report

Data File: RR3760.D
Inj. Date and Time: 26-MAR-2012 07:35
Instrument ID: R2.i
Client ID:
Compound: 15 Trichlorofluoromethane
CAS #:
Report Date: 03/26/2012

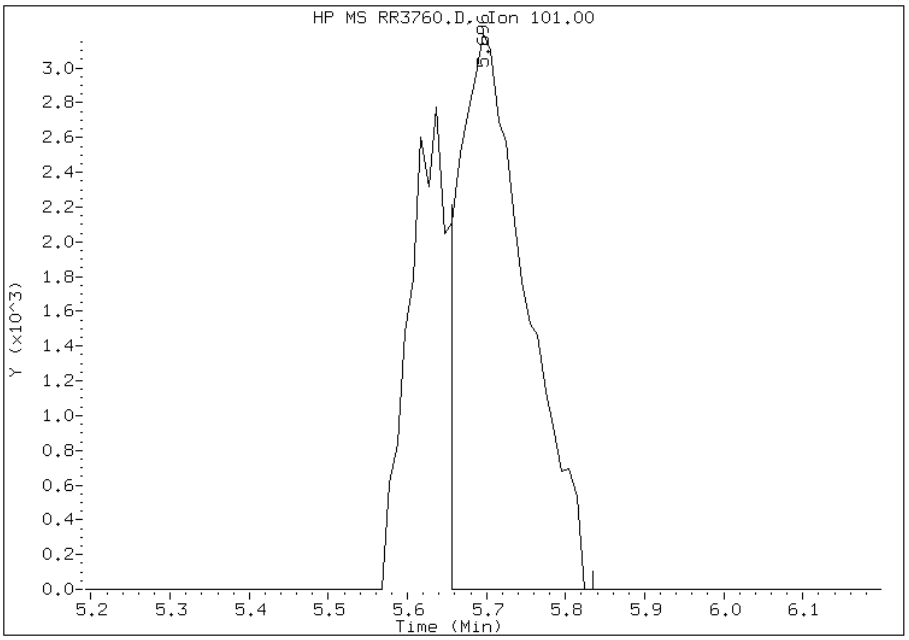
Processing Integration Results

RT: 5.70

Response: 19370

Amount: 0

Conc: 0



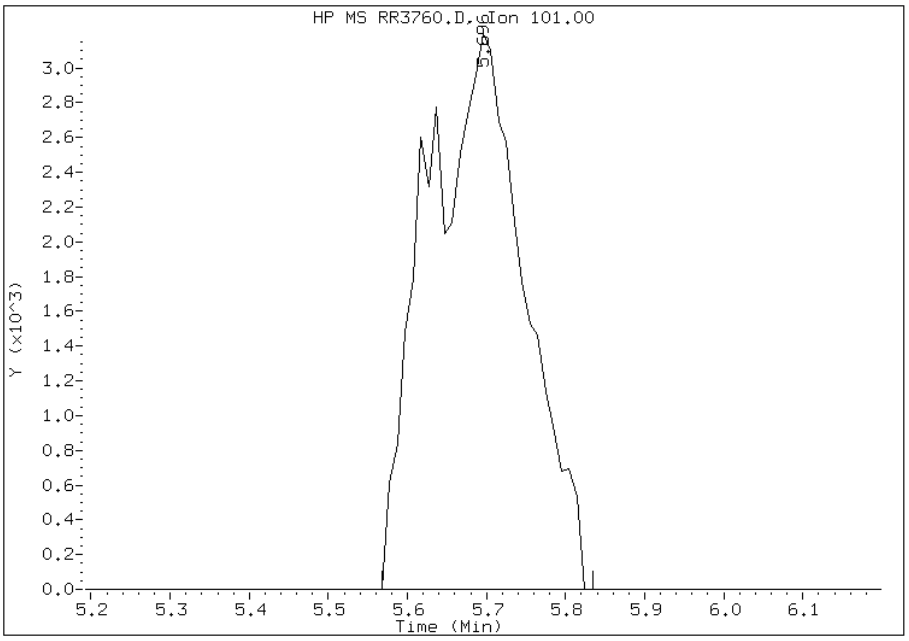
Manual Integration Results

RT: 5.70

Response: 27921

Amount: 0

Conc: 0



Manually Integrated By: dobranskym
Manual Integration Reason: Split Peak

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3761.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 07:59
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M1.0 5uL 10uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\8260B-H2O.m
Meth Date : 27-Mar-2012 17:07 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 08:43 Cal File: RR3341.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC251

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.618	8.618	(1.000)	1717274	12.5000	
* 88	Chlorobenzene-d5	119	11.486	11.486	(1.000)	393873	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.089	14.089	(1.000)	592569	12.5000	(Q)
M 2	1,2-Dichloroethene (total)	96				104679	2.00000	2.16648
M 1	Trihalomethanes (total)	100				188460	4.00000	3.98157
M 4	1,3-Dichloropropene (total)	100				101580	2.00000	2.10300
M 3	Xylene (total)	106				246344	3.00000	3.37176
7	dichlorodifluoromethane	85	4.507	4.507	(0.523)	45201	1.00000	0.987736(a)
8	1,2-Dichlorotetrafluoroethane	85	4.684	4.684	(0.544)	20800	1.00000	0.916715(a)
9	Chloromethane	50	4.753	4.753	(0.552)	33562	1.00000	1.16128(a)
10	Vinyl Chloride	62	4.921	4.921	(0.571)	39720	1.00000	1.09331
12	Bromomethane	94	5.315	5.315	(0.617)	37527	1.00000	1.14727(a)
13	Chloroethane	64	5.394	5.394	(0.626)	26153	1.00000	1.15253(a)
15	Trichlorofluoromethane	101	5.700	5.700	(0.661)	78195	1.00000	1.13839(aM)
16	Ethanol	45	Compound Not Detected.					
22	Acrolein	56	6.045	6.045	(0.701)	19380	10.0000	10.4294(a)
24	Acetone	43	6.153	6.153	(0.714)	16618	4.00000	2.53799(a)
25	1,1-Dichloroethene	96	6.183	6.183	(0.717)	50117	1.00000	1.08902
26	Iodomethane	142	6.380	6.380	(0.740)	103004	1.00000	1.03414
28	Acetonitrile	41	6.419	6.419	(0.745)	11549	10.0000	12.9929(aQM)
31	tert-Butyl alcohol	59	6.528	6.528	(0.758)	21520	20.0000	20.4257(a)
32	Methylene Chloride	84	6.577	6.577	(0.763)	47722	1.00000	1.15069

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
33 Acrylonitrile	53	6.745	6.745	(0.783)	36504	10.0000	10.3938(a)
35 trans-1,2-Dichloroethene	96	6.804	6.804	(0.790)	54325	1.00000	1.09351
38 Isopropyl ether	87	7.100	7.100	(0.824)	136465	5.00000	5.50967(a)
39 1,1-Dichloroethane	63	7.169	7.169	(0.832)	89273	1.00000	1.08596
40 Chloroprene	53	7.238	7.238	(0.840)	74764	1.00000	1.09510
43 2-Butanone	43	7.583	7.583	(0.880)	21475	4.00000	4.79417(a)
45 cis-1,2-Dichloroethene	96	7.652	7.652	(0.888)	50354	1.00000	1.07296
46 Propionitrile	54	7.671	7.671	(0.890)	13321	10.0000	10.4795
47 2,2-Dichloropropane	77	7.671	7.671	(0.890)	79653	1.00000	1.12028(a)
48 Methacrylonitrile	41	7.799	7.799	(0.905)	68096	10.0000	10.5914
49 Bromochloromethane	128	7.868	7.868	(0.913)	21989	1.00000	1.05171
50 Chloroform	83	7.878	7.878	(0.914)	89084	1.00000	1.03472
54 1,1,1-Trichloroethane	97	8.115	8.115	(0.942)	79823	1.00000	1.07413
53 Isobutanol	41	8.105	8.105	(0.941)	4787	20.0000	17.9126(aQ)
56 1,1-Dichloropropene	75	8.223	8.223	(0.954)	80709	1.00000	1.08985
57 Carbon Tetrachloride	117	8.263	8.263	(0.959)	77705	1.00000	1.06746
60 1,2-Dichloroethane	62	8.411	8.411	(0.976)	39969	1.00000	1.11617
61 Benzene	78	8.430	8.430	(0.978)	181723	1.00000	0.605528(a)
63 n-Butanol	56	8.618	8.618	(1.000)	18264	30.0000	33.0334(a)
64 Trichloroethene	95	8.933	8.933	(1.037)	55291	1.00000	1.09672
68 1,2-Dichloropropane	63	9.160	9.160	(1.063)	38721	1.00000	1.08796
69 1,4-Dioxane	88	9.209	9.209	(1.069)	5670	50.0000	46.0858(a)
70 Dibromomethane	93	9.278	9.278	(1.077)	17815	1.00000	1.04338
71 Bromodichloromethane	83	9.357	9.357	(1.086)	50994	1.00000	1.00672
74 cis-1,3-Dichloropropene	75	9.732	9.732	(1.129)	59445	1.00000	1.05592
75 4-Methyl-2-pentanone	43	9.801	9.801	(1.137)	43769	4.00000	4.38699(a)
77 Toluene	91	10.077	10.077	(1.169)	193291	1.00000	1.12732
79 trans-1,3-Dichloropropene	75	10.205	10.205	(1.184)	42135	1.00000	1.04709
80 1,1,2-Trichloroethane	97	10.422	10.422	(1.209)	20128	1.00000	1.04938
81 2-Hexanone	43	10.560	10.560	(0.919)	30162	4.00000	4.33797(a)
82 1,3-Dichloropropane	76	10.599	10.599	(0.923)	38802	1.00000	1.07328
83 Tetrachloroethene	164	10.619	10.619	(0.924)	54474	1.00000	1.12371
84 Dibromochloromethane	129	10.865	10.865	(0.946)	32909	1.00000	0.976410(a)
86 1,2-Dibromoethane	107	11.043	11.043	(0.961)	22368	1.00000	1.04851
87 1-Chlorohexane	91	11.348	11.348	(0.988)	84204	1.00000	1.15356
89 Chlorobenzene	112	11.526	11.526	(1.003)	125691	1.00000	1.06128
90 1,1,1,2-Tetrachloroethane	131	11.575	11.575	(1.008)	42780	1.00000	1.02405
91 Ethylbenzene	106	11.575	11.575	(1.008)	70203	1.00000	1.13370
92 m and p-Xylene	106	11.683	11.683	(1.017)	170314	2.00000	2.25955
93 o-Xylene	106	12.186	12.186	(1.061)	76030	1.00000	1.11221
94 Styrene	104	12.186	12.186	(1.061)	116873	1.00000	1.08973
95 Bromoform	173	12.492	12.492	(1.088)	15473	1.00000	0.963706(a)
96 isopropyl benzene	105	12.561	12.561	(0.892)	226056	1.00000	1.14527
98 Cyclohexanone	55	12.768	12.768	(1.112)	19727	40.0000	41.1443
100 1,1,2,2-Tetrachloroethane	83	12.866	12.866	(0.913)	21420	1.00000	1.04182
102 1,2,3-Trichloropropane	110	12.965	12.965	(0.920)	5453	1.00000	1.07669
103 Bromobenzene	156	13.014	13.014	(0.924)	53012	1.00000	1.11285
104 n-Propylbenzene	120	13.004	13.004	(0.923)	64622	1.00000	1.14582
106 2-Chlorotoluene	126	13.172	13.172	(0.935)	55855	1.00000	1.13304
105 1,3,5-Trimethylbenzene	105	13.162	13.162	(0.934)	179986	1.00000	1.14623
107 4-Chlorotoluene	126	13.280	13.280	(0.943)	54707	1.00000	1.11384
108 tert-Butylbenzene	119	13.556	13.556	(0.962)	174255	1.00000	1.13328
109 1,2,4-Trimethylbenzene	105	13.596	13.596	(0.965)	176573	1.00000	1.13280
110 sec-Butylbenzene	134	13.803	13.803	(0.980)	56121	1.00000	1.15364

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
111 4-Isopropyltoluene	119	13.931	13.931	(0.989)	219794	1.00000	1.13832
112 1,3-Dichlorobenzene	146	14.020	14.020	(0.995)	109062	1.00000	1.12068
114 1,4-dichlorobenzene	146	14.118	14.118	(1.002)	102510	1.00000	1.05411
116 n-Butylbenzene	91	14.424	14.424	(1.024)	203045	1.00000	1.12544
117 1,2-Dichlorobenzene	146	14.591	14.591	(1.036)	83381	1.00000	1.08172
118 1,2-Dibromo-3-chloropropane	157	15.597	15.597	(1.107)	3649	1.00000	1.00214(a)
120 1,2,4-Trichlorobenzene	180	16.809	16.809	(1.193)	53382	1.00000	1.05358
121 Hexachlorobutadiene	225	17.007	17.007	(1.207)	44439	1.00000	0.341224(a)
122 Naphthalene	128	17.273	17.273	(1.226)	63120	1.00000	1.04232
123 1,2,3-Trichlorobenzene	180	17.677	17.677	(1.255)	40784	1.00000	1.04727

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: RR3761.D

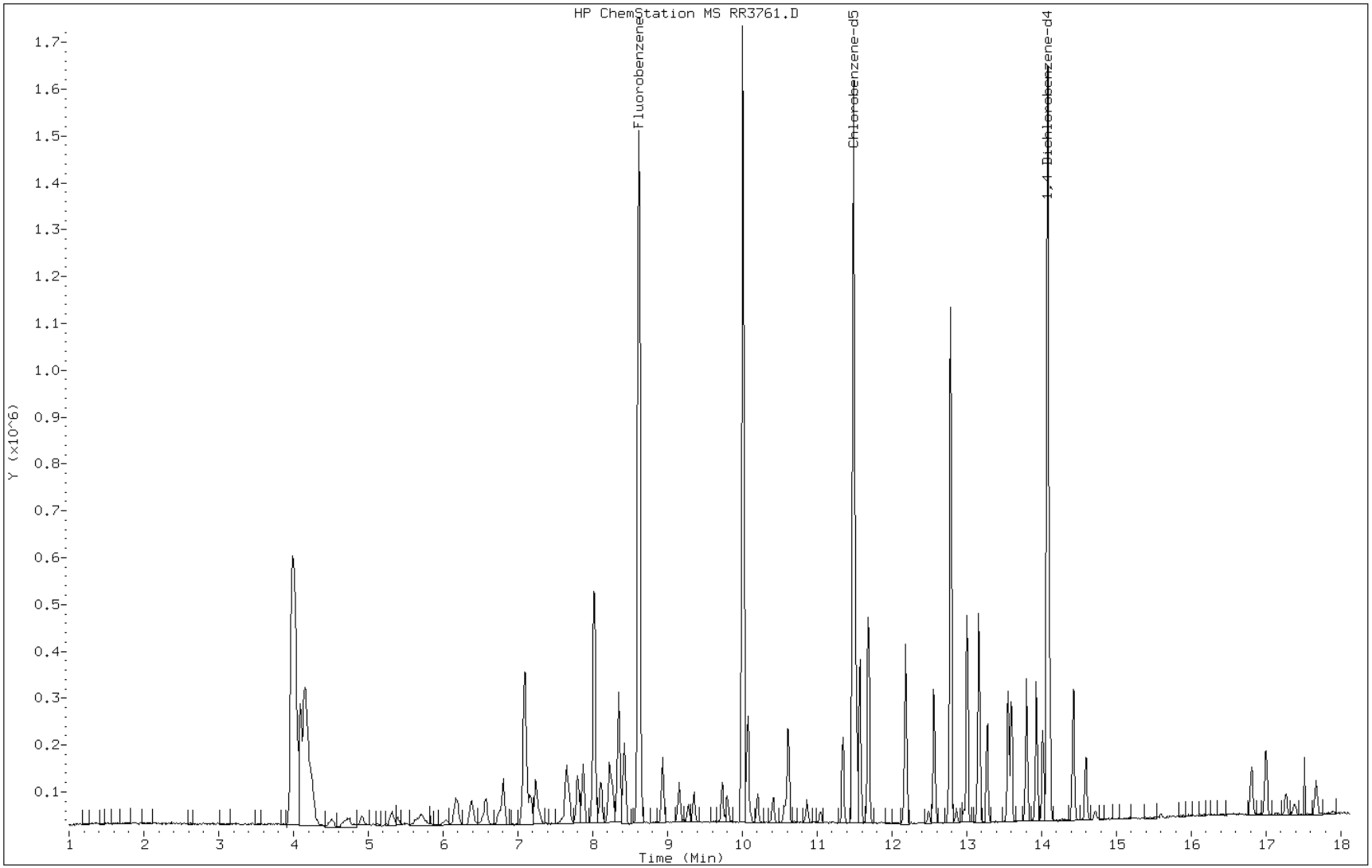
Date: 26-MAR-2012 07:59

Client ID:

Instrument: R2.i

Sample Info: IC,,M1.0 5uL 10uL

Operator: DOBRANSKYM



Manual Integration Report

Data File: RR3761.D
Inj. Date and Time: 26-MAR-2012 07:59
Instrument ID: R2.i
Client ID:
Compound: 28 Acetonitrile
CAS #: 75-05-8
Report Date: 03/27/2012

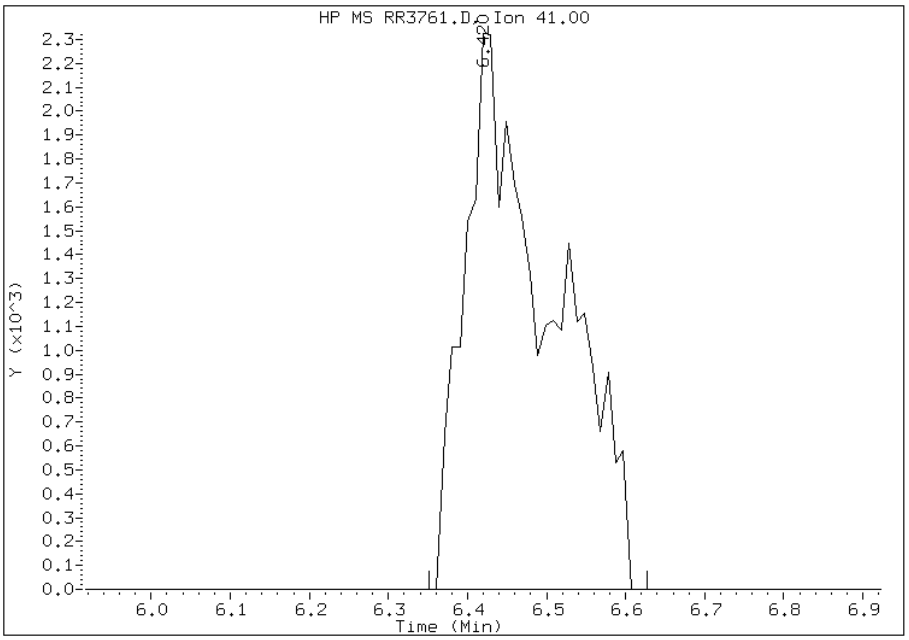
Processing Integration Results

RT: 6.42

Response: 17883

Amount: 13

Conc: 13



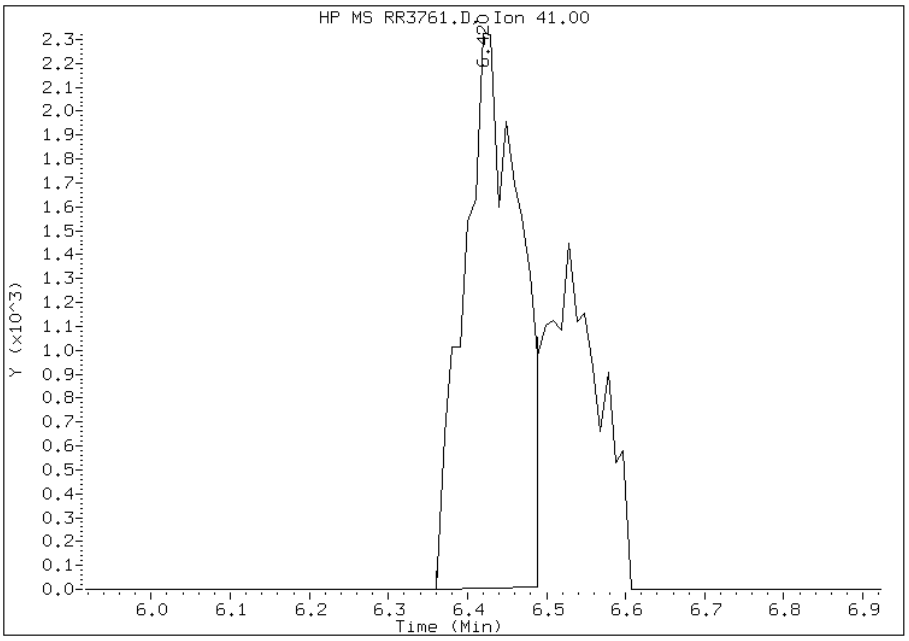
Manual Integration Results

RT: 6.42

Response: 11549

Amount: 13

Conc: 13



Manually Integrated By: seifertj
Manual Integration Reason: Mis-Integrated

Manual Integration Report

Data File: RR3761.D
Inj. Date and Time: 26-MAR-2012 07:59
Instrument ID: R2.i
Client ID:
Compound: 15 Trichlorofluoromethane
CAS #:
Report Date: 03/27/2012

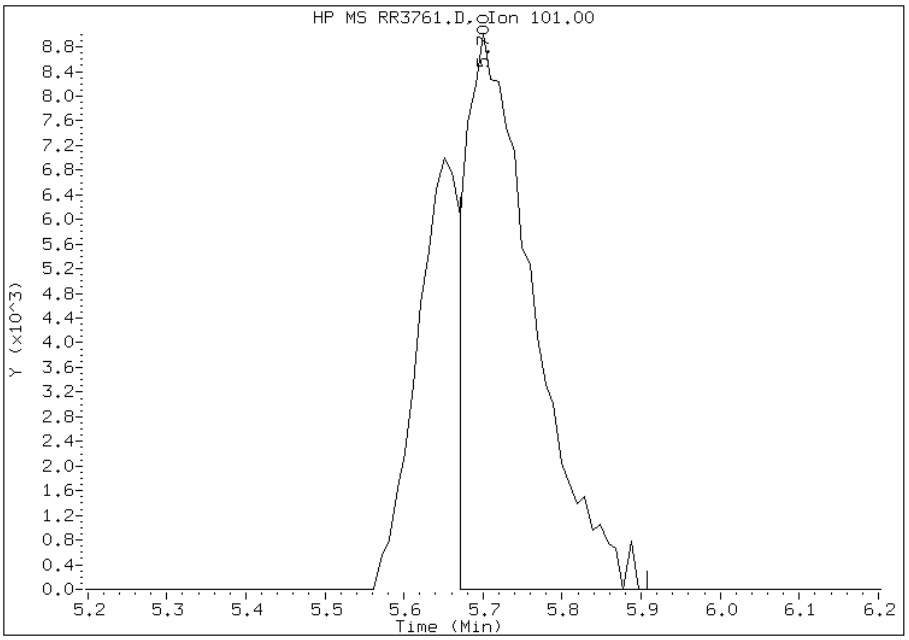
Processing Integration Results

RT: 5.70

Response: 55645

Amount: 1

Conc: 1



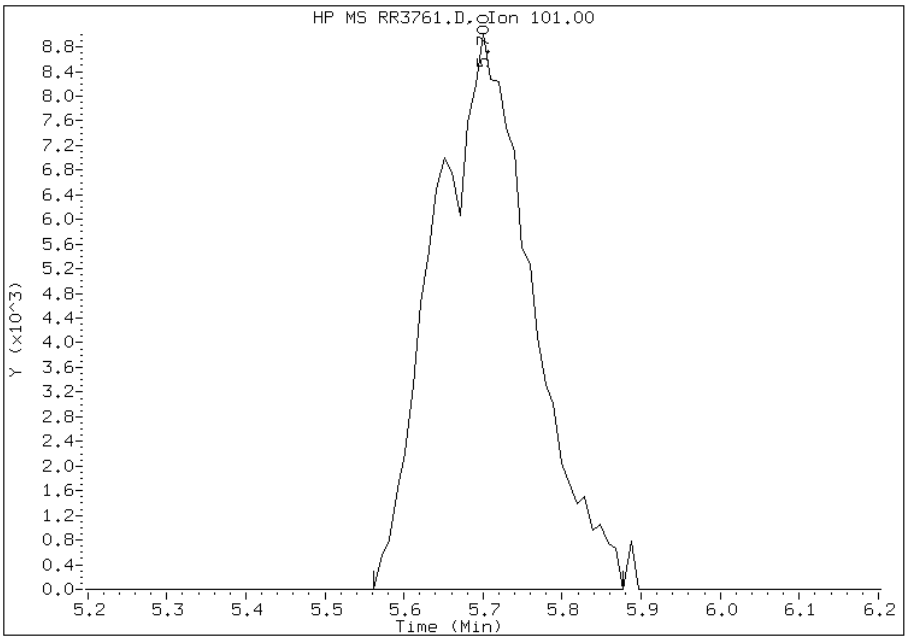
Manual Integration Results

RT: 5.70

Response: 78195

Amount: 1

Conc: 1



Manually Integrated By: dobranskym
Manual Integration Reason: Split Peak

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3762.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 08:22
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M2.0 10uL 10uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\8260B-H2O.m
Meth Date : 27-Mar-2012 17:07 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 06:48 Cal File: RR3336.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC251

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.619	8.619	(1.000)	1633581	12.5000	
*	88 Chlorobenzene-d5	119	11.488	11.488	(1.000)	384728	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.080	14.080	(1.000)	595041	12.5000	
M	2 1,2-Dichloroethene (total)	96				193328	4.00000	4.20679
M	1 Trihalomethanes (total)	100				357993	8.00000	7.95473
M	4 1,3-Dichloropropene (total)	100				185535	4.00000	4.05777
M	3 Xylene (total)	106				457602	6.00000	6.41352
	7 dichlorodifluoromethane	85	4.508	4.508	(0.523)	99946	2.00000	2.29592
	8 1,2-Dichlorotetrafluoroethane	85	4.686	4.686	(0.544)	44799	2.00000	2.07557
	9 Chloromethane	50	4.735	4.735	(0.549)	56883	2.00000	2.06905
	10 Vinyl Chloride	62	4.913	4.913	(0.570)	78207	2.00000	2.26297
	12 Bromomethane	94	5.307	5.307	(0.616)	66904	2.00000	2.15017
	13 Chloroethane	64	5.386	5.386	(0.625)	47976	2.00000	2.22256
	15 Trichlorofluoromethane	101	5.701	5.701	(0.661)	154734	2.00000	2.36808
	16 Ethanol	45	5.741	5.741	(0.666)	11457	100.000	119.583(a)
	22 Acrolein	56	6.036	6.036	(0.700)	40311	20.0000	22.8050
	24 Acetone	43	6.135	6.135	(0.712)	28893	8.00000	7.56572(a)
	25 1,1-Dichloroethene	96	6.184	6.184	(0.718)	93592	2.00000	2.13790
	26 Iodomethane	142	6.371	6.371	(0.739)	198525	2.00000	2.09527
	28 Acetonitrile	41	6.411	6.411	(0.744)	18603	20.0000	22.0010(M)
	31 tert-Butyl alcohol	59	6.519	6.519	(0.756)	42394	40.0000	42.2998(a)
	32 Methylene Chloride	84	6.569	6.569	(0.762)	86636	2.00000	2.19602

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
33	Acrylonitrile	53	6.746	6.746	(0.783)	69668	20.0000	20.8528
35	trans-1,2-Dichloroethene	96	6.805	6.805	(0.790)	99842	2.00000	2.11269
38	Isopropyl ether	87	7.091	7.091	(0.823)	254846	10.0000	10.8164
39	1,1-Dichloroethane	63	7.160	7.160	(0.831)	159788	2.00000	2.04331
40	Chloroprene	53	7.229	7.229	(0.839)	134186	2.00000	2.06618
43	2-Butanone	43	7.584	7.584	(0.880)	37170	8.00000	8.72311
45	cis-1,2-Dichloroethene	96	7.643	7.643	(0.887)	93486	2.00000	2.09410
46	Propionitrile	54	7.663	7.663	(0.889)	25086	20.0000	20.7460
47	2,2-Dichloropropane	77	7.673	7.673	(0.890)	147335	2.00000	2.17837(a)
48	Methacrylonitrile	41	7.801	7.801	(0.905)	126104	20.0000	20.6185
49	Bromochloromethane	128	7.870	7.870	(0.913)	43220	2.00000	2.17308
50	Chloroform	83	7.870	7.870	(0.913)	168524	2.00000	2.05772
54	1,1,1-Trichloroethane	97	8.106	8.106	(0.941)	148151	2.00000	2.09572
53	Isobutanol	41	8.087	8.087	(0.938)	10634	40.0000	41.8304(aQ)
56	1,1-Dichloropropene	75	8.215	8.215	(0.953)	150640	2.00000	2.13838
57	Carbon Tetrachloride	117	8.264	8.264	(0.959)	142986	2.00000	2.06489
60	1,2-Dichloroethane	62	8.412	8.412	(0.976)	73057	2.00000	2.14471
61	Benzene	78	8.422	8.422	(0.977)	335774	2.00000	1.73485
63	n-Butanol	56	8.639	8.639	(1.002)	23916	60.0000	58.7138
64	Trichloroethene	95	8.934	8.934	(1.037)	100267	2.00000	2.09072
68	1,2-Dichloropropane	63	9.151	9.151	(1.062)	70992	2.00000	2.09688
69	1,4-Dioxane	88	9.210	9.210	(1.069)	11932	100.000	101.952(a)
70	Dibromomethane	93	9.280	9.280	(1.077)	34695	2.00000	2.13611
71	Bromodichloromethane	83	9.358	9.358	(1.086)	94028	2.00000	1.95141
74	cis-1,3-Dichloropropene	75	9.733	9.733	(1.129)	105911	2.00000	1.97768
75	4-Methyl-2-pentanone	43	9.802	9.802	(1.137)	82194	8.00000	8.66043
77	Toluene	91	10.078	10.078	(1.169)	344815	2.00000	2.11407
79	trans-1,3-Dichloropropene	75	10.206	10.206	(1.184)	79624	2.00000	2.08009
80	1,1,2-Trichloroethane	97	10.413	10.413	(1.208)	38647	2.00000	2.11811
81	2-Hexanone	43	10.561	10.561	(0.919)	56971	8.00000	8.38846
82	1,3-Dichloropropane	76	10.600	10.600	(0.923)	70831	2.00000	2.00579
83	Tetrachloroethene	164	10.620	10.620	(0.924)	100288	2.00000	2.11796
84	Dibromochloromethane	129	10.867	10.867	(0.946)	64096	2.00000	1.94693
86	1,2-Dibromoethane	107	11.044	11.044	(0.961)	43091	2.00000	2.06793
87	1-Chlorohexane	91	11.350	11.350	(0.988)	149182	2.00000	2.09231
89	Chlorobenzene	112	11.527	11.527	(1.003)	234928	2.00000	2.03078
90	1,1,1,2-Tetrachloroethane	131	11.576	11.576	(1.008)	82476	2.00000	2.02121
91	Ethylbenzene	106	11.576	11.576	(1.008)	131152	2.00000	2.16830
92	m and p-Xylene	106	11.685	11.685	(1.017)	315400	4.00000	4.28386
93	o-Xylene	106	12.178	12.178	(1.060)	142202	2.00000	2.12966
94	Styrene	104	12.188	12.188	(1.061)	219337	2.00000	2.09372
95	Bromoform	173	12.493	12.493	(1.088)	31345	2.00000	1.99867
96	isopropyl benzene	105	12.562	12.562	(0.892)	423594	2.00000	2.13715
98	Cyclohexanone	55	12.759	12.759	(1.111)	40077	80.0000	85.5749
100	1,1,2,2-Tetrachloroethane	83	12.858	12.858	(0.913)	40655	2.00000	1.96916
102	1,2,3-Trichloropropane	110	12.966	12.966	(0.921)	10276	2.00000	2.02056
103	Bromobenzene	156	13.006	13.006	(0.924)	103009	2.00000	2.15342
104	n-Propylbenzene	120	13.006	13.006	(0.924)	123730	2.00000	2.18476
106	2-Chlorotoluene	126	13.173	13.173	(0.936)	106435	2.00000	2.15012
105	1,3,5-Trimethylbenzene	105	13.163	13.163	(0.935)	340774	2.00000	2.16118
107	4-Chlorotoluene	126	13.282	13.282	(0.943)	102912	2.00000	2.08660
108	tert-Butylbenzene	119	13.558	13.558	(0.963)	325771	2.00000	2.10988
109	1,2,4-Trimethylbenzene	105	13.597	13.597	(0.966)	331148	2.00000	2.11565
110	sec-Butylbenzene	134	13.804	13.804	(0.980)	103523	2.00000	2.11920

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
111 4-Isopropyltoluene	119	13.932	13.932	(0.989)	413820	2.00000	2.13428
112 1,3-Dichlorobenzene	146	14.021	14.021	(0.996)	207479	2.00000	2.12313
114 1,4-dichlorobenzene	146	14.120	14.120	(1.003)	197961	2.00000	2.02718
116 n-Butylbenzene	91	14.425	14.425	(1.025)	393362	2.00000	2.17127
117 1,2-Dichlorobenzene	146	14.593	14.593	(1.036)	165984	2.00000	2.14440
118 1,2-Dibromo-3-chloropropane	157	15.598	15.598	(1.108)	6926	2.00000	1.89421(a)
120 1,2,4-Trichlorobenzene	180	16.811	16.811	(1.194)	107736	2.00000	2.11752
121 Hexachlorobutadiene	225	17.008	17.008	(1.208)	84547	2.00000	1.52681
122 Naphthalene	128	17.274	17.274	(1.227)	127141	2.00000	2.09080
123 1,2,3-Trichlorobenzene	180	17.678	17.678	(1.256)	84603	2.00000	2.16345

QC Flag Legend

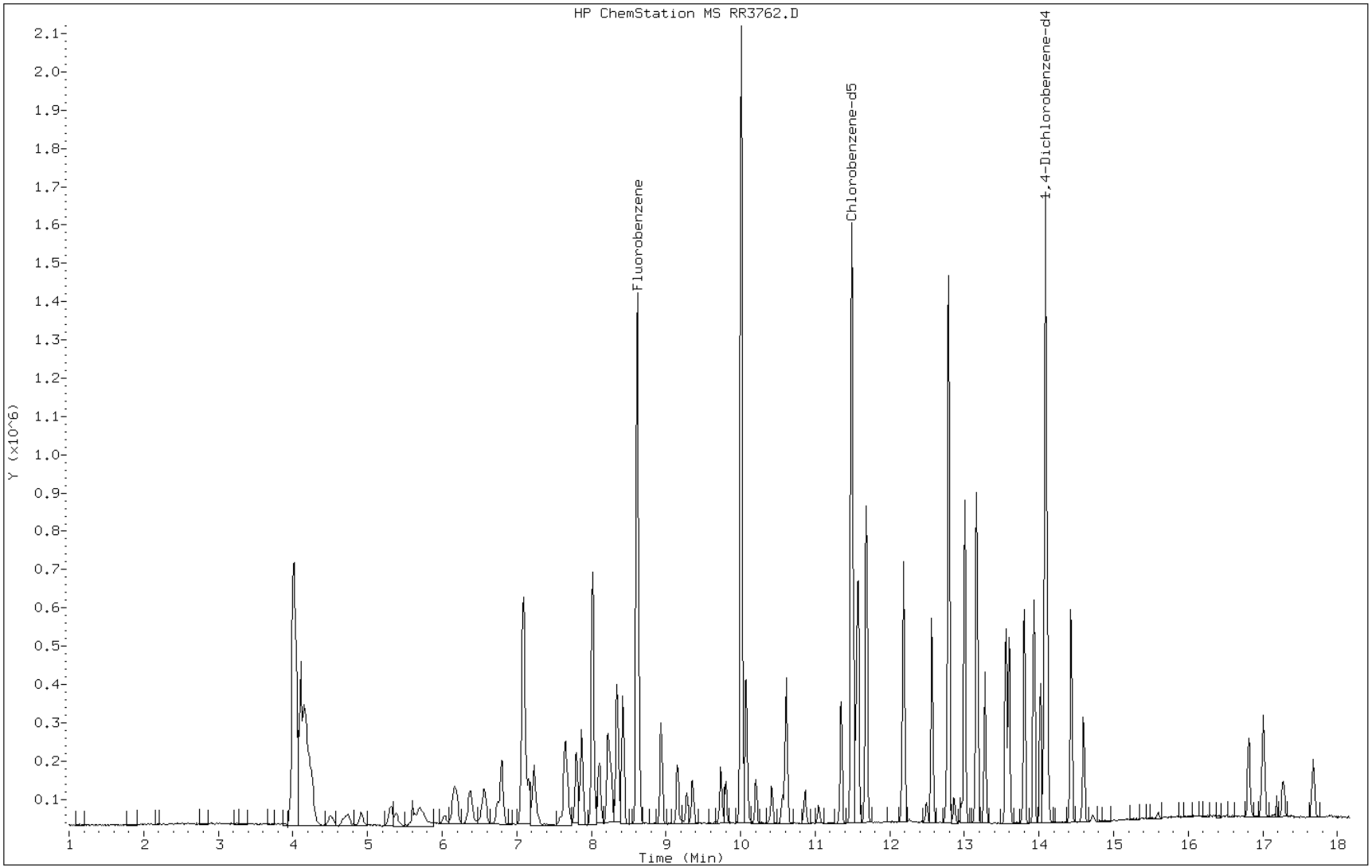
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: RR3762.D

Date: 26-MAR-2012 08:22

Client ID: Instrument: R2.i

Sample Info: IC,,M2.0 10uL 10uL Operator: DOBRANSKYM



Manual Integration Report

Data File: RR3762.D
Inj. Date and Time: 26-MAR-2012 08:22
Instrument ID: R2.i
Client ID:
Compound: 28 Acetonitrile
CAS #: 75-05-8
Report Date: 03/27/2012

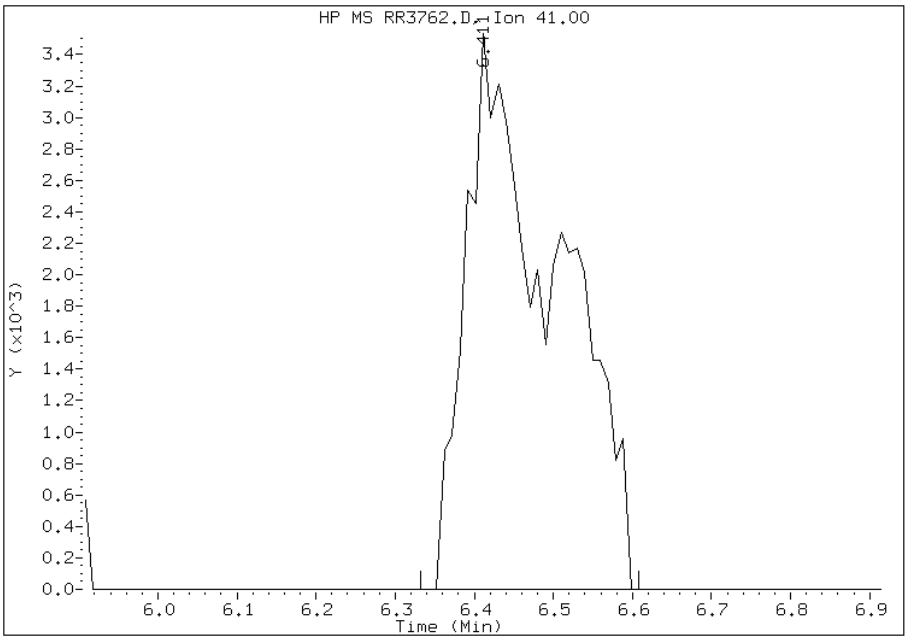
Processing Integration Results

RT: 6.41

Response: 28302

Amount: 22

Conc: 22



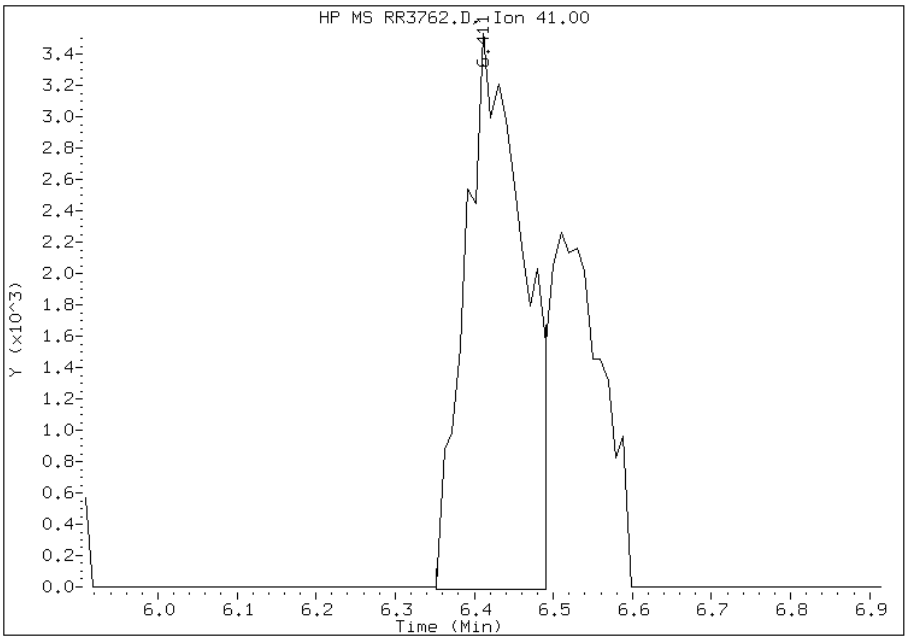
Manual Integration Results

RT: 6.41

Response: 18603

Amount: 22

Conc: 22



Manually Integrated By: seifertj
Manual Integration Reason: Mis-Integrated

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3763.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 08:45
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M5.0 2.5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\8260B-H2O.m
Meth Date : 27-Mar-2012 17:07 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 07:11 Cal File: RR3337.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC251

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.614	8.614	(1.000)	1721951	12.5000	
* 88 Chlorobenzene-d5	119	11.492	11.492	(1.000)	391875	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.085	14.085	(1.000)	608923	12.5000	
M 2 1,2-Dichloroethene (total)	96				498083	10.0000	10.2841
M 1 Trihalomethanes (total)	100				916822	20.0000	19.6950
M 4 1,3-Dichloropropene (total)	100				474712	10.0000	9.84879
M 3 Xylene (total)	106				1143003	15.0000	15.7210
7 dichlorodifluoromethane	85	4.513	4.513	(0.524)	225618	5.00000	4.91683
8 1,2-Dichlorotetrafluoroethane	85	4.670	4.670	(0.542)	120137	5.00000	5.28040
9 Chloromethane	50	4.739	4.739	(0.550)	138384	5.00000	4.77523
10 Vinyl Chloride	62	4.907	4.907	(0.570)	176894	5.00000	4.85586
12 Bromomethane	94	5.311	5.311	(0.617)	163348	5.00000	4.98029
13 Chloroethane	64	5.380	5.380	(0.625)	110595	5.00000	4.86056
15 Trichlorofluoromethane	101	5.706	5.706	(0.662)	348443	5.00000	5.05897(M)
16 Ethanol	45	5.706	5.706	(0.662)	25620	250.000	253.687
22 Acrolein	56	6.021	6.021	(0.699)	90665	50.0000	48.6593
24 Acetone	43	6.129	6.129	(0.712)	62300	20.0000	19.1735
25 1,1-Dichloroethene	96	6.179	6.179	(0.717)	237399	5.00000	5.14454
26 Iodomethane	142	6.376	6.376	(0.740)	517339	5.00000	5.17989
28 Acetonitrile	41	6.415	6.415	(0.745)	44108	50.0000	49.4877(QM)
31 tert-Butyl alcohol	59	6.514	6.514	(0.756)	105934	100.000	100.274
32 Methylene Chloride	84	6.563	6.563	(0.762)	209143	5.00000	5.02923

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
33	Acrylonitrile	53	6.741	6.741	(0.783)	180401	50.0000	51.2260
35	trans-1,2-Dichloroethene	96	6.800	6.800	(0.789)	255452	5.00000	5.12806
38	Isopropyl ether	87	7.086	7.086	(0.823)	641438	25.0000	25.8272
39	1,1-Dichloroethane	63	7.155	7.155	(0.831)	422046	5.00000	5.12001
40	Chloroprene	53	7.224	7.224	(0.839)	348674	5.00000	5.09331
43	2-Butanone	43	7.578	7.578	(0.880)	82580	20.0000	18.3854
45	cis-1,2-Dichloroethene	96	7.638	7.638	(0.887)	242631	5.00000	5.15605
46	Propionitrile	54	7.657	7.657	(0.889)	63944	50.0000	50.1676
47	2,2-Dichloropropane	77	7.667	7.667	(0.890)	362530	5.00000	5.08498
48	Methacrylonitrile	41	7.795	7.795	(0.905)	318486	50.0000	49.4014
49	Bromochloromethane	128	7.864	7.864	(0.913)	106323	5.00000	5.07151
50	Chloroform	83	7.864	7.864	(0.913)	423229	5.00000	4.90252
54	1,1,1-Trichloroethane	97	8.111	8.111	(0.942)	377915	5.00000	5.07156
53	Isobutanol	41	8.091	8.091	(0.939)	28286	100.000	105.557
56	1,1-Dichloropropene	75	8.219	8.219	(0.954)	382324	5.00000	5.14869
57	Carbon Tetrachloride	117	8.259	8.259	(0.959)	377704	5.00000	5.17457
60	1,2-Dichloroethane	62	8.407	8.407	(0.976)	187748	5.00000	5.22879
61	Benzene	78	8.426	8.426	(0.978)	867735	5.00000	5.11384
63	n-Butanol	56	8.643	8.643	(1.003)	48603	150.000	145.829
64	Trichloroethene	95	8.929	8.929	(1.037)	256924	5.00000	5.08234
68	1,2-Dichloropropane	63	9.146	9.146	(1.062)	178837	5.00000	5.01121
69	1,4-Dioxane	88	9.215	9.215	(1.070)	30424	250.000	246.615
70	Dibromomethane	93	9.274	9.274	(1.077)	88231	5.00000	5.15344
71	Bromodichloromethane	83	9.353	9.353	(1.086)	249068	5.00000	4.90376
74	cis-1,3-Dichloropropene	75	9.727	9.727	(1.129)	271077	5.00000	4.80205
75	4-Methyl-2-pentanone	43	9.796	9.796	(1.137)	188123	20.0000	18.8045
77	Toluene	91	10.072	10.072	(1.169)	874400	5.00000	5.08584
79	trans-1,3-Dichloropropene	75	10.201	10.201	(1.184)	203635	5.00000	5.04674
80	1,1,2-Trichloroethane	97	10.417	10.417	(1.209)	97847	5.00000	5.08745
81	2-Hexanone	43	10.556	10.556	(0.919)	132160	20.0000	19.1045
82	1,3-Dichloropropane	76	10.595	10.595	(0.922)	174886	5.00000	4.86210
83	Tetrachloroethene	164	10.615	10.615	(0.924)	245807	5.00000	5.09647
84	Dibromochloromethane	129	10.861	10.861	(0.945)	165308	5.00000	4.92970
86	1,2-Dibromoethane	107	11.039	11.039	(0.961)	108175	5.00000	5.09662
87	1-Chlorohexane	91	11.344	11.344	(0.987)	372761	5.00000	5.13272
89	Chlorobenzene	112	11.522	11.522	(1.003)	575663	5.00000	4.88544
90	1,1,1,2-Tetrachloroethane	131	11.571	11.571	(1.007)	205238	5.00000	4.93797
91	Ethylbenzene	106	11.571	11.571	(1.007)	322624	5.00000	5.23658
92	m and p-Xylene	106	11.679	11.679	(1.016)	792626	10.0000	10.5693
93	o-Xylene	106	12.182	12.182	(1.060)	350377	5.00000	5.15165
94	Styrene	104	12.182	12.182	(1.060)	547641	5.00000	5.13227
95	Bromoform	173	12.488	12.488	(1.087)	79217	5.00000	4.95904
96	isopropyl benzene	105	12.566	12.566	(0.892)	1060914	5.00000	5.23057
98	Cyclohexanone	55	12.764	12.764	(1.111)	92200	200.000	193.281
100	1,1,2,2-Tetrachloroethane	83	12.862	12.862	(0.913)	105076	5.00000	4.97342
102	1,2,3-Trichloropropane	110	12.961	12.961	(0.920)	26208	5.00000	5.03578
103	Bromobenzene	156	13.010	13.010	(0.924)	250764	5.00000	5.12276
104	n-Propylbenzene	120	13.000	13.000	(0.923)	302934	5.00000	5.22710
106	2-Chlorotoluene	126	13.168	13.168	(0.935)	265711	5.00000	5.24531
105	1,3,5-Trimethylbenzene	105	13.158	13.158	(0.934)	849436	5.00000	5.26429
107	4-Chlorotoluene	126	13.276	13.276	(0.943)	260828	5.00000	5.16786
108	tert-Butylbenzene	119	13.552	13.552	(0.962)	821503	5.00000	5.19924
109	1,2,4-Trimethylbenzene	105	13.602	13.602	(0.966)	828862	5.00000	5.17475
110	sec-Butylbenzene	134	13.799	13.799	(0.980)	260354	5.00000	5.20816

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
111 4-Isopropyltoluene	119	13.927	13.927	(0.989)	1036240	5.00000	5.22259
112 1,3-Dichlorobenzene	146	14.016	14.016	(0.995)	514710	5.00000	5.14694
114 1,4-dichlorobenzene	146	14.114	14.114	(1.002)	491908	5.00000	4.92245
116 n-Butylbenzene	91	14.430	14.430	(1.024)	960818	5.00000	5.18259
117 1,2-Dichlorobenzene	146	14.597	14.597	(1.036)	403789	5.00000	5.09774
118 1,2-Dibromo-3-chloropropane	157	15.593	15.593	(1.107)	18922	5.00000	5.05704
120 1,2,4-Trichlorobenzene	180	16.815	16.815	(1.194)	266773	5.00000	5.12381
121 Hexachlorobutadiene	225	17.002	17.002	(1.207)	207265	5.00000	5.03085
122 Naphthalene	128	17.269	17.269	(1.226)	314813	5.00000	5.05899
123 1,2,3-Trichlorobenzene	180	17.673	17.673	(1.255)	204584	5.00000	5.11230

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: RR3763.D

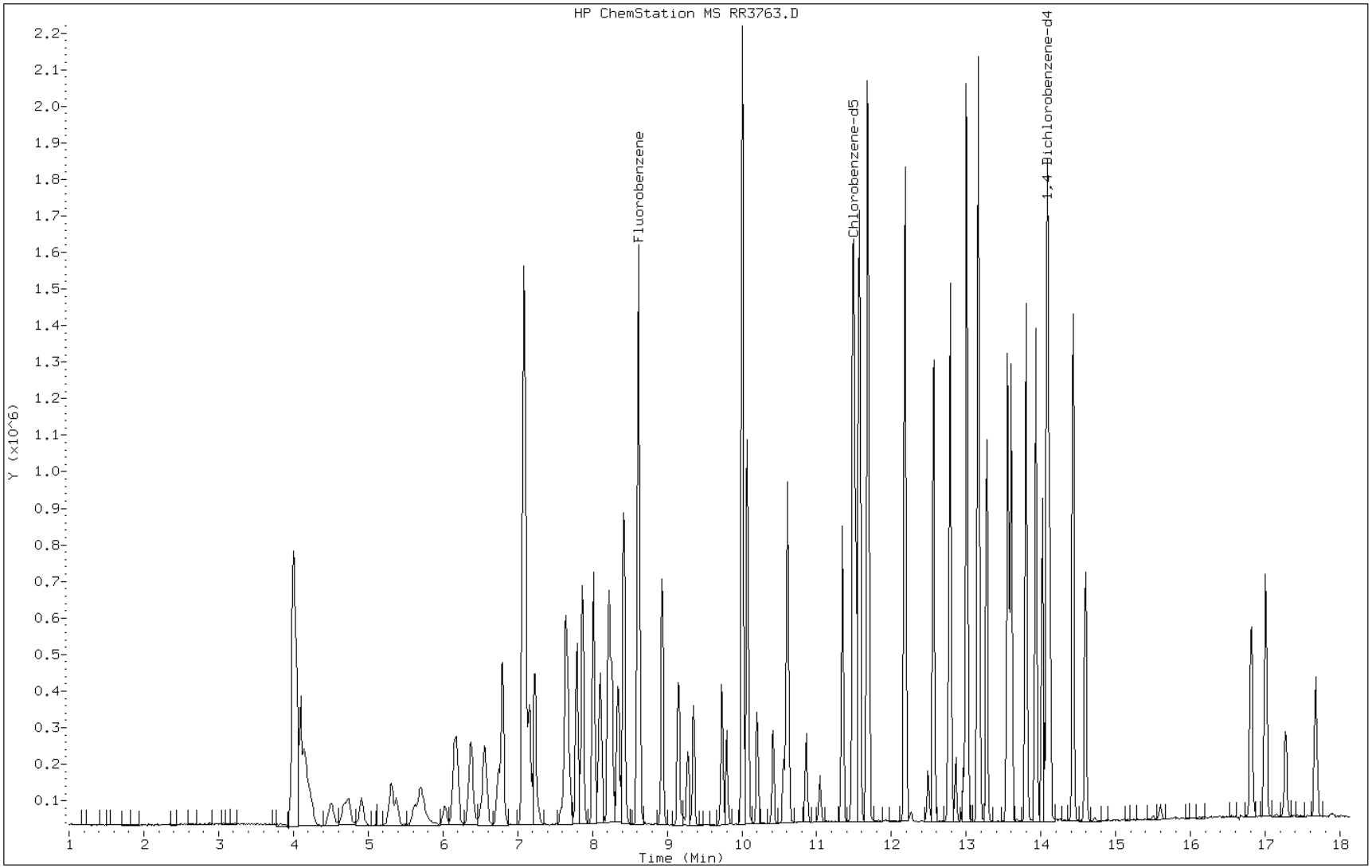
Date: 26-MAR-2012 08:45

Client ID:

Instrument: R2.i

Sample Info: IC,,M5.0 2.5uL

Operator: DOBRANSKYM



Manual Integration Report

Data File: RR3763.D
Inj. Date and Time: 26-MAR-2012 08:45
Instrument ID: R2.i
Client ID:
Compound: 15 Trichlorofluoromethane
CAS #:
Report Date: 03/27/2012

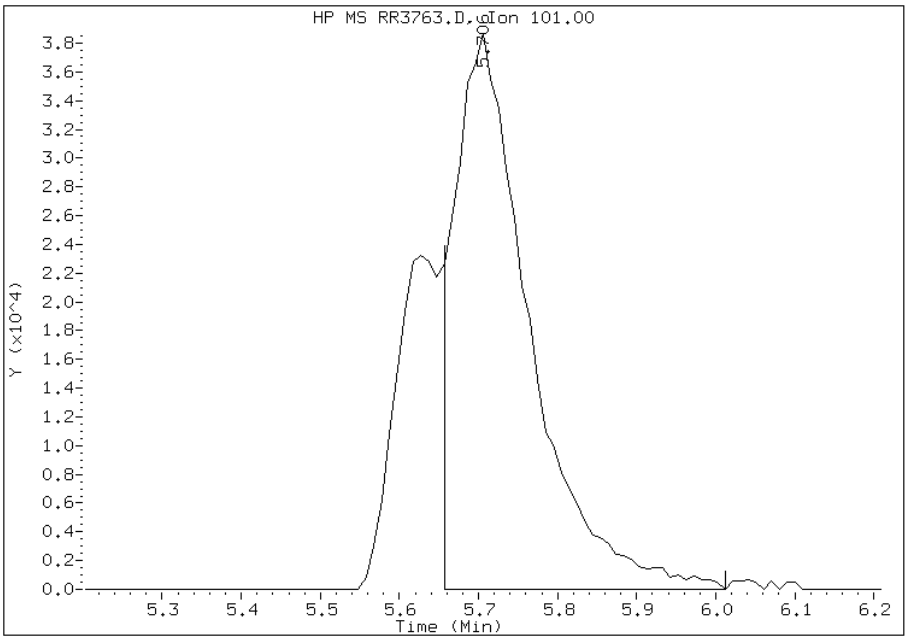
Processing Integration Results

RT: 5.71

Response: 261967

Amount: 4

Conc: 4



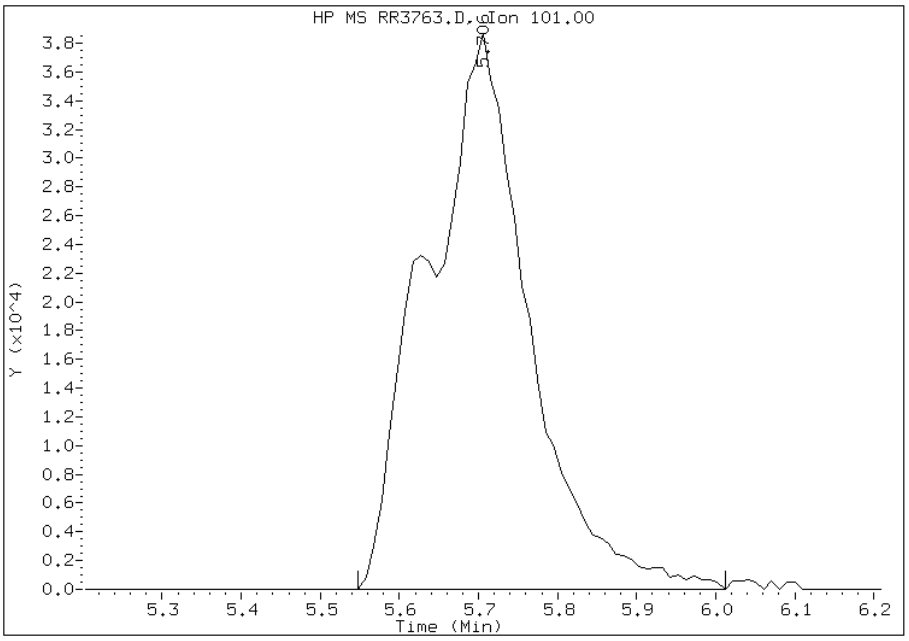
Manual Integration Results

RT: 5.71

Response: 348443

Amount: 5

Conc: 5



Manually Integrated By: dobranskym
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: RR3763.D
Inj. Date and Time: 26-MAR-2012 08:45
Instrument ID: R2.i
Client ID:
Compound: 28 Acetonitrile
CAS #: 75-05-8
Report Date: 03/27/2012

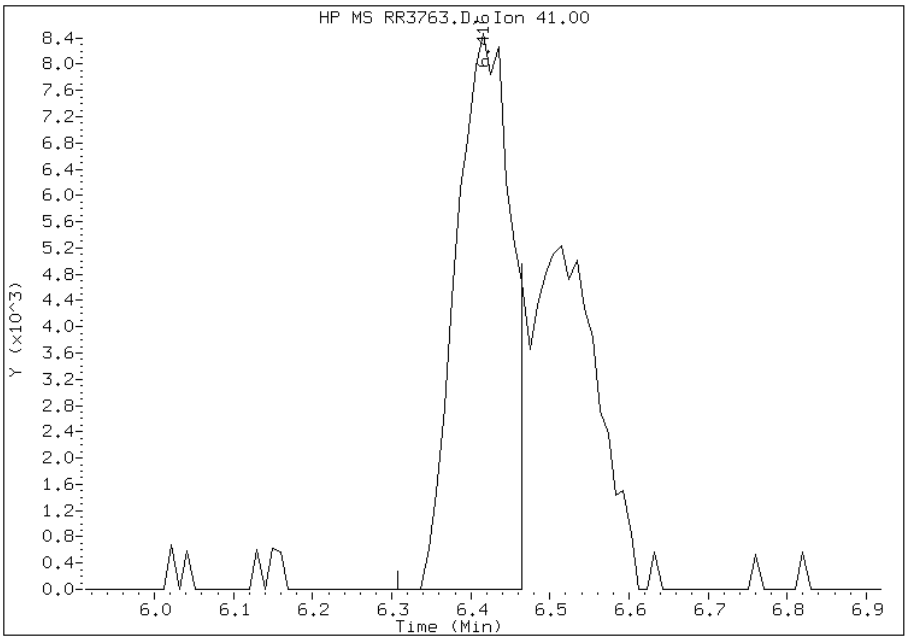
Processing Integration Results

RT: 6.42

Response: 41956

Amount: 29

Conc: 29



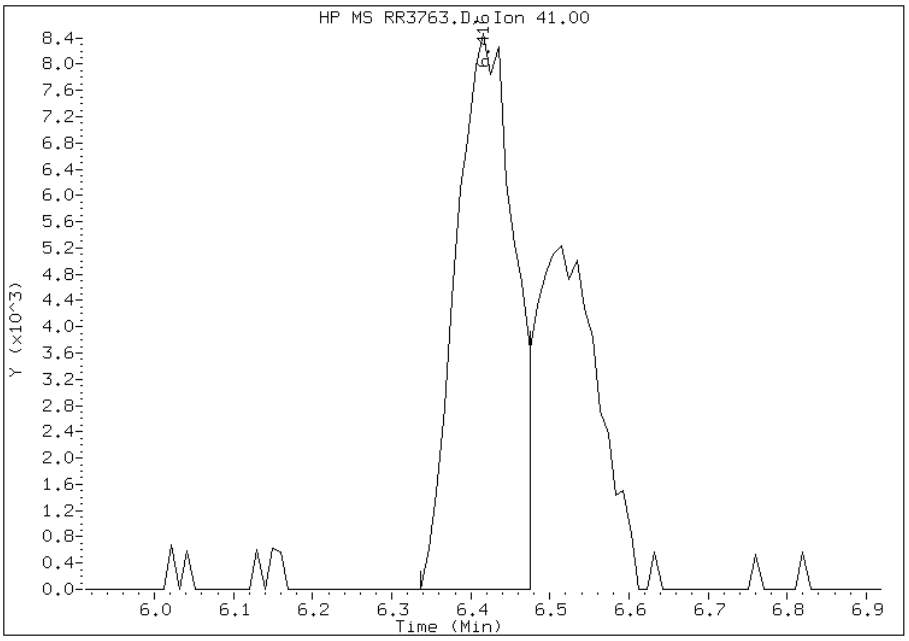
Manual Integration Results

RT: 6.42

Response: 44108

Amount: 49

Conc: 49



Manually Integrated By: seifertj
Manual Integration Reason: Mis-Integrated

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3764.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 09:09
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M10 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\8260B-H2O.m
Meth Date : 27-Mar-2012 17:14 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 08:43 Cal File: RR3341.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC251

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	62 Fluorobenzene	96	8.617	8.617	(1.000)	1684961	12.5000	
*	88 Chlorobenzene-d5	119	11.486	11.486	(1.000)	389020	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.088	14.088	(1.000)	629369	12.5000	(Q)
M	2 1,2-Dichloroethene (total)	96				913993	20.0000	19.2836
M	1 Trihalomethanes (total)	100				1712120	40.0000	37.7137
M	4 1,3-Dichloropropene (total)	100				873834	20.0000	18.5460
M	3 Xylene (total)	106				2116629	30.0000	29.3481
	7 dichlorodifluoromethane	85	4.506	4.506	(0.523)	443561	10.0000	9.87861
	8 1,2-Dichlorotetrafluoroethane	85	4.674	4.674	(0.542)	224570	10.0000	10.0872
	9 Chloromethane	50	4.743	4.743	(0.550)	269804	10.0000	9.51454
	10 Vinyl Chloride	62	4.911	4.911	(0.570)	340300	10.0000	9.54654
	12 Bromomethane	94	5.315	5.315	(0.617)	320865	10.0000	9.99757
	13 Chloroethane	64	5.374	5.374	(0.624)	211151	10.0000	9.48363
	15 Trichlorofluoromethane	101	5.709	5.709	(0.663)	540947	10.0000	8.02631
	16 Ethanol	45	5.709	5.709	(0.663)	47078	500.000	476.396
	22 Acrolein	56	6.024	6.024	(0.699)	177570	100.000	97.3928
	24 Acetone	43	6.143	6.143	(0.713)	114293	40.0000	39.0406
	25 1,1-Dichloroethene	96	6.182	6.182	(0.717)	436446	10.0000	9.66561
	26 Iodomethane	142	6.370	6.370	(0.739)	957000	10.0000	9.79238
	28 Acetonitrile	41	6.419	6.419	(0.745)	79011	100.000	90.5938(M)
	31 tert-Butyl alcohol	59	6.508	6.508	(0.755)	192568	200.000	186.281
	32 Methylene Chloride	84	6.557	6.557	(0.761)	380486	10.0000	9.35035

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
33 Acrylonitrile	53	6.744	6.744	(0.783)	330134	100.000	95.8016
35 trans-1,2-Dichloroethene	96	6.793	6.793	(0.788)	470582	10.0000	9.65405
38 Isopropyl ether	87	7.089	7.089	(0.823)	1176707	50.0000	48.4197
39 1,1-Dichloroethane	63	7.158	7.158	(0.831)	787320	10.0000	9.76097
40 Chloroprene	53	7.227	7.227	(0.839)	647234	10.0000	9.66213
43 2-Butanone	43	7.582	7.582	(0.880)	156045	40.0000	35.5042
45 cis-1,2-Dichloroethene	96	7.641	7.641	(0.887)	443411	10.0000	9.62959
46 Propionitrile	54	7.661	7.661	(0.889)	124019	100.000	99.4358
47 2,2-Dichloropropane	77	7.671	7.671	(0.890)	665811	10.0000	9.54393
48 Methacrylonitrile	41	7.789	7.789	(0.904)	614322	100.000	97.3814
49 Bromochloromethane	128	7.868	7.868	(0.913)	197627	10.0000	9.63358
50 Chloroform	83	7.868	7.868	(0.913)	782815	10.0000	9.26688
54 1,1,1-Trichloroethane	97	8.104	8.104	(0.941)	707970	10.0000	9.70942
53 Isobutanol	41	8.085	8.085	(0.938)	51437	200.000	196.165
56 1,1-Dichloropropene	75	8.213	8.213	(0.953)	704167	10.0000	9.69107
57 Carbon Tetrachloride	117	8.262	8.262	(0.959)	697339	10.0000	9.76332
60 1,2-Dichloroethane	62	8.410	8.410	(0.976)	348763	10.0000	9.92630
61 Benzene	78	8.420	8.420	(0.977)	1604859	10.0000	10.1932
63 n-Butanol	56	8.647	8.647	(1.003)	83208	300.000	281.499
64 Trichloroethene	95	8.933	8.933	(1.037)	480936	10.0000	9.72248
68 1,2-Dichloropropane	63	9.149	9.149	(1.062)	335730	10.0000	9.61404
69 1,4-Dioxane	88	9.209	9.209	(1.069)	56455	500.000	467.666
70 Dibromomethane	93	9.278	9.278	(1.077)	159484	10.0000	9.51972
71 Bromodichloromethane	83	9.356	9.356	(1.086)	464345	10.0000	9.34292
74 cis-1,3-Dichloropropene	75	9.731	9.731	(1.129)	496403	10.0000	8.98668
75 4-Methyl-2-pentanone	43	9.800	9.800	(1.137)	362353	40.0000	37.0154
77 Toluene	91	10.076	10.076	(1.169)	1634421	10.0000	9.71511
79 trans-1,3-Dichloropropene	75	10.204	10.204	(1.184)	377431	10.0000	9.55932
80 1,1,2-Trichloroethane	97	10.421	10.421	(1.209)	177800	10.0000	9.44746
81 2-Hexanone	43	10.559	10.559	(0.919)	256459	40.0000	37.3446
82 1,3-Dichloropropane	76	10.598	10.598	(0.923)	329223	10.0000	9.22008
83 Tetrachloroethene	164	10.618	10.618	(0.924)	460546	10.0000	9.61886
84 Dibromochloromethane	129	10.865	10.865	(0.946)	309403	10.0000	9.29451
86 1,2-Dibromoethane	107	11.042	11.042	(0.961)	199297	10.0000	9.45870
87 1-Chlorohexane	91	11.348	11.348	(0.988)	684978	10.0000	9.50099
89 Chlorobenzene	112	11.525	11.525	(1.003)	1071424	10.0000	9.15951
90 1,1,1,2-Tetrachloroethane	131	11.574	11.574	(1.008)	387991	10.0000	9.40347
91 Ethylbenzene	106	11.574	11.574	(1.008)	582848	10.0000	9.52976
92 m and p-Xylene	106	11.683	11.683	(1.017)	1451746	20.0000	19.5005
93 o-Xylene	106	12.186	12.186	(1.061)	664883	10.0000	9.84762
94 Styrene	104	12.186	12.186	(1.061)	1046868	10.0000	9.88282
95 Bromoform	173	12.491	12.491	(1.088)	155557	10.0000	9.80944
96 isopropyl benzene	105	12.570	12.570	(0.892)	1965142	10.0000	9.37389
98 Cyclohexanone	55	12.757	12.757	(1.111)	181960	400.000	384.246
100 1,1,2,2-Tetrachloroethane	83	12.866	12.866	(0.913)	192866	10.0000	8.83211
102 1,2,3-Trichloropropane	110	12.964	12.964	(0.920)	50524	10.0000	9.39264
103 Bromobenzene	156	13.014	13.014	(0.924)	470285	10.0000	9.29516
104 n-Propylbenzene	120	13.004	13.004	(0.923)	557545	10.0000	9.30785
106 2-Chlorotoluene	126	13.171	13.171	(0.935)	499547	10.0000	9.54103
105 1,3,5-Trimethylbenzene	105	13.161	13.161	(0.934)	1587602	10.0000	9.51936
107 4-Chlorotoluene	126	13.280	13.280	(0.943)	499398	10.0000	9.57328
108 tert-Butylbenzene	119	13.556	13.556	(0.962)	1567014	10.0000	9.59534
109 1,2,4-Trimethylbenzene	105	13.605	13.605	(0.966)	1592052	10.0000	9.61659
110 sec-Butylbenzene	134	13.802	13.802	(0.980)	489793	10.0000	9.47959

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
111 4-Isopropyltoluene	119	13.930	13.930	(0.989)	1947749	10.0000	9.49763
112 1,3-Dichlorobenzene	146	14.019	14.019	(0.995)	979898	10.0000	9.48036
114 1,4-dichlorobenzene	146	14.118	14.118	(1.002)	950617	10.0000	9.20364
116 n-Butylbenzene	91	14.433	14.433	(1.024)	1845545	10.0000	9.63135
117 1,2-Dichlorobenzene	146	14.601	14.601	(1.036)	780795	10.0000	9.53713
118 1,2-Dibromo-3-chloropropane	157	15.596	15.596	(1.107)	37910	10.0000	9.80258
120 1,2,4-Trichlorobenzene	180	16.819	16.819	(1.194)	522645	10.0000	9.71214
121 Hexachlorobutadiene	225	17.006	17.006	(1.207)	414989	10.0000	10.6678
122 Naphthalene	128	17.272	17.272	(1.226)	619326	10.0000	9.62914
123 1,2,3-Trichlorobenzene	180	17.676	17.676	(1.255)	398246	10.0000	9.62838

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: RR3764.D

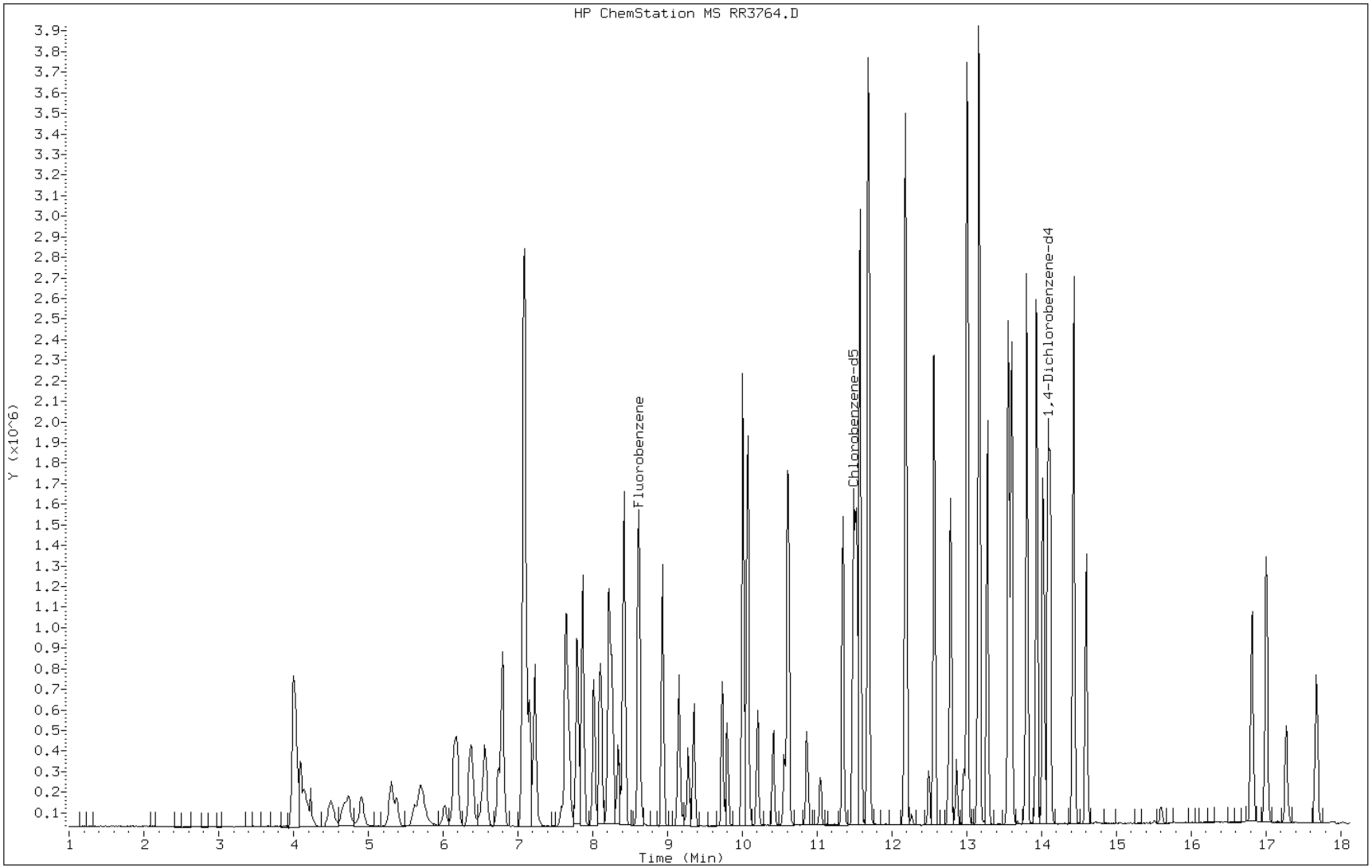
Date: 26-MAR-2012 09:09

Client ID:

Instrument: R2.i

Sample Info: IC,,M10 5uL

Operator: DOBRANSKYM



Manual Integration Report

Data File: RR3764.D
Inj. Date and Time: 26-MAR-2012 09:09
Instrument ID: R2.i
Client ID:
Compound: 28 Acetonitrile
CAS #: 75-05-8
Report Date: 03/27/2012

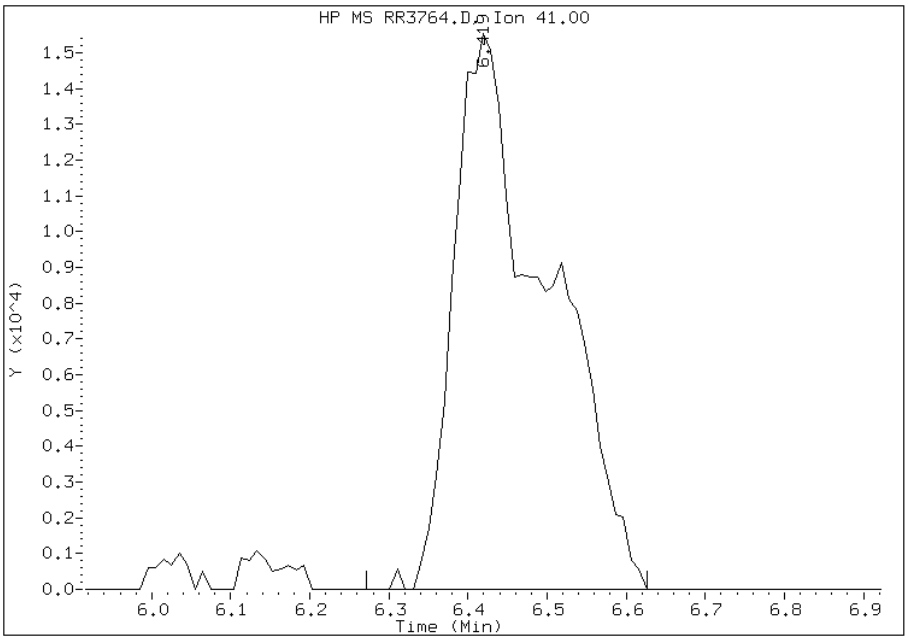
Processing Integration Results

RT: 6.42

Response: 128542

Amount: 112

Conc: 112



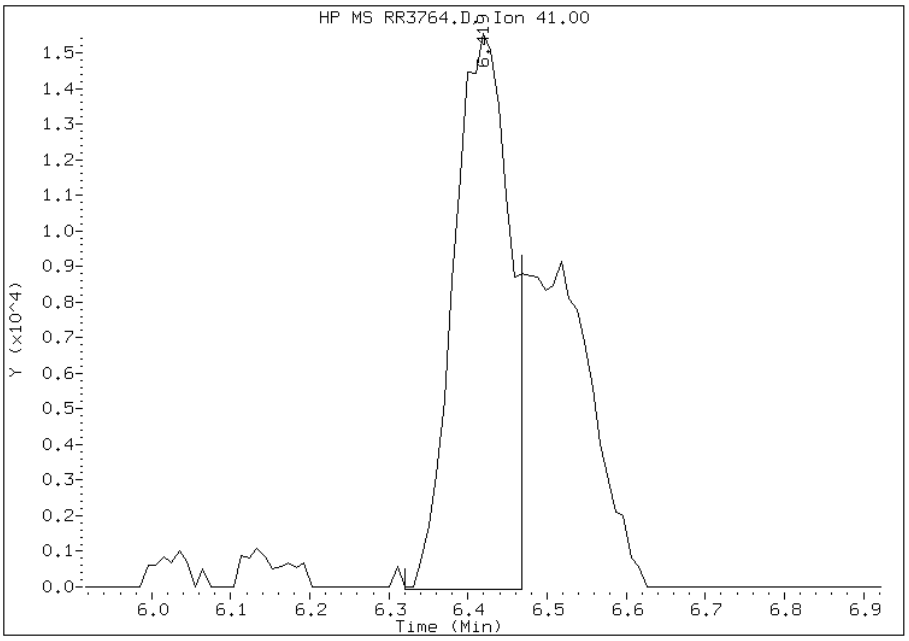
Manual Integration Results

RT: 6.42

Response: 79011

Amount: 91

Conc: 91



Manually Integrated By: seifertj
Manual Integration Reason: Mis-Integrated

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3765.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 09:32
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M30 15uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\8260B-H2O.m
Meth Date : 27-Mar-2012 17:07 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 07:57 Cal File: RR3339.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC251

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.612	8.612	(1.000)	1582548	12.5000	
*	88 Chlorobenzene-d5	119	11.491	11.491	(1.000)	367514	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.083	14.083	(1.000)	578583	12.5000	
M	2 1,2-Dichloroethene (total)	96				2586349	60.0000	58.1232
M	1 Trihalomethanes (total)	100				4987760	120.000	118.636
M	4 1,3-Dichloropropene (total)	100				2588533	60.0000	58.4786
M	3 Xylene (total)	106				5771070	90.0000	84.7209
	7 dichlorodifluoromethane	85	4.502	4.502	(0.523)	1260040	30.0000	29.8786
	8 1,2-Dichlorotetrafluoroethane	85	4.669	4.669	(0.542)	636561	30.0000	30.4434
	9 Chloromethane	50	4.748	4.748	(0.551)	781462	30.0000	29.3414
	10 Vinyl Chloride	62	4.916	4.916	(0.571)	950009	30.0000	28.3756
	12 Bromomethane	94	5.320	5.320	(0.618)	837724	30.0000	27.7911
	13 Chloroethane	64	5.389	5.389	(0.626)	589230	30.0000	28.1773
	15 Trichlorofluoromethane	101	5.704	5.704	(0.662)	1874038	30.0000	29.6055(M)
	16 Ethanol	45	5.714	5.714	(0.663)	133744	1500.00	1440.98
	22 Acrolein	56	6.030	6.030	(0.700)	506830	300.000	295.973
	24 Acetone	43	6.138	6.138	(0.713)	330225	120.000	127.441
	25 1,1-Dichloroethene	96	6.187	6.187	(0.718)	1198744	30.0000	28.2656
	26 Iodomethane	142	6.375	6.375	(0.740)	2661605	30.0000	28.9970
	28 Acetonitrile	41	6.424	6.424	(0.746)	247889	300.000	302.622(M)
	31 tert-Butyl alcohol	59	6.522	6.522	(0.757)	594997	600.000	612.819
	32 Methylene Chloride	84	6.562	6.562	(0.762)	1063144	30.0000	27.8172

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
33	Acrylonitrile	53	6.739	6.739	(0.783)	957256	300.000	295.763
35	trans-1,2-Dichloroethene	96	6.798	6.798	(0.789)	1312484	30.0000	28.6682
38	Isopropyl ether	87	7.084	7.084	(0.823)	3253041	150.000	142.520
39	1,1-Dichloroethane	63	7.163	7.163	(0.832)	2221120	30.0000	29.3188
40	Chloroprene	53	7.232	7.232	(0.840)	1822691	30.0000	28.9706
43	2-Butanone	43	7.587	7.587	(0.881)	487933	120.000	118.201
45	cis-1,2-Dichloroethene	96	7.636	7.636	(0.887)	1273865	30.0000	29.4549
46	Propionitrile	54	7.666	7.666	(0.890)	366218	300.000	312.628
47	2,2-Dichloropropane	77	7.666	7.666	(0.890)	1855617	30.0000	28.3203
48	Methacrylonitrile	41	7.794	7.794	(0.905)	1779800	300.000	300.389
49	Bromochloromethane	128	7.863	7.863	(0.913)	560828	30.0000	29.1074
50	Chloroform	83	7.873	7.873	(0.914)	2209298	30.0000	27.8459
54	1,1,1-Trichloroethane	97	8.110	8.110	(0.942)	1979376	30.0000	28.9028
53	Isobutanol	41	8.090	8.090	(0.939)	157164	600.000	638.164
56	1,1-Dichloropropene	75	8.218	8.218	(0.954)	1944609	30.0000	28.4945
57	Carbon Tetrachloride	117	8.257	8.257	(0.959)	1954064	30.0000	29.1290
60	1,2-Dichloroethane	62	8.405	8.405	(0.976)	1003696	30.0000	30.4153
61	Benzene	78	8.425	8.425	(0.978)	4519056	30.0000	31.7448
63	n-Butanol	56	8.642	8.642	(1.003)	239985	900.000	937.251
64	Trichloroethene	95	8.938	8.938	(1.038)	1345275	30.0000	28.9557
68	1,2-Dichloropropane	63	9.154	9.154	(1.063)	966758	30.0000	29.4759
69	1,4-Dioxane	88	9.214	9.214	(1.070)	181908	1500.00	1604.42
70	Dibromomethane	93	9.273	9.273	(1.077)	463192	30.0000	29.4375
71	Bromodichloromethane	83	9.352	9.352	(1.086)	1367305	30.0000	29.2914
74	cis-1,3-Dichloropropene	75	9.736	9.736	(1.130)	1472418	30.0000	28.3811
75	4-Methyl-2-pentanone	43	9.795	9.795	(1.137)	1129430	120.000	122.841
77	Toluene	91	10.071	10.071	(1.169)	4494720	30.0000	28.4459
79	trans-1,3-Dichloropropene	75	10.209	10.209	(1.185)	1116115	30.0000	30.0976
80	1,1,2-Trichloroethane	97	10.416	10.416	(1.209)	531249	30.0000	30.0548
81	2-Hexanone	43	10.564	10.564	(0.919)	802821	120.000	123.745
82	1,3-Dichloropropane	76	10.604	10.604	(0.923)	944303	30.0000	27.9933
83	Tetrachloroethene	164	10.613	10.613	(0.924)	1275234	30.0000	28.1928
84	Dibromochloromethane	129	10.870	10.870	(0.946)	935458	30.0000	29.7457
86	1,2-Dibromoethane	107	11.047	11.047	(0.961)	600894	30.0000	30.1875
87	1-Chlorohexane	91	11.353	11.353	(0.988)	1959108	30.0000	28.7640
89	Chlorobenzene	112	11.530	11.530	(1.003)	3038277	30.0000	27.4939
90	1,1,1,2-Tetrachloroethane	131	11.579	11.579	(1.008)	1111901	30.0000	28.5253
91	Ethylbenzene	106	11.570	11.570	(1.007)	1637170	30.0000	28.3347
92	m and p-Xylene	106	11.688	11.688	(1.017)	3944797	60.0000	56.0890
93	o-Xylene	106	12.181	12.181	(1.060)	1826273	30.0000	28.6319
94	Styrene	104	12.191	12.191	(1.061)	2938099	30.0000	29.3598
95	Bromoform	173	12.496	12.496	(1.087)	475699	30.0000	31.7530
96	isopropyl benzene	105	12.565	12.565	(0.892)	5389101	30.0000	27.9629
98	Cyclohexanone	55	12.762	12.762	(1.111)	544448	1200.00	1216.99
100	1,1,2,2-Tetrachloroethane	83	12.861	12.861	(0.913)	572400	30.0000	28.5134
102	1,2,3-Trichloropropane	110	12.960	12.960	(0.920)	147478	30.0000	29.8234
103	Bromobenzene	156	13.009	13.009	(0.924)	1335864	30.0000	28.7209
104	n-Propylbenzene	120	13.009	13.009	(0.924)	1541977	30.0000	28.0019
106	2-Chlorotoluene	126	13.176	13.176	(0.936)	1361867	30.0000	28.2939
105	1,3,5-Trimethylbenzene	105	13.157	13.157	(0.934)	4304072	30.0000	28.0728
107	4-Chlorotoluene	126	13.275	13.275	(0.943)	1379667	30.0000	28.7692
108	tert-Butylbenzene	119	13.561	13.561	(0.963)	4210755	30.0000	28.0470
109	1,2,4-Trimethylbenzene	105	13.600	13.600	(0.966)	4309527	30.0000	28.3161
110	sec-Butylbenzene	134	13.807	13.807	(0.980)	1351547	30.0000	28.4543

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
111 4-Isopropyltoluene	119	13.935	13.935	(0.990)	5356962	30.0000	28.4145
112 1,3-Dichlorobenzene	146	14.024	14.024	(0.996)	2724340	30.0000	28.6711
114 1,4-dichlorobenzene	146	14.123	14.123	(1.003)	2634402	30.0000	27.7444
116 n-Butylbenzene	91	14.428	14.428	(1.024)	5062810	30.0000	28.7405
117 1,2-Dichlorobenzene	146	14.596	14.596	(1.036)	2192495	30.0000	29.1312
118 1,2-Dibromo-3-chloropropane	157	15.601	15.601	(1.108)	111330	30.0000	31.3140
120 1,2,4-Trichlorobenzene	180	16.814	16.814	(1.194)	1453446	30.0000	29.3796
121 Hexachlorobutadiene	225	17.011	17.011	(1.208)	1118185	30.0000	33.1674
122 Naphthalene	128	17.277	17.277	(1.227)	1760575	30.0000	29.7757
123 1,2,3-Trichlorobenzene	180	17.681	17.681	(1.255)	1111448	30.0000	29.2301

QC Flag Legend

M - Compound response manually integrated.

Data File: RR3765.D

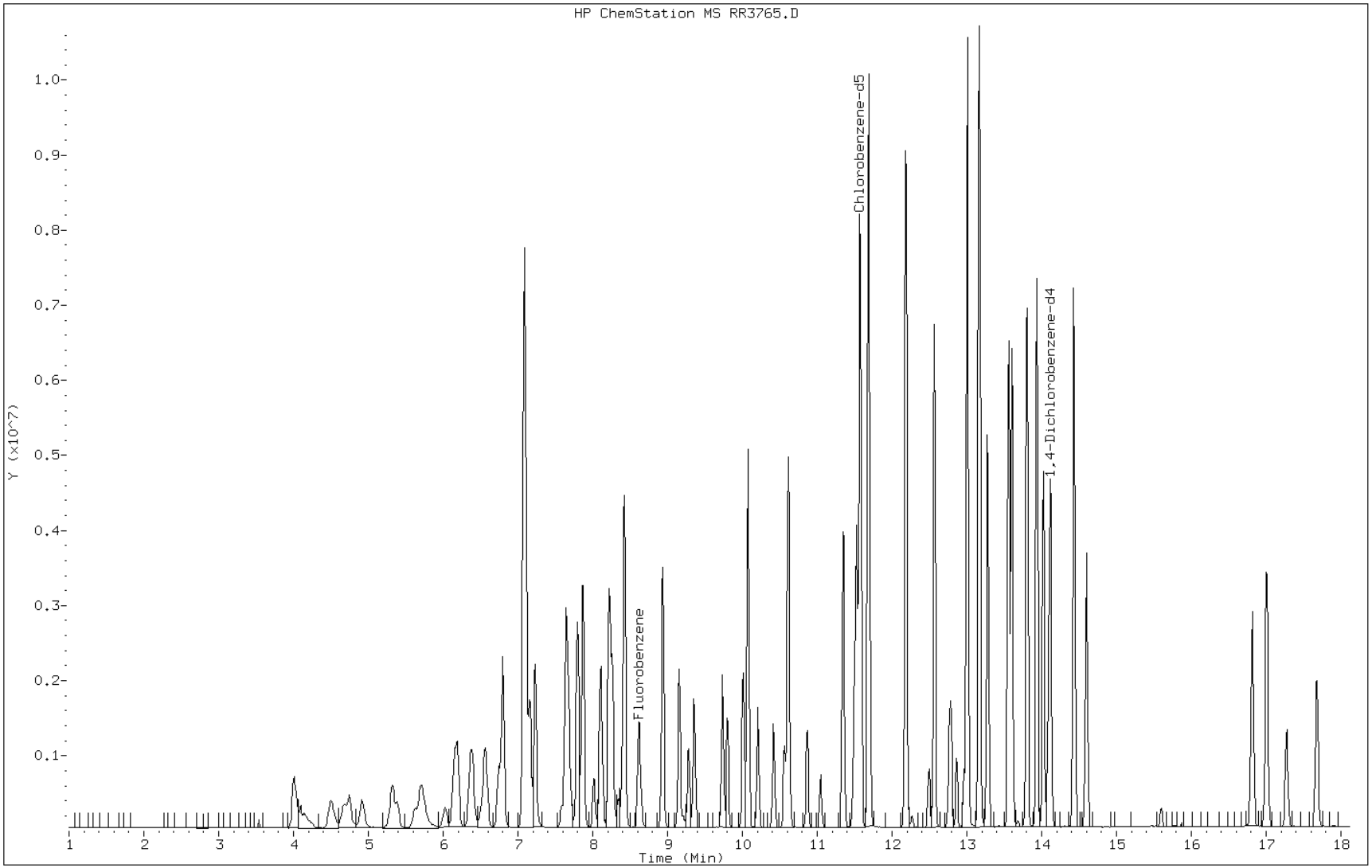
Date: 26-MAR-2012 09:32

Client ID:

Instrument: R2.i

Sample Info: IC,,M30 15uL

Operator: DOBRANSKYM



Manual Integration Report

Data File: RR3765.D
Inj. Date and Time: 26-MAR-2012 09:32
Instrument ID: R2.i
Client ID:
Compound: 15 Trichlorofluoromethane
CAS #:
Report Date: 03/27/2012

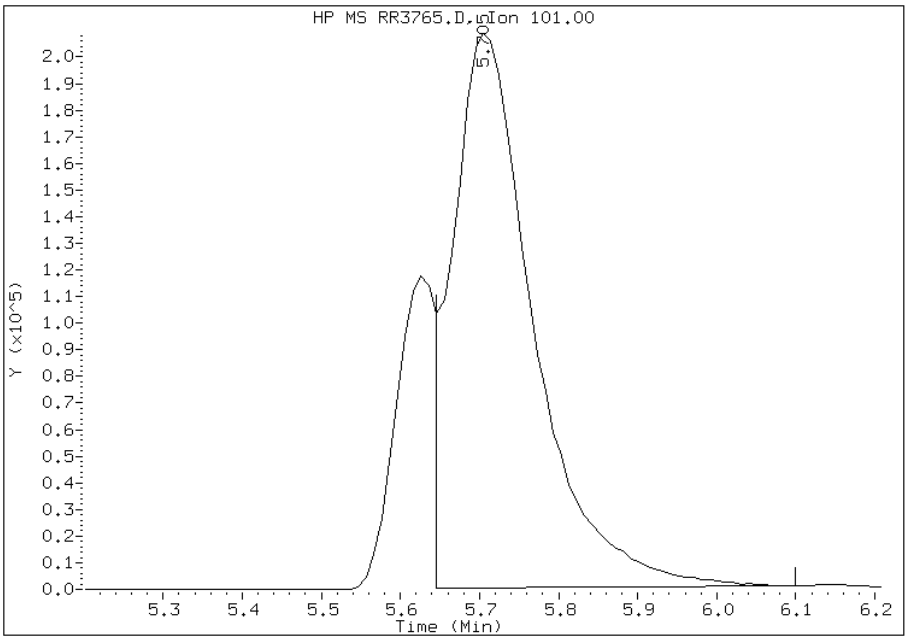
Processing Integration Results

RT: 5.70

Response: 1517835

Amount: 28

Conc: 28



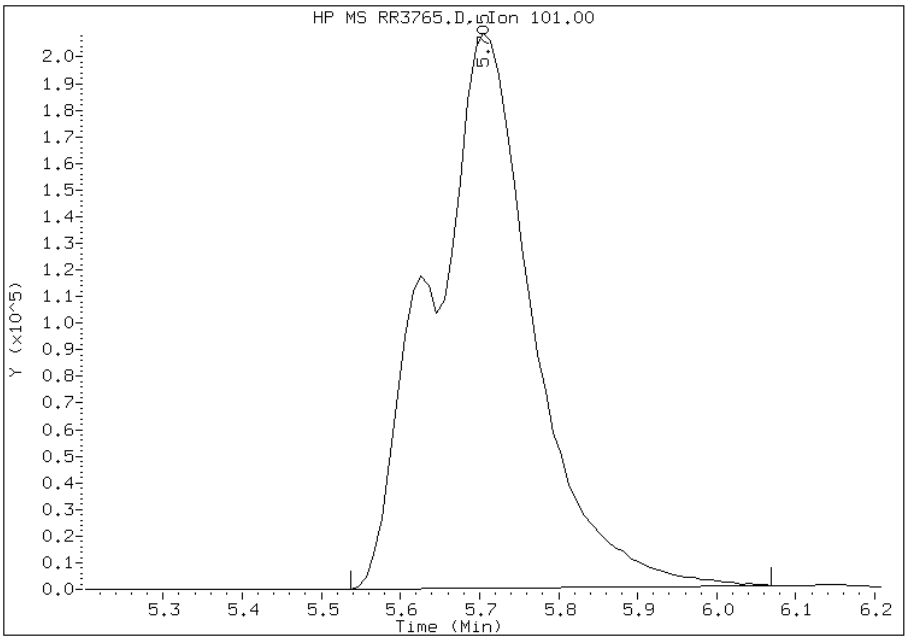
Manual Integration Results

RT: 5.70

Response: 1874038

Amount: 30

Conc: 30



Manually Integrated By: dobranskym
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: RR3765.D
Inj. Date and Time: 26-MAR-2012 09:32
Instrument ID: R2.i
Client ID:
Compound: 28 Acetonitrile
CAS #: 75-05-8
Report Date: 03/27/2012

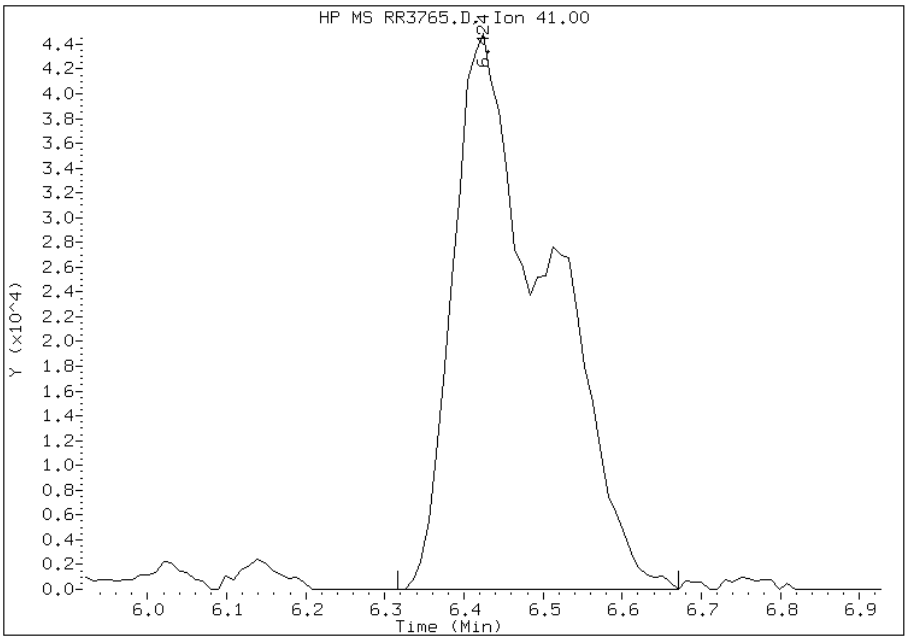
Processing Integration Results

RT: 6.42

Response: 379323

Amount: 281

Conc: 281



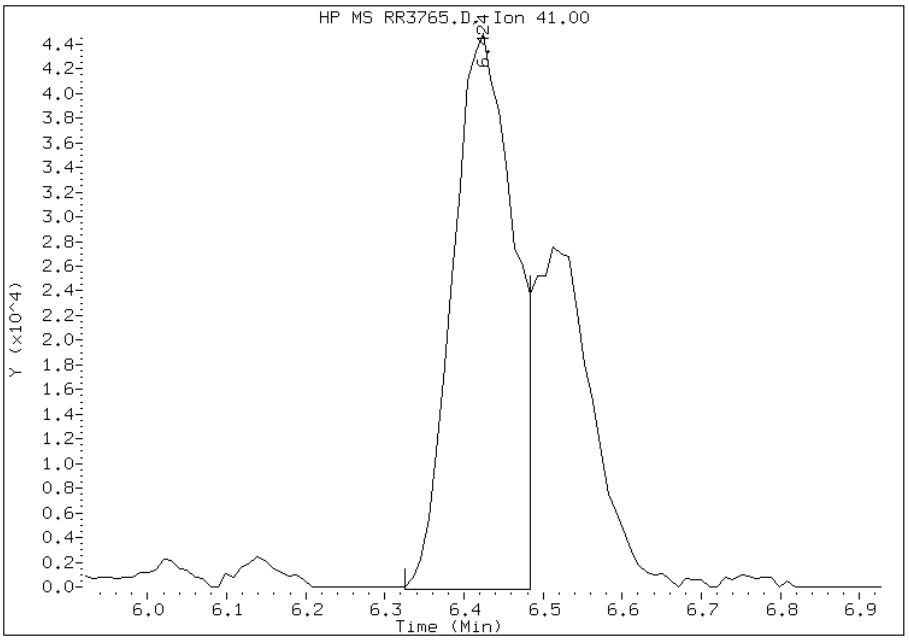
Manual Integration Results

RT: 6.42

Response: 247889

Amount: 303

Conc: 303



Manually Integrated By: seifertj
Manual Integration Reason: Mis-Integrated

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3766.D
Lab Smp Id: IC
Inj Date : 26-MAR-2012 09:56
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M60 30uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\8260B-H2O.m
Meth Date : 27-Mar-2012 17:08 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 08:43 Cal File: RR3341.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC251

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.618	8.618	(1.000)	1690695	12.5000	
*	88 Chlorobenzene-d5	119	11.487	11.487	(1.000)	381818	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.089	14.089	(1.000)	582924	12.5000	
M	2 1,2-Dichloroethene (total)	96				5157506	120.000	108.450
M	1 Trihalomethanes (total)	100				10024468	240.000	225.430
M	4 1,3-Dichloropropene (total)	100				5226647	120.000	110.460
M	3 Xylene (total)	106				10692808	180.000	151.106
	7 dichlorodifluoromethane	85	4.508	4.508	(0.523)	2425143	60.0000	53.8275
	8 1,2-Dichlorotetrafluoroethane	85	4.685	4.685	(0.544)	1294625	60.0000	57.9548
	9 Chloromethane	50	4.764	4.764	(0.553)	1570031	60.0000	55.1788
	10 Vinyl Chloride	62	4.932	4.932	(0.572)	1939026	60.0000	54.2116
	12 Bromomethane	94	5.326	5.326	(0.618)	1652924	60.0000	51.3274
	13 Chloroethane	64	5.395	5.395	(0.626)	1174848	60.0000	52.5881
	15 Trichlorofluoromethane	101	5.720	5.720	(0.664)	3555629	60.0000	52.5778(M)
	16 Ethanol	45	5.730	5.730	(0.665)	260579	3000.00	2627.93
	22 Acrolein	56	6.036	6.036	(0.700)	1016499	600.000	555.634
	24 Acetone	43	6.144	6.144	(0.713)	645849	240.000	236.241
	25 1,1-Dichloroethene	96	6.193	6.193	(0.719)	2458553	60.0000	54.2629
	26 Iodomethane	142	6.381	6.381	(0.740)	5509709	60.0000	56.1862
	28 Acetonitrile	41	6.430	6.430	(0.746)	522713	600.000	597.309(M)
	31 tert-Butyl alcohol	59	6.529	6.529	(0.758)	1202041	1200.00	1158.85
	32 Methylene Chloride	84	6.568	6.568	(0.762)	2163637	60.0000	52.9905

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
33	Acrylonitrile	53	6.745	6.745	(0.783)	1970019	600.000	569.741
35	trans-1,2-Dichloroethene	96	6.805	6.805	(0.790)	2651472	60.0000	54.2108
38	Isopropyl ether	87	7.090	7.090	(0.823)	6326519	300.000	259.444
39	1,1-Dichloroethane	63	7.159	7.159	(0.831)	4443264	60.0000	54.8995
40	Chloroprene	53	7.228	7.228	(0.839)	3715284	60.0000	55.2749
43	2-Butanone	43	7.583	7.583	(0.880)	972876	240.000	220.603
45	cis-1,2-Dichloroethene	96	7.643	7.643	(0.887)	2506034	60.0000	54.2392
46	Propionitrile	54	7.662	7.662	(0.889)	692986	600.000	553.737
47	2,2-Dichloropropane	77	7.672	7.672	(0.890)	3675560	60.0000	52.5079
48	Methacrylonitrile	41	7.800	7.800	(0.905)	3595875	600.000	568.079
49	Bromochloromethane	128	7.869	7.869	(0.913)	1128641	60.0000	54.8304
50	Chloroform	83	7.869	7.869	(0.913)	4469427	60.0000	52.7292
54	1,1,1-Trichloroethane	97	8.106	8.106	(0.941)	4079611	60.0000	55.7599
53	Isobutanol	41	8.086	8.086	(0.938)	302656	1200.00	1150.32
56	1,1-Dichloropropene	75	8.224	8.224	(0.954)	3903352	60.0000	53.5375
57	Carbon Tetrachloride	117	8.264	8.264	(0.959)	3946919	60.0000	55.0727
60	1,2-Dichloroethane	62	8.411	8.411	(0.976)	2011425	60.0000	57.0539
61	Benzene	78	8.431	8.431	(0.978)	8901375	60.0000	59.0294
63	n-Butanol	56	8.648	8.648	(1.003)	479550	1800.00	1783.67(A)
64	Trichloroethene	95	8.934	8.934	(1.037)	2692239	60.0000	54.2410
68	1,2-Dichloropropane	63	9.151	9.151	(1.062)	1928768	60.0000	55.0453
69	1,4-Dioxane	88	9.210	9.210	(1.069)	359411	3000.00	2967.22
70	Dibromomethane	93	9.279	9.279	(1.077)	932605	60.0000	55.4791
71	Bromodichloromethane	83	9.358	9.358	(1.086)	2740152	60.0000	54.9466
74	cis-1,3-Dichloropropene	75	9.732	9.732	(1.129)	2981930	60.0000	53.8006
75	4-Methyl-2-pentanone	43	9.801	9.801	(1.137)	2195742	240.000	223.540
77	Toluene	91	10.077	10.077	(1.169)	8900615	60.0000	52.7264
79	trans-1,3-Dichloropropene	75	10.206	10.206	(1.184)	2244717	60.0000	56.6599
80	1,1,2-Trichloroethane	97	10.422	10.422	(1.209)	1050887	60.0000	55.6498
81	2-Hexanone	43	10.560	10.560	(0.919)	1531762	240.000	227.257
82	1,3-Dichloropropane	76	10.600	10.600	(0.923)	1830815	60.0000	52.2402
83	Tetrachloroethene	164	10.620	10.620	(0.924)	2527382	60.0000	53.7820
84	Dibromochloromethane	129	10.866	10.866	(0.946)	1875637	60.0000	57.4072
86	1,2-Dibromoethane	107	11.043	11.043	(0.961)	1173905	60.0000	56.7648
87	1-Chlorohexane	91	11.349	11.349	(0.988)	3671799	60.0000	51.8904
89	Chlorobenzene	112	11.526	11.526	(1.003)	5764239	60.0000	50.2075
90	1,1,1,2-Tetrachloroethane	131	11.576	11.576	(1.008)	2147577	60.0000	53.0311
91	Ethylbenzene	106	11.576	11.576	(1.008)	3015951	60.0000	50.2420
92	m and p-Xylene	106	11.684	11.684	(1.017)	7299378	120.000	99.8980
93	o-Xylene	106	12.187	12.187	(1.061)	3393430	60.0000	51.2083
94	Styrene	104	12.187	12.187	(1.061)	5427148	60.0000	52.2007
95	Bromoform	173	12.493	12.493	(1.088)	939252	60.0000	60.3465(A)
96	isopropyl benzene	105	12.562	12.562	(0.892)	10142095	60.0000	52.2333
98	Cyclohexanone	55	12.759	12.759	(1.111)	1071452	2400.00	2305.27
100	1,1,2,2-Tetrachloroethane	83	12.867	12.867	(0.913)	1132650	60.0000	56.0013
102	1,2,3-Trichloropropane	110	12.966	12.966	(0.920)	290706	60.0000	58.3495
103	Bromobenzene	156	13.015	13.015	(0.924)	2527707	60.0000	53.9406
104	n-Propylbenzene	120	13.005	13.005	(0.923)	2836807	60.0000	51.1320
106	2-Chlorotoluene	126	13.173	13.173	(0.935)	2460389	60.0000	50.7360
105	1,3,5-Trimethylbenzene	105	13.163	13.163	(0.934)	7716888	60.0000	49.9576
107	4-Chlorotoluene	126	13.281	13.281	(0.943)	2588738	60.0000	53.5791
108	tert-Butylbenzene	119	13.557	13.557	(0.962)	7963650	60.0000	52.6494
109	1,2,4-Trimethylbenzene	105	13.606	13.606	(0.966)	7993896	60.0000	52.1334
110	sec-Butylbenzene	134	13.804	13.804	(0.980)	2436865	60.0000	50.9216

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
111 4-Isopropyltoluene	119	13.932	13.932	(0.989)	9722509	60.0000	51.1863
112 1,3-Dichlorobenzene	146	14.020	14.020	(0.995)	5081251	60.0000	53.0772
114 1,4-dichlorobenzene	146	14.119	14.119	(1.002)	4822836	60.0000	50.4139
116 n-Butylbenzene	91	14.434	14.434	(1.024)	8851791	60.0000	49.8755
117 1,2-Dichlorobenzene	146	14.602	14.602	(1.036)	4102781	60.0000	54.1068
118 1,2-Dibromo-3-chloropropane	157	15.598	15.598	(1.107)	218663	60.0000	61.0457(A)
120 1,2,4-Trichlorobenzene	180	16.820	16.820	(1.194)	2728443	60.0000	54.7415
121 Hexachlorobutadiene	225	17.007	17.007	(1.207)	1948217	60.0000	58.0749
122 Naphthalene	128	17.274	17.274	(1.226)	3377862	60.0000	56.7026
123 1,2,3-Trichlorobenzene	180	17.678	17.678	(1.255)	2094839	60.0000	54.6822

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: RR3766.D

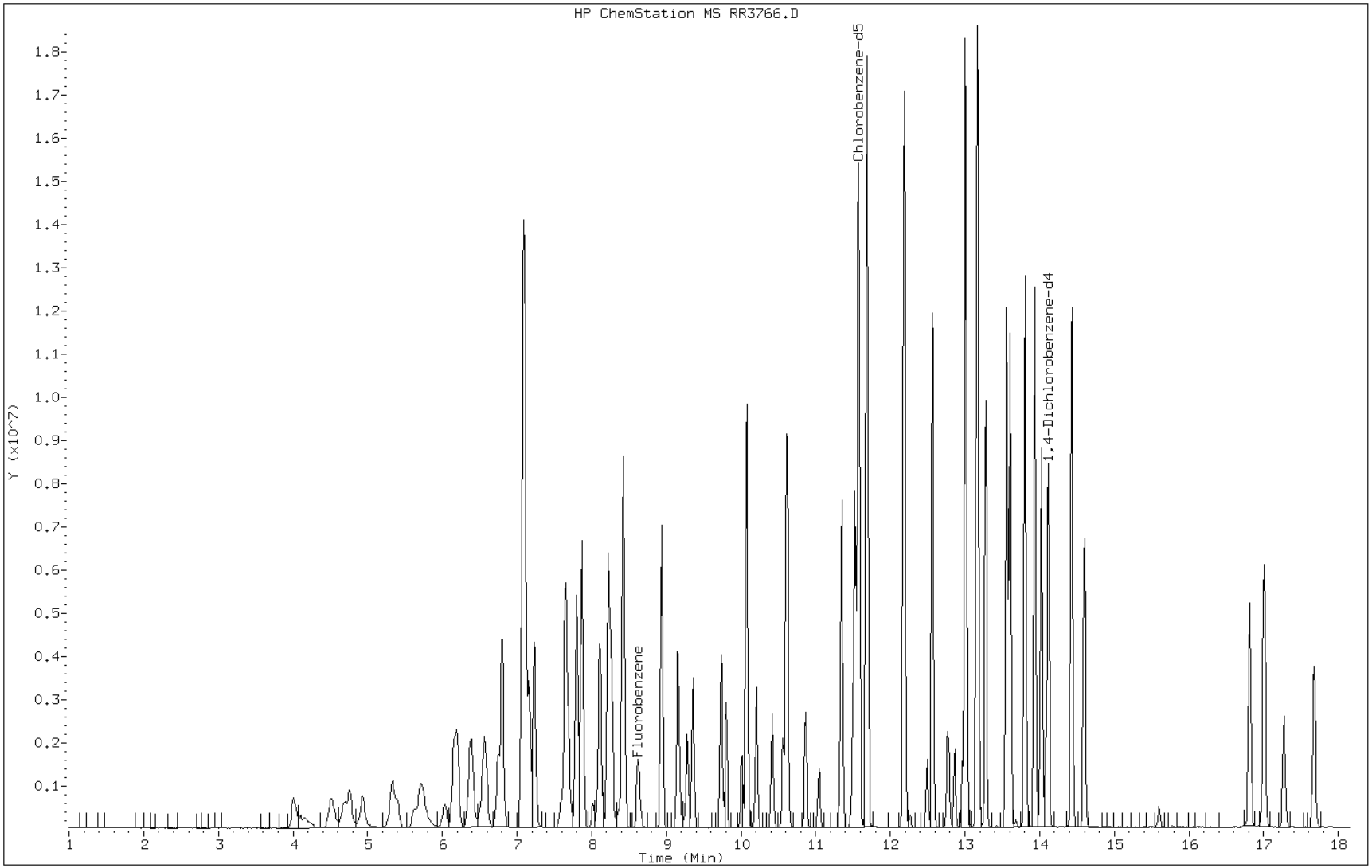
Date: 26-MAR-2012 09:56

Client ID:

Instrument: R2.i

Sample Info: IC,,M60 30uL

Operator: DOBRANSKYM



Manual Integration Report

Data File: RR3766.D
Inj. Date and Time: 26-MAR-2012 09:56
Instrument ID: R2.i
Client ID:
Compound: 15 Trichlorofluoromethane
CAS #:
Report Date: 03/27/2012

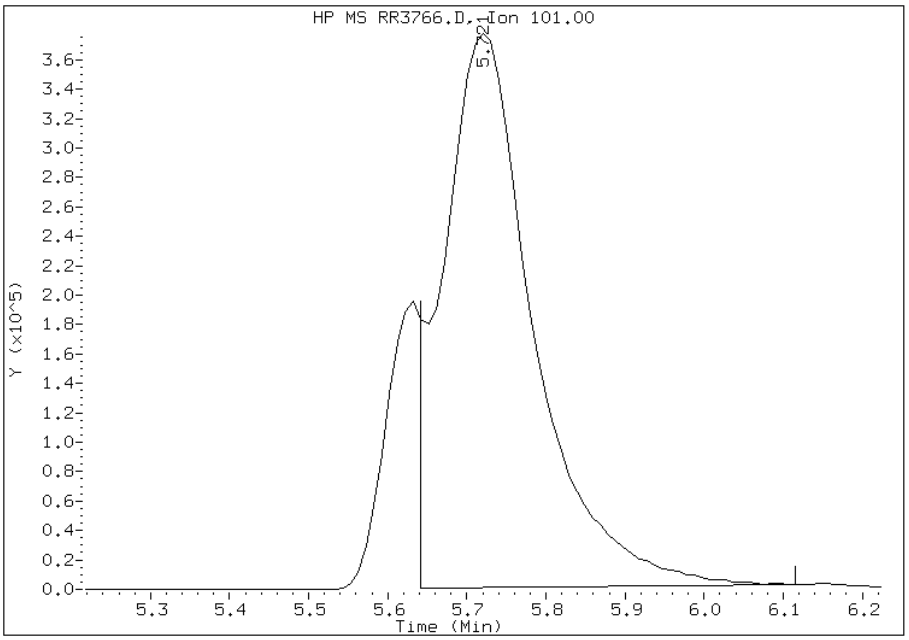
Processing Integration Results

RT: 5.72

Response: 3057379

Amount: 45

Conc: 45



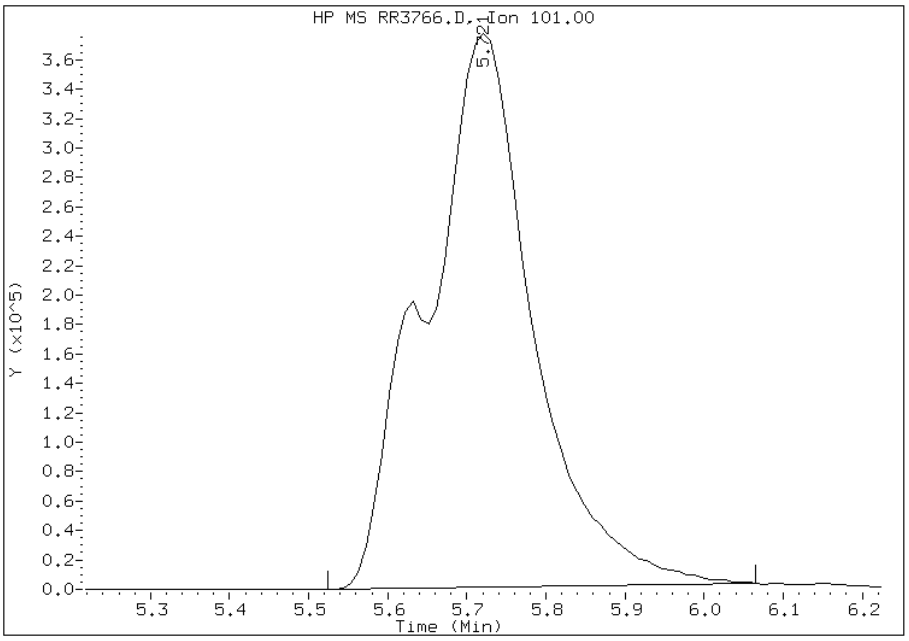
Manual Integration Results

RT: 5.72

Response: 3555629

Amount: 53

Conc: 53



Manually Integrated By: dobranskym
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: RR3766.D
Inj. Date and Time: 26-MAR-2012 09:56
Instrument ID: R2.i
Client ID:
Compound: 28 Acetonitrile
CAS #: 75-05-8
Report Date: 03/27/2012

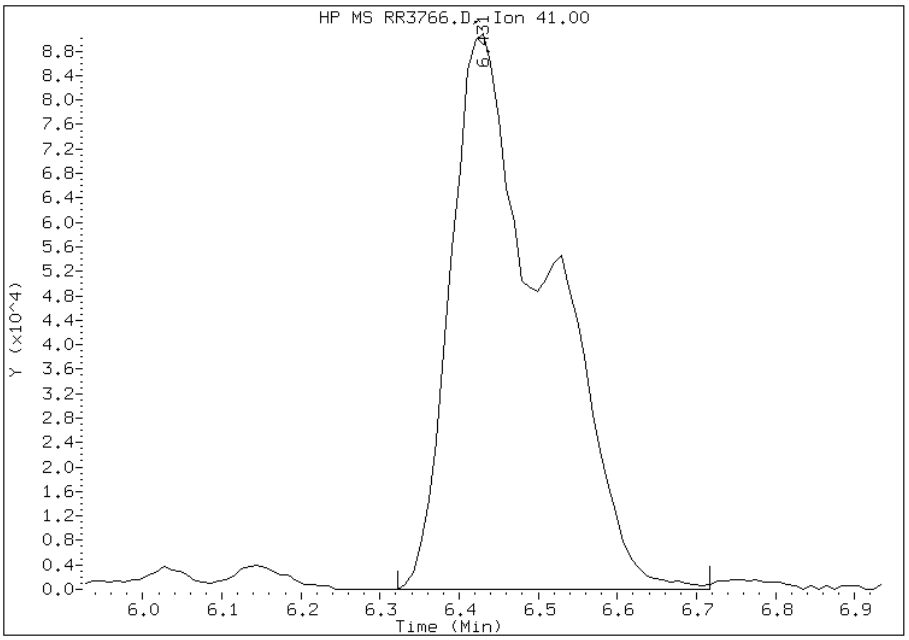
Processing Integration Results

RT: 6.43

Response: 778274

Amount: 572

Conc: 572



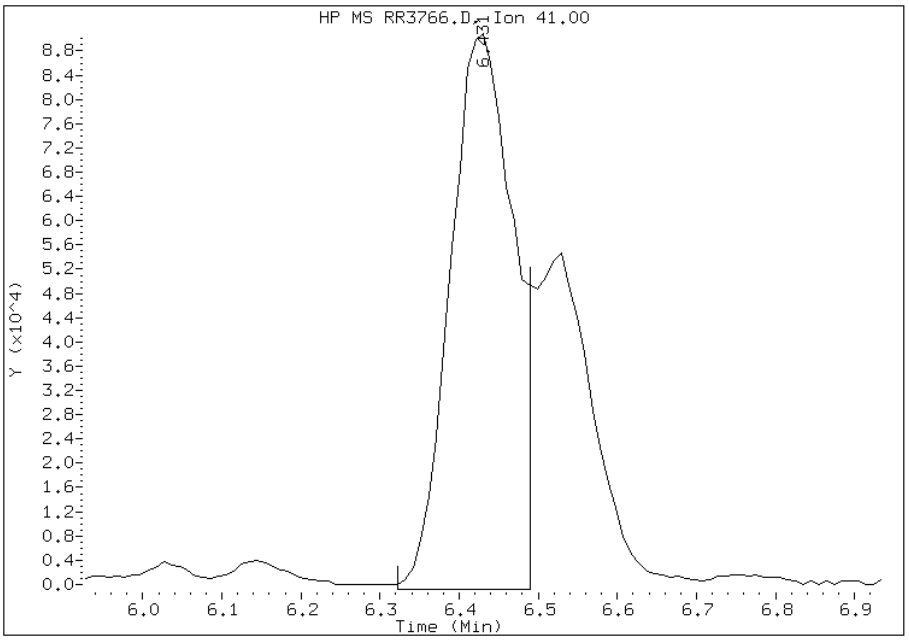
Manual Integration Results

RT: 6.43

Response: 522713

Amount: 597

Conc: 597



Manually Integrated By: seifertj
Manual Integration Reason: Mis-Integrated

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-113188/10 Calibration Date: 03/26/2012 10:40

Instrument ID: MSV_G Calib Start Date: 03/26/2012 07:20

GC Column: DB-624 (60.32) ID: 0.32(mm) Calib End Date: 03/26/2012 09:52

Lab File ID: G5470.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Lin2	0.0026	0.0032		1120	1000	12.5	50.0
2-Chloro-1,3-butadiene	Ave	0.2692	0.3093		57.4	50.0	14.9	35.0
Propionitrile	Ave	0.0360	0.0207		288	500	-42.4*	35.0
Methacrylonitrile	Ave	0.1588	0.1725		543	500	8.6	50.0
Isobutyl alcohol	Ave	0.0092	0.0098		1060	1000	6.2	50.0
1,4-Dioxane	Ave	0.0031	0.0034		1090	1000	9.4	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5470.D
Lab Smp Id: ICV
Inj Date : 26-MAR-2012 10:40
Operator : REINHARDT Inst ID: G.i
Smp Info : ICV,,B
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\032612.B\8260B-soil.m
Meth Date : 27-Mar-2012 09:04 G.i Quant Type: ISTD
Cal Date : 26-MAR-2012 15:22 Cal File: G5480.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICVMB.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)	
* 59 Fluorobenzene	96	8.190	8.195	(1.000)	4025377	50.0000		
* 85 Chlorobenzene-d5	119	10.853	10.848	(1.000)	892283	50.0000		
* 110 1,4-Dichlorobenzene-d4	152	12.915	12.909	(1.000)	1195591	50.0000		(Q)
14 Ethanol	45	5.349	5.354	(0.653)	255078	1124.79	1124.79	
37 Chloroprene	53	6.868	6.873	(0.839)	1245126	57.4450	57.4450	
43 Propionitrile	54	7.233	7.238	(0.883)	834051	287.913	287.913	
45 Methacrylonitrile	41	7.371	7.376	(0.900)	6941737	542.889	542.889	
50 Isobutanol	41	7.657	7.662	(0.935)	784965	1061.83	1061.83	
66 1,4-Dioxane	88	8.762	8.757	(1.070)	272224	1094.01	1094.01	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: G5470.D

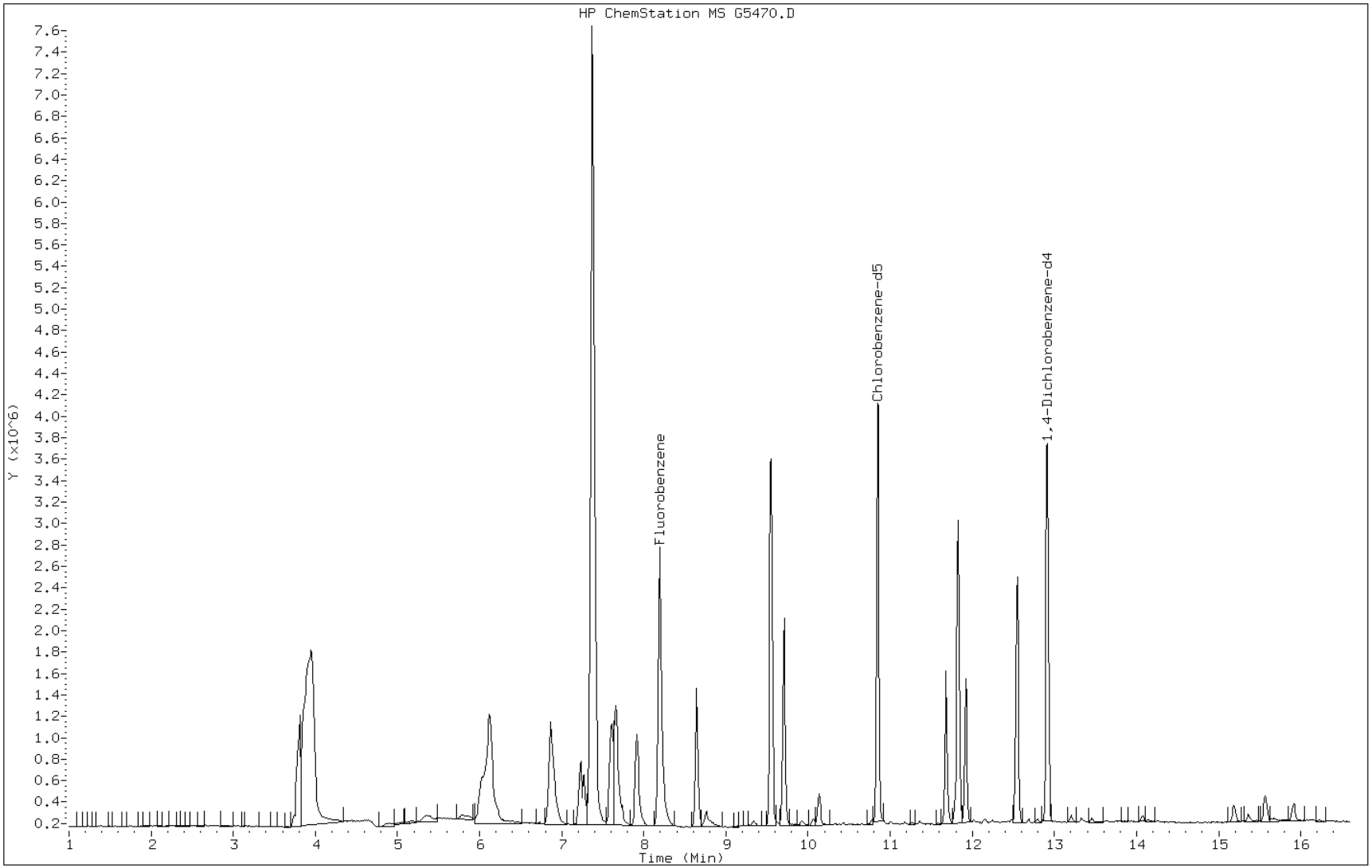
Date: 26-MAR-2012 10:40

Client ID:

Instrument: G.i

Sample Info: ICV,,B

Operator: REINHARDT



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-113188/11 Calibration Date: 03/26/2012 11:02

Instrument ID: MSV_G Calib Start Date: 03/26/2012 07:20

GC Column: DB-624 (60.32) ID: 0.32(mm) Calib End Date: 03/26/2012 09:52

Lab File ID: G5471.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.2740	0.2477		90.3	100	-9.6	20.0
Xylenes, Total	Ave	1.692	1.537		136	150	-9.2	35.0
Chloromethane	Ave	0.2809	0.2848		50.7	50.0	1.4	20.0
Vinyl chloride	Ave	0.2719	0.2540		46.7	50.0	-6.6	20.0
Bromomethane	Ave	0.1975	0.1761		44.6	50.0	-10.8	20.0
Chloroethane	Ave	0.1460	0.1352		46.3	50.0	-7.4	20.0
Trichlorofluoromethane	Ave	0.3258	0.3046		46.7	50.0	-6.5	20.0
Acrolein	Ave	0.0525	0.0449		427	500	-14.5	55.0
Acetone	Ave	0.1041	0.0994		191	200	-4.5	20.0
1,1-Dichloroethene	Ave	0.2974	0.2577		43.3	50.0	-13.3	20.0
Iodomethane	Ave	0.3969	0.3748		47.2	50.0	-5.6	35.0
Methylene Chloride	Ave	0.3027	0.2795		46.2	50.0	-7.7	20.0
Acrylonitrile	Ave	0.0989	0.0982		496	500	-0.7	55.0
trans-1,2-Dichloroethene	Ave	0.2659	0.2353		44.3	50.0	-11.5	20.0
1,1-Dichloroethane	Ave	0.4288	0.3877		45.2	50.0	-9.6	20.0
2-Butanone (MEK)	Ave	0.1493	0.1418		190	200	-5.0	20.0
cis-1,2-Dichloroethene	Ave	0.2821	0.2601		46.1	50.0	-7.8	20.0
2,2-Dichloropropane	Ave	0.2013	0.1784		44.3	50.0	-11.4	20.0
Chlorobromomethane	Ave	0.1490	0.1406		47.2	50.0	-5.6	20.0
Chloroform	Ave	0.4267	0.3834		44.9	50.0	-10.2	20.0
1,1,1-Trichloroethane	Ave	0.2162	0.1799		41.6	50.0	-16.8	20.0
1,1-Dichloropropene	Ave	0.3180	0.2710		42.6	50.0	-14.8	20.0
Carbon tetrachloride	Lin1	0.2263	0.2047		40.3	50.0	-19.4	20.0
1,2-Dichloroethane	Ave	0.2783	0.2706		48.6	50.0	-2.8	20.0
Benzene	Ave	0.8705	0.7996		45.9	50.0	-8.2	20.0
Trichloroethene	Ave	0.2437	0.2138		43.9	50.0	-12.3	20.0
1,2-Dichloropropane	Ave	0.2315	0.2103		45.4	50.0	-9.2	20.0
Dibromomethane	Ave	0.1792	0.1654		46.2	50.0	-7.7	20.0
Dichlorobromomethane	Ave	0.3187	0.2910		45.7	50.0	-8.7	20.0
cis-1,3-Dichloropropene	Ave	0.3746	0.3544		47.3	50.0	-5.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2677	0.2676		200	200	-0.0	20.0
Toluene	Ave	0.8821	0.7924		44.9	50.0	-10.2	20.0
trans-1,3-Dichloropropene	Ave	0.3329	0.3152		47.3	50.0	-5.3	20.0
1,1,2-Trichloroethane	Ave	0.2017	0.1903		47.2	50.0	-5.7	20.0
2-Hexanone	Ave	0.8921	0.8793		197	200	-1.4	20.0
1,3-Dichloropropane	Ave	1.555	1.425		45.8	50.0	-8.4	20.0
Tetrachloroethene	Ave	0.7815	0.6707		42.9	50.0	-14.2	20.0
Chlorodibromomethane	Ave	1.216	1.124		46.2	50.0	-7.5	20.0
Ethylene Dibromide	Ave	1.119	1.009		45.1	50.0	-9.8	20.0
1-Chlorohexane	Ave	1.578	1.290		40.9	50.0	-18.2	35.0
Chlorobenzene	Ave	2.680	2.489		46.4	50.0	-7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-113188/11 Calibration Date: 03/26/2012 11:02

Instrument ID: MSV_G Calib Start Date: 03/26/2012 07:20

GC Column: DB-624 (60.32) ID: 0.32(mm) Calib End Date: 03/26/2012 09:52

Lab File ID: G5471.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	0.9830	0.8868		45.1	50.0	-9.8	20.0
Ethylbenzene	Ave	1.339	1.194		44.6	50.0	-10.9	20.0
m-Xylene & p-Xylene	Ave	1.703	1.547		90.9	100	-9.1	20.0
o-Xylene	Ave	1.672	1.516		45.3	50.0	-9.3	20.0
Styrene	Ave	2.762	2.628		47.6	50.0	-4.9	20.0
Bromoform	Ave	0.7753	0.7226		46.6	50.0	-6.8	20.0
Isopropylbenzene	Ave	3.046	2.699		44.3	50.0	-11.4	20.0
Cyclohexanone	Ave	0.0641	0.0627		1220	1250	-2.2	35.0
1,1,2,2-Tetrachloroethane	Ave	0.9637	0.8499		44.1	50.0	-11.8	20.0
1,2,3-Trichloropropane	Ave	0.2664	0.2322		43.6	50.0	-12.9	20.0
Bromobenzene	Ave	0.8159	0.7556		46.3	50.0	-7.4	20.0
N-Propylbenzene	Ave	0.7899	0.6998		44.3	50.0	-11.4	20.0
1,3,5-Trimethylbenzene	Ave	2.442	2.175		44.5	50.0	-10.9	20.0
2-Chlorotoluene	Ave	0.7520	0.6715		44.6	50.0	-10.7	20.0
4-Chlorotoluene	Ave	0.7537	0.6980		46.3	50.0	-7.4	20.0
tert-Butylbenzene	Ave	2.342	2.114		45.1	50.0	-9.7	20.0
1,2,4-Trimethylbenzene	Ave	2.495	2.315		46.4	50.0	-7.2	20.0
sec-Butylbenzene	Ave	3.345	2.967		44.4	50.0	-11.3	20.0
4-Isopropyltoluene	Ave	2.578	2.336		45.3	50.0	-9.4	20.0
1,3-Dichlorobenzene	Ave	1.438	1.337		46.5	50.0	-7.0	20.0
1,4-Dichlorobenzene	Ave	1.474	1.388		47.1	50.0	-5.8	20.0
n-Butylbenzene	Ave	2.572	2.261		43.9	50.0	-12.1	20.0
1,2-Dichlorobenzene	Ave	1.342	1.264		47.1	50.0	-5.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1743	0.1500		43.0	50.0	-14.0	20.0
1,2,4-Trichlorobenzene	Ave	0.7658	0.7395		48.3	50.0	-3.4	20.0
Hexachlorobutadiene	Ave	0.4313	0.3965		46.0	50.0	-8.1	20.0
Naphthalene	Ave	1.755	1.625		46.3	50.0	-7.4	20.0
1,2,3-Trichlorobenzene	Ave	0.6294	0.5912		47.0	50.0	-6.1	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5471.D
Lab Smp Id: ICV
Inj Date : 26-MAR-2012 11:02
Operator : REINHARDT Inst ID: G.i
Smp Info : ICV,,A
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\032612.B\8260B-soil.m
Meth Date : 27-Mar-2012 09:07 reinhardtj Quant Type: ISTD
Cal Date : 26-MAR-2012 15:22 Cal File: G5480.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICVMA-.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)	
* 59	Fluorobenzene	96	8.195	8.212	(1.000)	4194293	50.0000		
* 85	Chlorobenzene-d5	119	10.848	10.865	(1.000)	946342	50.0000		
* 110	1,4-Dichlorobenzene-d4	152	12.910	12.926	(1.000)	1295631	50.0000		(Q)
M 3	1,2-Dichloroethene (total)	96				2077812	90.3416	90.3416	
M 4	Xylene (total)	106				4362626	136.199	136.199	
M 1	1,3-Dichloropropene (total)	100				2808580	94.6431	94.6431	
M 2	Trihalomethanes (total)	100				4576192	183.409	183.409	
7	Chloromethane	50	4.486	4.486	(0.547)	1194703	50.7089	50.7089	
8	Vinyl Chloride	62	4.634	4.634	(0.566)	1065133	46.6962	46.6962	
10	Bromomethane	94	5.038	5.028	(0.615)	738410	44.5793	44.5793	
11	Chloroethane	64	5.098	5.097	(0.622)	566936	46.2929	46.2929	
13	Trichlorofluoromethane	101	5.384	5.374	(0.657)	1277608	46.7482	46.7482	
18	Acrolein	56	5.679	5.679	(0.693)	1881581	427.397	427.397	
22	1,1-Dichloroethene	96	5.867	5.857	(0.716)	1080991	43.3272	43.3272	
20	Acetone	43	5.788	5.778	(0.706)	1668158	190.968	190.968	
23	Iodomethane	142	6.044	6.044	(0.738)	1571929	47.2188	47.2188	
29	Methylene Chloride	84	6.222	6.222	(0.759)	1172245	46.1661	46.1661	
30	Acrylonitrile	53	6.360	6.360	(0.776)	4118370	496.260	496.260	
32	trans-1,2-Dichloroethene	96	6.469	6.459	(0.789)	987053	44.2509	44.2509	
36	1,1-Dichloroethane	63	6.804	6.804	(0.830)	1626132	45.2074	45.2074	
40	2-Butanone	43	7.179	7.179	(0.876)	2378253	189.912	189.912	
41	cis-1,2-Dichloroethene	96	7.258	7.258	(0.886)	1090759	46.0907	46.0907	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
44	2,2-Dichloropropane	77	7.287	7.277	(0.889)	748081	44.2992	44.2992
46	Bromochloromethane	128	7.465	7.465	(0.911)	589829	47.1832	47.1832
47	Chloroform	83	7.475	7.475	(0.912)	1607914	44.9196	44.9196
51	1,1,1-Trichloroethane	97	7.711	7.711	(0.941)	754646	41.6033	41.6033
53	1,1-Dichloropropene	75	7.820	7.820	(0.954)	1136695	42.6086	42.6086
54	Carbon Tetrachloride	117	7.869	7.869	(0.960)	858489	40.3039	40.3039
58	Benzene	78	8.017	8.007	(0.978)	3353585	45.9235	45.9235
56	1,2-Dichloroethane	62	7.978	7.978	(0.974)	1134873	48.6127	48.6127
61	Trichloroethene	95	8.510	8.510	(1.039)	896715	43.8663	43.8663
65	1,2-Dichloropropane	63	8.708	8.708	(1.063)	882193	45.4230	45.4230
67	Dibromomethane	93	8.826	8.816	(1.077)	693788	46.1582	46.1582
68	Bromodichloromethane	83	8.905	8.895	(1.087)	1220447	45.6516	45.6516
71	cis-1,3-Dichloropropene	75	9.270	9.270	(1.131)	1486490	47.3015	47.3015
72	4-Methyl-2-pentanone	43	9.329	9.329	(1.138)	4488969	199.923	199.923
74	Toluene	91	9.615	9.615	(1.173)	3323462	44.9142	44.9142
76	trans-1,3-Dichloropropene	75	9.724	9.724	(1.187)	1322090	47.3415	47.3415
77	1,1,2-Trichloroethane	97	9.921	9.921	(1.211)	797969	47.1586	47.1586
80	Tetrachloroethene	164	10.138	10.138	(0.935)	634711	42.9120	42.9120
79	1,3-Dichloropropane	76	10.089	10.088	(0.930)	1348503	45.8060	45.8060
78	2-Hexanone	43	10.059	10.059	(0.927)	3328352	197.134	197.134
81	Dibromochloromethane	129	10.335	10.325	(0.953)	1063976	46.2332	46.2332
83	1,2-Dibromoethane	107	10.483	10.483	(0.966)	955105	45.1104	45.1104
84	1-Chlorohexane	91	10.749	10.749	(0.991)	1221113	40.8851	40.8850
86	Chlorobenzene	112	10.878	10.878	(1.003)	2355380	46.4435	46.4435
87	1,1,1,2-Tetrachloroethane	131	10.917	10.917	(1.006)	839244	45.1097	45.1097
88	Ethylbenzene	106	10.927	10.917	(1.007)	1129510	44.5530	44.5530
89	m and p-Xylene	106	11.006	11.006	(1.015)	2928378	90.8689	90.8689(Q)
90	o-Xylene	106	11.361	11.361	(1.047)	1434248	45.3303	45.3303
91	Styrene	104	11.361	11.361	(1.047)	2486660	47.5684	47.5684
92	Bromoform	173	11.578	11.578	(1.067)	683855	46.6045	46.6045
93	isopropyl benzene	105	11.667	11.657	(0.904)	3496910	44.2993	44.2993
95	Cyclohexanone	55	11.795	11.795	(1.087)	1482251	1222.15	1222.15
97	1,1,2,2-Tetrachloroethane	83	11.884	11.884	(0.921)	1101141	44.0949	44.0949
100	Bromobenzene	156	12.012	12.012	(0.930)	978913	46.2998	46.2998
99	1,2,3-Trichloropropane	110	11.963	11.963	(0.927)	300824	43.5714	43.5714
101	n-Propylbenzene	120	12.022	12.022	(0.931)	906673	44.2941	44.2941(Q)
103	2-Chlorotoluene	126	12.160	12.160	(0.942)	870037	44.6481	44.6481
102	1,3,5-Trimethylbenzene	105	12.150	12.150	(0.941)	2817754	44.5384	44.5384
104	4-Chlorotoluene	126	12.239	12.239	(0.948)	904398	46.3086	46.3086
105	tert-Butylbenzene	119	12.485	12.485	(0.967)	2739167	45.1434	45.1434
106	1,2,4-Trimethylbenzene	105	12.515	12.515	(0.969)	2999570	46.3926	46.3926
107	sec-Butylbenzene	105	12.693	12.683	(0.983)	3844138	44.3542	44.3542
108	4-Isopropyltoluene	119	12.791	12.791	(0.991)	3026449	45.3064	45.3064
109	1,3-Dichlorobenzene	146	12.860	12.860	(0.996)	1732445	46.4784	46.4784
111	1,4-dichlorobenzene	146	12.939	12.939	(1.002)	1798664	47.0877	47.0876
113	n-Butylbenzene	91	13.205	13.196	(1.023)	2928842	43.9371	43.9371
114	1,2-Dichlorobenzene	146	13.334	13.334	(1.033)	1637044	47.0661	47.0661
115	1,2-Dibromo-3-chloropropane	157	14.152	14.142	(1.096)	194278	43.0199	43.0198
116	1,2,4-Trichlorobenzene	180	15.188	15.188	(1.176)	958153	48.2821	48.2821
117	Hexachlorobutadiene	225	15.366	15.366	(1.190)	513763	45.9670	45.9670
118	Naphthalene	128	15.573	15.573	(1.206)	2105135	46.2982	46.2982
119	1,2,3-Trichlorobenzene	180	15.918	15.908	(1.233)	766023	46.9647	46.9647

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: G5471.D

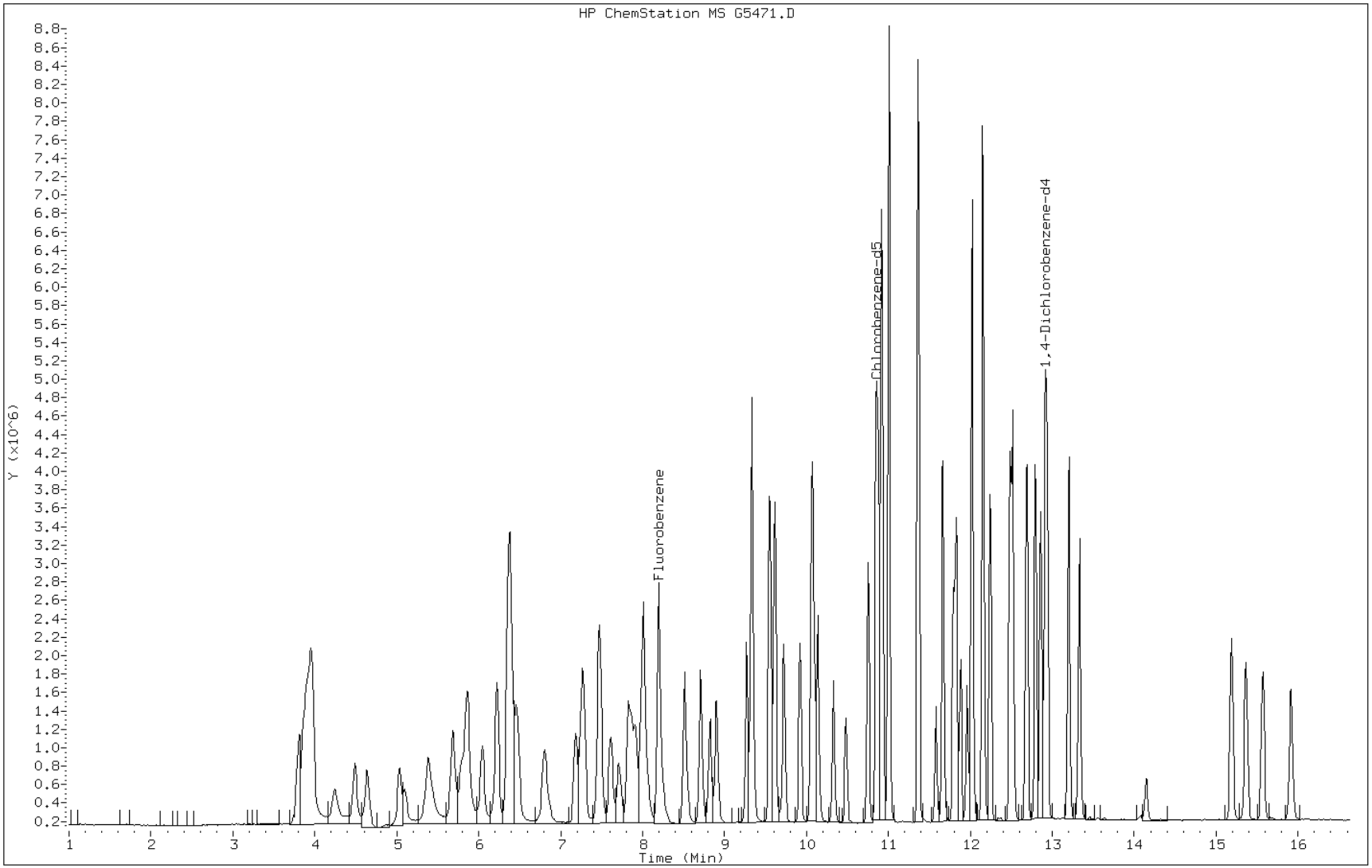
Date: 26-MAR-2012 11:02

Client ID:

Instrument: G.i

Sample Info: ICV,,A

Operator: REINHARDT



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-113188/13 Calibration Date: 03/26/2012 12:44

Instrument ID: MSV_G Calib Start Date: 03/26/2012 07:20

GC Column: DB-624 (60.32) ID: 0.32(mm) Calib End Date: 03/26/2012 09:52

Lab File ID: G5473.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1	0.2466	0.2817		52.1	50.0	4.3	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5473.D
Lab Smp Id: ICV
Inj Date : 26-MAR-2012 12:44
Operator : REINHARDT Inst ID: G.i
Smp Info : ICV,,G
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\032612.B\8260B-soil.m
Meth Date : 27-Mar-2012 09:07 reinhardtj Quant Type: ISTD
Cal Date : 26-MAR-2012 15:22 Cal File: G5480.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-gas-.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)	
* 59 Fluorobenzene	96	8.206	8.212	(1.000)	3858898	50.0000		
* 85 Chlorobenzene-d5	119	10.860	10.865	(1.000)	868673	50.0000		
* 110 1,4-Dichlorobenzene-d4	152	12.921	12.926	(1.000)	1143254	50.0000		(Q)
5 dichlorodifluoromethane	85	4.251	4.239	(0.518)	1087194	52.1250	52.1250	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: G5473.D

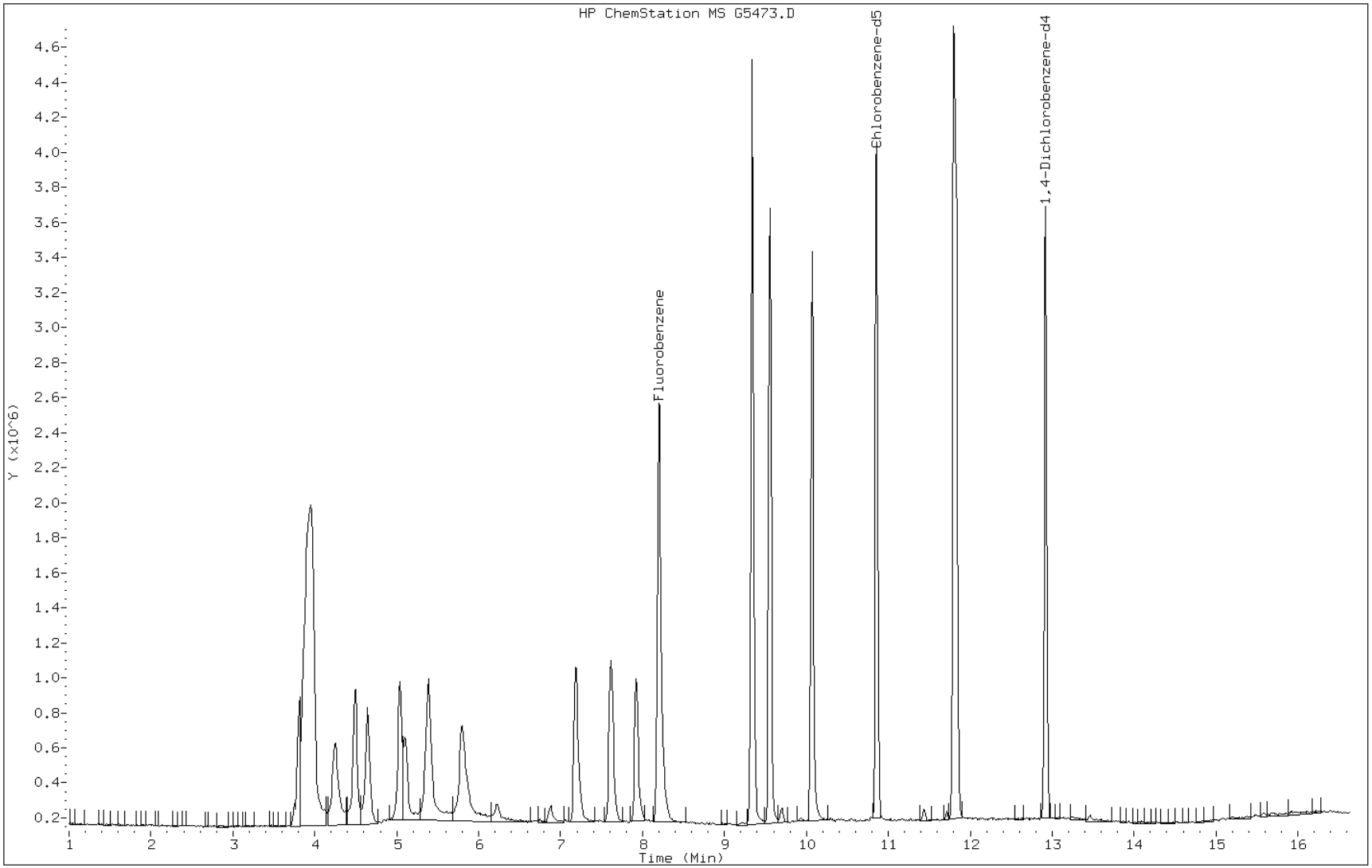
Date: 26-MAR-2012 12:44

Client ID:

Instrument: G.i

Sample Info: ICV,,G

Operator: REINHARDT



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114253/2 Calibration Date: 04/04/2012 07:37

Instrument ID: MSV_G Calib Start Date: 03/26/2012 07:20

GC Column: DB-624 (60.32) ID: 0.32(mm) Calib End Date: 03/26/2012 09:52

Lab File ID: G5632.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.2740	0.2580		94.2	100	-5.8	20.0
Xylenes, Total	Ave	1.692	1.597		142	150	-5.7	35.0
Dichlorodifluoromethane	Lin1	0.2466	0.2711		50.2	50.0	0.5	20.0
Chloromethane	Ave	0.2809	0.2615		46.6	50.0	-6.9	20.0
Vinyl chloride	Ave	0.2719	0.2453		45.1	50.0	-9.8	20.0
Bromomethane	Ave	0.1975	0.1879		47.6	50.0	-4.8	20.0
Chloroethane	Ave	0.1460	0.1266		43.4	50.0	-13.3	20.0
Ethanol	Lin2	0.0026	0.0026		2180	2500	-12.9	50.0
Trichlorofluoromethane	Ave	0.3258	0.3100		47.6	50.0	-4.9	20.0
Acrolein	Ave	0.0525	0.0573		543	497	9.1	50.0
Acetone	Ave	0.1041	0.1118		215	200	7.3	20.0
1,1-Dichloroethene	Ave	0.2974	0.2796		47.0	50.0	-6.0	20.0
Acetonitrile	Ave	0.0259	0.0332		640	500	28.0	50.0
Iodomethane	Ave	0.3969	0.4023		50.7	50.0	1.4	35.0
2-Methyl-2-propanol	Ave	0.0322	0.0347		1080	1000	7.8	50.0
Methylene Chloride	Ave	0.3027	0.2807		46.4	50.0	-7.3	20.0
Acrylonitrile	Ave	0.0989	0.1029		520	500	4.0	50.0
trans-1,2-Dichloroethene	Ave	0.2659	0.2489		46.8	50.0	-6.4	20.0
1,1-Dichloroethane	Ave	0.4288	0.3912		45.6	50.0	-8.8	20.0
2-Chloro-1,3-butadiene	Ave	0.2692	0.2527		46.9	50.0	-6.1	35.0
2-Butanone (MEK)	Ave	0.1493	0.1636		219	200	9.6	20.0
Propionitrile	Ave	0.0360	0.0368		512	500	2.4	50.0
cis-1,2-Dichloroethene	Ave	0.2821	0.2672		47.3	50.0	-5.3	20.0
2,2-Dichloropropane	Ave	0.2013	0.1759		43.7	50.0	-12.6	20.0
Methacrylonitrile	Ave	0.1588	0.1639		516	500	3.2	50.0
Chlorobromomethane	Ave	0.1490	0.1552		52.1	50.0	4.1	20.0
Chloroform	Ave	0.4267	0.4015		47.0	50.0	-5.9	20.0
Isobutyl alcohol	Ave	0.0092	0.0101		1090	1000	9.4	50.0
1,1,1-Trichloroethane	Ave	0.2162	0.1803		41.7	50.0	-16.6	20.0
1,1-Dichloropropene	Ave	0.3180	0.2802		44.1	50.0	-11.9	20.0
Carbon tetrachloride	Lin1	0.2263	0.2223		43.6	50.0	-12.9	20.0
1,2-Dichloroethane	Ave	0.2783	0.2588		46.5	50.0	-7.0	20.0
Benzene	Ave	0.8705	0.7949		45.7	50.0	-8.7	20.0
Trichloroethene	Ave	0.2437	0.2136		43.8	50.0	-12.3	20.0
1,2-Dichloropropane	Ave	0.2315	0.2114		45.7	50.0	-8.7	20.0
1,4-Dioxane	Ave	0.0031	0.0031		2500	2500	-0.2	50.0
Dibromomethane	Ave	0.1792	0.1728		48.2	50.0	-3.6	20.0
Dichlorobromomethane	Ave	0.3187	0.2912		45.7	50.0	-8.6	20.0
cis-1,3-Dichloropropene	Ave	0.3746	0.3550		47.4	50.0	-5.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2677	0.2924		218	200	9.2	20.0
Toluene	Ave	0.8821	0.8230		46.6	50.0	-6.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114253/2 Calibration Date: 04/04/2012 07:37

Instrument ID: MSV_G Calib Start Date: 03/26/2012 07:20

GC Column: DB-624 (60.32) ID: 0.32(mm) Calib End Date: 03/26/2012 09:52

Lab File ID: G5632.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.3329	0.3131		47.0	50.0	-6.0	20.0
1,1,2-Trichloroethane	Ave	0.2017	0.1904		47.2	50.0	-5.6	20.0
2-Hexanone	Ave	0.8921	0.9634		216	200	8.0	20.0
1,3-Dichloropropane	Ave	1.555	1.466		47.1	50.0	-5.8	20.0
Tetrachloroethene	Ave	0.7815	0.7298		46.7	50.0	-6.6	20.0
Chlorodibromomethane	Ave	1.216	1.170		48.1	50.0	-3.8	20.0
Ethylene Dibromide	Ave	1.119	1.084		48.4	50.0	-3.1	20.0
1-Chlorohexane	Ave	1.578	1.337		42.3	49.9	-15.2	35.0
Chlorobenzene	Ave	2.680	2.554		47.6	50.0	-4.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.9830	0.9521		48.4	50.0	-3.1	20.0
Ethylbenzene	Ave	1.339	1.253		46.8	50.0	-6.5	20.0
m-Xylene & p-Xylene	Ave	1.703	1.606		94.3	100	-5.7	20.0
o-Xylene	Ave	1.672	1.578		47.2	50.0	-5.6	20.0
Styrene	Ave	2.762	2.754		49.9	50.0	-0.3	20.0
Bromoform	Ave	0.7753	0.7898		50.9	50.0	1.9	20.0
Isopropylbenzene	Ave	3.046	2.692		44.2	50.0	-11.6	20.0
Cyclohexanone	Ave	0.0641	0.0753		2350	2000	17.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9637	0.8997		46.7	50.0	-6.6	20.0
1,2,3-Trichloropropane	Ave	0.2664	0.2501		46.9	50.0	-6.1	20.0
Bromobenzene	Ave	0.8159	0.7630		46.8	50.0	-6.5	20.0
N-Propylbenzene	Ave	0.7899	0.6966		44.1	50.0	-11.8	20.0
1,3,5-Trimethylbenzene	Ave	2.442	2.118		43.4	50.0	-13.3	20.0
2-Chlorotoluene	Ave	0.7520	0.6666		44.3	50.0	-11.4	20.0
4-Chlorotoluene	Ave	0.7537	0.6846		45.4	50.0	-9.2	20.0
tert-Butylbenzene	Ave	2.342	2.059		44.0	50.0	-12.1	20.0
1,2,4-Trimethylbenzene	Ave	2.495	2.265		45.4	50.0	-9.2	20.0
sec-Butylbenzene	Ave	3.345	2.886		43.2	50.0	-13.7	20.0
4-Isopropyltoluene	Ave	2.578	2.296		44.5	50.0	-10.9	20.0
1,3-Dichlorobenzene	Ave	1.438	1.331		46.3	50.0	-7.4	20.0
1,4-Dichlorobenzene	Ave	1.474	1.355		45.9	50.0	-8.1	20.0
n-Butylbenzene	Ave	2.572	2.223		43.2	50.0	-13.6	20.0
1,2-Dichlorobenzene	Ave	1.342	1.276		47.5	50.0	-4.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1743	0.1684		48.3	50.0	-3.4	20.0
1,2,4-Trichlorobenzene	Ave	0.7658	0.7876		51.4	50.0	2.8	20.0
Hexachlorobutadiene	Ave	0.4313	0.4090		47.4	50.0	-5.2	20.0
Naphthalene	Ave	1.755	1.784		50.8	50.0	1.7	20.0
1,2,3-Trichlorobenzene	Ave	0.6294	0.6491		51.6	50.0	3.1	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5632.D
Lab Smp Id: CCV
Inj Date : 04-APR-2012 07:37
Operator : HUBBSL Inst ID: G.i
Smp Info : CCV,,M1G8
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 12:44 G.i Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 59 Fluorobenzene	96	8.170	8.170	(1.000)	4245041	50.0000	
* 85 Chlorobenzene-d5	119	10.833	10.833	(1.000)	958985	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.895	12.895	(1.000)	1411568	50.0000	
M 1 1,3-Dichloropropene (total)	100				2835666	100.000	94.3900
M 2 Trihalomethanes (total)	100				4819641	200.000	191.769
M 3 1,2-Dichloroethene (total)	96				2190769	100.000	94.1548
M 4 Xylene (total)	106				4593231	150.000	141.510
5 dichlorodifluoromethane	85	4.215	4.215	(0.516)	1150916	50.0000	50.2316
7 Chloromethane	50	4.462	4.462	(0.546)	1109999	50.0000	46.5504
8 Vinyl Chloride	62	4.609	4.609	(0.564)	1041419	50.0000	45.1108
10 Bromomethane	94	5.004	5.004	(0.612)	797761	50.0000	47.5867
11 Chloroethane	64	5.073	5.073	(0.621)	537335	50.0000	43.3513
13 Trichlorofluoromethane	101	5.359	5.359	(0.656)	1315853	50.0000	47.5720
14 Ethanol	45	5.339	5.339	(0.654)	542968	2500.00	2176.30
18 Acrolein	56	5.665	5.665	(0.693)	2417590	500.000	542.586
20 Acetone	43	5.764	5.764	(0.705)	1897674	200.000	214.646
22 1,1-Dichloroethene	96	5.833	5.833	(0.714)	1187052	50.0000	47.0095(Q)
23 Iodomethane	142	6.020	6.020	(0.737)	1707651	50.0000	50.6825
24 Acetonitrile	41	6.020	6.020	(0.737)	1409874	500.000	640.151
28 tert-Butyl alcohol	59	6.119	6.119	(0.749)	2948552	1000.00	1078.11
29 Methylene Chloride	84	6.198	6.198	(0.759)	1191706	50.0000	46.3715
30 Acrylonitrile	53	6.336	6.336	(0.775)	4368251	500.000	520.078

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32	trans-1,2-Dichloroethene	96	6.444	6.444	(0.789)	1056666	50.0000	46.8054
35	Isopropyl ether	87	6.710	6.710	(0.821)	3693959	250.000	245.817(Q)
36	1,1-Dichloroethane	63	6.779	6.779	(0.830)	1660757	50.0000	45.6180
37	Chloroprene	53	6.849	6.849	(0.838)	1072736	50.0000	46.9306
40	2-Butanone	43	7.154	7.154	(0.876)	2777289	200.000	219.125
41	cis-1,2-Dichloroethene	96	7.233	7.233	(0.885)	1134103	50.0000	47.3493
43	Propionitrile	54	7.213	7.213	(0.883)	1563801	500.000	511.888
44	2,2-Dichloropropane	77	7.263	7.263	(0.889)	746783	50.0000	43.6937
45	Methacrylonitrile	41	7.352	7.352	(0.900)	6957476	500.000	515.963
46	Bromochloromethane	128	7.450	7.450	(0.912)	658710	50.0000	52.0634(Q)
47	Chloroform	83	7.450	7.450	(0.912)	1704269	50.0000	47.0422
51	1,1,1-Trichloroethane	97	7.687	7.687	(0.941)	765274	50.0000	41.6849
50	Isobutanol	41	7.647	7.647	(0.936)	852833	1000.00	1093.94
53	1,1-Dichloropropene	75	7.795	7.795	(0.954)	1189622	50.0000	44.0594
54	Carbon Tetrachloride	117	7.845	7.845	(0.960)	943777	50.0000	43.5554
56	1,2-Dichloroethane	62	7.953	7.953	(0.973)	1098679	50.0000	46.4997
58	Benzene	78	7.993	7.993	(0.978)	3374270	50.0000	45.6544
60	n-Butanol	56	8.180	8.180	(1.001)	1172038	1500.00	1542.78
61	Trichloroethene	95	8.486	8.486	(1.039)	906888	50.0000	43.8336
65	1,2-Dichloropropane	63	8.683	8.683	(1.063)	897416	50.0000	45.6544
66	1,4-Dioxane	88	8.742	8.742	(1.070)	654988	2500.00	2496.06
67	Dibromomethane	93	8.802	8.802	(1.077)	733344	50.0000	48.2066
68	Bromodichloromethane	83	8.880	8.880	(1.087)	1236047	50.0000	45.6824
71	cis-1,3-Dichloropropene	75	9.245	9.245	(1.132)	1506775	50.0000	47.3738
72	4-Methyl-2-pentanone	43	9.314	9.314	(1.140)	4964272	200.000	218.448
74	Toluene	91	9.591	9.591	(1.174)	3493467	50.0000	46.6472
76	trans-1,3-Dichloropropene	75	9.699	9.699	(1.187)	1328891	50.0000	47.0162
77	1,1,2-Trichloroethane	97	9.896	9.896	(1.211)	808095	50.0000	47.1861
78	2-Hexanone	43	10.044	10.044	(0.927)	3695391	200.000	215.988
79	1,3-Dichloropropane	76	10.074	10.074	(0.930)	1405806	50.0000	47.1230
80	Tetrachloroethene	164	10.123	10.123	(0.934)	699900	50.0000	46.6955
81	Dibromochloromethane	129	10.311	10.311	(0.952)	1121928	50.0000	48.1087
83	1,2-Dibromoethane	107	10.459	10.459	(0.965)	1039471	50.0000	48.4478
84	1-Chlorohexane	91	10.735	10.735	(0.991)	1280804	50.0000	42.3182
86	Chlorobenzene	112	10.863	10.863	(1.003)	2448792	50.0000	47.6488
87	1,1,1,2-Tetrachloroethane	131	10.902	10.902	(1.006)	913058	50.0000	48.4302
88	Ethylbenzene	106	10.902	10.902	(1.006)	1201655	50.0000	46.7738
89	m and p-Xylene	106	10.991	10.991	(1.015)	3080152	100.000	94.3184
90	o-Xylene	106	11.346	11.346	(1.047)	1513079	50.0000	47.1913
91	Styrene	104	11.346	11.346	(1.047)	2640992	50.0000	49.8546
92	Bromoform	173	11.563	11.563	(1.067)	757397	50.0000	50.9358
93	isopropyl benzene	105	11.642	11.642	(0.903)	3799960	50.0000	44.1846
95	Cyclohexanone	55	11.780	11.780	(1.087)	2889462	2000.00	2351.01
97	1,1,2,2-Tetrachloroethane	83	11.859	11.859	(0.920)	1270043	50.0000	46.6813
99	1,2,3-Trichloropropane	110	11.948	11.948	(0.927)	352969	50.0000	46.9251
100	Bromobenzene	156	11.997	11.997	(0.930)	1077057	50.0000	46.7577
101	n-Propylbenzene	120	12.007	12.007	(0.931)	983348	50.0000	44.0942
102	1,3,5-Trimethylbenzene	105	12.135	12.135	(0.941)	2989445	50.0000	43.3712
103	2-Chlorotoluene	126	12.135	12.135	(0.941)	940957	50.0000	44.3215
104	4-Chlorotoluene	126	12.224	12.224	(0.948)	966417	50.0000	45.4199
105	tert-Butylbenzene	119	12.471	12.471	(0.967)	2906405	50.0000	43.9654
106	1,2,4-Trimethylbenzene	105	12.500	12.500	(0.969)	3197830	50.0000	45.3968
107	sec-Butylbenzene	105	12.668	12.668	(0.982)	4074469	50.0000	43.1506
108	4-Isopropyltoluene	119	12.777	12.777	(0.991)	3240624	50.0000	44.5281

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 1,3-Dichlorobenzene	146	12.846	12.846	(0.996)	1879432	50.0000	46.2805
111 1,4-dichlorobenzene	146	12.915	12.915	(1.002)	1912113	50.0000	45.9462
113 n-Butylbenzene	91	13.181	13.181	(1.022)	3137544	50.0000	43.2021
114 1,2-Dichlorobenzene	146	13.319	13.319	(1.033)	1801254	50.0000	47.5338
115 1,2-Dibromo-3-chloropropane	157	14.128	14.128	(1.096)	237734	50.0000	48.3188
116 1,2,4-Trichlorobenzene	180	15.164	15.164	(1.176)	1111751	50.0000	51.4208
117 Hexachlorobutadiene	225	15.341	15.341	(1.190)	577347	50.0000	47.4133
118 Naphthalene	128	15.548	15.548	(1.206)	2517925	50.0000	50.8284
119 1,2,3-Trichlorobenzene	180	15.893	15.893	(1.233)	916204	50.0000	51.5586

QC Flag Legend

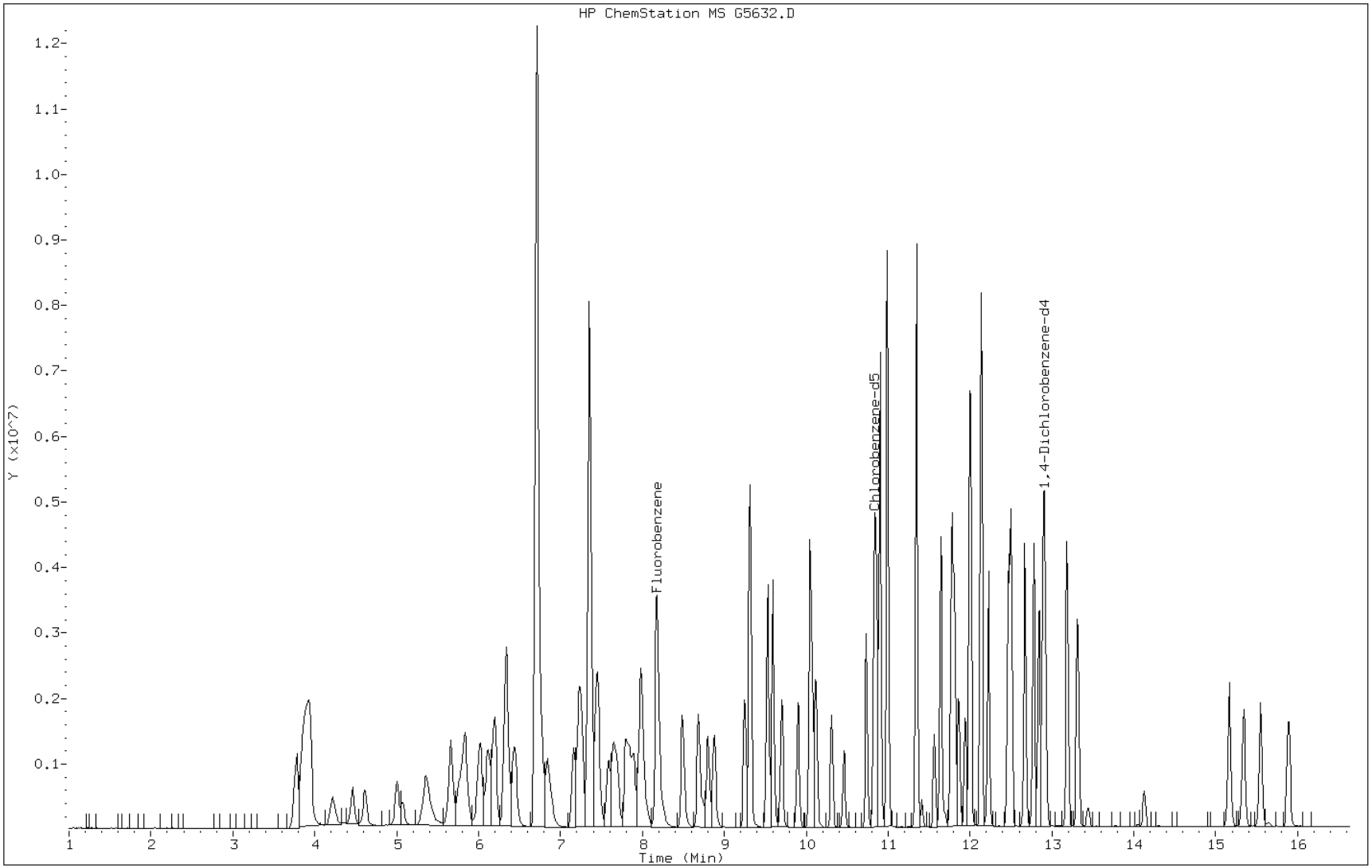
Q - Qualifier signal failed the ratio test.

Data File: G5632.D

Date: 04-APR-2012 07:37

Client ID: Instrument: G.i

Sample Info: CCV,,M1G8 Operator: HUBBSL



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114253/10 Calibration Date: 04/04/2012 10:56

Instrument ID: MSV_G Calib Start Date: 04/04/2012 07:59

GC Column: DB-624 (60.32) ID: 0.32(mm) Calib End Date: 04/04/2012 11:59

Lab File ID: G5640.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.3707	0.4331		58.4	50.0	16.8	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.2960	0.3147		53.2	50.0	6.3	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1633	0.1862		57.0	50.0	14.1	35.0
Methyl acetate	Ave	0.2237	0.2287		256	250	2.2	55.0
Allyl chloride	Lin1	0.3089	0.3635		53.1	50.0	6.1	35.0
Carbon disulfide	Ave	0.9526	1.096		57.5	50.0	15.1	20.0
Methyl tert-butyl ether	Ave	0.6613	0.6671		50.4	50.0	0.9	20.0
Hexane	Ave	1.456	1.689		58.0	50.0	16.0	35.0
Vinyl acetate	Ave	0.5809	0.6201		107	100	6.8	55.0
Cyclohexane	Ave	0.3638	0.4078		56.0	50.0	12.1	35.0
Tert-amyl methyl ether	Ave	0.6162	0.6395		259	250	3.8	35.0
Methyl methacrylate	Ave	0.0708	0.0751		106	100	6.1	35.0
Methylcyclohexane	Ave	0.3516	0.3825		54.4	50.0	8.8	35.0
Ethyl methacrylate	Ave	0.2771	0.2870		104	100	3.6	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1879	0.2531		67.4	50.0	34.7	55.0
trans-1,4-Dichloro-2-butene	Ave	0.2118	0.2237		52.8	50.0	5.6	55.0
Dibromofluoromethane (Surr)	Ave	0.3184	0.3007		47.2	50.0	-5.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2680	0.2666		49.7	50.0	-0.5	20.0
Toluene-d8 (Surr)	Ave	3.562	3.473		48.8	50.0	-2.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.997	1.016		51.0	50.0	2.0	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5640.D
Lab Smp Id: ICV
Inj Date : 04-APR-2012 10:56
Operator : HUBBSL Inst ID: G.i
Smp Info : ICV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 14:21 reinhardtj Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 59 Fluorobenzene	96	8.179	8.170	(1.000)	3550724	50.0000	
* 85 Chlorobenzene-d5	119	10.832	10.833	(1.000)	794038	50.0000	
* 110 1,4-Dichlorobenzene-d4	152	12.894	12.895	(1.000)	1094535	50.0000	
$ 49 Dibromofluoromethane (Surr)	111	7.587	7.588	(0.928)	1067515	47.2178	47.2178
$ 55 1,2-Dichloroethane-d4	65	7.893	7.894	(0.965)	946560	49.7428	49.7428
$ 73 Toluene-d8	98	9.530	9.531	(0.880)	2757374	48.7500	48.7500
$ 96 4-Bromofluorobenzene (Surr)	95	11.809	11.810	(0.916)	1112562	50.9760	50.9760
12 Dichlorofluoromethane	67	5.230	5.231	(0.639)	1537976	58.4215	58.4214
15 1,2-dichloro-1,1,2-trifluoro	117	5.516	5.507	(0.674)	767387	49.0803	49.0803
16 Ethyl Ether	59	5.516	5.517	(0.674)	620978	52.2542	52.2542
17 2,2-dichloro-1,1,1-trifluoro	83	5.545	5.546	(0.678)	1117441	53.1688	53.1688
19 Trichlorotrifluoroethane	151	5.792	5.793	(0.708)	661281	57.0408	57.0408
25 Methyl Acetate	43	6.029	6.020	(0.737)	4060101	255.592	255.592
26 Allyl Chloride	41	6.108	6.109	(0.747)	1290587	53.0501	53.0501(Q)
27 Carbon Disulfide	76	6.127	6.128	(0.749)	3892826	57.5437	57.5437
31 Methyl t-butyl ether	73	6.374	6.365	(0.779)	2368501	50.4316	50.4316
33 Hexane	57	6.611	6.612	(0.610)	1341368	58.0082	58.0082
34 Vinyl acetate	43	6.699	6.691	(0.819)	4403599	106.752	106.752
39 Ethyl Acetate	43	7.153	7.154	(0.875)	2360624	100.279	100.279
52 Cyclohexane	56	7.784	7.786	(0.952)	1447940	56.0495	56.0495
57 TAME	73	7.972	7.974	(0.975)	11352660	259.431	259.431
63 Methyl Methacrylate	100	8.623	8.624	(1.054)	533363	106.133	106.133

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
64 Methyl Cyclohexane	83	8.712	8.713	(1.065)	1358271	54.4054	54.4054
69 2-Chloroethyl vinyl ether	63	9.037	9.038	(1.105)	508736	57.1541	57.1541
75 Ethyl methacrylate	69	9.688	9.689	(1.185)	2037795	103.567	103.567
94 cis-1,4-Dichloro-2-butene	53	11.661	11.662	(0.904)	277072	67.3612	67.3612
98 t-1,4-Dichloro-2-butene	53	11.907	11.909	(0.924)	244828	52.8007	52.8007
112 1,2,3-Trimethylbenzene	105	12.933	12.934	(1.003)	3020710	53.7249	53.7249

QC Flag Legend

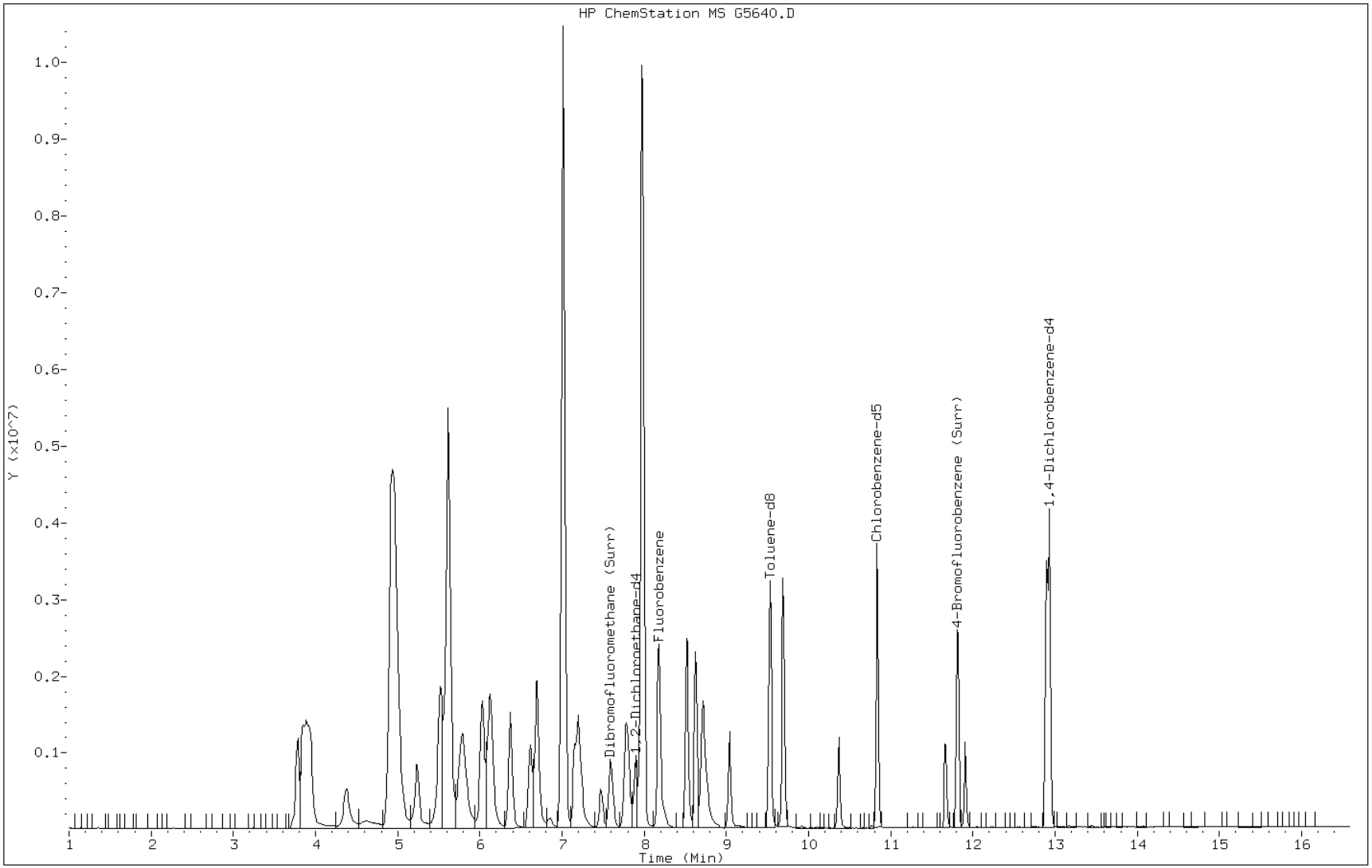
Q - Qualifier signal failed the ratio test.

Data File: G5640.D

Date: 04-APR-2012 10:56

Client ID: Instrument: G.i

Sample Info: ICV,,S Operator: HUBBSL



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-112965/9 Calibration Date: 03/23/2012 16:39

Instrument ID: MSV_G2 Calib Start Date: 03/23/2012 14:26

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/23/2012 16:19

Lab File ID: G2_4866.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.6617	0.7150		54.0	50.0	8.0	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.4919	0.5382		54.7	50.0	9.4	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2590	0.2948		56.9	50.0	13.8	35.0
Isopropyl alcohol	Ave	0.0301	0.0301		1000	1000	-0.0	50.0
Methyl acetate	Ave	0.2729	0.2714		249	250	-0.6	55.0
Allyl chloride	Ave	0.5515	0.6053		54.9	50.0	9.8	35.0
Carbon disulfide	Ave	1.269	1.445		56.9	50.0	13.9	20.0
Methyl tert-butyl ether	Ave	1.046	1.093		52.2	50.0	4.5	20.0
Hexane	Ave	0.5419	0.5823		53.7	50.0	7.5	35.0
Vinyl acetate	Ave	0.6467	0.6553		101	100	1.3	55.0
Tert-butyl ethyl ether	Ave	1.051	1.092		260	250	3.9	35.0
2-Butanol	Ave	0.0419	0.0405		1460	1510	-3.4	50.0
Tetrahydrofuran	Ave	0.1149	0.1141		99.2	100	-0.8	55.0
Cyclohexane	Ave	0.6699	0.7240		54.0	50.0	8.1	35.0
Tert-amyl methyl ether	Ave	0.9620	0.9768		254	250	1.5	35.0
2-Pentanone	Ave	0.2522	0.3040		241	200	20.6	35.0
Methyl methacrylate	Ave	0.0809	0.0835		103	100	3.2	35.0
Methylcyclohexane	Ave	0.6718	0.7191		53.5	50.0	7.1	35.0
Ethyl methacrylate	Ave	1.547	1.618		105	100	4.5	35.0
cis-1,4-Dichloro-2-butene	Ave	0.3600	0.4365		60.6	50.0	21.2	55.0
trans-1,4-Dichloro-2-butene	Ave	0.2466	0.2586		52.4	50.0	4.9	55.0
Dibromofluoromethane (Surr)	Ave	0.3038	0.3001		49.4	50.0	-1.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3498	0.3427		49.0	50.0	-2.0	20.0
Toluene-d8 (Surr)	Ave	4.608	4.738		51.4	50.0	2.8	20.0
4-Bromofluorobenzene (Surr)	Ave	1.014	1.046		51.6	50.0	3.1	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\G2_4866.D
Lab Smp Id: ICV
Inj Date : 23-MAR-2012 16:39
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : ICV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\8260B-soil.m
Meth Date : 26-Mar-2012 13:23 GCMS2.i Quant Type: ISTD
Cal Date : 23-MAR-2012 16:19 Cal File: G2_4865.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-EO&114.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	1586195	50.0000	
* 87 Chlorobenzene-d5	119	10.012	10.012	(1.000)	386270	50.0000	
* 112 1,4-Dichlorobenzene-d4	152	11.864	11.864	(1.000)	609896	50.0000	
$ 51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	476074	49.3918	49.3918
$ 57 1,2-Dichloroethane-d4	65	7.481	7.481	(0.966)	543515	48.9762	48.9762
$ 75 Toluene-d8	98	8.925	8.932	(0.891)	1830071	51.4069	51.4069
$ 98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.917)	637759	51.5527	51.5526
14 Dichlorofluoromethane	67	4.967	4.967	(0.641)	1134085	54.0215	54.0215
17 1,2-dichloro-1,1,2-trifluoro	117	5.219	5.233	(0.674)	528705	51.7575	51.7575
18 Ethyl Ether	59	5.344	5.330	(0.690)	235259	50.6713	50.6713
19 2,2-dichloro-1,1,1-trifluoro	83	5.261	5.261	(0.679)	853715	54.7035	54.7035
22 2-Propanol	45	5.498	5.512	(0.710)	954942	999.523	999.523
23 Trichlorotrifluoroethane	151	5.498	5.498	(0.710)	467592	56.9029	56.9029
27 Methyl Acetate	43	5.721	5.721	(0.739)	2152309	248.613	248.613
28 Allyl Chloride	41	5.777	5.777	(0.746)	960149	54.8791	54.8791
29 Carbon Disulfide	76	5.805	5.805	(0.750)	2292528	56.9478	56.9478
33 Methyl t-butyl ether	73	6.072	6.072	(0.784)	1733982	52.2409	52.2409
35 Hexane	57	6.279	6.279	(0.811)	923678	53.7291	53.7291
36 Vinyl acetate	43	6.358	6.358	(0.821)	2078742	101.317	101.317
40 ETBE	59	6.665	6.665	(0.861)	8662550	259.740	259.740
41 Ethyl Acetate	43	6.787	6.787	(0.876)	1222288	97.3550	97.3550
43 2-Butanol	45	6.837	6.837	(0.883)	1936432	1455.26	1455.26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
50 Tetrahydrofuran	42	7.087	7.094	(0.915)	361821	99.2388	99.2388
54 Cyclohexane	56	7.373	7.373	(0.952)	1148327	54.0303	54.0303
59 TAME	73	7.559	7.566	(0.976)	7746646	253.846	253.846
64 2-Pentanone	43	8.053	8.060	(1.040)	1929092	241.137	241.137
65 Methyl Methacrylate	100	8.153	8.153	(1.053)	264963	103.197	103.197
67 Methyl Cyclohexane	83	8.238	8.238	(1.064)	1140697	53.5273	53.5273
71 2-nitropropane	41	8.510	8.510	(1.099)	113151	48.6857	48.6857
72 2-Chloroethyl vinyl ether	63	8.510	8.517	(1.099)	252981	45.1249	45.1249
77 Ethyl methacrylate	69	9.054	9.054	(0.904)	1249691	104.535	104.535
96 cis-1,4-Dichloro-2-butene	53	10.748	10.748	(1.074)	168618	60.6223	60.6223(QH)
100 t-1,4-Dichloro-2-butene	53	10.963	10.963	(0.924)	157716	52.4418	52.4418
114 1,2,3-Trimethylbenzene	105	11.892	11.892	(1.002)	2060931	53.5426	53.5426
122 Tetralin	104	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_4866.D

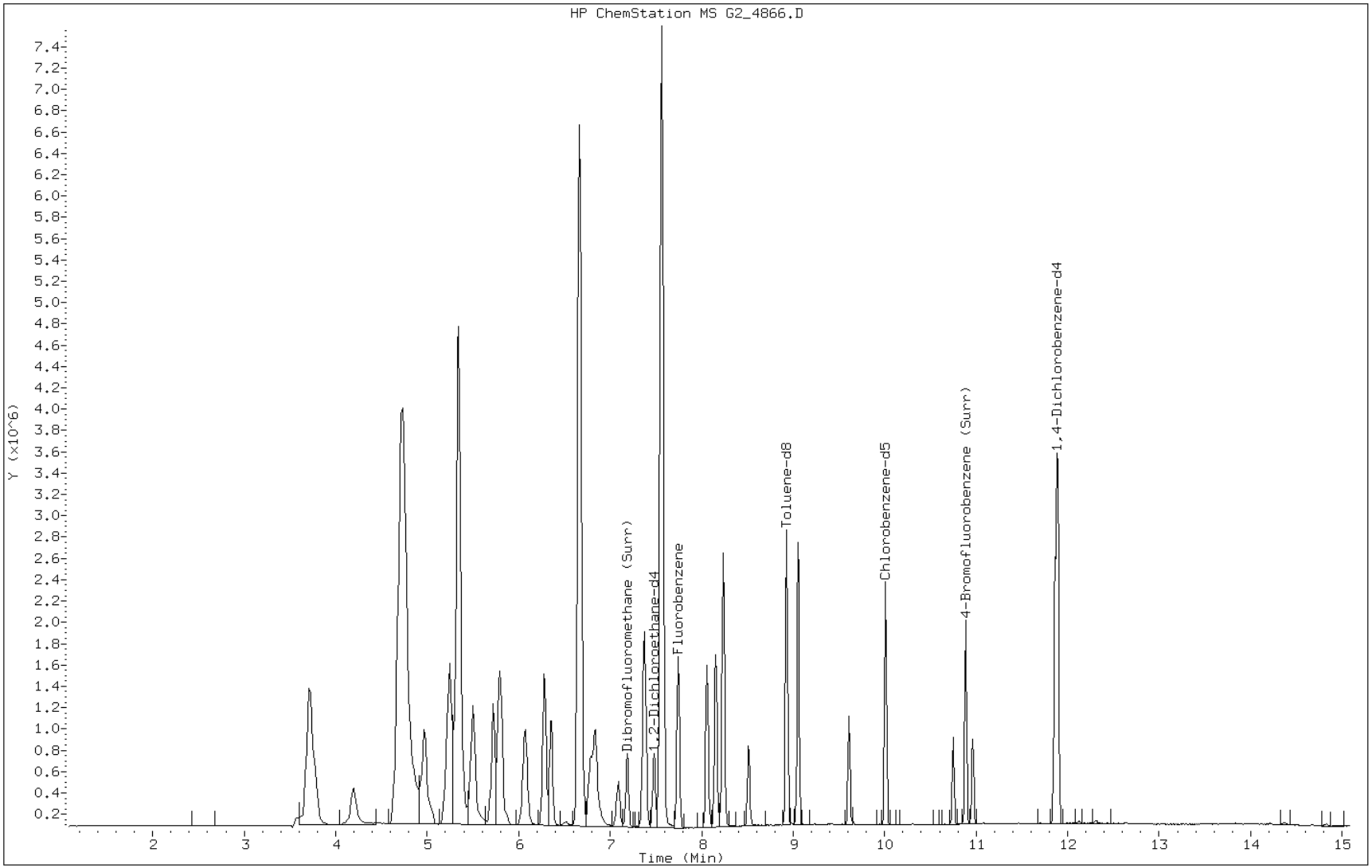
Date: 23-MAR-2012 16:39

Client ID:

Instrument: GCMS2.i

Sample Info: ICV,,S

Operator: REINHARDT



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-112941/10 Calibration Date: 03/24/2012 00:06

Instrument ID: MSV_G2 Calib Start Date: 03/23/2012 20:56

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/23/2012 23:47

Lab File ID: G2_4876.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Lin1	0.0037	0.0033		881	1000	-11.9	50.0
2-Chloro-1,3-butadiene	Ave	0.4876	0.5136		52.7	50.0	5.3	35.0
Propionitrile	Ave	0.0418	0.0447		535	500	7.0	35.0
Methacrylonitrile	Ave	0.1654	0.1776		537	500	7.4	50.0
Isobutyl alcohol	Ave	0.0113	0.0118		1040	1000	4.4	50.0
1,4-Dioxane	Ave	0.0030	0.0030		986	1000	-1.4	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4876.D
Lab Smp Id: ICV
Inj Date : 24-MAR-2012 00:06
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : ICV,,B
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\8260B-soil.m
Meth Date : 24-Mar-2012 00:29 jablonskik Quant Type: ISTD
Cal Date : 23-MAR-2012 23:47 Cal File: G2_4875.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICVMB.sub
Target Version: 4.14
Processing Host: DENPC367

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)	
* 61 Fluorobenzene	96	7.745	7.738	(1.000)	1619415	50.0000		
* 87 Chlorobenzene-d5	119	10.005	10.005	(1.000)	404281	50.0000		
* 112 1,4-Dichlorobenzene-d4	152	11.849	11.849	(1.000)	653528	50.0000		(Q)
16 Ethanol	45	5.135	5.163	(0.663)	107028	880.860	880.860	
39 Chloroprene	53	6.494	6.487	(0.838)	831752	52.6712	52.6712	
44 Propionitrile	54	6.844	6.837	(0.884)	724014	534.855	534.855	
47 Methacrylonitrile	41	6.973	6.973	(0.900)	2876490	536.978	536.978	
52 Isobutanol	41	7.252	7.252	(0.936)	383004	1044.21	1044.21	
68 1,4-Dioxane	88	8.260	8.260	(1.066)	95679	986.469	986.469	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: G2_4876.D

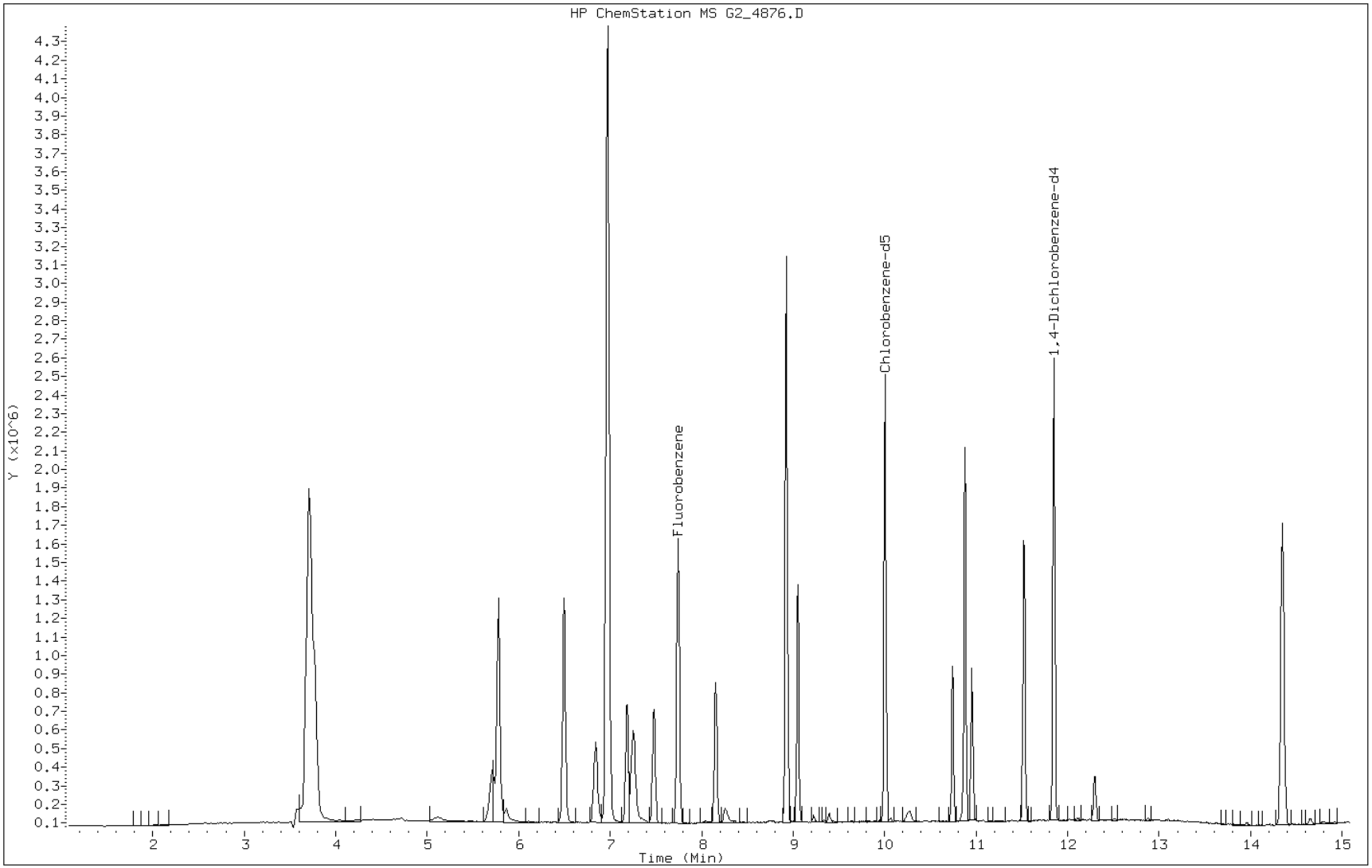
Date: 24-MAR-2012 00:06

Client ID:

Instrument: GCMS2.i

Sample Info: ICV,,B

Operator: JABLONSKIK



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-112963/2 Calibration Date: 03/24/2012 14:00

Instrument ID: MSV_G2 Calib Start Date: 03/23/2012 20:56

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/23/2012 23:47

Lab File ID: G2_4892.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3331	0.3028		90.9	100	-9.1	20.0
Xylenes, Total	Ave	2.353	2.067		132	150	-12.2	35.0
Dichlorodifluoromethane	Lin1	0.3435	0.3188		41.1	50.0	-17.8	20.0
Chloromethane	Ave	0.3316	0.3154		47.6	50.0	-4.9	20.0
Vinyl chloride	Ave	0.3909	0.3427		43.8	50.0	-12.3	20.0
Bromomethane	Ave	0.2622	0.2518		48.0	50.0	-4.0	20.0
Chloroethane	Ave	0.2552	0.2333		45.7	50.0	-8.6	20.0
Trichlorofluoromethane	Ave	0.4890	0.4502		46.0	50.0	-7.9	20.0
Acrolein	Ave	0.0537	0.0490		456	500	-8.8	55.0
Acetone	Ave	0.1006	0.1117		222	200	11.1	20.0
1,1-Dichloroethene	Ave	0.3021	0.2812		46.5	50.0	-7.0	20.0
Iodomethane	Ave	0.4508	0.4235		47.0	50.0	-6.0	35.0
Methylene Chloride	Lin1	0.3848	0.3129		45.3	50.0	-9.3	20.0
Acrylonitrile	Ave	0.1093	0.1131		517	500	3.5	55.0
trans-1,2-Dichloroethene	Ave	0.3247	0.2943		45.3	50.0	-9.4	20.0
1,1-Dichloroethane	Ave	0.5767	0.5224		45.3	50.0	-9.4	20.0
2-Butanone (MEK)	Ave	0.1401	0.1561		223	200	11.4	20.0
cis-1,2-Dichloroethene	Ave	0.3414	0.3113		45.6	50.0	-8.8	20.0
2,2-Dichloropropane	Ave	0.4986	0.4473		44.8	50.0	-10.3	20.0
Chlorobromomethane	Ave	0.1527	0.1382		45.3	50.0	-9.5	20.0
Chloroform	Ave	0.5134	0.4717		45.9	50.0	-8.1	20.0
1,1,1-Trichloroethane	Ave	0.4711	0.4187		44.4	50.0	-11.1	20.0
1,1-Dichloropropene	Ave	0.4465	0.4044		45.3	50.0	-9.4	20.0
Carbon tetrachloride	Ave	0.3561	0.3357		47.1	50.0	-5.7	20.0
1,2-Dichloroethane	Ave	0.3615	0.3577		49.5	50.0	-1.0	20.0
Benzene	Ave	1.245	1.133		45.5	50.0	-9.0	20.0
Trichloroethene	Ave	0.3051	0.2781		45.6	50.0	-8.8	20.0
1,2-Dichloropropane	Ave	0.3069	0.2788		45.4	50.0	-9.2	20.0
Dibromomethane	Ave	0.1603	0.1504		46.9	50.0	-6.2	20.0
Dichlorobromomethane	Ave	0.3233	0.3134		48.5	50.0	-3.1	20.0
cis-1,3-Dichloropropene	Ave	0.4253	0.4017		47.2	50.0	-5.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2938	0.3306		225	200	12.5	20.0
Toluene	Ave	1.270	1.151		45.3	50.0	-9.4	20.0
trans-1,3-Dichloropropene	Ave	0.3617	0.3495		48.3	50.0	-3.4	20.0
1,1,2-Trichloroethane	Ave	0.2152	0.1983		46.1	50.0	-7.9	20.0
2-Hexanone	Ave	0.7937	0.8928		225	200	12.5	20.0
1,3-Dichloropropane	Ave	1.547	1.440		46.5	50.0	-7.0	20.0
Tetrachloroethene	Ave	0.9286	0.8379		45.1	50.0	-9.8	20.0
Chlorodibromomethane	Ave	0.8176	0.8150		49.8	50.0	-0.3	20.0
Ethylene Dibromide	Ave	0.8484	0.8039		47.4	50.0	-5.2	20.0
1-Chlorohexane	Ave	1.757	1.481		42.1	50.0	-15.7	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-112963/2 Calibration Date: 03/24/2012 14:00

Instrument ID: MSV_G2 Calib Start Date: 03/23/2012 20:56

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/23/2012 23:47

Lab File ID: G2_4892.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	3.207	2.871		44.8	50.0	-10.5	20.0
1,1,1,2-Tetrachloroethane	Ave	1.032	0.9876		47.8	50.0	-4.3	20.0
Ethylbenzene	Ave	1.858	1.681		45.2	50.0	-9.6	20.0
m-Xylene & p-Xylene	Ave	2.342	2.062		88.1	100	-11.9	20.0
o-Xylene	Ave	2.376	2.076		43.7	50.0	-12.6	20.0
Styrene	Ave	3.567	3.241		45.4	50.0	-9.1	20.0
Bromoform	Lin1	0.4256	0.4548		46.2	50.0	-7.7	20.0
Isopropylbenzene	Ave	3.867	3.591		46.4	50.0	-7.1	20.0
Cyclohexanone	Ave	0.0577	0.0791		1710	1250	37.0*	35.0
1,1,2,2-Tetrachloroethane	Ave	0.7946	0.7573		47.7	50.0	-4.7	20.0
1,2,3-Trichloropropane	Ave	0.2218	0.2115		47.7	50.0	-4.6	20.0
Bromobenzene	Ave	0.8140	0.7329		45.0	50.0	-10.0	20.0
N-Propylbenzene	Ave	1.080	0.9731		45.0	50.0	-9.9	20.0
1,3,5-Trimethylbenzene	Ave	3.152	2.915		46.2	50.0	-7.5	20.0
2-Chlorotoluene	Ave	0.9005	0.8167		45.3	50.0	-9.3	20.0
4-Chlorotoluene	Ave	0.8660	0.7921		45.7	50.0	-8.5	20.0
tert-Butylbenzene	Ave	3.035	2.829		46.6	50.0	-6.8	20.0
1,2,4-Trimethylbenzene	Ave	3.210	2.928		45.6	50.0	-8.8	20.0
sec-Butylbenzene	Ave	4.195	3.913		46.6	50.0	-6.7	20.0
4-Isopropyltoluene	Ave	3.527	3.196		45.3	50.0	-9.4	20.0
1,3-Dichlorobenzene	Ave	1.638	1.470		44.9	50.0	-10.3	20.0
1,4-Dichlorobenzene	Ave	1.651	1.494		45.2	50.0	-9.5	20.0
n-Butylbenzene	Ave	3.454	3.167		45.8	50.0	-8.3	20.0
1,2-Dichlorobenzene	Ave	1.585	1.436		45.3	50.0	-9.4	20.0
1,2-Dibromo-3-Chloropropane	Lin	0.1477	0.1518		46.1	50.0	-7.8	20.0
1,2,4-Trichlorobenzene	Ave	1.191	1.075		45.1	50.0	-9.7	20.0
Hexachlorobutadiene	Ave	0.5264	0.4742		45.0	50.0	-9.9	20.0
Naphthalene	Ave	3.091	2.813		45.5	50.0	-9.0	20.0
1,2,3-Trichlorobenzene	Ave	1.109	0.9760		44.0	50.0	-12.0	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032412.b\G2_4892.D
Lab Smp Id: ICV
Inj Date : 24-MAR-2012 14:00
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : ICV,,A 524-1 R6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032412.b\8260B-soil.m
Meth Date : 24-Mar-2012 17:18 jablonskik Quant Type: ISTD
Cal Date : 23-MAR-2012 23:47 Cal File: G2_4875.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICVMA.sub
Target Version: 4.14
Processing Host: DENPC232

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)	
*	61 Fluorobenzene	96	7.745	7.745	(1.000)	1887939	50.0000		
*	87 Chlorobenzene-d5	119	10.012	10.005	(1.000)	467306	50.0000		
*	112 1,4-Dichlorobenzene-d4	152	11.864	11.856	(1.000)	722442	50.0000		(Q)
M	1 1,2-Dichloroethene (total)	96				1143199	90.8919	90.8919	
M	2 Xylene (total)	106				2897695	131.749	131.749	
M	3 1,3-Dichloropropane (total)	75				1418232	95.5301	95.5301	
M	4 Trihalomethanes (total)	83				2075471	190.404	190.404	
	5 Chlorotrifluoroethene	116	3.976	3.962	(0.513)	281071	54.6028	54.6028	
	6 dichlorodifluoromethane	85	4.032	4.031	(0.521)	601843	41.1238	41.1238	
	8 Chloromethane	50	4.241	4.241	(0.548)	595462	47.5543	47.5543	
	10 2-Chloro-1,1,1-trifluoroetha	118	4.437	4.423	(0.573)	769680	53.1418	53.1418	
	9 Vinyl Chloride	62	4.395	4.394	(0.567)	646976	43.8327	43.8327	
	12 Bromomethane	94	4.758	4.758	(0.614)	475401	48.0184	48.0184	
	13 Chloroethane	64	4.828	4.841	(0.623)	440362	45.6969	45.6969	
	15 Trichlorofluoromethane	101	5.107	5.107	(0.659)	849977	46.0384	46.0384	
	20 Acrolein	56	5.386	5.386	(0.695)	924860	456.123	456.123	
	21 Acetone	43	5.484	5.484	(0.708)	843583	222.119	222.119	
	24 1,1-Dichloroethene	96	5.526	5.526	(0.713)	530786	46.5248	46.5248	
	25 Iodomethane	142	5.707	5.707	(0.737)	799556	46.9758	46.9758	
	31 Methylene Chloride	84	5.875	5.875	(0.759)	590801	45.3442	45.3442	
	32 Acrylonitrile	53	6.022	6.022	(0.778)	2135186	517.472	517.472	
	34 trans-1,2-Dichloroethene	96	6.108	6.107	(0.789)	555578	45.3122	45.3122	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
38	1,1-Dichloroethane	63	6.422	6.422	(0.829)	986236	45.2872	45.2872
42	2-Butanone	43	6.794	6.794	(0.877)	1178836	222.865	222.864
45	cis-1,2-Dichloroethene	96	6.851	6.858	(0.885)	587621	45.5797	45.5797
46	2,2-Dichloropropane	77	6.894	6.894	(0.890)	844416	44.8484	44.8484
48	Bromochloromethane	128	7.052	7.051	(0.910)	260992	45.2661	45.2661
49	Chloroform	83	7.059	7.066	(0.911)	890500	45.9335	45.9335
53	1,1,1-Trichloroethane	97	7.295	7.294	(0.942)	790437	44.4358	44.4358
55	1,1-Dichloropropene	75	7.395	7.394	(0.955)	763492	45.2861	45.2861
56	Carbon Tetrachloride	117	7.438	7.437	(0.960)	633754	47.1342	47.1342
60	Benzene	78	7.573	7.573	(0.978)	2139464	45.4989	45.4989
58	1,2-Dichloroethane	62	7.538	7.545	(0.973)	675393	49.4761	49.4761
63	Trichloroethene	95	8.038	8.038	(1.038)	524985	45.5782	45.5782
66	1,2-Dichloropropane	63	8.210	8.217	(1.060)	526292	45.4142	45.4142
69	Dibromomethane	93	8.310	8.310	(1.073)	283865	46.8852	46.8852
70	Bromodichloromethane	83	8.381	8.381	(1.082)	591578	48.4559	48.4559
73	cis-1,3-Dichloropropene	75	8.696	8.696	(1.123)	758447	47.2251	47.2251
74	4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	2496853	225.088	225.088
76	Toluene	91	8.982	8.982	(1.160)	2172742	45.3132	45.3132
78	trans-1,3-Dichloropropene	75	9.068	9.068	(1.171)	659785	48.3050	48.3050
80	1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	374357	46.0723	46.0723
83	Tetrachloroethene	164	9.404	9.404	(0.939)	391545	45.1157	45.1157
82	1,3-Dichloropropane	76	9.361	9.361	(0.935)	672803	46.5221	46.5221
81	2-Hexanone	43	9.340	9.339	(0.933)	1668793	224.964	224.964
84	Dibromochloromethane	129	9.561	9.561	(0.955)	380873	49.8446	49.8446
85	1,2-Dibromoethane	107	9.690	9.683	(0.968)	375676	47.3784	47.3784
86	1-Chlorohexane	91	9.919	9.919	(0.991)	692121	42.1488	42.1488
88	Chlorobenzene	112	10.033	10.033	(1.002)	1341558	44.7635	44.7635
89	1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	461531	47.8313	47.8313
90	Ethylbenzene	106	10.076	10.069	(1.006)	785344	45.2158	45.2158
91	m and p-Xylene	106	10.148	10.147	(1.014)	1927595	88.0555	88.0555
92	o-Xylene	106	10.469	10.469	(1.046)	970100	43.6935	43.6934
93	Styrene	104	10.469	10.462	(1.046)	1514660	45.4311	45.4311
94	Bromoform	173	10.670	10.669	(1.066)	212520	46.1698	46.1698
95	isopropyl benzene	105	10.734	10.734	(0.905)	2594248	46.4342	46.4342
97	Cyclohexanone	55	10.855	10.848	(1.084)	923757	1712.93	1712.93
99	1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.921)	547105	47.6555	47.6555
102	Bromobenzene	156	11.056	11.055	(0.932)	529477	45.0166	45.0166
101	1,2,3-Trichloropropane	110	10.998	10.998	(0.927)	152797	47.6878	47.6878
103	n-Propylbenzene	120	11.056	11.055	(0.932)	703021	45.0443	45.0443
105	2-Chlorotoluene	126	11.177	11.177	(0.942)	589983	45.3454	45.3454
104	1,3,5-Trimethylbenzene	105	11.170	11.163	(0.942)	2106254	46.2471	46.2471
106	4-Chlorotoluene	126	11.256	11.256	(0.949)	572261	45.7322	45.7322
107	tert-Butylbenzene	119	11.470	11.463	(0.967)	2043927	46.6057	46.6057
108	1,2,4-Trimethylbenzene	105	11.499	11.492	(0.969)	2115006	45.5944	45.5944
109	sec-Butylbenzene	105	11.649	11.649	(0.982)	2826617	46.6316	46.6316
111	1,3-Dichlorobenzene	146	11.814	11.813	(0.996)	1061850	44.8597	44.8596
110	4-Isopropyltoluene	119	11.742	11.742	(0.990)	2309118	45.3067	45.3067
113	1,4-dichlorobenzene	146	11.885	11.878	(1.002)	1079215	45.2423	45.2423
115	n-Butylbenzene	91	12.114	12.106	(1.021)	2287628	45.8425	45.8425
116	1,2-Dichlorobenzene	146	12.250	12.242	(1.033)	1037501	45.3100	45.3100
117	1,2-Dibromo-3-chloropropane	157	12.993	12.993	(1.095)	109631	46.1192	46.1192
118	1,2,4-Trichlorobenzene	180	13.973	13.966	(1.178)	776405	45.1363	45.1363
119	Hexachlorobutadiene	225	14.130	14.123	(1.191)	342613	45.0486	45.0486
120	Naphthalene	128	14.338	14.330	(1.209)	2032043	45.4937	45.4937

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
121 1,2,3-Trichlorobenzene	180	14.667	14.659	(1.236)	705068	44.0156	44.0156

QC Flag Legend

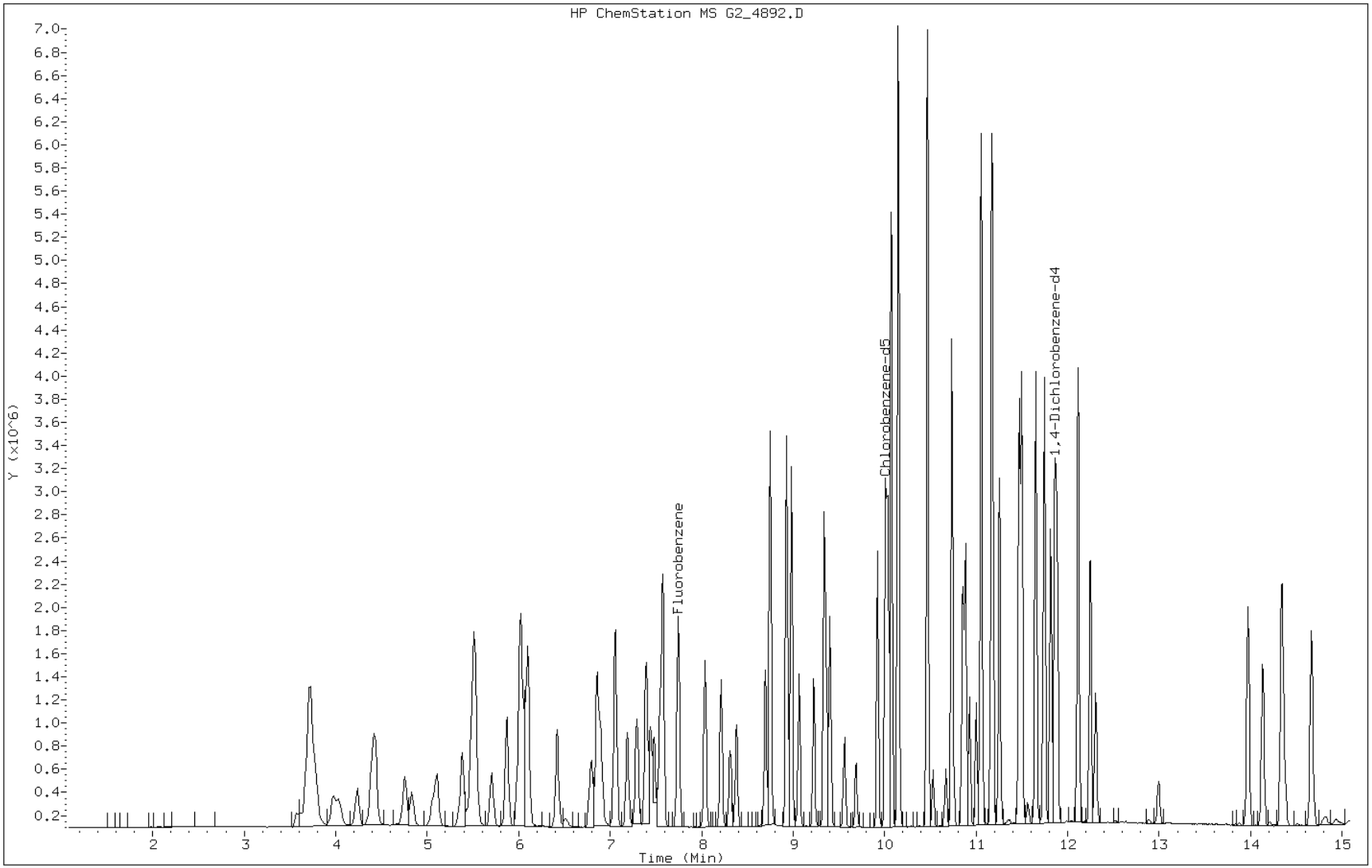
Q - Qualifier signal failed the ratio test.

Data File: G2_4892.D

Date: 24-MAR-2012 14:00

Client ID: Instrument: GCMS2.i

Sample Info: ICV,,A 524-1 R6 Operator: JABLONSKIK



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114709/2 Calibration Date: 04/06/2012 06:55

Instrument ID: MSV_G2 Calib Start Date: 03/23/2012 20:56

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/23/2012 23:47

Lab File ID: G2_5381.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3331	0.3116		93.5	100	-6.5	20.0
Xylenes, Total	Ave	2.353	2.435		155	150	3.5	35.0
Dichlorodifluoromethane	Lin1	0.3435	0.3356		43.2	50.0	-13.7	20.0
Chloromethane	Ave	0.3316	0.3123		47.1	50.0	-5.8	20.0
Vinyl chloride	Ave	0.3909	0.3782		48.4	50.0	-3.3	20.0
Bromomethane	Ave	0.2622	0.2694		51.4	50.0	2.7	20.0
Chloroethane	Ave	0.2552	0.2378		46.6	50.0	-6.8	20.0
Trichlorofluoromethane	Ave	0.4890	0.4758		48.7	50.0	-2.7	20.0
Ethanol	Lin1	0.0037	0.0034		2190	2500	-12.4	50.0
Acrolein	Ave	0.0537	0.0508		471	497	-5.3	50.0
Acetone	Ave	0.1006	0.0974		194	200	-3.2	20.0
1,1-Dichloroethene	Ave	0.3021	0.2816		46.6	50.0	-6.8	20.0
Acetonitrile	Ave	0.0368	0.0374		509	500	1.9	50.0
Iodomethane	Ave	0.4508	0.4456		49.4	50.0	-1.1	35.0
2-Methyl-2-propanol	Ave	0.0360	0.0356		988	1000	-1.2	50.0
Methylene Chloride	Lin1	0.3848	0.3258		47.3	50.0	-5.3	20.0
Acrylonitrile	Ave	0.1093	0.1067		488	500	-2.4	50.0
trans-1,2-Dichloroethene	Ave	0.3247	0.3007		46.3	50.0	-7.4	20.0
1,1-Dichloroethane	Ave	0.5767	0.5285		45.8	50.0	-8.4	20.0
2-Chloro-1,3-butadiene	Ave	0.4876	0.4464		45.8	50.0	-8.4	35.0
2-Butanone (MEK)	Ave	0.1401	0.1366		195	200	-2.5	20.0
Propionitrile	Ave	0.0418	0.0412		493	500	-1.4	50.0
cis-1,2-Dichloroethene	Ave	0.3414	0.3225		47.2	50.0	-5.6	20.0
2,2-Dichloropropane	Ave	0.4986	0.4027		40.4	50.0	-19.2	20.0
Methacrylonitrile	Ave	0.1654	0.1614		488	500	-2.4	50.0
Chlorobromomethane	Ave	0.1527	0.1529		50.1	50.0	0.1	20.0
Chloroform	Ave	0.5134	0.4931		48.0	50.0	-4.0	20.0
Isobutyl alcohol	Ave	0.0113	0.0112		985	1000	-1.5	50.0
1,1,1-Trichloroethane	Ave	0.4711	0.4230		44.9	50.0	-10.2	20.0
1,1-Dichloropropene	Ave	0.4465	0.4150		46.5	50.0	-7.1	20.0
Carbon tetrachloride	Ave	0.3561	0.3323		46.7	50.0	-6.7	20.0
1,2-Dichloroethane	Ave	0.3615	0.3640		50.3	50.0	0.7	20.0
Benzene	Ave	1.245	1.145		46.0	50.0	-8.0	20.0
Trichloroethene	Ave	0.3051	0.2898		47.5	50.0	-5.0	20.0
1,2-Dichloropropane	Ave	0.3069	0.2789		45.4	50.0	-9.1	20.0
1,4-Dioxane	Ave	0.0030	0.0031		2570	2500	3.0	50.0
Dibromomethane	Ave	0.1603	0.1609		50.2	50.0	0.3	20.0
Dichlorobromomethane	Ave	0.3233	0.3260		50.4	50.0	0.8	20.0
cis-1,3-Dichloropropene	Ave	0.4253	0.3986		46.9	50.0	-6.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2938	0.2803		191	200	-4.6	20.0
Toluene	Ave	1.270	1.167		46.0	50.0	-8.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114709/2 Calibration Date: 04/06/2012 06:55

Instrument ID: MSV_G2 Calib Start Date: 03/23/2012 20:56

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/23/2012 23:47

Lab File ID: G2_5381.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.3617	0.3349		46.3	50.0	-7.4	20.0
1,1,2-Trichloroethane	Ave	0.2152	0.2088		48.5	50.0	-3.0	20.0
2-Hexanone	Ave	0.7937	0.8747		220	200	10.2	20.0
1,3-Dichloropropane	Ave	1.547	1.741		56.3	50.0	12.5	20.0
Tetrachloroethene	Ave	0.9286	1.032		55.6	50.0	11.1	20.0
Chlorodibromomethane	Ave	0.8176	0.9804		60.0	50.0	19.9	20.0
Ethylene Dibromide	Ave	0.8484	0.9864		58.1	50.0	16.3	20.0
1-Chlorohexane	Ave	1.757	1.814		51.6	49.9	3.3	35.0
Chlorobenzene	Ave	3.207	3.448		53.8	50.0	7.5	20.0
1,1,1,2-Tetrachloroethane	Ave	1.032	1.179		57.1	50.0	14.2	20.0
Ethylbenzene	Ave	1.858	1.956		52.6	50.0	5.2	20.0
m-Xylene & p-Xylene	Ave	2.342	2.425		104	100	3.5	20.0
Styrene	Ave	3.567	3.789		53.1	50.0	6.2	20.0
o-Xylene	Ave	2.376	2.455		51.7	50.0	3.4	20.0
Bromoform	Lin1	0.4256	0.5483		55.4	50.0	10.8	20.0
Isopropylbenzene	Ave	3.867	4.130		53.4	50.0	6.8	20.0
Cyclohexanone	Ave	0.0577	0.0771		2670	2000	33.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7946	0.8914		56.1	50.0	12.2	20.0
1,2,3-Trichloropropane	Ave	0.2218	0.2565		57.8	50.0	15.7	20.0
Bromobenzene	Ave	0.8140	0.8994		55.2	50.0	10.5	20.0
N-Propylbenzene	Ave	1.080	1.140		52.8	50.0	5.5	20.0
1,3,5-Trimethylbenzene	Ave	3.152	3.354		53.2	50.0	6.4	20.0
2-Chlorotoluene	Ave	0.9005	0.9708		53.9	50.0	7.8	20.0
4-Chlorotoluene	Ave	0.8660	0.9381		54.2	50.0	8.3	20.0
tert-Butylbenzene	Ave	3.035	3.364		55.4	50.0	10.8	20.0
1,2,4-Trimethylbenzene	Ave	3.210	3.437		53.5	50.0	7.1	20.0
sec-Butylbenzene	Ave	4.195	4.540		54.1	50.0	8.2	20.0
4-Isopropyltoluene	Ave	3.527	3.804		53.9	50.0	7.8	20.0
1,3-Dichlorobenzene	Ave	1.638	1.772		54.1	50.0	8.1	20.0
1,4-Dichlorobenzene	Ave	1.651	1.786		54.1	50.0	8.2	20.0
n-Butylbenzene	Ave	3.454	3.591		52.0	50.0	4.0	20.0
1,2-Dichlorobenzene	Ave	1.585	1.743		55.0	50.0	10.0	20.0
1,2-Dibromo-3-Chloropropane	Lin	0.1477	0.1834		55.3	50.0	10.5	20.0
1,2,4-Trichlorobenzene	Ave	1.191	1.319		55.4	50.0	10.8	20.0
Hexachlorobutadiene	Ave	0.5264	0.5791		55.0	50.0	10.0	20.0
Naphthalene	Ave	3.091	3.407		55.1	50.0	10.2	20.0
1,2,3-Trichlorobenzene	Ave	1.109	1.262		56.9	50.0	13.9	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5381.D
Lab Smp Id: CCV
Inj Date : 06-APR-2012 06:55
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : CCV,,M13G9
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\8260B-soil.m
Meth Date : 06-Apr-2012 11:56 GCMS2.i Quant Type: ISTD
Cal Date : 24-MAR-2012 03:16 Cal File: G2_4886.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC252

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	2136454	50.0000	
* 87 Chlorobenzene-d5	119	10.012	10.012	(1.000)	460514	50.0000	
* 112 1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	720395	50.0000	
M 1 1,2-Dichloroethene (total)	96				1331339	100.000	93.5213
M 2 Xylene (total)	106				3364081	150.000	155.207
M 3 1,3-Dichloropropane (total)	75				1566974	100.000	93.1410
M 4 Trihalomethanes (total)	83				2453918	200.000	213.790
6 dichlorodifluoromethane	85	4.032	4.032	(0.521)	717064	50.0000	43.1563
8 Chloromethane	50	4.241	4.241	(0.548)	667196	50.0000	47.0851
9 Vinyl Chloride	62	4.395	4.395	(0.567)	807945	50.0000	48.3711
12 Bromomethane	94	4.758	4.758	(0.614)	575510	50.0000	51.3683
13 Chloroethane	64	4.828	4.828	(0.623)	508021	50.0000	46.5858
15 Trichlorofluoromethane	101	5.107	5.107	(0.659)	1016429	50.0000	48.6502
16 Ethanol	45	5.149	5.149	(0.665)	358818	2500.00	2188.80
24 1,1-Dichloroethene	96	5.526	5.526	(0.713)	601685	50.0000	46.6046
20 Acrolein	56	5.386	5.386	(0.695)	1080298	500.000	470.808
21 Acetone	43	5.484	5.484	(0.708)	832307	200.000	193.658
25 Iodomethane	142	5.707	5.707	(0.737)	952067	50.0000	49.4296
26 Acetonitrile	41	5.707	5.707	(0.737)	799952	500.000	509.400
31 Methylene Chloride	84	5.875	5.875	(0.759)	696057	50.0000	47.3281
30 tert-Butyl alcohol	59	5.833	5.833	(0.753)	1520770	1000.00	988.425(Q)
32 Acrylonitrile	53	6.022	6.022	(0.778)	2278669	500.000	488.008

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
34 trans-1,2-Dichloroethene	96	6.108	6.108	(0.789)	642385	50.0000	46.2978
38 1,1-Dichloroethane	63	6.422	6.422	(0.829)	1129140	50.0000	45.8181
37 Isopropyl ether	87	6.387	6.387	(0.825)	2720932	250.000	234.434
39 Chloroprene	53	6.494	6.494	(0.838)	953748	50.0000	45.7802
42 2-Butanone	43	6.794	6.794	(0.877)	1167703	200.000	195.081
45 cis-1,2-Dichloroethene	96	6.858	6.858	(0.886)	688954	50.0000	47.2235
46 2,2-Dichloropropane	77	6.894	6.894	(0.890)	860434	50.0000	40.3833
44 Propionitrile	54	6.844	6.844	(0.884)	880645	500.000	493.123
47 Methacrylonitrile	41	6.973	6.973	(0.900)	3447322	500.000	487.798
48 Bromochloromethane	128	7.052	7.052	(0.910)	326723	50.0000	50.0749
49 Chloroform	83	7.059	7.059	(0.911)	1053418	50.0000	48.0165
53 1,1,1-Trichloroethane	97	7.295	7.295	(0.942)	903778	50.0000	44.8975
55 1,1-Dichloropropene	75	7.395	7.395	(0.955)	886650	50.0000	46.4736
56 Carbon Tetrachloride	117	7.438	7.438	(0.960)	709855	50.0000	46.6530
52 Isobutanol	41	7.252	7.252	(0.936)	476535	1000.00	984.787
60 Benzene	78	7.573	7.573	(0.978)	2447106	50.0000	45.9878
58 1,2-Dichloroethane	62	7.538	7.538	(0.973)	777717	50.0000	50.3448
62 n-Butanol	56	7.752	7.752	(1.001)	585513	1500.00	1373.21
63 Trichloroethene	95	8.038	8.038	(1.038)	619221	50.0000	47.5062
66 1,2-Dichloropropane	63	8.210	8.210	(1.060)	595742	50.0000	45.4274
68 1,4-Dioxane	88	8.267	8.267	(1.067)	329444	2500.00	2574.62
69 Dibromomethane	93	8.310	8.310	(1.073)	343680	50.0000	50.1617
70 Bromodichloromethane	83	8.381	8.381	(1.082)	696547	50.0000	50.4173
73 cis-1,3-Dichloropropene	75	8.696	8.696	(1.123)	851488	50.0000	46.8512
74 4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	2395292	200.000	190.814
76 Toluene	91	8.982	8.982	(1.160)	2494285	50.0000	45.9682
78 trans-1,3-Dichloropropene	75	9.068	9.068	(1.171)	715486	50.0000	46.2898
80 1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	446116	50.0000	48.5172
83 Tetrachloroethene	164	9.404	9.404	(0.939)	475219	50.0000	55.5646
82 1,3-Dichloropropane	76	9.361	9.361	(0.935)	801713	50.0000	56.2535
81 2-Hexanone	43	9.332	9.332	(0.932)	1611318	200.000	220.420
84 Dibromochloromethane	129	9.561	9.561	(0.955)	451468	50.0000	59.9548
85 1,2-Dibromoethane	107	9.683	9.683	(0.967)	454251	50.0000	58.1328
86 1-Chlorohexane	91	9.919	9.919	(0.991)	834353	50.0000	51.5598
88 Chlorobenzene	112	10.033	10.033	(1.002)	1587622	50.0000	53.7551
89 1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	542790	50.0000	57.0823
90 Ethylbenzene	106	10.069	10.069	(1.006)	900745	50.0000	52.6249
91 m and p-Xylene	106	10.148	10.148	(1.014)	2233443	100.000	103.532
92 o-Xylene	106	10.469	10.469	(1.046)	1130638	50.0000	51.6752
93 Styrene	104	10.462	10.462	(1.045)	1744735	50.0000	53.1038
94 Bromoform	173	10.662	10.662	(1.065)	252485	50.0000	55.4018
95 isopropyl benzene	105	10.734	10.734	(0.905)	2975223	50.0000	53.4045
97 Cyclohexanone	55	10.848	10.848	(1.084)	1420970	2000.00	2673.78
99 1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.922)	642182	50.0000	56.0961
102 Bromobenzene	156	11.056	11.056	(0.932)	647900	50.0000	55.2415
101 1,2,3-Trichloropropane	110	10.998	10.998	(0.928)	184788	50.0000	57.8361
103 n-Propylbenzene	120	11.056	11.056	(0.932)	821135	50.0000	52.7617
105 2-Chlorotoluene	126	11.177	11.177	(0.943)	699384	50.0000	53.9066
104 1,3,5-Trimethylbenzene	105	11.163	11.163	(0.942)	2416231	50.0000	53.2040
106 4-Chlorotoluene	126	11.256	11.256	(0.949)	675821	50.0000	54.1617
107 tert-Butylbenzene	119	11.463	11.463	(0.967)	2423055	50.0000	55.4076
108 1,2,4-Trimethylbenzene	105	11.492	11.492	(0.969)	2476268	50.0000	53.5340
109 sec-Butylbenzene	105	11.649	11.649	(0.983)	3270656	50.0000	54.1103
111 1,3-Dichlorobenzene	146	11.814	11.814	(0.996)	1276245	50.0000	54.0703

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
110 4-Isopropyltoluene	119	11.742	11.742	(0.990)	2740019	50.0000	53.9140
113 1,4-dichlorobenzene	146	11.878	11.878	(1.002)	1286273	50.0000	54.0757
115 n-Butylbenzene	91	12.107	12.107	(1.021)	2586586	50.0000	51.9807
116 1,2-Dichlorobenzene	146	12.243	12.243	(1.033)	1255307	50.0000	54.9778
117 1,2-Dibromo-3-chloropropane	157	12.993	12.993	(1.096)	132089	50.0000	55.2705
118 1,2,4-Trichlorobenzene	180	13.966	13.966	(1.178)	950094	50.0000	55.3906
119 Hexachlorobutadiene	225	14.130	14.130	(1.192)	417144	50.0000	55.0042
120 Naphthalene	128	14.338	14.338	(1.209)	2454378	50.0000	55.1052
121 1,2,3-Trichlorobenzene	180	14.667	14.667	(1.237)	909329	50.0000	56.9284

QC Flag Legend

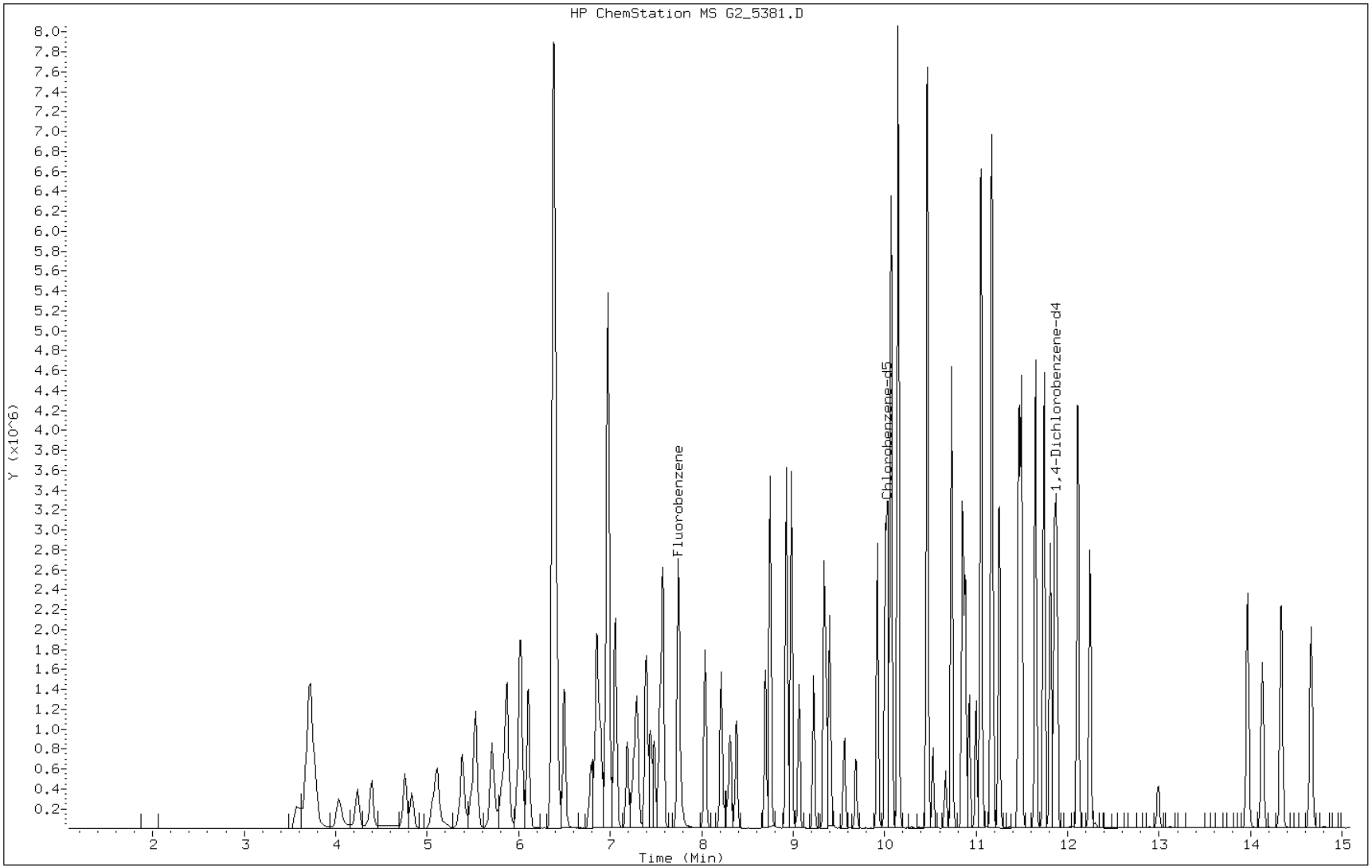
Q - Qualifier signal failed the ratio test.

Data File: G2_5381.D

Date: 06-APR-2012 06:55

Client ID: Instrument: GCMS2.i

Sample Info: CCV,,M13G9 Operator: REINHARDT



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114709/6 Calibration Date: 04/06/2012 09:15

Instrument ID: MSV_G2 Calib Start Date: 03/23/2012 14:26

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/23/2012 16:19

Lab File ID: G2_5386.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.6617	0.6130		46.3	50.0	-7.4	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.4919	0.4559		46.3	50.0	-7.3	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2590	0.2440		47.1	50.0	-5.8	50.0
Isopropyl alcohol	Ave	0.0301	0.0192		639	1000	-36.1	50.0
Methyl acetate	Ave	0.2729	0.1932		177	250	-29.2	50.0
Allyl chloride	Ave	0.5515	0.4684		42.5	50.0	-15.1	35.0
Carbon disulfide	Ave	1.269	1.134		44.7	50.0	-10.6	20.0
Methyl tert-butyl ether	Ave	1.046	0.9088		43.4	50.0	-13.1	20.0
Hexane	Ave	0.5419	0.4621		42.6	50.0	-14.7	35.0
Vinyl acetate	Ave	0.6467	0.4937		76.3	100	-23.7	50.0
Tert-butyl ethyl ether	Ave	1.051	0.9031		215	250	-14.1	35.0
2-Butanol	Ave	0.0419	0.0249		890	1500	-40.6	50.0
Tetrahydrofuran	Ave	0.1149	0.0783		68.1	100	-31.9	50.0
Cyclohexane	Ave	0.6699	0.5838		43.6	50.0	-12.9	35.0
Tert-amyl methyl ether	Ave	0.9620	0.8068		210	250	-16.1	35.0
2-Pentanone	Ave	0.2522	0.1728		137	200	-31.5	35.0
Methyl methacrylate	Ave	0.0809	0.0625		77.2	100	-22.8	35.0
Methylcyclohexane	Ave	0.6718	0.6183		46.0	50.0	-8.0	35.0
Ethyl methacrylate	Ave	1.547	1.449		93.6	100	-6.4	35.0
cis-1,4-Dichloro-2-butene	Ave	0.3600	0.2995		41.6	50.0	-16.8	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2466	0.2150		43.6	50.0	-12.8	50.0
Dibromofluoromethane (Surr)	Ave	0.3038	0.2494		45.1	55.0	-17.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3498	0.2679		42.1	55.0	-23.4*	20.0
Toluene-d8 (Surr)	Ave	4.608	4.641		55.4	55.0	0.7	20.0
4-Bromofluorobenzene (Surr)	Ave	1.014	0.9733		52.8	55.0	-4.0	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5386.D
Lab Smp Id: CCV
Inj Date : 06-APR-2012 09:15
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : CCV,,S1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\8260B-soil.m
Meth Date : 06-Apr-2012 11:57 GCMS2.i Quant Type: ISTD
Cal Date : 24-MAR-2012 03:16 Cal File: G2_4886.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-114.sub
Target Version: 4.14
Processing Host: DENPC252

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.745	7.745	(1.000)	2096888	50.0000	
* 87 Chlorobenzene-d5	119	10.012	10.012	(1.000)	439713	50.0000	
* 112 1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	702690	50.0000	
$ 51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	575273	50.0000	45.1477
$ 57 1,2-Dichloroethane-d4	65	7.480	7.480	(0.966)	617992	50.0000	42.1248
$ 75 Toluene-d8	98	8.925	8.925	(0.891)	2244644	50.0000	55.3889
$ 98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.918)	752310	50.0000	52.7817
14 Dichlorofluoromethane	67	4.967	4.967	(0.641)	1285332	50.0000	46.3146
17 1,2-dichloro-1,1,2-trifluoro	117	5.219	5.219	(0.674)	661282	50.0000	48.9698
18 Ethyl Ether	59	5.246	5.246	(0.677)	495850	50.0000	80.7881(QH)
19 2,2-dichloro-1,1,1-trifluoro	83	5.260	5.260	(0.679)	955859	50.0000	46.3316
22 2-Propanol	45	5.498	5.498	(0.710)	806791	1000.00	638.790
23 Trichlorotrifluoroethane	151	5.498	5.498	(0.710)	511609	50.0000	47.0963
27 Methyl Acetate	43	5.721	5.721	(0.739)	2025721	250.000	177.003
28 Allyl Chloride	41	5.777	5.777	(0.746)	982113	50.0000	42.4630
29 Carbon Disulfide	76	5.805	5.805	(0.750)	2378193	50.0000	44.6879
33 Methyl t-butyl ether	73	6.072	6.072	(0.784)	1905544	50.0000	43.4277
35 Hexane	57	6.279	6.279	(0.811)	968967	50.0000	42.6363
36 Vinyl acetate	43	6.351	6.351	(0.820)	2070253	100.000	76.3288
40 ETBE	59	6.658	6.658	(0.860)	9468266	250.000	214.756
41 Ethyl Acetate	43	6.780	6.780	(0.875)	1216664	100.000	73.3055
43 2-Butanol	45	6.837	6.837	(0.883)	1566300	1500.00	890.421

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
50 Tetrahydrofuran	42	7.087	7.087	(0.915)	328176	100.000	68.0888
54 Cyclohexane	56	7.373	7.373	(0.952)	1224071	50.0000	43.5672
59 TAME	73	7.559	7.559	(0.976)	8459295	250.000	209.687
64 2-Pentanone	43	8.052	8.052	(1.040)	1449548	200.000	137.064
65 Methyl Methacrylate	100	8.153	8.153	(1.053)	261983	100.000	77.1857
67 Methyl Cyclohexane	83	8.238	8.238	(1.064)	1296505	50.0000	46.0215
71 2-nitropropane	41	8.510	8.510	(1.099)	73844	50.0000	24.0347(Q)
72 2-Chloroethyl vinyl ether	63	8.510	8.510	(1.099)	259243	50.0000	34.9798
77 Ethyl methacrylate	69	9.053	9.053	(0.904)	1274004	100.000	93.6165
96 cis-1,4-Dichloro-2-butene	53	10.748	10.748	(1.074)	131698	50.0000	41.5938(Q)
100 t-1,4-Dichloro-2-butene	53	10.963	10.963	(0.925)	151058	50.0000	43.5950(Q)
114 1,2,3-Trimethylbenzene	105	11.885	11.885	(1.002)	2361127	50.0000	53.2411
122 Tetralin	104	Compound Not Detected.					

QC Flag Legend

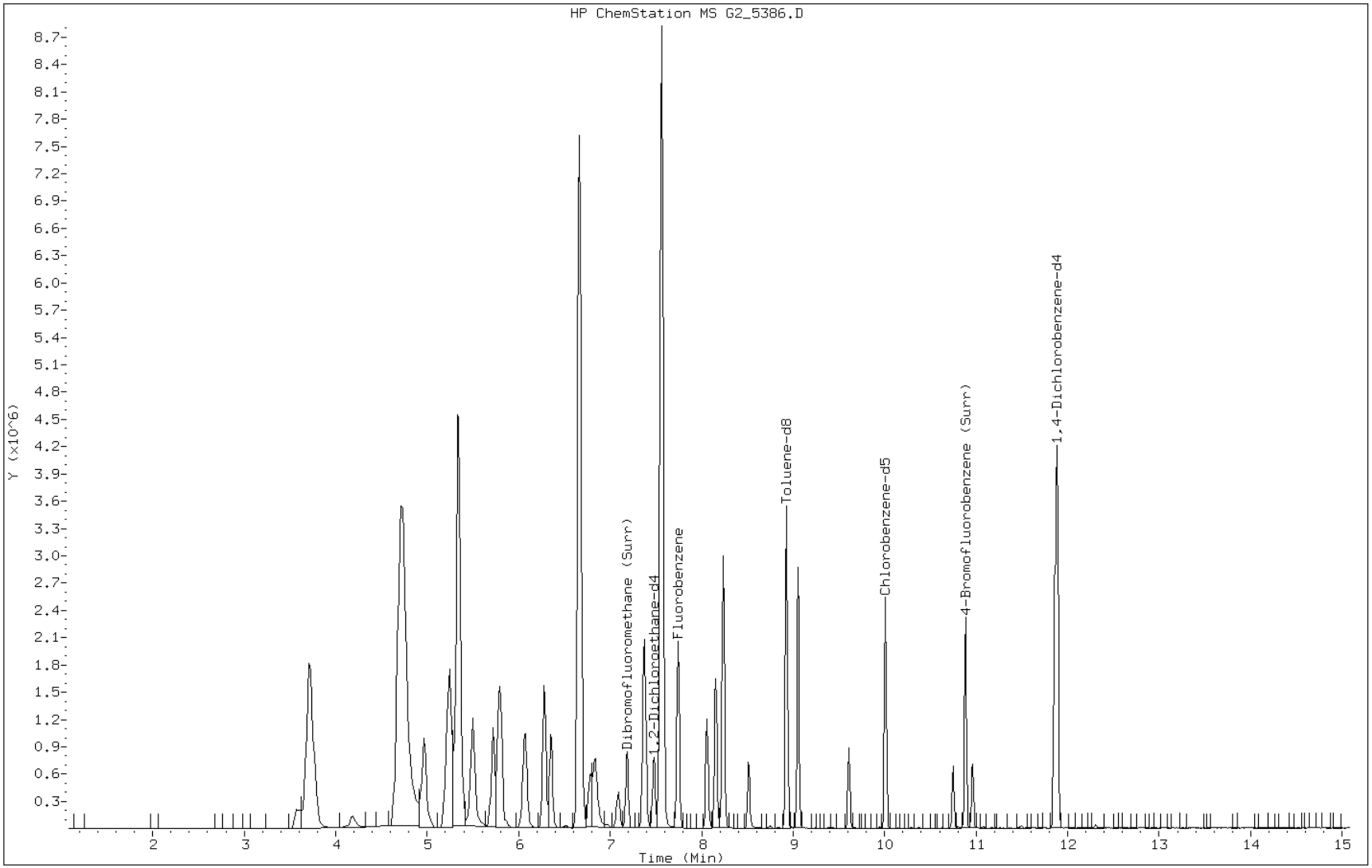
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_5386.D

Date: 06-APR-2012 09:15

Client ID: Instrument: GCMS2.i

Sample Info: CCV,,S1 Operator: REINHARDT



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-111872/9 Calibration Date: 03/15/2012 09:29

Instrument ID: MSV_R2 Calib Start Date: 03/15/2012 06:48

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/15/2012 08:43

Lab File ID: RR3343.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.6319	0.7262		11.5	10.0	14.9	50.0
Ethyl ether	Ave	0.1212	0.1330		11.0	10.0	9.7	35.0
Isopropyl alcohol	Lin	0.0041	0.0043		244	200	22.2	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Lin	0.5230	0.5732		12.4	10.0	24.3	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.3210	0.3562		11.1	10.0	11.0	35.0
Methyl acetate	Ave	0.0532	0.0548		51.5	50.0	3.1	55.0
Allyl chloride	Ave	0.4000	0.4191		10.5	10.0	4.8	35.0
Carbon disulfide	Ave	1.423	1.522		10.7	10.0	7.0	20.0
Methyl tert-butyl ether	Ave	0.4142	0.4338		10.5	10.0	4.7	20.0
Hexane	Ave	1.975	2.183		11.1	10.0	10.5	35.0
Vinyl acetate	Ave	0.2129	0.2310		21.7	20.0	8.5	55.0
Tert-butyl ethyl ether	Ave	0.5843	0.6338		54.2	50.0	8.5	35.0
Ethyl acetate	Ave	0.0852	0.0797		18.7	20.0	-6.5	55.0
2-Butanol	Ave	0.0054	0.0054		302	301	0.3	50.0
Tetrahydrofuran	Ave	0.0172	0.0184		21.5	20.0	7.3	55.0
Cyclohexane	Ave	0.5339	0.5673		10.6	10.0	6.3	35.0
Tert-amyl methyl ether	Ave	0.4635	0.4934		53.2	50.0	6.5	35.0
2-Pentanone	Ave	0.0504	0.0650		51.5	40.0	28.8	55.0
Methyl methacrylate	Ave	0.0264	0.0305		23.1	20.0	15.5	35.0
Methylcyclohexane	Lin	0.4638	0.5006		12.2	10.0	22.3	35.0
2-Chloroethyl vinyl ether	Ave	0.0770	0.0793		10.3	10.0	3.1	55.0
2-Nitropropane	Ave	0.0216	0.0230		10.6	10.0	6.3	55.0
Ethyl methacrylate	Ave	0.6895	0.7363		21.4	20.0	6.8	35.0
cis-1,4-Dichloro-2-butene	Ave	0.0814	0.1079		13.3	10.0	32.6	55.0
trans-1,4-Dichloro-2-butene	Ave	0.0886	0.0940		10.6	10.0	6.0	55.0
Dibromofluoromethane (Surr)	Ave	0.3703	0.3548		9.58	10.0	-4.2	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2616	0.2505		9.58	10.0	-4.2	35.0
Toluene-d8 (Surr)	Ave	5.100	4.791		9.39	10.0	-6.1	35.0
4-Bromofluorobenzene (Surr)	Ave	1.143	1.075		9.40	10.0	-6.0	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\RR3343.D
Lab Smp Id: ICV
Inj Date : 15-MAR-2012 09:29
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,SA 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\8260B-H2O.m
Meth Date : 15-Mar-2012 13:02 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 08:43 Cal File: RR3341.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.597	8.597	(1.000)	1783814	12.5000	
*	88 Chlorobenzene-d5	119	11.465	11.466	(1.000)	411356	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.068	14.059	(1.000)	600582	12.5000	
$	52 Dibromofluoromethane (Surr)	111	8.005	7.996	(0.931)	506299	9.58059	9.58059
$	58 1,2-Dichloroethane-d4	65	8.330	8.321	(0.969)	357458	9.57607	9.57606
$	76 Toluene-d8	98	9.986	9.987	(0.871)	1576508	9.39307	9.39307
$	99 4-Bromofluorobenzene (Surr)	95	12.766	12.767	(0.908)	516511	9.40272	9.40272
	8 1,2-Dichlorotetrafluoroethane	85	4.673	4.674	(0.544)	449479	32.6894	32.6894
	11 Ethylene Oxide	43	5.245	5.236	(0.610)	589261	1175.96	1175.96
	14 Dichlorofluoromethane	67	5.560	5.571	(0.647)	1036319	11.4915	11.4915
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.836	5.837	(0.679)	525035	10.1673	10.1672
	21 Propylene Oxide	58	5.964	5.965	(0.694)	1345388	610.162	610.162
	19 Ethyl Ether	59	5.836	5.837	(0.679)	189798	10.9731	10.9731
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.886	5.887	(0.685)	817974	12.4305	12.4305
	23 Trichlorotrifluoroethane	151	6.122	6.133	(0.712)	508277	11.0955	11.0955
	18 2-propanol	45	5.836	5.837	(0.679)	123333	244.477	244.477
	27 Methyl Acetate	43	6.379	6.379	(0.742)	391325	51.5286	51.5286
	29 Allyl Chloride	41	6.438	6.439	(0.749)	598043	10.4782	10.4782
	30 Carbon Disulfide	76	6.457	6.458	(0.751)	2172585	10.6960	10.6960
	34 Methyl t-butyl ether	73	6.733	6.734	(0.783)	619022	10.4719	10.4719
	36 Hexane	57	6.950	6.951	(0.606)	718391	11.0509	11.0509
	37 Vinyl acetate	43	7.069	7.069	(0.822)	659325	21.7033	21.7033
	41 ETBE	59	7.384	7.385	(0.859)	4522335	54.2395	54.2395

						CONCENTRATIONS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
42 Ethyl Acetate	43	7.542	7.543	(0.877)	227426	18.6977	18.6976
44 2-Butanol	45	7.611	7.612	(0.885)	232964	302.366	302.366
51 Tetrahydrofuran	42	7.877	7.878	(0.916)	52596	21.4589	21.4589
55 Cyclohexane	56	8.163	8.164	(0.950)	809527	10.6253	10.6252
59 TAME	73	8.380	8.381	(0.975)	3520601	53.2279	53.2279
65 2-Pentanone	43	8.971	8.962	(1.044)	370824	51.5132	51.5132
67 Methyl Cyclohexane	55	9.129	9.120	(1.062)	714322	12.2345	12.2345
66 Methyl Methacrylate	100	9.060	9.061	(1.054)	87101	23.1020	23.1020
73 2-nitropropane	41	9.513	9.514	(1.107)	32761	10.6348	10.6348
72 2-Chloroethyl vinyl ether	63	9.494	9.494	(1.104)	113194	10.3070	10.3070
78 Ethyl methacrylate	69	10.154	10.145	(0.886)	484638	21.3581	21.3581
85 Tetrahydrothiophene	60	10.903	10.894	(0.951)	129302	12.2913	12.2913
97 cis-1,4-dichloro-2-butene	53	12.599	12.600	(0.896)	51847	13.2557	13.2557
101 t-1,4-Dichloro-2-butene	53	12.894	12.895	(0.917)	45155	10.6021	10.6021
115 1,2,3-Trimethylbenzene	105	14.097	14.098	(1.002)	1486009	10.5532	10.5532
119 Tetralin	104	Compound Not Detected.					

Data File: RR3343.D

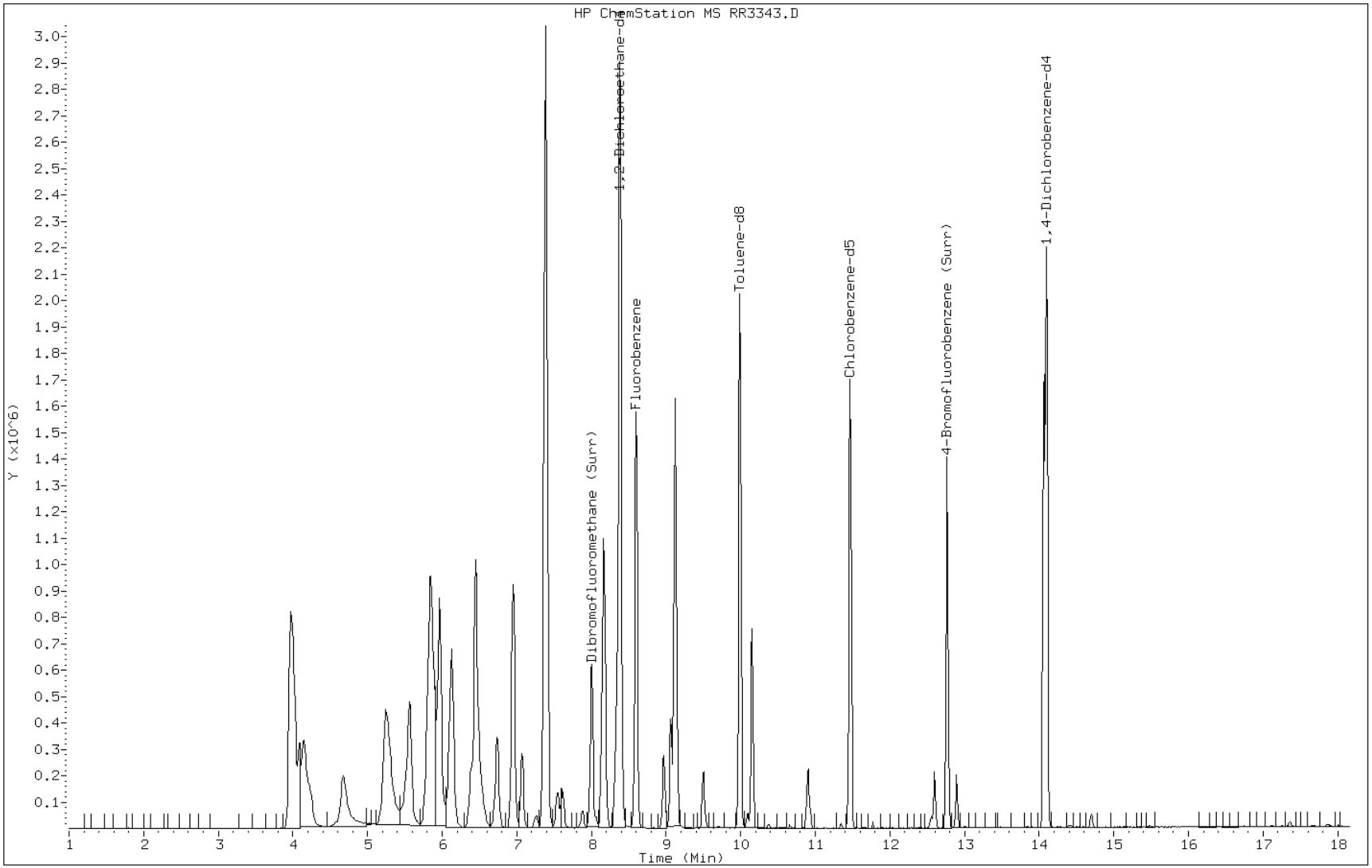
Date: 15-MAR-2012 09:29

Client ID:

Instrument: R2.i

Sample Info: ICV,,SA 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-113151/9 Calibration Date: 03/26/2012 10:19

Instrument ID: MSV_R2 Calib Start Date: 03/26/2012 07:35

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/26/2012 09:56

Lab File ID: RR3767.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.0007	0.0008		209	200	4.3	50.0
2-Chloro-1,3-butadiene	Ave	0.4969	0.4786		9.63	10.0	-3.7	35.0
Propionitrile	Ave	0.0093	0.0091		97.9	100	-2.1	35.0
Methacrylonitrile	Ave	0.0468	0.0451		96.3	100	-3.7	50.0
Isobutyl alcohol	Ave	0.0019	0.0019		191	200	-4.3	50.0
1,4-Dioxane	Ave	0.0009	0.0008		179	200	-10.6	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3767.D
Lab Smp Id: ICV
Inj Date : 26-MAR-2012 10:19
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MB 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\8260B-H2O.m
Meth Date : 26-Mar-2012 10:35 DobranskyM Quant Type: ISTD
Cal Date : 15-MAR-2012 08:43 Cal File: RR3341.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvmb.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.622	8.618	(1.000)	1800877	12.5000	
* 88 Chlorobenzene-d5	119	11.491	11.487	(1.000)	425452	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.083	14.089	(1.000)	659792	12.5000	(Q)
16 Ethanol	45	5.724	5.730	(0.664)	22024	208.522	208.522
40 Chloroprene	53	7.232	7.228	(0.839)	689510	9.63070	9.63070
46 Propionitrile	54	7.676	7.662	(0.890)	130439	97.8516	97.8516
48 Methacrylonitrile	41	7.794	7.800	(0.904)	649380	96.3129	96.3129
53 Isobutanol	41	8.090	8.086	(0.938)	53637	191.389	191.389
69 1,4-Dioxane	88	9.214	9.210	(1.069)	23070	178.804	178.804(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR3767.D

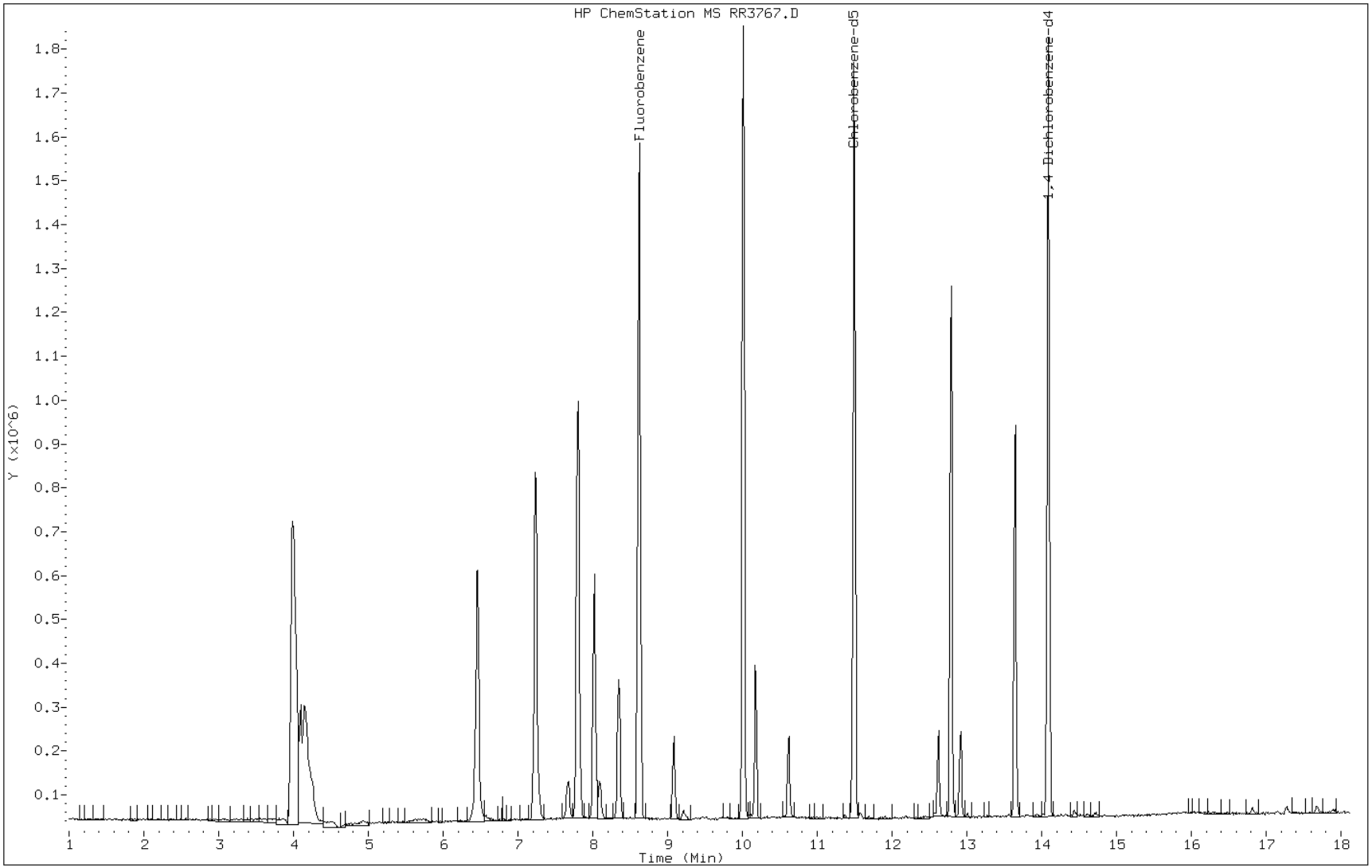
Date: 26-MAR-2012 10:19

Client ID:

Instrument: R2.i

Sample Info: ICV,,MB 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-113151/10 Calibration Date: 03/26/2012 10:43

Instrument ID: MSV_R2 Calib Start Date: 03/26/2012 07:35

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/26/2012 09:56

Lab File ID: RR3768.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3516	0.3548		20.2	20.0	0.9	35.0
Xylenes, Total	Ave	2.318	2.345		30.3	30.0	1.2	35.0
Dichlorodifluoromethane	Ave	0.3331	0.2763		8.29	10.0	-17.1	20.0
Chloromethane	Ave	0.2104	0.2108	0.1000	10.0	10.0	0.2	20.0
Vinyl chloride	Ave	0.2644	0.2531		9.57	10.0	-4.3	20.0
Bromomethane	Ave	0.2381	0.2249		9.51	10.0	-5.5	20.0
Chloroethane	Ave	0.1652	0.1642		9.94	10.0	-0.6	20.0
Trichlorofluoromethane	Ave	0.5000	0.4722		9.17	10.0	-5.6	20.0
Acrolein	Ave	0.0135	0.0133		98.4	100	-1.6	55.0
Acetone	Lin	0.0239	0.0231		42.8	40.0	6.9	20.0
1,1-Dichloroethene	Ave	0.3350	0.3461		10.3	10.0	3.3	20.0
Iodomethane	Ave	0.7250	0.7462		10.3	10.0	2.9	35.0
Methylene Chloride	Ave	0.3019	0.2937		9.73	10.0	-2.7	20.0
Acrylonitrile	Ave	0.0256	0.0253		99.1	100	-0.9	55.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3638		10.1	10.0	0.6	20.0
1,1-Dichloroethane	Ave	0.5984	0.5906	0.1000	9.87	10.0	-1.3	20.0
2-Butanone (MEK)	Ave	0.0326	0.0307		37.6	40.0	-5.9	20.0
cis-1,2-Dichloroethene	Ave	0.3416	0.3459		10.1	10.0	1.2	20.0
2,2-Dichloropropane	Ave	0.5175	0.5087		9.83	10.0	-1.7	20.0
Chlorobromomethane	Ave	0.1522	0.1511		9.93	10.0	-0.7	20.0
Chloroform	Ave	0.6267	0.5855		9.34	10.0	-6.6	20.0
1,1,1-Trichloroethane	Ave	0.5409	0.5273		9.75	10.0	-2.5	20.0
1,1-Dichloropropene	Ave	0.5390	0.5371		9.96	10.0	-0.4	20.0
Carbon tetrachloride	Ave	0.5299	0.5222		9.86	10.0	-1.4	20.0
1,2-Dichloroethane	Ave	0.2607	0.2724		10.4	10.0	4.5	20.0
Benzene	Lin	1.297	1.220		10.5	10.0	4.6	20.0
Trichloroethene	Ave	0.3670	0.3702		10.1	10.0	0.9	20.0
1,2-Dichloropropane	Ave	0.2591	0.2512		9.70	10.0	-3.0	20.0
Dibromomethane	Ave	0.1243	0.1212		9.75	10.0	-2.5	20.0
Dichlorobromomethane	Ave	0.3687	0.3564		9.67	10.0	-3.3	20.0
cis-1,3-Dichloropropene	Ave	0.4098	0.3947		9.63	10.0	-3.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0726	0.0736		40.5	40.0	1.4	20.0
Toluene	Ave	1.248	1.245		9.98	10.0	-0.2	20.0
trans-1,3-Dichloropropene	Ave	0.2929	0.3020		10.3	10.0	3.1	20.0
1,1,2-Trichloroethane	Ave	0.1396	0.1416		10.1	10.0	1.4	20.0
2-Hexanone	Ave	0.2207	0.2343		42.5	40.0	6.2	20.0
1,3-Dichloropropane	Ave	1.147	1.132		9.87	10.0	-1.3	20.0
Tetrachloroethene	Ave	1.538	1.559		10.1	10.0	1.3	20.0
Chlorodibromomethane	Ave	1.070	1.057		9.88	10.0	-1.2	20.0
Ethylene Dibromide	Ave	0.6770	0.6809		10.1	10.0	0.6	20.0
1-Chlorohexane	Ave	2.317	2.251		9.72	10.0	-2.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-113151/10 Calibration Date: 03/26/2012 10:43

Instrument ID: MSV_R2 Calib Start Date: 03/26/2012 07:35

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/26/2012 09:56

Lab File ID: RR3768.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	3.759	3.555	0.3000	9.46	10.0	-5.4	20.0
1,1,1,2-Tetrachloroethane	Ave	1.326	1.285		9.70	10.0	-3.0	20.0
Ethylbenzene	Ave	1.965	1.973		10.0	10.0	0.4	20.0
m-Xylene & p-Xylene	Ave	2.392	2.416		20.2	20.0	1.0	20.0
o-Xylene	Ave	2.169	2.203		10.2	10.0	1.5	20.0
Styrene	Ave	3.404	3.509		10.3	10.0	3.1	20.0
Bromoform	Ave	0.5095	0.5244	0.1000	10.3	10.0	2.9	20.0
Isopropylbenzene	Ave	4.164	4.212		10.1	10.0	1.2	20.0
Cyclohexanone	Ave	0.0152	0.0289		475	250	90.2*	35.0
1,1,2,2-Tetrachloroethane	Ave	0.4337	0.4190	0.3000	9.66	10.0	-3.4	20.0
1,2,3-Trichloropropane	Ave	0.1068	0.1063		9.95	10.0	-0.5	20.0
N-Propylbenzene	Ave	1.190	1.175		9.88	10.0	-1.2	20.0
Bromobenzene	Ave	1.005	0.9900		9.85	10.0	-1.5	20.0
1,3,5-Trimethylbenzene	Ave	3.312	3.273		9.88	10.0	-1.2	20.0
2-Chlorotoluene	Ave	1.040	1.029		9.89	10.0	-1.1	20.0
4-Chlorotoluene	Ave	1.036	1.039		10.0	10.0	0.3	20.0
tert-Butylbenzene	Ave	3.244	3.233		9.97	10.0	-0.3	20.0
1,2,4-Trimethylbenzene	Ave	3.288	3.156		9.60	10.0	-4.0	20.0
sec-Butylbenzene	Ave	1.026	1.016		9.90	10.0	-1.0	20.0
4-Isopropyltoluene	Ave	4.073	4.009		9.84	10.0	-1.6	20.0
1,3-Dichlorobenzene	Ave	2.053	2.001		9.75	10.0	-2.5	20.0
1,4-Dichlorobenzene	Ave	2.051	1.964		9.57	10.0	-4.3	20.0
n-Butylbenzene	Ave	3.806	3.738		9.82	10.0	-1.8	20.0
1,2-Dichlorobenzene	Ave	1.626	1.590		9.78	10.0	-2.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0768	0.0764		9.95	10.0	-0.5	20.0
1,2,4-Trichlorobenzene	Ave	1.069	1.024		9.58	10.0	-4.2	20.0
Hexachlorobutadiene	Lin	0.8746	0.8305		10.8	10.0	7.6	20.0
Naphthalene	Ave	1.277	1.243		9.73	10.0	-2.7	20.0
1,2,3-Trichlorobenzene	Ave	0.8215	0.7734		9.41	10.0	-5.9	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3768.D
Lab Smp Id: ICV
Inj Date : 26-MAR-2012 10:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MA 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\8260B-H2O.m
Meth Date : 26-Mar-2012 20:03 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 08:43 Cal File: RR3341.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvma.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	8.628	8.617	(1.000)	1760683	12.5000		
*	88 Chlorobenzene-d5	119	11.496	11.486	(1.000)	400416	12.5000		
*	113 1,4-Dichlorobenzene-d4	152	14.089	14.088	(1.000)	627530	12.5000		(Q)
M	2 1,2-Dichloroethene (total)	96				999563	20.1846	20.1846	
M	3 Xylene (total)	106				2253203	30.3497	30.3497	
M	4 1,3-Dichloropropene (total)	100				981253	19.9404	19.9404	
M	1 Trihalomethanes (total)	100				1833250	39.1822	39.1822	
	7 dichlorodifluoromethane	85	4.517	4.506	(0.524)	389107	8.29316	8.29316	
	9 Chloromethane	50	4.754	4.743	(0.551)	296928	10.0207	10.0207	
	10 Vinyl Chloride	62	4.931	4.911	(0.572)	356557	9.57242	9.57242	
	12 Bromomethane	94	5.325	5.315	(0.617)	316769	9.50844	9.50844	
	13 Chloroethane	64	5.394	5.374	(0.625)	231316	9.94250	9.94250	
	15 Trichlorofluoromethane	101	5.710	5.709	(0.662)	665107	9.16542	9.16542	
	22 Acrolein	56	6.045	6.024	(0.701)	187413	98.3707	98.3707	
	24 Acetone	43	6.153	6.143	(0.713)	129908	42.7763	42.7763	
	25 1,1-Dichloroethene	96	6.183	6.182	(0.717)	487468	10.3313	10.3313	
	26 Iodomethane	142	6.380	6.370	(0.740)	1051031	10.2920	10.2920	
	32 Methylene Chloride	84	6.577	6.557	(0.762)	413739	9.73026	9.73026	
	33 Acrylonitrile	53	6.755	6.744	(0.783)	356697	99.0583	99.0582	
	35 trans-1,2-Dichloroethene	96	6.814	6.793	(0.790)	512405	10.0600	10.0600	
	39 1,1-Dichloroethane	63	7.169	7.158	(0.831)	831942	9.87060	9.87060	
	43 2-Butanone	43	7.593	7.582	(0.880)	172783	37.6218	37.6218	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
45	cis-1,2-Dichloroethene	96	7.652	7.641	(0.887)	487158	10.1246	10.1246
47	2,2-Dichloropropane	77	7.681	7.671	(0.890)	716467	9.82836	9.82836
49	Bromochloromethane	128	7.878	7.868	(0.913)	212788	9.92652	9.92652
50	Chloroform	83	7.878	7.868	(0.913)	824685	9.34268	9.34268
54	1,1,1-Trichloroethane	97	8.115	8.104	(0.941)	742709	9.74778	9.74778
56	1,1-Dichloropropene	75	8.223	8.213	(0.953)	756541	9.96408	9.96408
57	Carbon Tetrachloride	117	8.263	8.262	(0.958)	735573	9.85572	9.85572
60	1,2-Dichloroethane	62	8.421	8.410	(0.976)	383651	10.4497	10.4496
61	Benzene	78	8.430	8.420	(0.977)	1717730	10.4553	10.4553
64	Trichloroethene	95	8.943	8.933	(1.037)	521447	10.0881	10.0881
68	1,2-Dichloropropane	63	9.160	9.149	(1.062)	353815	9.69619	9.69618
70	Dibromomethane	93	9.288	9.278	(1.077)	170674	9.74952	9.74952
71	Bromodichloromethane	83	9.357	9.356	(1.085)	501965	9.66549	9.66549
74	cis-1,3-Dichloropropene	75	9.742	9.731	(1.129)	555944	9.63173	9.63173
75	4-Methyl-2-pentanone	43	9.801	9.800	(1.136)	414753	40.5460	40.5460
77	Toluene	91	10.077	10.076	(1.168)	1753579	9.97511	9.97511
79	trans-1,3-Dichloropropene	75	10.205	10.204	(1.183)	425309	10.3087	10.3087
80	1,1,2-Trichloroethane	97	10.422	10.421	(1.208)	199438	10.1414	10.1414
81	2-Hexanone	43	10.560	10.559	(0.919)	300212	42.4716	42.4716
82	1,3-Dichloropropane	76	10.599	10.598	(0.922)	362694	9.86837	9.86837
83	Tetrachloroethene	164	10.619	10.618	(0.924)	499326	10.1320	10.1320
84	Dibromochloromethane	129	10.865	10.865	(0.945)	338621	9.88272	9.88272
86	1,2-Dibromoethane	107	11.053	11.042	(0.961)	218106	10.0568	10.0568
87	1-Chlorohexane	91	11.348	11.348	(0.987)	720973	9.71565	9.71565
89	Chlorobenzene	112	11.526	11.525	(1.003)	1138821	9.45860	9.45860
90	1,1,1,2-Tetrachloroethane	131	11.575	11.574	(1.007)	411761	9.69555	9.69555
91	Ethylbenzene	106	11.575	11.574	(1.007)	631868	10.0372	10.0372
92	m and p-Xylene	106	11.693	11.683	(1.017)	1547648	20.1971	20.1970
93	o-Xylene	106	12.186	12.186	(1.060)	705555	10.1526	10.1526
94	Styrene	104	12.186	12.186	(1.060)	1123950	10.3085	10.3085
95	Bromoform	173	12.492	12.491	(1.087)	167979	10.2913	10.2913
96	isopropyl benzene	105	12.571	12.570	(0.892)	2114440	10.1156	10.1156
98	Cyclohexanone	55	12.768	12.757	(1.111)	231730	475.418	475.418
100	1,1,2,2-Tetrachloroethane	83	12.866	12.866	(0.913)	210349	9.66096	9.66096
102	1,2,3-Trichloropropane	110	12.965	12.964	(0.920)	53365	9.94987	9.94987
103	Bromobenzene	156	13.014	13.014	(0.924)	497019	9.85234	9.85234
104	n-Propylbenzene	120	13.004	13.004	(0.923)	589915	9.87711	9.87711
106	2-Chlorotoluene	126	13.172	13.171	(0.935)	516410	9.89201	9.89201
105	1,3,5-Trimethylbenzene	105	13.162	13.161	(0.934)	1643161	9.88137	9.88137
107	4-Chlorotoluene	126	13.280	13.280	(0.943)	521752	10.0311	10.0311
108	tert-Butylbenzene	119	13.556	13.556	(0.962)	1623010	9.96735	9.96735
109	1,2,4-Trimethylbenzene	105	13.606	13.605	(0.966)	1584581	9.59952	9.59952
110	sec-Butylbenzene	134	13.803	13.802	(0.980)	509856	9.89682	9.89682
111	4-Isopropyltoluene	119	13.941	13.930	(0.990)	2012487	9.84207	9.84206
112	1,3-Dichlorobenzene	146	14.020	14.019	(0.995)	1004588	9.74771	9.74771
114	1,4-dichlorobenzene	146	14.118	14.118	(1.002)	985762	9.57188	9.57188
116	n-Butylbenzene	91	14.434	14.433	(1.024)	1876345	9.82079	9.82079
117	1,2-Dichlorobenzene	146	14.601	14.601	(1.036)	798235	9.77872	9.77872
118	1,2-Dibromo-3-chloropropane	157	15.607	15.596	(1.108)	38352	9.94593	9.94593
120	1,2,4-Trichlorobenzene	180	16.819	16.819	(1.194)	514045	9.58032	9.58032
121	Hexachlorobutadiene	225	17.007	17.006	(1.207)	416953	10.7572	10.7572
122	Naphthalene	128	17.273	17.272	(1.226)	624109	9.73194	9.73194
123	1,2,3-Trichlorobenzene	180	17.677	17.676	(1.255)	388269	9.41468	9.41468

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR3768.D

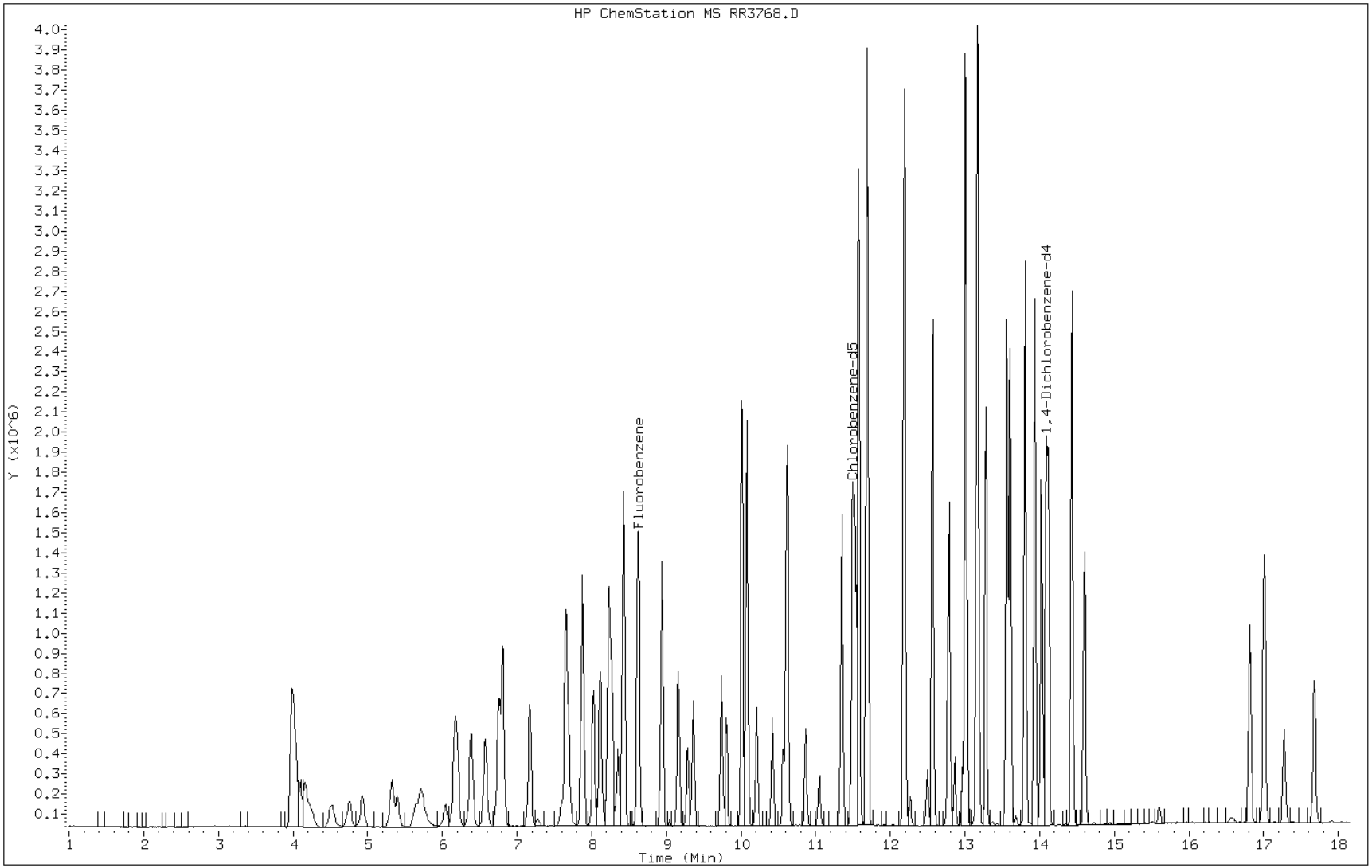
Date: 26-MAR-2012 10:43

Client ID:

Instrument: R2.i

Sample Info: ICV,,MA 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114706/2 Calibration Date: 04/09/2012 06:30

Instrument ID: MSV_R2 Calib Start Date: 03/26/2012 07:35

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/26/2012 09:56

Lab File ID: RR4244.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3516	0.3388		19.3	20.0	-3.6	35.0
Xylenes, Total	Ave	2.318	2.323		30.1	30.0	0.2	35.0
Dichlorodifluoromethane	Ave	0.3331	0.3603		10.8	10.0	8.2	20.0
Chloromethane	Ave	0.2104	0.2252	0.1000	10.7	10.0	7.1	20.0
Vinyl chloride	Ave	0.2644	0.2854		10.8	10.0	7.9	20.0
Bromomethane	Ave	0.2381	0.2376		9.98	10.0	-0.2	20.0
Chloroethane	Ave	0.1652	0.1800		10.9	10.0	9.0	20.0
Ethanol	Ave	0.0007	0.0007		496	500	-0.9	50.0
Trichlorofluoromethane	Ave	0.5000	0.5078		10.2	10.0	1.6	20.0
Acrolein	Ave	0.0135	0.0124		91.1	99.5	-8.4	50.0
Acetone	Lin	0.0239	0.0214		39.5	40.0	-1.2	20.0
1,1-Dichloroethene	Ave	0.3350	0.3281		9.79	10.0	-2.1	20.0
Iodomethane	Ave	0.7250	0.7477		10.3	10.0	3.1	35.0
Acetonitrile	Ave	0.0065	0.0067		103	100	2.7	50.0
2-Methyl-2-propanol	Ave	0.0077	0.0077		200	200	0.0	50.0
Methylene Chloride	Ave	0.3019	0.2852		9.45	10.0	-5.5	20.0
Acrylonitrile	Ave	0.0256	0.0253		99.1	100	-0.9	50.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3484		9.64	10.0	-3.6	20.0
Isopropyl ether	Ave	0.1803	0.1718		47.6	50.0	-4.7	35.0
1,1-Dichloroethane	Ave	0.5984	0.5808	0.1000	9.71	10.0	-2.9	20.0
2-Chloro-1,3-butadiene	Ave	0.4969	0.5525		11.1	10.0	11.2	35.0
2-Butanone (MEK)	Ave	0.0326	0.0310		38.0	40.0	-5.1	20.0
cis-1,2-Dichloroethene	Ave	0.3416	0.3292		9.64	10.0	-3.6	20.0
2,2-Dichloropropane	Ave	0.5175	0.5305		10.2	10.0	2.5	20.0
Propionitrile	Ave	0.0093	0.0092		99.7	100	-0.3	50.0
Methacrylonitrile	Ave	0.0468	0.0482		103	100	2.9	50.0
Chlorobromomethane	Ave	0.1522	0.1401		9.21	10.0	-7.9	20.0
Chloroform	Ave	0.6267	0.5915		9.44	10.0	-5.6	20.0
Isobutyl alcohol	Ave	0.0019	0.0021		219	200	9.5	50.0
1,1,1-Trichloroethane	Ave	0.5409	0.5293		9.78	10.0	-2.2	20.0
1,1-Dichloropropene	Ave	0.5390	0.5231		9.70	10.0	-3.0	20.0
Carbon tetrachloride	Ave	0.5299	0.5052		9.54	10.0	-4.6	20.0
1,2-Dichloroethane	Ave	0.2607	0.2713		10.4	10.0	4.1	20.0
Benzene	Lin	1.297	1.206		10.3	10.0	3.3	20.0
Trichloroethene	Ave	0.3670	0.3566		9.72	10.0	-2.8	20.0
1,2-Dichloropropane	Ave	0.2591	0.2532		9.77	10.0	-2.3	20.0
1,4-Dioxane	Ave	0.0009	0.0009		513	500	2.5	50.0
Dibromomethane	Ave	0.1243	0.1242		9.99	10.0	-0.0	20.0
Dichlorobromomethane	Ave	0.3687	0.3575		9.70	10.0	-3.0	20.0
cis-1,3-Dichloropropene	Ave	0.4098	0.3948		9.63	10.0	-3.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0726	0.0733		40.4	40.0	1.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114706/2 Calibration Date: 04/09/2012 06:30

Instrument ID: MSV_R2 Calib Start Date: 03/26/2012 07:35

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/26/2012 09:56

Lab File ID: RR4244.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.248	1.248		10.0	10.0	-0.0	20.0
trans-1,3-Dichloropropene	Ave	0.2929	0.2987		10.2	10.0	2.0	20.0
1,1,2-Trichloroethane	Ave	0.1396	0.1397		10.0	10.0	0.0	20.0
2-Hexanone	Ave	0.2207	0.2287		41.5	40.0	3.6	20.0
1,3-Dichloropropane	Ave	1.147	1.133		9.87	10.0	-1.3	20.0
Tetrachloroethene	Ave	1.538	1.567		10.2	10.0	1.9	20.0
Chlorodibromomethane	Ave	1.070	1.036		9.68	10.0	-3.2	20.0
Ethylene Dibromide	Ave	0.6770	0.6907		10.2	10.0	2.0	20.0
1-Chlorohexane	Ave	2.317	2.288		9.86	9.99	-1.2	35.0
Chlorobenzene	Ave	3.759	3.525	0.3000	9.38	10.0	-6.2	20.0
1,1,1,2-Tetrachloroethane	Ave	1.326	1.270		9.58	10.0	-4.2	20.0
Ethylbenzene	Ave	1.965	1.958		9.96	10.0	-0.4	20.0
m-Xylene & p-Xylene	Ave	2.392	2.403		20.1	20.0	0.4	20.0
o-Xylene	Ave	2.169	2.163		9.97	10.0	-0.3	20.0
Styrene	Ave	3.404	3.469		10.2	10.0	1.9	20.0
Bromoform	Ave	0.5095	0.5253	0.1000	10.3	10.0	3.1	20.0
Isopropylbenzene	Ave	4.164	4.269		10.3	10.0	2.5	20.0
Cyclohexanone	Ave	0.0152	0.0135		355	400	-11.4	50.0
1,1,2,2-Tetrachloroethane	Ave	0.4337	0.4319	0.3000	9.96	10.0	-0.4	20.0
1,2,3-Trichloropropane	Ave	0.1068	0.1085		10.2	10.0	1.5	20.0
Bromobenzene	Ave	1.005	0.999		9.94	10.0	-0.6	20.0
N-Propylbenzene	Ave	1.190	1.181		9.93	10.0	-0.7	20.0
1,3,5-Trimethylbenzene	Ave	3.312	3.326		10.0	10.0	0.4	20.0
2-Chlorotoluene	Ave	1.040	1.001		9.63	10.0	-3.7	20.0
4-Chlorotoluene	Ave	1.036	1.015		9.80	10.0	-2.0	20.0
tert-Butylbenzene	Ave	3.244	3.284		10.1	10.0	1.2	20.0
1,2,4-Trimethylbenzene	Ave	3.288	3.339		10.2	10.0	1.5	20.0
sec-Butylbenzene	Ave	1.026	1.019		9.93	10.0	-0.7	20.0
4-Isopropyltoluene	Ave	4.073	4.085		10.0	10.0	0.3	20.0
1,3-Dichlorobenzene	Ave	2.053	2.020		9.84	10.0	-1.6	20.0
1,4-Dichlorobenzene	Ave	2.051	1.926		9.39	10.0	-6.1	20.0
n-Butylbenzene	Ave	3.806	3.978		10.5	10.0	4.5	20.0
1,2-Dichlorobenzene	Ave	1.626	1.571		9.66	10.0	-3.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0768	0.0787		10.2	10.0	2.5	20.0
1,2,4-Trichlorobenzene	Ave	1.069	1.067		9.98	10.0	-0.2	20.0
Hexachlorobutadiene	Lin	0.8746	0.8225		10.6	10.0	6.4	20.0
Naphthalene	Ave	1.277	1.200		9.40	10.0	-6.0	20.0
1,2,3-Trichlorobenzene	Ave	0.8215	0.8134		9.90	10.0	-1.0	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\RR4244.D
Lab Smp Id: CCV
Inj Date : 09-APR-2012 06:30
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,M 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\8260B-H2O.m
Meth Date : 09-Apr-2012 09:16 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 07:57 Cal File: RR3339.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.602	8.602	(1.000)	1720318	12.5000	
* 88	Chlorobenzene-d5	119	11.471	11.471	(1.000)	384931	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.065	14.065	(1.000)	600178	12.5000	
M 2	1,2-Dichloroethene (total)	96				932588	20.0000	19.2723
M 1	Trihalomethanes (total)	100				1786704	40.0000	39.1253
M 4	1,3-Dichloropropene (total)	100				954400	20.0000	19.8310
M 3	Xylene (total)	106				2146077	30.0000	30.0614
7	dichlorodifluoromethane	85	4.480	4.480	(0.521)	495869	10.0000	10.8166
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	4.726	4.726	(0.549)	309978	10.0000	10.7066
10	Vinyl Chloride	62	4.894	4.894	(0.569)	392818	10.0000	10.7934
12	Bromomethane	94	5.298	5.298	(0.616)	326992	10.0000	9.97907
13	Chloroethane	64	5.367	5.367	(0.624)	247772	10.0000	10.8997
15	Trichlorofluoromethane	101	5.693	5.693	(0.662)	698909	10.0000	10.1569(M)
16	Ethanol	45	5.693	5.693	(0.662)	50012	500.000	495.684
22	Acrolein	56	6.008	6.008	(0.699)	169525	100.000	91.0694
24	Acetone	43	6.127	6.127	(0.712)	118049	40.0000	39.5360
25	1,1-Dichloroethene	96	6.146	6.146	(0.715)	451555	10.0000	9.79468
26	Iodomethane	142	6.354	6.354	(0.739)	1029031	10.0000	10.3130
28	Acetonitrile	41	6.393	6.393	(0.743)	91476	100.000	102.730(M)
31	tert-Butyl alcohol	59	6.492	6.492	(0.755)	211263	200.000	200.165
32	Methylene Chloride	84	6.541	6.541	(0.760)	392556	10.0000	9.44870

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
33	Acrylonitrile	53	6.728	6.728	(0.782)	348721	100.000	99.1155
35	trans-1,2-Dichloroethene	96	6.778	6.778	(0.788)	479539	10.0000	9.63561
38	Isopropyl ether	87	7.073	7.073	(0.822)	1182070	50.0000	47.6407
39	1,1-Dichloroethane	63	7.142	7.142	(0.830)	799277	10.0000	9.70555
40	Chloroprene	53	7.211	7.211	(0.838)	760376	10.0000	11.1178
43	2-Butanone	43	7.566	7.566	(0.880)	170375	40.0000	37.9679
45	cis-1,2-Dichloroethene	96	7.626	7.626	(0.887)	453049	10.0000	9.63669
46	Propionitrile	54	7.645	7.645	(0.889)	126998	100.000	99.7316
47	2,2-Dichloropropane	77	7.645	7.645	(0.889)	730046	10.0000	10.2496
48	Methacrylonitrile	41	7.774	7.774	(0.904)	662781	100.000	102.904
49	Bromochloromethane	128	7.843	7.843	(0.912)	192841	10.0000	9.20708
50	Chloroform	83	7.852	7.852	(0.913)	814020	10.0000	9.43823
54	1,1,1-Trichloroethane	97	8.089	8.089	(0.940)	728399	10.0000	9.78428
53	Isobutanol	41	8.069	8.069	(0.938)	58620	200.000	218.964
56	1,1-Dichloropropene	75	8.198	8.198	(0.953)	719938	10.0000	9.70448
57	Carbon Tetrachloride	117	8.237	8.237	(0.958)	695342	10.0000	9.53528
60	1,2-Dichloroethane	62	8.395	8.395	(0.976)	373437	10.0000	10.4101
61	Benzene	78	8.405	8.405	(0.977)	1659684	10.0000	10.3325
63	n-Butanol	56	8.631	8.631	(1.003)	88426	300.000	294.441
64	Trichloroethene	95	8.917	8.917	(1.037)	490751	10.0000	9.71699
68	1,2-Dichloropropane	63	9.134	9.134	(1.062)	348509	10.0000	9.77487
69	1,4-Dioxane	88	9.194	9.194	(1.069)	63169	500.000	512.529
70	Dibromomethane	93	9.263	9.263	(1.077)	170925	10.0000	9.99296
71	Bromodichloromethane	83	9.332	9.332	(1.085)	491992	10.0000	9.69574
74	cis-1,3-Dichloropropene	75	9.716	9.716	(1.130)	543379	10.0000	9.63493
75	4-Methyl-2-pentanone	43	9.775	9.775	(1.136)	403639	40.0000	40.3854
77	Toluene	91	10.051	10.051	(1.169)	1717042	10.0000	9.99645
79	trans-1,3-Dichloropropene	75	10.190	10.190	(1.185)	411021	10.0000	10.1961
80	1,1,2-Trichloroethane	97	10.397	10.397	(1.209)	192216	10.0000	10.0035
81	2-Hexanone	43	10.545	10.545	(0.919)	281719	40.0000	41.4587
82	1,3-Dichloropropane	76	10.584	10.584	(0.923)	348888	10.0000	9.87460
83	Tetrachloroethene	164	10.594	10.594	(0.923)	482678	10.0000	10.1882
84	Dibromochloromethane	129	10.840	10.840	(0.945)	318936	10.0000	9.68266
86	1,2-Dibromoethane	107	11.028	11.028	(0.961)	212705	10.0000	10.2023
87	1-Chlorohexane	91	11.324	11.324	(0.987)	703489	10.0000	9.86140
89	Chlorobenzene	112	11.501	11.501	(1.003)	1085518	10.0000	9.37858
90	1,1,1,2-Tetrachloroethane	131	11.550	11.550	(1.007)	391012	10.0000	9.57736
91	Ethylbenzene	106	11.550	11.550	(1.007)	603024	10.0000	9.96438
92	m and p-Xylene	106	11.669	11.669	(1.017)	1479908	20.0000	20.0900
93	o-Xylene	106	12.162	12.162	(1.060)	666169	10.0000	9.97148
94	Styrene	104	12.162	12.162	(1.060)	1068268	10.0000	10.1920
95	Bromoform	173	12.467	12.467	(1.087)	161756	10.0000	10.3087
96	isopropyl benzene	105	12.546	12.546	(0.892)	2049605	10.0000	10.2523
98	Cyclohexanone	55	12.744	12.744	(1.111)	166122	400.000	354.527
100	1,1,2,2-Tetrachloroethane	83	12.842	12.842	(0.913)	207348	10.0000	9.95713
102	1,2,3-Trichloropropane	110	12.941	12.941	(0.920)	52074	10.0000	10.1516(Q)
103	Bromobenzene	156	12.990	12.990	(0.924)	479584	10.0000	9.93998
104	n-Propylbenzene	120	12.990	12.990	(0.924)	567004	10.0000	9.92616
106	2-Chlorotoluene	126	13.148	13.148	(0.935)	480665	10.0000	9.62690
105	1,3,5-Trimethylbenzene	105	13.138	13.138	(0.934)	1596907	10.0000	10.0409
107	4-Chlorotoluene	126	13.256	13.256	(0.943)	487386	10.0000	9.79743
108	tert-Butylbenzene	119	13.533	13.533	(0.962)	1576645	10.0000	10.1239
109	1,2,4-Trimethylbenzene	105	13.582	13.582	(0.966)	1603165	10.0000	10.1547
110	sec-Butylbenzene	134	13.779	13.779	(0.980)	489462	10.0000	9.93394

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
111 4-Isopropyltoluene	119	13.907	13.907	(0.989)	1961486	10.0000	10.0298
112 1,3-Dichlorobenzene	146	13.996	13.996	(0.995)	969714	10.0000	9.83814
114 1,4-dichlorobenzene	146	14.095	14.095	(1.002)	924986	10.0000	9.39106
116 n-Butylbenzene	91	14.410	14.410	(1.025)	1910154	10.0000	10.4534
117 1,2-Dichlorobenzene	146	14.578	14.578	(1.036)	754487	10.0000	9.66401
118 1,2-Dibromo-3-chloropropane	157	15.574	15.574	(1.107)	37794	10.0000	10.2479
120 1,2,4-Trichlorobenzene	180	16.787	16.787	(1.194)	512116	10.0000	9.97934
121 Hexachlorobutadiene	225	16.974	16.974	(1.207)	394937	10.0000	10.6441
122 Naphthalene	128	17.240	17.240	(1.226)	576289	10.0000	9.39580
123 1,2,3-Trichlorobenzene	180	17.645	17.645	(1.254)	390554	10.0000	9.90167

QC Flag Legend

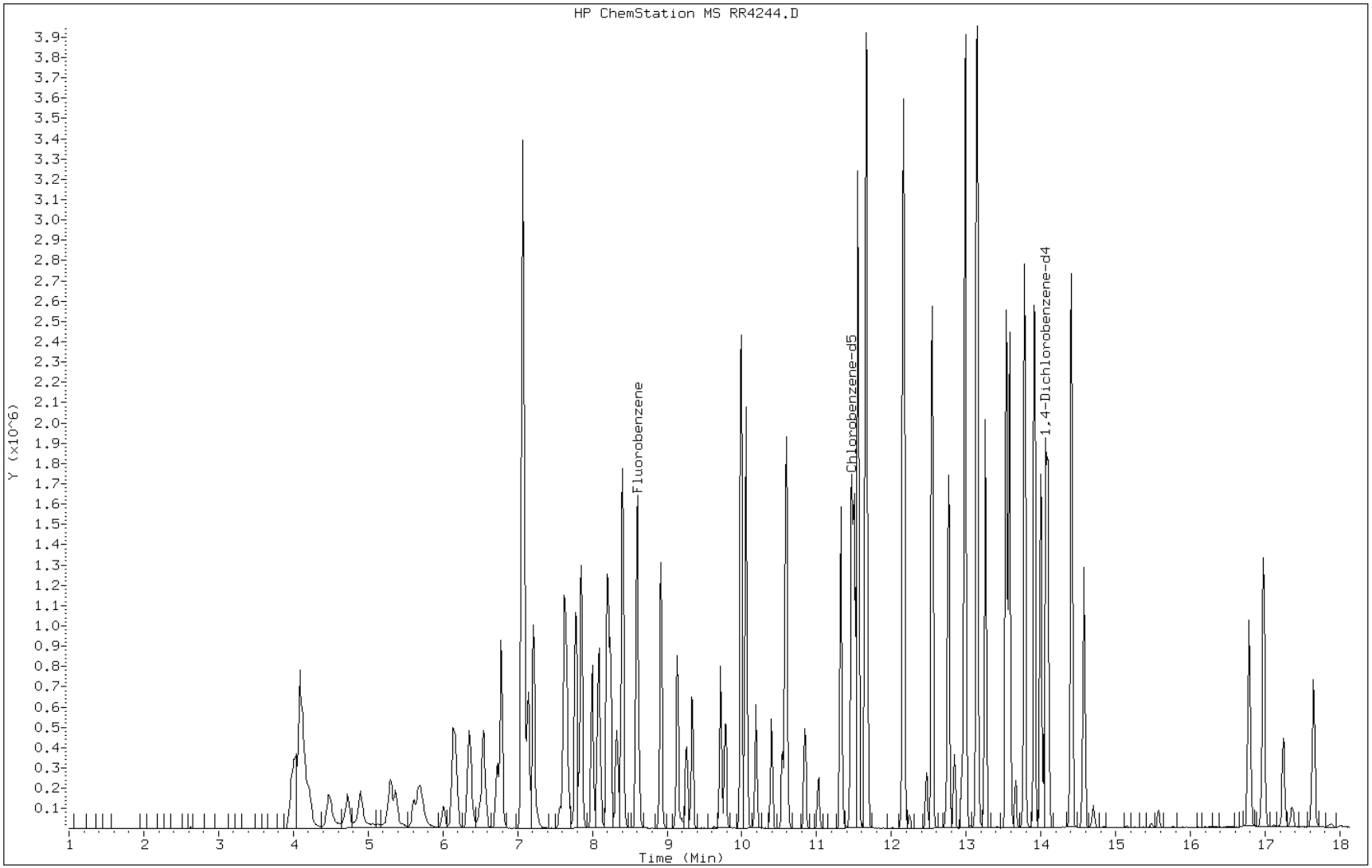
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: RR4244.D

Date: 09-APR-2012 06:30

Client ID: Instrument: R2.i

Sample Info: CCV,,M 5uL Operator: DOBRANSKYM



Manual Integration Report

Data File: RR4244.D
Inj. Date and Time: 09-APR-2012 06:30
Instrument ID: R2.i
Client ID:
Compound: 28 Acetonitrile
CAS #: 75-05-8
Report Date: 04/09/2012

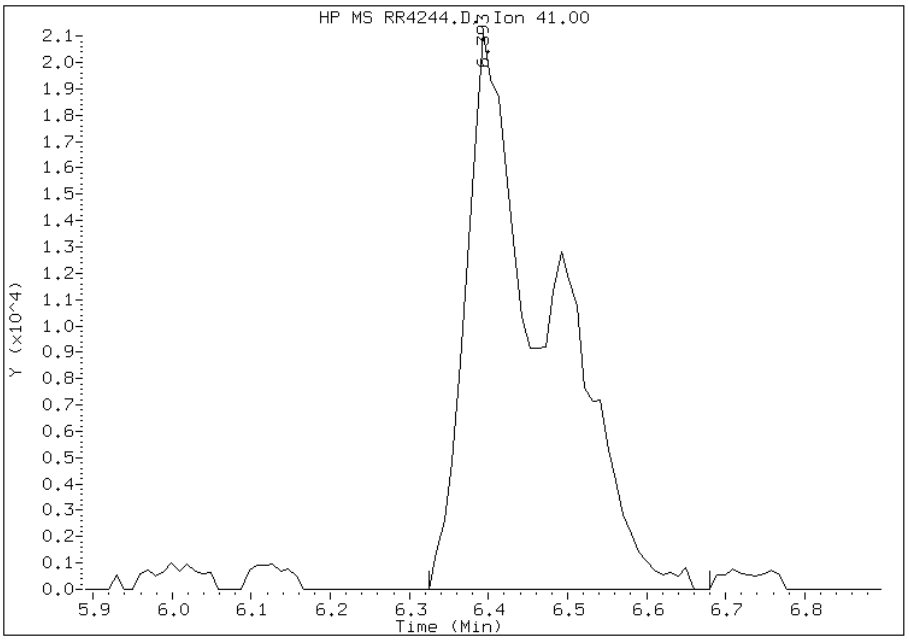
Processing Integration Results

RT: 6.39

Response: 154848

Amount: 174

Conc: 174



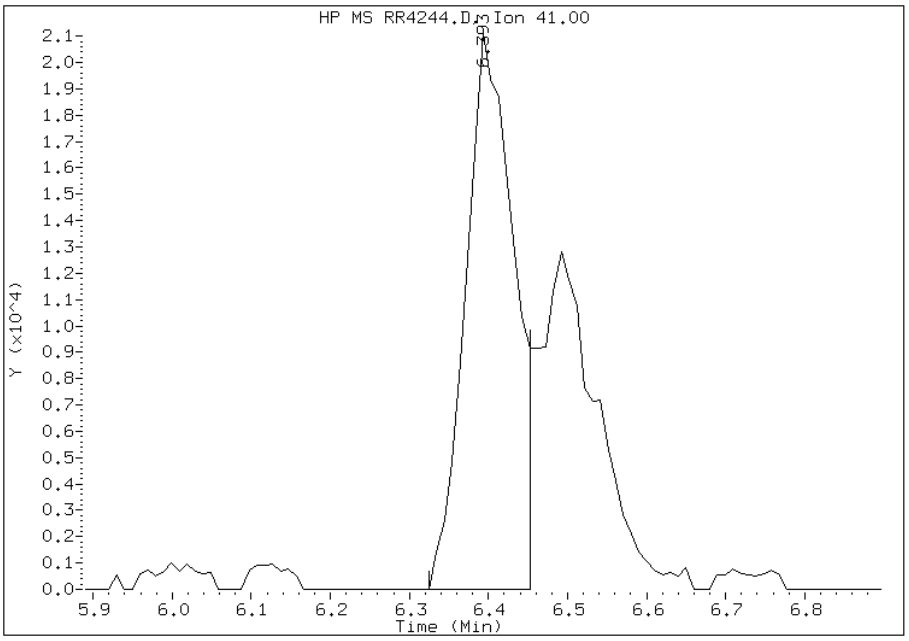
Manual Integration Results

RT: 6.39

Response: 91476

Amount: 103

Conc: 103



Manually Integrated By: dobranskym
Manual Integration Reason: Peak Tailing or Fronting

Manual Integration Report

Data File: RR4244.D
Inj. Date and Time: 09-APR-2012 06:30
Instrument ID: R2.i
Client ID:
Compound: 15 Trichlorofluoromethane
CAS #:
Report Date: 04/09/2012

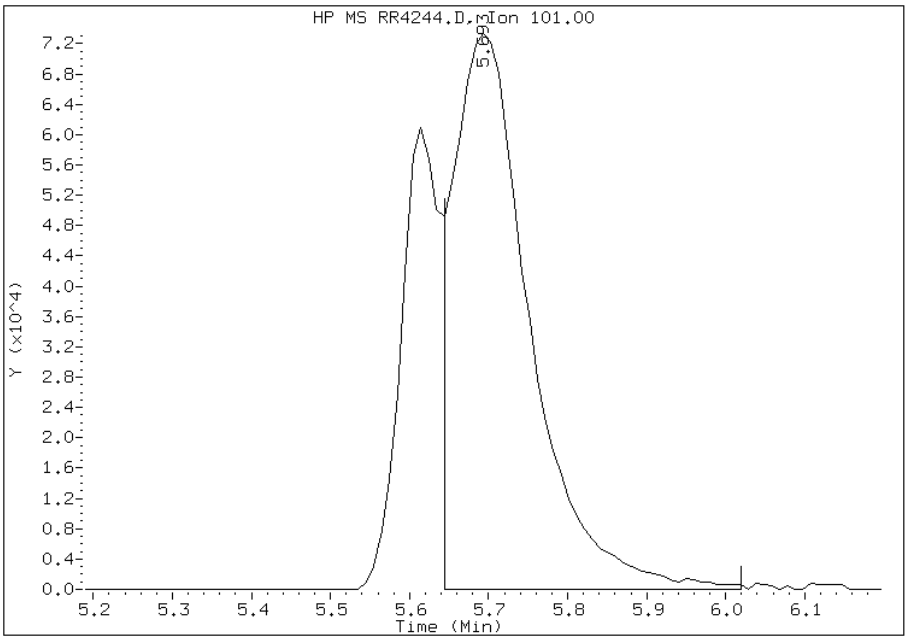
Processing Integration Results

RT: 5.69

Response: 510182

Amount: 7

Conc: 7



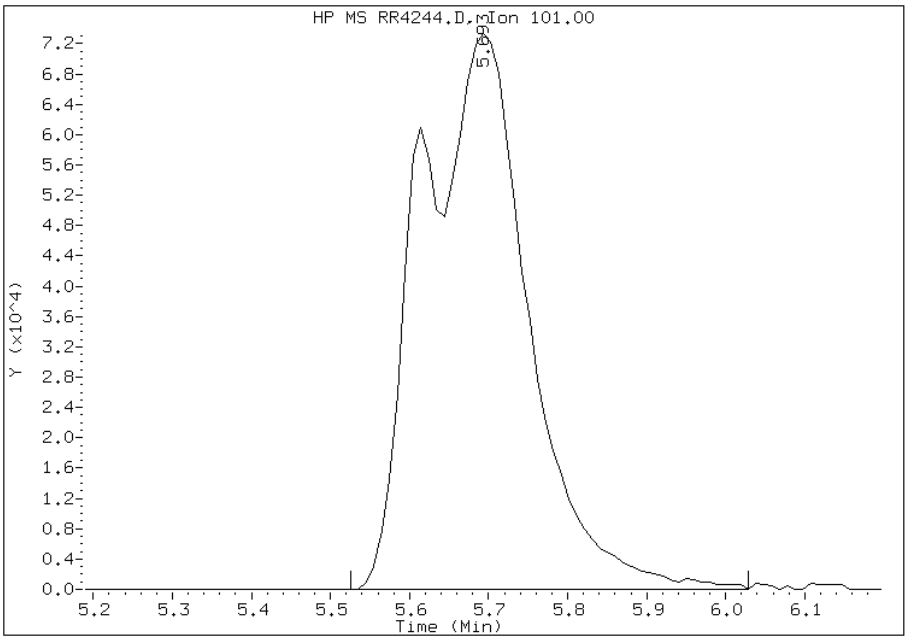
Manual Integration Results

RT: 5.69

Response: 698909

Amount: 10

Conc: 10



Manually Integrated By: dobranskym
Manual Integration Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114706/3 Calibration Date: 04/09/2012 06:54

Instrument ID: MSV_R2 Calib Start Date: 03/15/2012 06:48

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/15/2012 08:43

Lab File ID: RR4245.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.6319	0.6922		11.0	10.0	9.5	50.0
Ethyl ether	Ave	0.1212	0.1269		10.5	10.0	4.7	35.0
Isopropyl alcohol	Lin	0.0041	0.0042		236	200	17.8	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Lin	0.5230	0.5009		10.7	10.0	7.0	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.3210	0.3073		9.57	10.0	-4.3	50.0
Methyl acetate	Ave	0.0532	0.0530		49.8	50.0	-0.5	50.0
Allyl chloride	Ave	0.4000	0.3631		9.08	10.0	-9.2	35.0
Carbon disulfide	Ave	1.423	1.340		9.41	10.0	-5.9	20.0
Methyl tert-butyl ether	Ave	0.4142	0.4389		10.6	10.0	6.0	20.0
Hexane	Ave	1.975	1.931		9.78	10.0	-2.2	35.0
Vinyl acetate	Ave	0.2129	0.2176		20.4	20.0	2.2	50.0
Tert-butyl ethyl ether	Ave	0.5843	0.6108		52.3	50.0	4.5	35.0
Ethyl acetate	Ave	0.0852	0.0872		20.5	20.0	2.3	50.0
2-Butanol	Ave	0.0054	0.0053		294	300	-2.0	50.0
Tetrahydrofuran	Ave	0.0172	0.0175		20.4	20.0	1.9	50.0
Cyclohexane	Ave	0.5339	0.4840		9.07	10.0	-9.3	35.0
Tert-amyl methyl ether	Ave	0.4635	0.4922		53.1	50.0	6.2	35.0
2-Pentanone	Ave	0.0504	0.0518		41.1	40.0	2.7	50.0
Methyl methacrylate	Ave	0.0264	0.0294		22.2	20.0	11.1	35.0
Methylcyclohexane	Lin	0.4638	0.4144		9.87	10.0	-1.3	35.0
2-Chloroethyl vinyl ether	Ave	0.0770	0.0662		8.60	10.0	-14.0	50.0
2-Nitropropane	Ave	0.0216	0.0241		11.2	10.0	11.6	50.0
Ethyl methacrylate	Ave	0.6895	0.7488		21.7	20.0	8.6	35.0
cis-1,4-Dichloro-2-butene	Ave	0.0814	0.0778		9.55	10.0	-4.5	50.0
trans-1,4-Dichloro-2-butene	Ave	0.0886	0.0823		9.29	10.0	-7.1	50.0
Dibromofluoromethane (Surr)	Ave	0.3703	0.3835		10.9	10.5	3.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2616	0.2816		11.3	10.5	7.7	20.0
Toluene-d8 (Surr)	Ave	5.100	5.533		11.4	10.5	8.5	20.0
4-Bromofluorobenzene (Surr)	Ave	1.143	1.132		10.4	10.5	-1.0	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\RR4245.D
Lab Smp Id: CCV
Inj Date : 09-APR-2012 06:54
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,S 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\8260B-H2O.m
Meth Date : 09-Apr-2012 09:16 R2.i Quant Type: ISTD
Cal Date : 15-MAR-2012 07:57 Cal File: RR3339.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.601	8.601	(1.000)	1717813	12.5000	
* 88 Chlorobenzene-d5	119	11.471	11.471	(1.000)	384820	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.064	14.064	(1.000)	612554	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.999	7.999	(0.930)	553297	10.0000	10.8722
$ 58 1,2-Dichloroethane-d4	65	8.325	8.325	(0.968)	406374	10.0000	11.3048
$ 76 Toluene-d8	98	9.991	9.991	(0.871)	1788640	10.0000	11.3918
$ 99 4-Bromofluorobenzene (Surr)	95	12.762	12.762	(0.907)	582469	10.0000	10.3962
11 Ethylene Oxide	43	5.238	5.238	(0.609)	723159	1250.00	1498.62(Q)
14 Dichlorofluoromethane	67	5.564	5.564	(0.647)	951285	10.0000	10.9539
17 1,2-dichloro-1,1,2-trifluoroe	117	5.840	5.840	(0.679)	484061	10.0000	9.73395
21 Propylene Oxide	58	5.958	5.958	(0.693)	1166262	500.000	542.073
19 Ethyl Ether	59	5.830	5.830	(0.678)	174425	10.0000	10.4718
20 2,2-dichloro-1,1,1-trifluoroe	83	5.879	5.879	(0.684)	688395	10.0000	10.6952
23 Trichlorotrifluoroethane	151	6.126	6.126	(0.712)	422283	10.0000	9.57247
18 2-propanol	45	5.830	5.830	(0.678)	114955	200.000	235.695
27 Methyl Acetate	43	6.372	6.372	(0.741)	363935	50.0000	49.7632
29 Allyl Chloride	41	6.431	6.431	(0.748)	499000	10.0000	9.07880
30 Carbon Disulfide	76	6.451	6.451	(0.750)	1841343	10.0000	9.41350
34 Methyl t-butyl ether	73	6.727	6.727	(0.782)	603165	10.0000	10.5957
36 Hexane	57	6.944	6.944	(0.605)	594609	10.0000	9.77754
37 Vinyl acetate	43	7.072	7.072	(0.822)	598106	20.0000	20.4446
41 ETBE	59	7.378	7.378	(0.858)	4197235	50.0000	52.2745

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
42 Ethyl Acetate	43	7.546	7.546	(0.877)	239538	20.0000	20.4501
44 2-Butanol	45	7.605	7.605	(0.884)	218151	300.000	294.018
51 Tetrahydrofuran	42	7.871	7.871	(0.915)	48098	20.0000	20.3778
55 Cyclohexane	56	8.157	8.157	(0.948)	665165	10.0000	9.06590
59 TAME	73	8.384	8.384	(0.975)	3382196	50.0000	53.1000
65 2-Pentanone	43	8.966	8.966	(1.042)	284726	40.0000	41.0725
67 Methyl Cyclohexane	55	9.124	9.124	(1.061)	569444	10.0000	9.87256
66 Methyl Methacrylate	100	9.064	9.064	(1.054)	80662	20.0000	22.2162
73 2-nitropropane	41	9.508	9.508	(1.105)	33109	10.0000	11.1608
72 2-Chloroethyl vinyl ether	63	9.498	9.498	(1.104)	90929	10.0000	8.59775
78 Ethyl methacrylate	69	10.149	10.149	(0.885)	461031	20.0000	21.7188
85 Tetrahydrothiophene	60	10.899	10.899	(0.950)	104897	10.0000	10.6590
97 cis-1,4-dichloro-2-butene	53	12.595	12.595	(0.896)	38111	10.0000	9.55337
101 t-1,4-Dichloro-2-butene	53	12.891	12.891	(0.917)	40350	10.0000	9.28874
115 1,2,3-Trimethylbenzene	105	14.104	14.104	(1.003)	1357957	10.0000	9.45535
119 Tetralin	104	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR4245.D

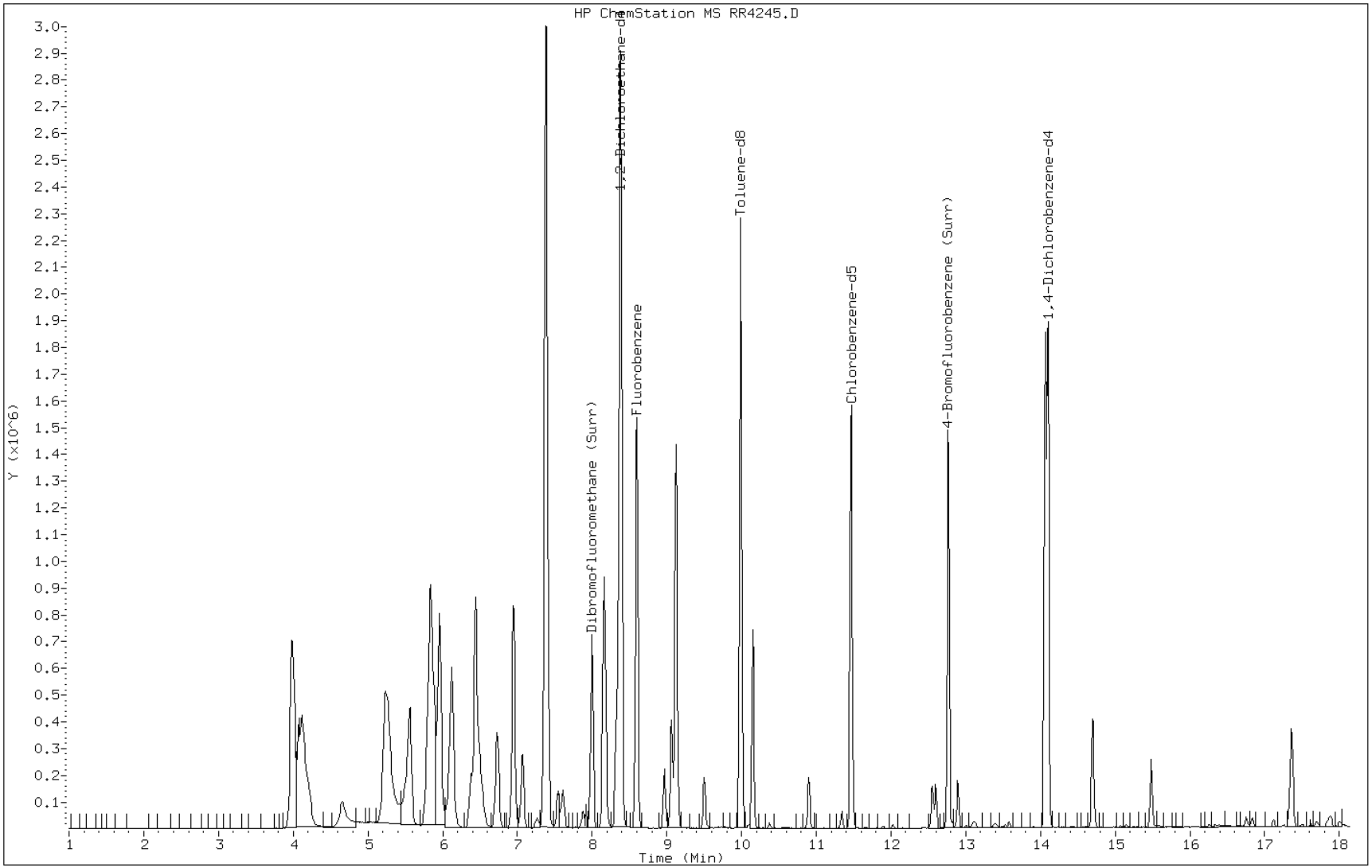
Date: 09-APR-2012 06:54

Client ID:

Instrument: R2.i

Sample Info: CCV,,S 5uL

Operator: DOBRANSKYM



TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5461.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 26-MAR-2012 06:47
Operator : REINHARDT Inst ID: G.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\032612.B\bfb390.m
Meth Date : 22-Apr-2011 19:16 reinhardtj Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC368

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.242	5.360	(0.000)	95	42144			0.00- 100.00	100.00
5.242	5.360	(0.000)	50	8216			15.00- 40.00	19.50
5.242	5.360	(0.000)	75	17904			30.00- 60.00	42.48
5.242	5.360	(0.000)	96	3115			5.00- 9.00	7.39
5.242	5.360	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.242	5.360	(0.000)	174	33744			50.00- 0.00	80.07
5.242	5.360	(0.000)	175	2634			5.00- 9.00	7.81
5.242	5.360	(0.000)	176	33288			95.00- 101.00	98.65
5.242	5.360	(0.000)	177	2241			5.00- 9.00	6.73

Data File: G5461.D

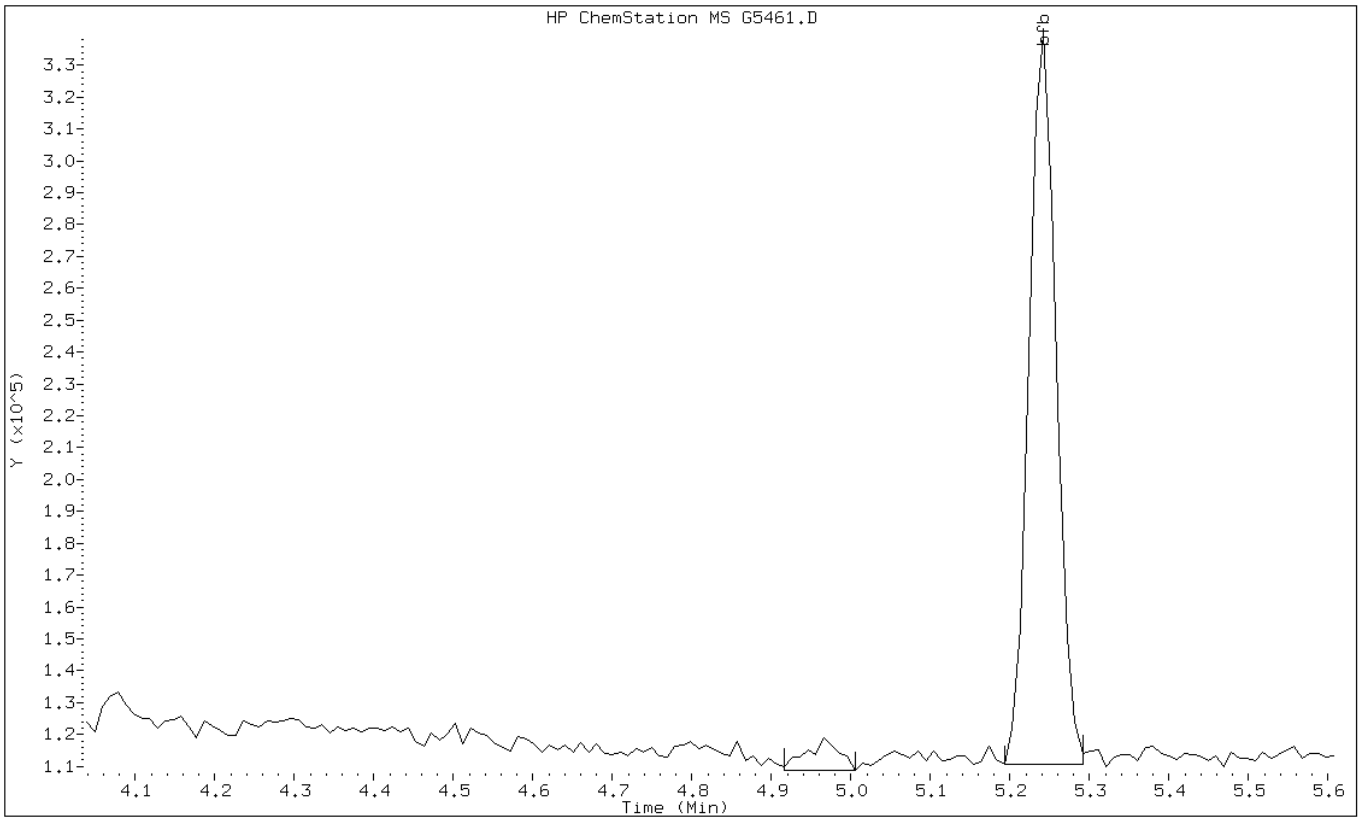
Date: 26-MAR-2012 06:47

Client ID: BFB

Instrument: G.i

Sample Info: BFB

Operator: REINHARDT



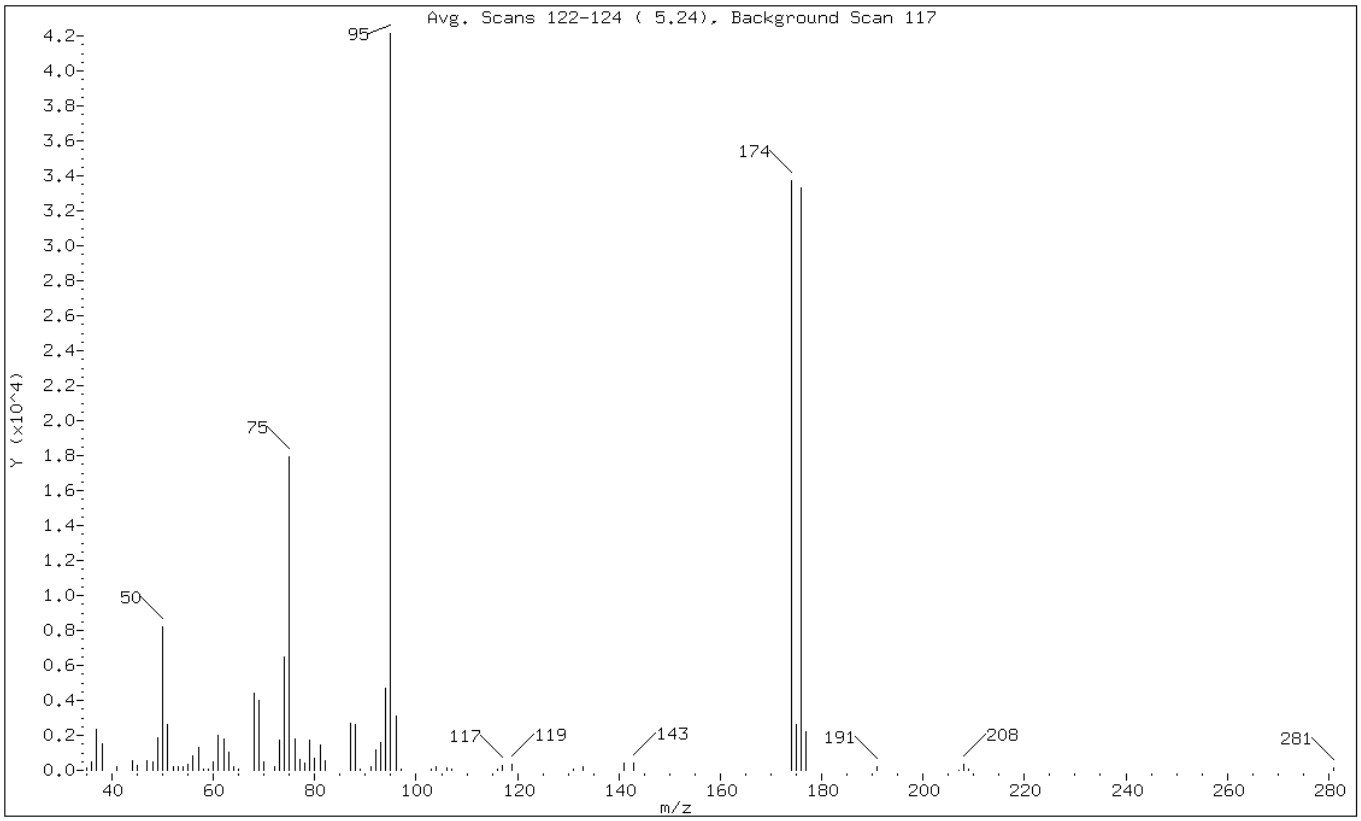
Data File: G5461.D

Date: 26-MAR-2012 06:47

Client ID: BFB Instrument: G.i

Sample Info: BFB Operator: REINHARDT

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.50
75	30.00 - 60.00% of mass 95	42.48
96	5.00 - 9.00% of mass 95	7.39
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	80.07
175	5.00 - 9.00% of mass 174	6.25 (7.81)
176	95.00 - 101.00% of mass 174	78.99 (98.65)
177	5.00 - 9.00% of mass 176	5.32 (6.73)

Data File: G5461.D

Date: 26-MAR-2012 06:47

Client ID: BFB

Instrument: G.i

Sample Info: BFB

Operator: REINHARDT

Data File: \\DenSvr03\Public\chem\MSV\G.i\032612.B\G5461.D
Spectrum: Avg. Scans 122-124 (5.24), Background Scan 117
Location of Maximum: 95.00
Number of points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	117	58.00	95	79.00	1709	116.00	84
36.00	516	59.00	90	80.00	671	117.00	310
37.00	2332	60.00	504	81.00	1448	119.00	363
38.00	1486	61.00	1978	82.00	551	131.00	83
41.00	196	62.00	1825	87.00	2715	133.00	193
44.00	562	63.00	1006	88.00	2603	141.00	384
45.00	306	64.00	195	89.00	95	143.00	409
47.00	576	65.00	94	91.00	202	174.00	33744
48.00	507	68.00	4430	92.00	1149	175.00	2634
49.00	1855	69.00	3992	93.00	1572	176.00	33288
50.00	8216	70.00	459	94.00	4710	177.00	2241
51.00	2616	72.00	240	95.00	42144	191.00	175
52.00	198	73.00	1732	96.00	3115	207.00	21
53.00	237	74.00	6464	97.00	85	208.00	344
54.00	212	75.00	17904	103.00	84	209.00	90
55.00	344	76.00	1782	104.00	218	281.00	116
56.00	837	77.00	618	106.00	109		
57.00	1344	78.00	426	107.00	88		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5631.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 04-APR-2012 07:14
Operator : HUBBSL Inst ID: G.i
Smp Info : CCV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\bfb390.m
Meth Date : 22-Apr-2011 19:16 reinhardtj Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC232

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.240	5.360	(0.000)	95	45696			0.00- 100.00	100.00
5.240	5.360	(0.000)	50	7434			15.00- 40.00	16.27
5.240	5.360	(0.000)	75	18744			30.00- 60.00	41.02
5.240	5.360	(0.000)	96	3440			5.00- 9.00	7.53
5.240	5.360	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.240	5.360	(0.000)	174	39032			50.00- 0.00	85.42
5.240	5.360	(0.000)	175	2949			5.00- 9.00	7.56
5.240	5.360	(0.000)	176	38120			95.00- 101.00	97.66
5.240	5.360	(0.000)	177	2781			5.00- 9.00	7.30

Data File: G5631.D

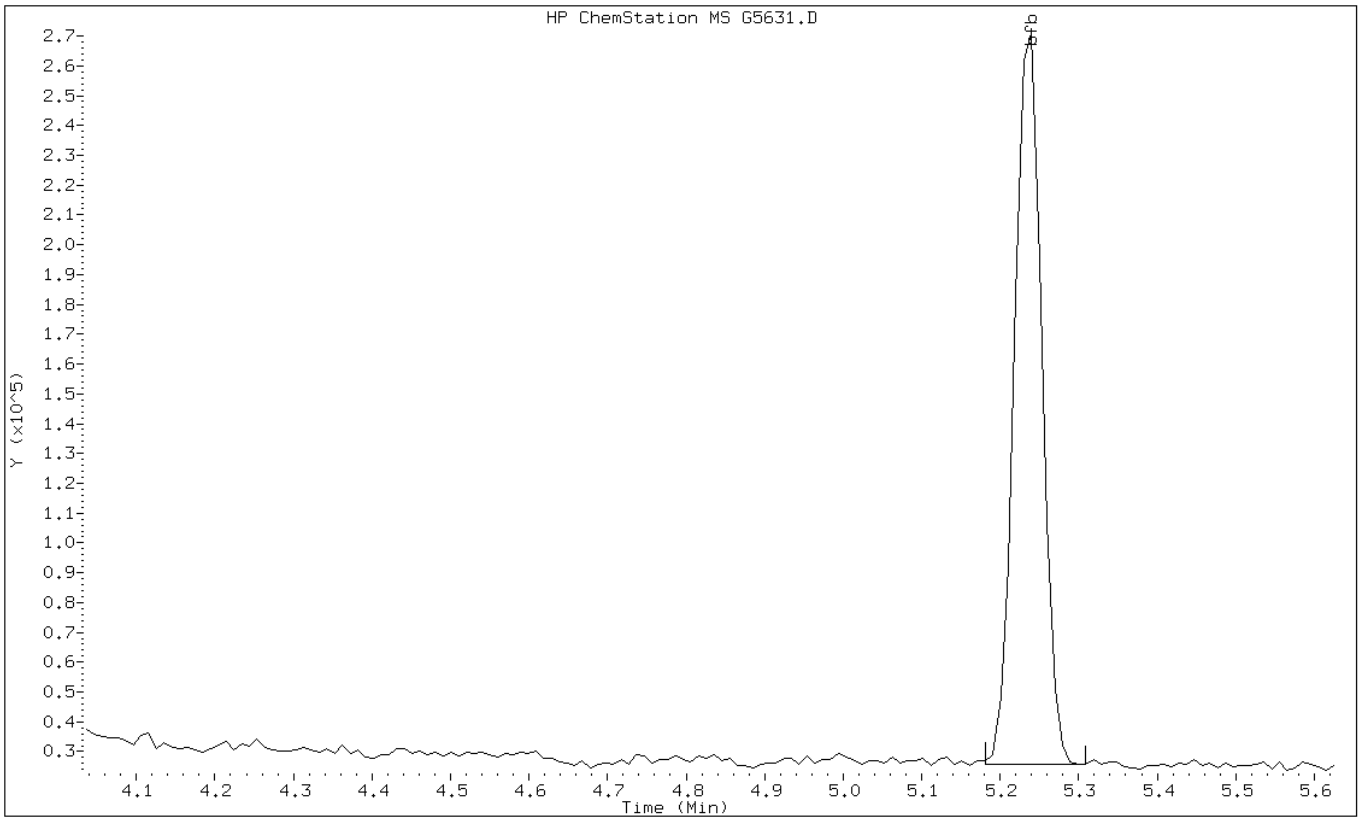
Date: 04-APR-2012 07:14

Client ID: BFB

Instrument: G.i

Sample Info: CCV,,S

Operator: HUBBSL



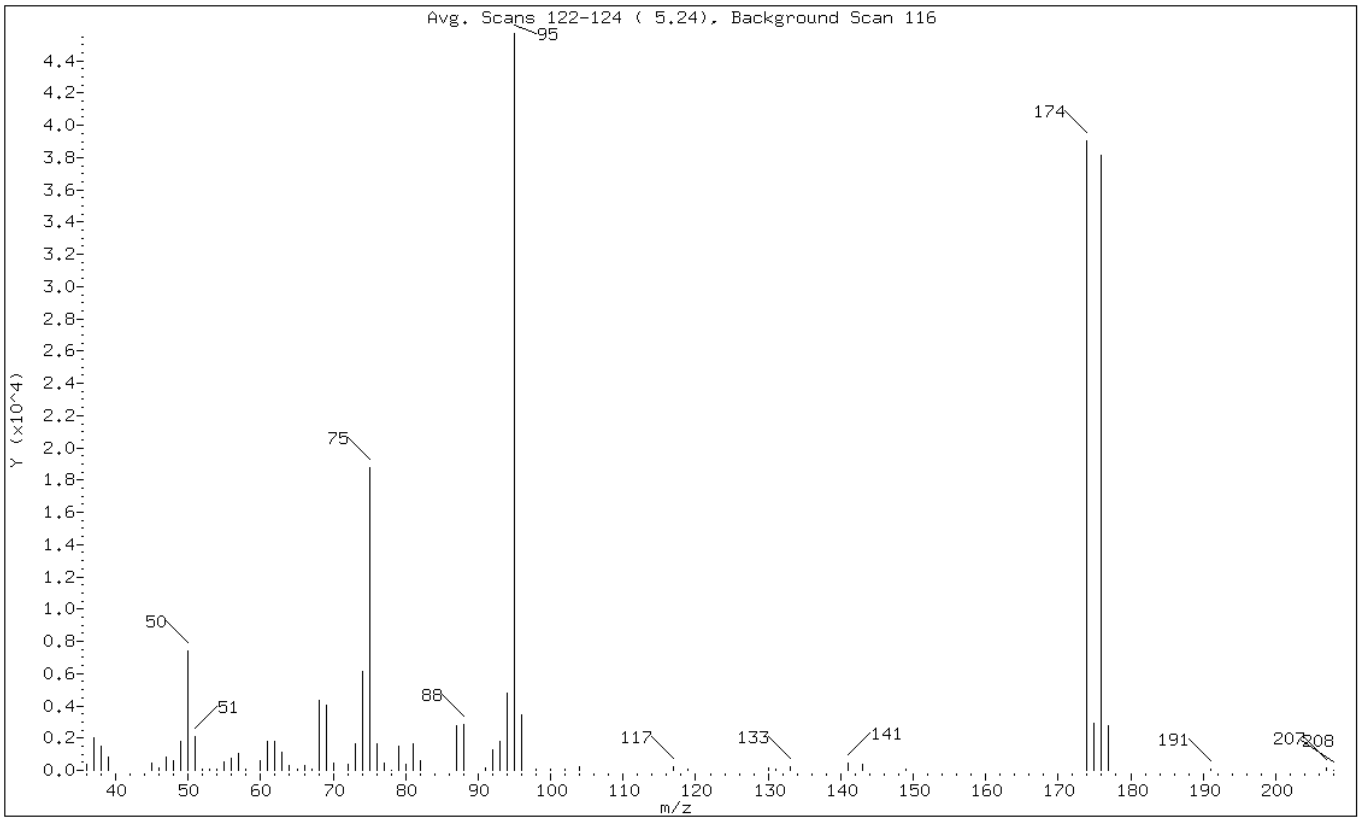
Data File: G5631.D

Date: 04-APR-2012 07:14

Client ID: BFB Instrument: G.i

Sample Info: CCV,,S Operator: HUBBSL

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.27
75	30.00 - 60.00% of mass 95	41.02
96	5.00 - 9.00% of mass 95	7.53
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	85.42
175	5.00 - 9.00% of mass 174	6.45 (7.56)
176	95.00 - 101.00% of mass 174	83.42 (97.66)
177	5.00 - 9.00% of mass 176	6.09 (7.30)

Data File: G5631.D

Date: 04-APR-2012 07:14

Client ID: BFB Instrument: G.i

Sample Info: CCV,,S Operator: HUBBSL

Data File: \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5631.D
Spectrum: Avg. Scans 122-124 (5.24), Background Scan 116
Location of Maximum: 95.00
Number of points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	391	58.00	92	77.00	427	104.00	201
37.00	2010	60.00	566	78.00	21	117.00	234
38.00	1478	61.00	1819	79.00	1511	119.00	60
39.00	808	62.00	1810	80.00	386	130.00	179
45.00	458	63.00	1128	81.00	1628	131.00	85
46.00	130	64.00	287	82.00	562	133.00	209
47.00	812	65.00	91	87.00	2800	141.00	428
48.00	591	66.00	327	88.00	2847	143.00	363
49.00	1819	67.00	111	91.00	176	149.00	105
50.00	7434	68.00	4303	92.00	1288	174.00	39032
51.00	2066	69.00	4069	93.00	1814	175.00	2949
52.00	92	70.00	482	94.00	4822	176.00	38120
53.00	90	72.00	397	95.00	45696	177.00	2781
54.00	89	73.00	1679	96.00	3440	191.00	89
55.00	498	74.00	6161	98.00	88	207.00	132
56.00	784	75.00	18744	100.00	85	208.00	18
57.00	1083	76.00	1648	102.00	90		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\G2_4846.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 23-MAR-2012 09:36
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\bfb390.m
Meth Date : 02-Dec-2010 17:03 ilczyszynd Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC368

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
4.783	4.890	(0.000)	95	33472			0.00- 100.00	100.00
4.783	4.890	(0.000)	50	6581			15.00- 40.00	19.66
4.783	4.890	(0.000)	75	16664			30.00- 60.00	49.78
4.783	4.890	(0.000)	96	2252			5.00- 9.00	6.73
4.783	4.890	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
4.783	4.890	(0.000)	174	25240			50.00- 0.00	75.41
4.783	4.890	(0.000)	175	1790			5.00- 9.00	7.09
4.783	4.890	(0.000)	176	24688			95.00- 101.00	97.81
4.783	4.890	(0.000)	177	1715			5.00- 9.00	6.95

Data File: G2_4846.D

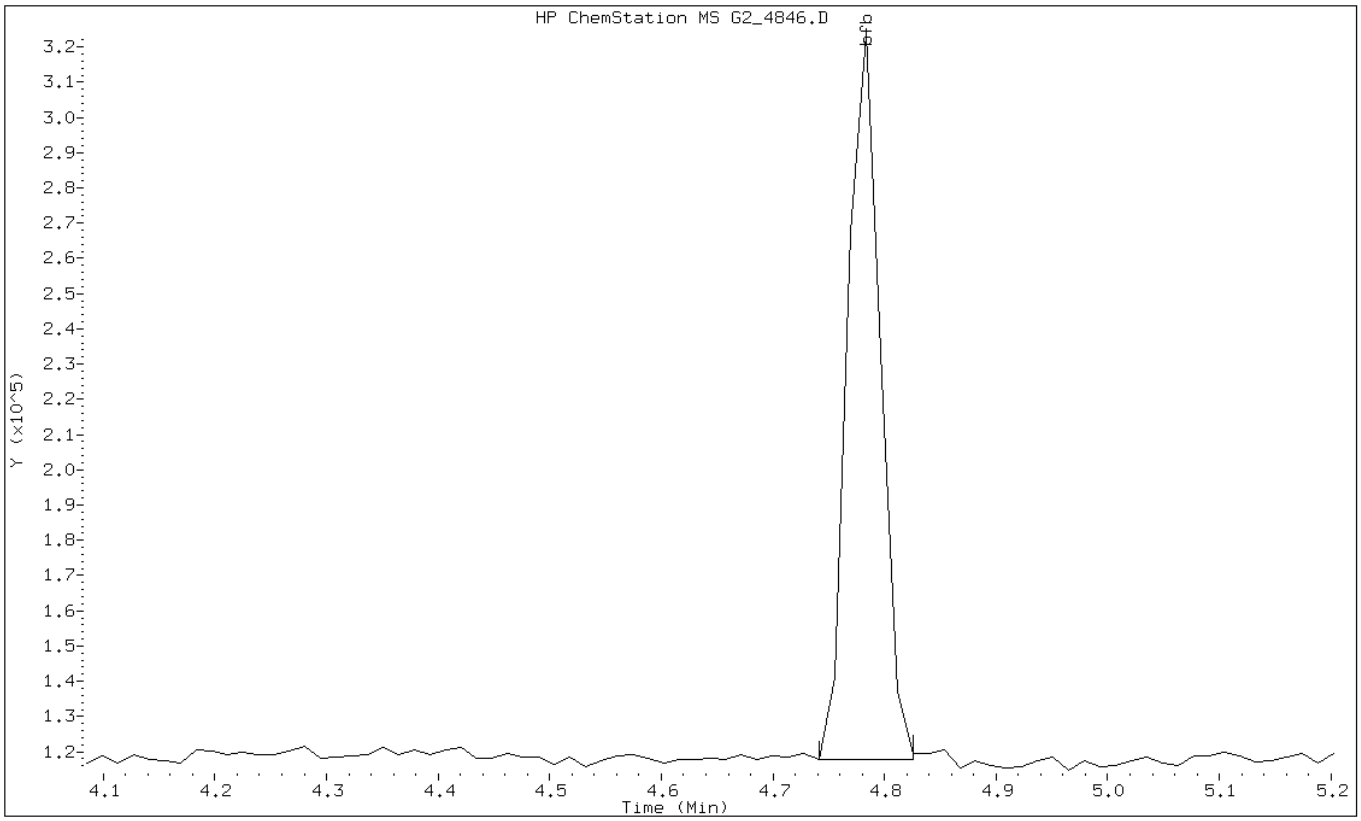
Date: 23-MAR-2012 09:36

Client ID: BFB

Instrument: GCMS2.i

Sample Info: BFB

Operator: REINHARDT



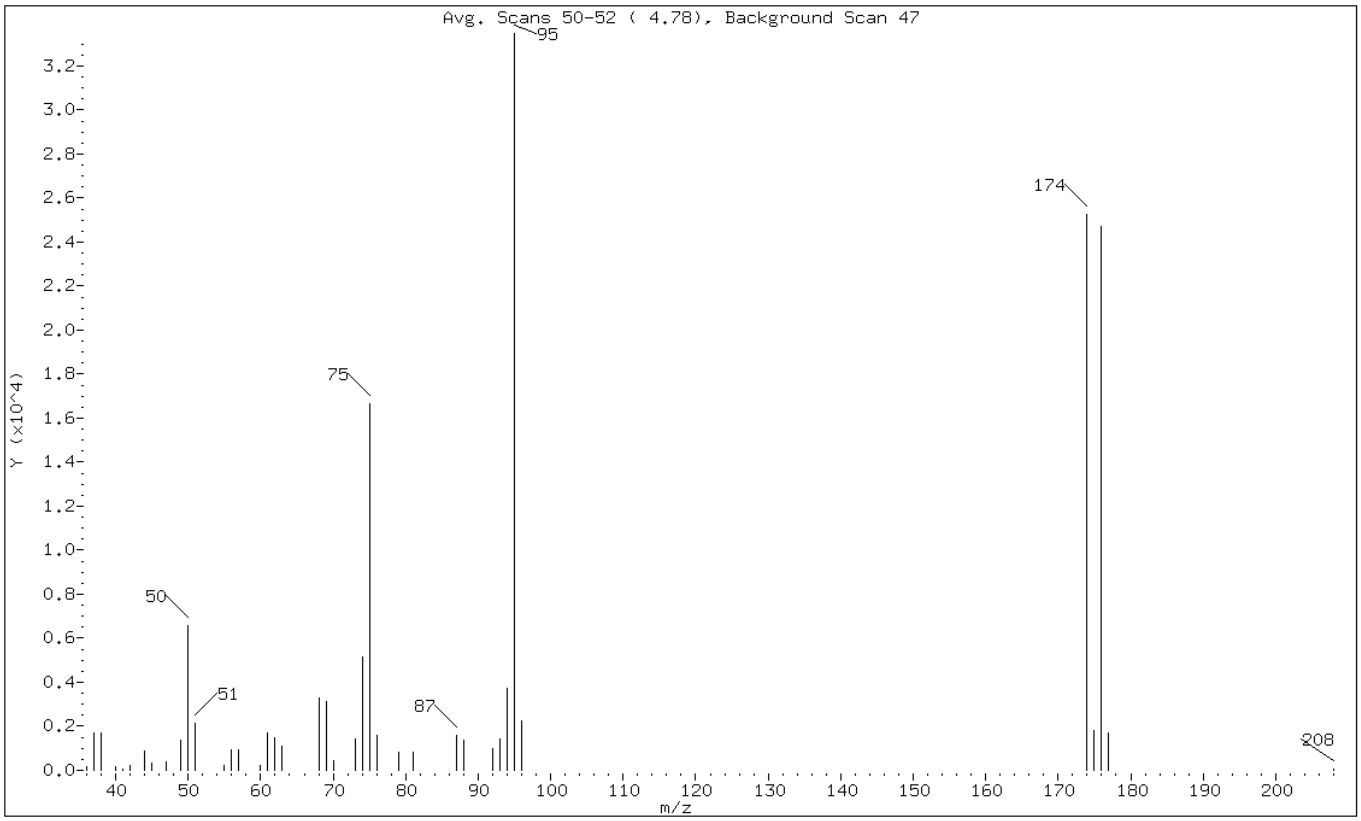
Data File: G2_4846.D

Date: 23-MAR-2012 09:36

Client ID: BFB Instrument: GCMS2.i

Sample Info: BFB Operator: REINHARDT

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.66
75	30.00 - 60.00% of mass 95	49.78
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	75.41
175	5.00 - 9.00% of mass 174	5.35 (7.09)
176	95.00 - 101.00% of mass 174	73.76 (97.81)
177	5.00 - 9.00% of mass 176	5.12 (6.95)

Data File: G2_4846.D

Date: 23-MAR-2012 09:36

Client ID: BFB Instrument: GCMS2.i

Sample Info: BFB Operator: REINHARDT

Data File: \\DenSvr03\Public\chem\MSV\GCMS2.i\032312I.b\G2_4846.D
Spectrum: Avg. Scans 50-52 (4.78), Background Scan 47
Location of Maximum: 95.00
Number of points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	167	51.00	2124	73.00	1446	95.00	33472
37.00	1701	55.00	240	74.00	5147	96.00	2252
38.00	1712	56.00	929	75.00	16664	174.00	25240
40.00	173	57.00	913	76.00	1607	175.00	1790
41.00	51	60.00	204	79.00	829	176.00	24688
42.00	245	61.00	1674	81.00	844	177.00	1715
44.00	898	62.00	1494	87.00	1598	208.00	37
45.00	304	63.00	1086	88.00	1344		
47.00	371	68.00	3273	92.00	970		
49.00	1347	69.00	3136	93.00	1414		
50.00	6581	70.00	448	94.00	3710		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4867.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 23-MAR-2012 20:34
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\bfb390.m
Meth Date : 02-Dec-2010 17:03 ilczyszynd Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC232

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
4.769	4.890	(0.000)	95	85552			0.00- 100.00	100.00
4.769	4.890	(0.000)	50	16928			15.00- 40.00	19.79
4.769	4.890	(0.000)	75	41416			30.00- 60.00	48.41
4.769	4.890	(0.000)	96	6055			5.00- 9.00	7.08
4.769	4.890	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
4.769	4.890	(0.000)	174	58912			50.00- 0.00	68.86
4.769	4.890	(0.000)	175	4224			5.00- 9.00	7.17
4.769	4.890	(0.000)	176	57208			95.00- 101.00	97.11
4.769	4.890	(0.000)	177	3713			5.00- 9.00	6.49

Data File: G2_4867.D

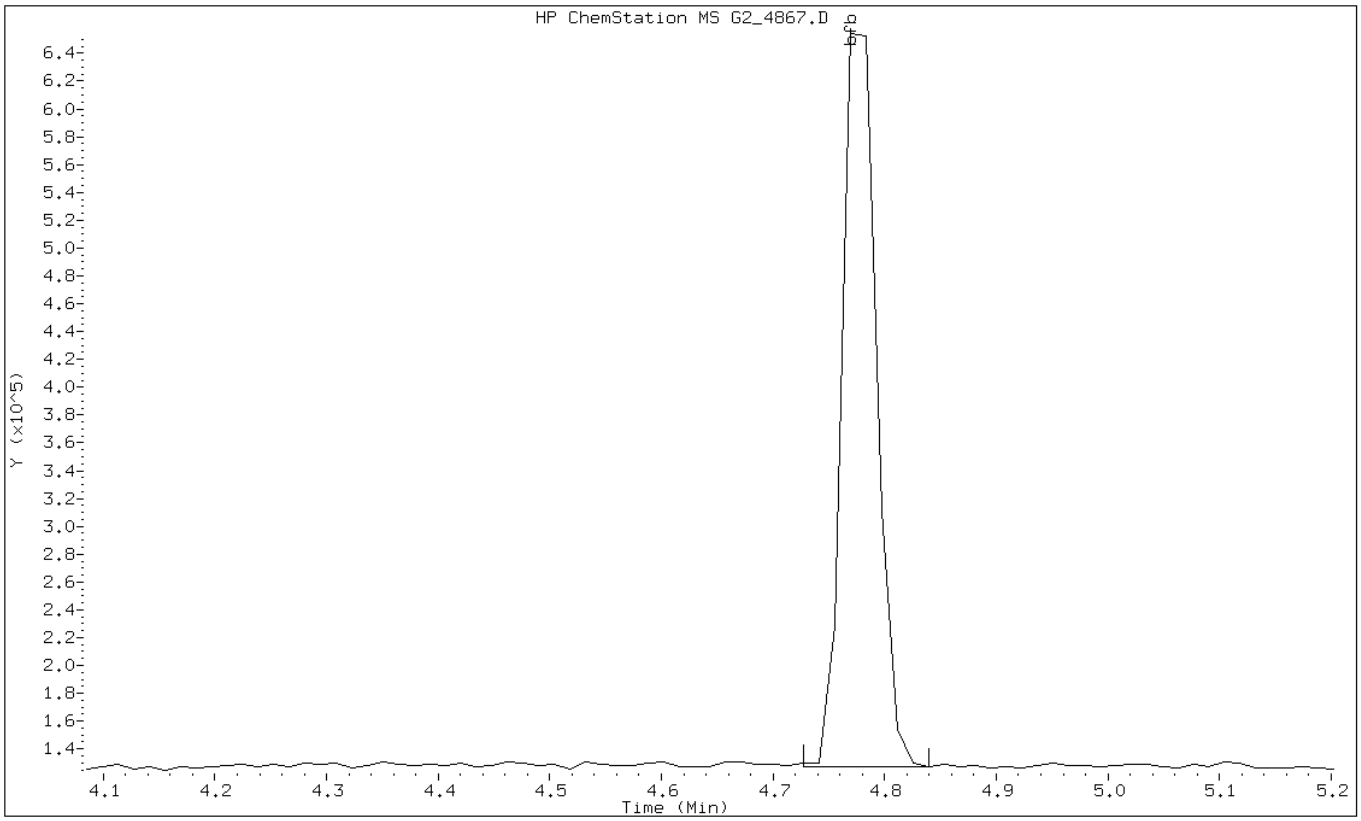
Date: 23-MAR-2012 20:34

Client ID: BFB

Instrument: GCMS2.i

Sample Info: BFB

Operator: JABLONSKIK



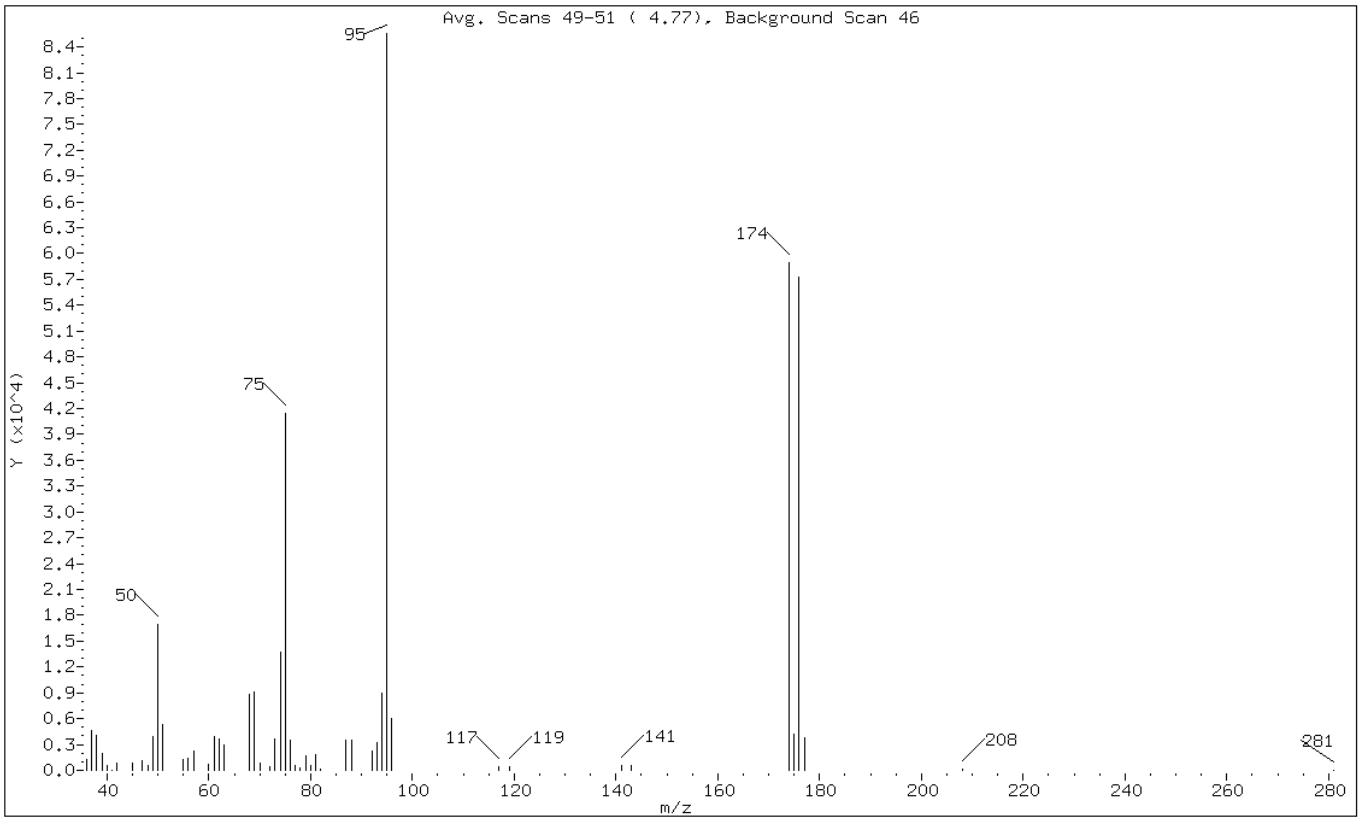
Data File: G2_4867.D

Date: 23-MAR-2012 20:34

Client ID: BFB Instrument: GCMS2.i

Sample Info: BFB Operator: JABLONSKIK

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.79
75	30.00 - 60.00% of mass 95	48.41
96	5.00 - 9.00% of mass 95	7.08
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.86
175	5.00 - 9.00% of mass 174	4.94 (7.17)
176	95.00 - 101.00% of mass 174	66.87 (97.11)
177	5.00 - 9.00% of mass 176	4.34 (6.49)

Data File: G2_4867.D

Date: 23-MAR-2012 20:34

Client ID: BFB

Instrument: GCMS2.i

Sample Info: BFB

Operator: JABLONSKIK

Data File: \\DenSvr03\Public\chem\MSV\GCMS2.i\032312P.b\G2_4867.D
Spectrum: Avg. Scans 49-51 (4.77), Background Scan 46
Location of Maximum: 95.00
Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1293	55.00	1293	75.00	41416	95.00	85552
37.00	4683	56.00	1380	76.00	3539	96.00	6055
38.00	4041	57.00	2219	77.00	582	117.00	404
39.00	2016	60.00	643	78.00	254	119.00	405
40.00	517	61.00	3902	79.00	1647	141.00	505
41.00	33	62.00	3647	80.00	508	143.00	504
42.00	839	63.00	2925	81.00	1796	174.00	58912
45.00	782	68.00	8783	82.00	170	175.00	4224
47.00	1176	69.00	9100	87.00	3556	176.00	57208
48.00	520	70.00	802	88.00	3526	177.00	3713
49.00	3865	72.00	462	92.00	2277	208.00	96
50.00	16928	73.00	3603	93.00	3197	281.00	57
51.00	5335	74.00	13654	94.00	8995		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\032412.b\G2_4891.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 24-MAR-2012 13:46
Operator : JABLONSKIK Inst ID: GCMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\032412.b\bfb390.m
Meth Date : 02-Dec-2010 17:03 ilczyszynd Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC232

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
4.783	4.890	(0.000)	95	86136			0.00- 100.00	100.00
4.783	4.890	(0.000)	50	17568			15.00- 40.00	20.40
4.783	4.890	(0.000)	75	42528			30.00- 60.00	49.37
4.783	4.890	(0.000)	96	5570			5.00- 9.00	6.47
4.783	4.890	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
4.783	4.890	(0.000)	174	63576			50.00- 0.00	73.81
4.783	4.890	(0.000)	175	4824			5.00- 9.00	7.59
4.783	4.890	(0.000)	176	61856			95.00- 101.00	97.29
4.783	4.890	(0.000)	177	4067			5.00- 9.00	6.57

Data File: G2_4891.D

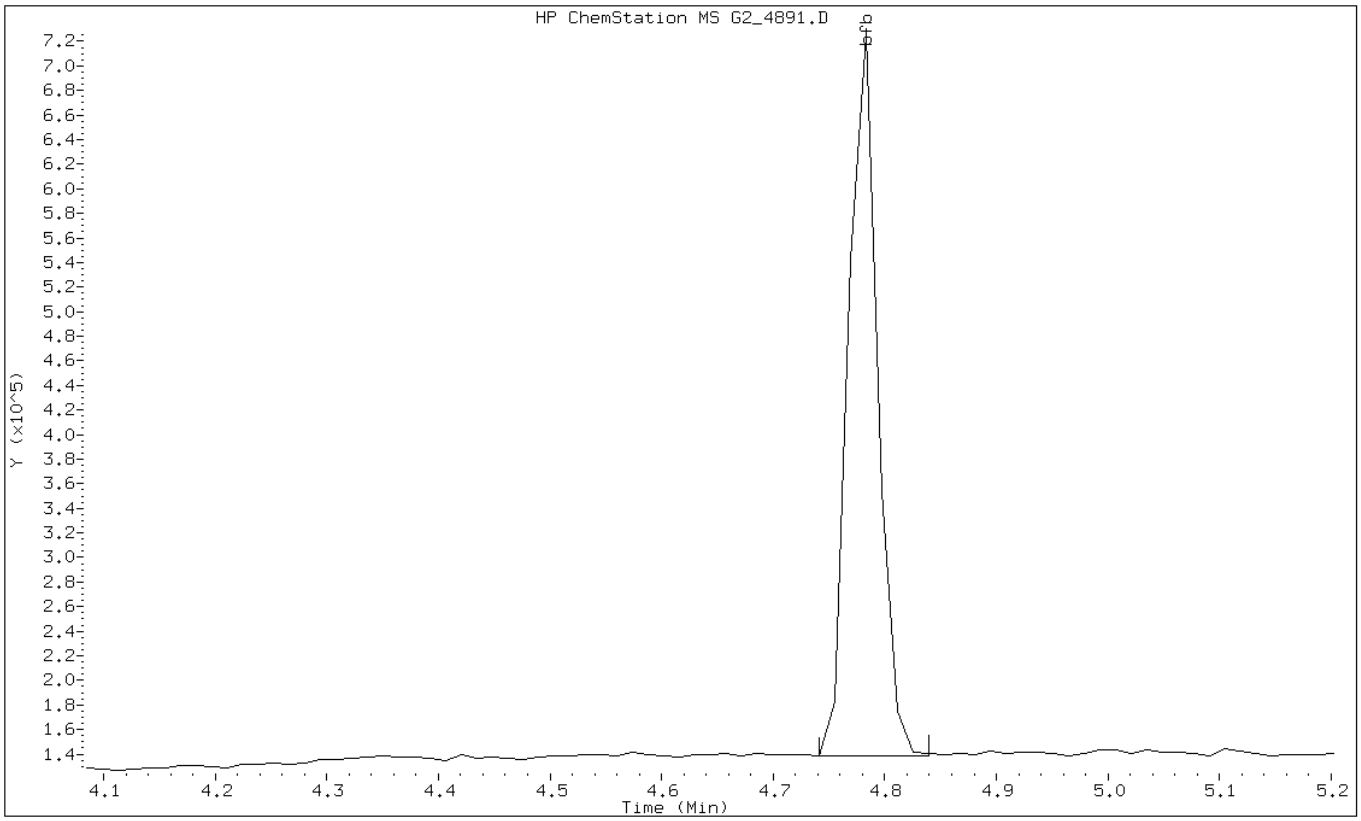
Date: 24-MAR-2012 13:46

Client ID: BFB

Instrument: GCMS2.i

Sample Info: BFB

Operator: JABLONSKIK



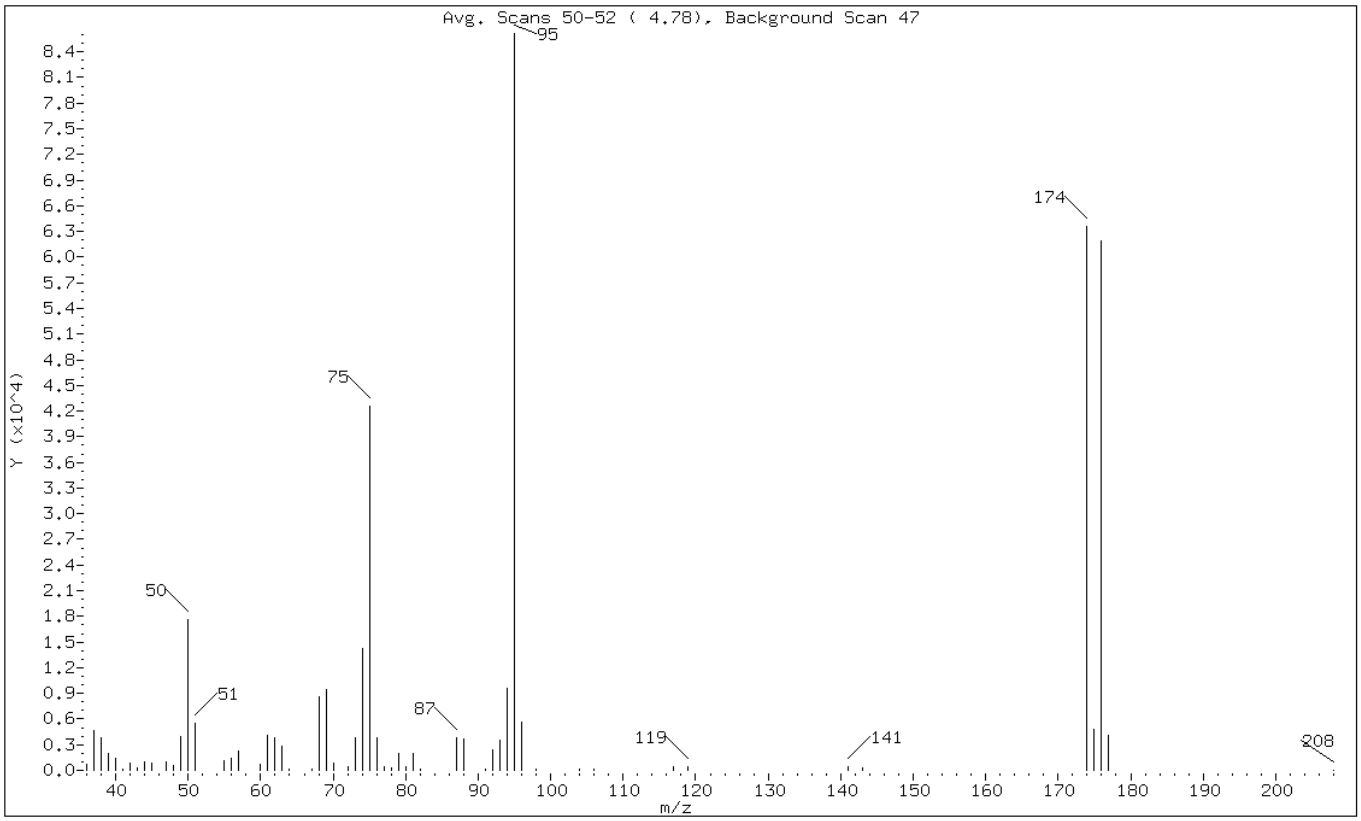
Data File: G2_4891.D

Date: 24-MAR-2012 13:46

Client ID: BFB Instrument: GCMS2.i

Sample Info: BFB Operator: JABLONSKIK

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.40
75	30.00 - 60.00% of mass 95	49.37
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	73.81
175	5.00 - 9.00% of mass 174	5.60 (7.59)
176	95.00 - 101.00% of mass 174	71.81 (97.29)
177	5.00 - 9.00% of mass 176	4.72 (6.57)

Data File: G2_4891.D

Date: 24-MAR-2012 13:46

Client ID: BFB

Instrument: GCMS2.i

Sample Info: BFB

Operator: JABLONSKIK

Data File: \\DenSvr03\Public\chem\MSV\GCMS2.i\032412.b\G2_4891.D
Spectrum: Avg. Scans 50-52 (4.78), Background Scan 47
Location of Maximum: 95.00
Number of points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	739	55.00	1094	75.00	42528	96.00	5570
37.00	4655	56.00	1402	76.00	3871	98.00	210
38.00	3755	57.00	2283	77.00	478	104.00	169
39.00	1962	60.00	732	78.00	226	106.00	172
40.00	1357	61.00	4142	79.00	1956	117.00	429
41.00	135	62.00	3865	80.00	491	119.00	443
42.00	796	63.00	2845	81.00	1924	141.00	460
43.00	227	64.00	188	82.00	194	143.00	311
44.00	981	67.00	194	87.00	3866	174.00	63576
45.00	834	68.00	8568	88.00	3622	175.00	4824
47.00	934	69.00	9467	91.00	182	176.00	61856
48.00	559	70.00	855	92.00	2460	177.00	4067
49.00	4004	72.00	420	93.00	3544	208.00	53
50.00	17568	73.00	3813	94.00	9587		
51.00	5438	74.00	14246	95.00	86136		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5380.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 06-APR-2012 06:42
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\bfb390.m
Meth Date : 02-Dec-2010 17:03 ilczyszynd Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC232

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
4.811	4.890	(0.000)	95	65008			0.00- 100.00	100.00
4.811	4.890	(0.000)	50	13586			15.00- 40.00	20.90
4.811	4.890	(0.000)	75	32872			30.00- 60.00	50.57
4.811	4.890	(0.000)	96	4689			5.00- 9.00	7.21
4.811	4.890	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
4.811	4.890	(0.000)	174	51392			50.00- 0.00	79.05
4.811	4.890	(0.000)	175	3603			5.00- 9.00	7.01
4.811	4.890	(0.000)	176	48864			95.00- 101.00	95.08
4.811	4.890	(0.000)	177	3536			5.00- 9.00	7.24

Data File: G2_5380.D

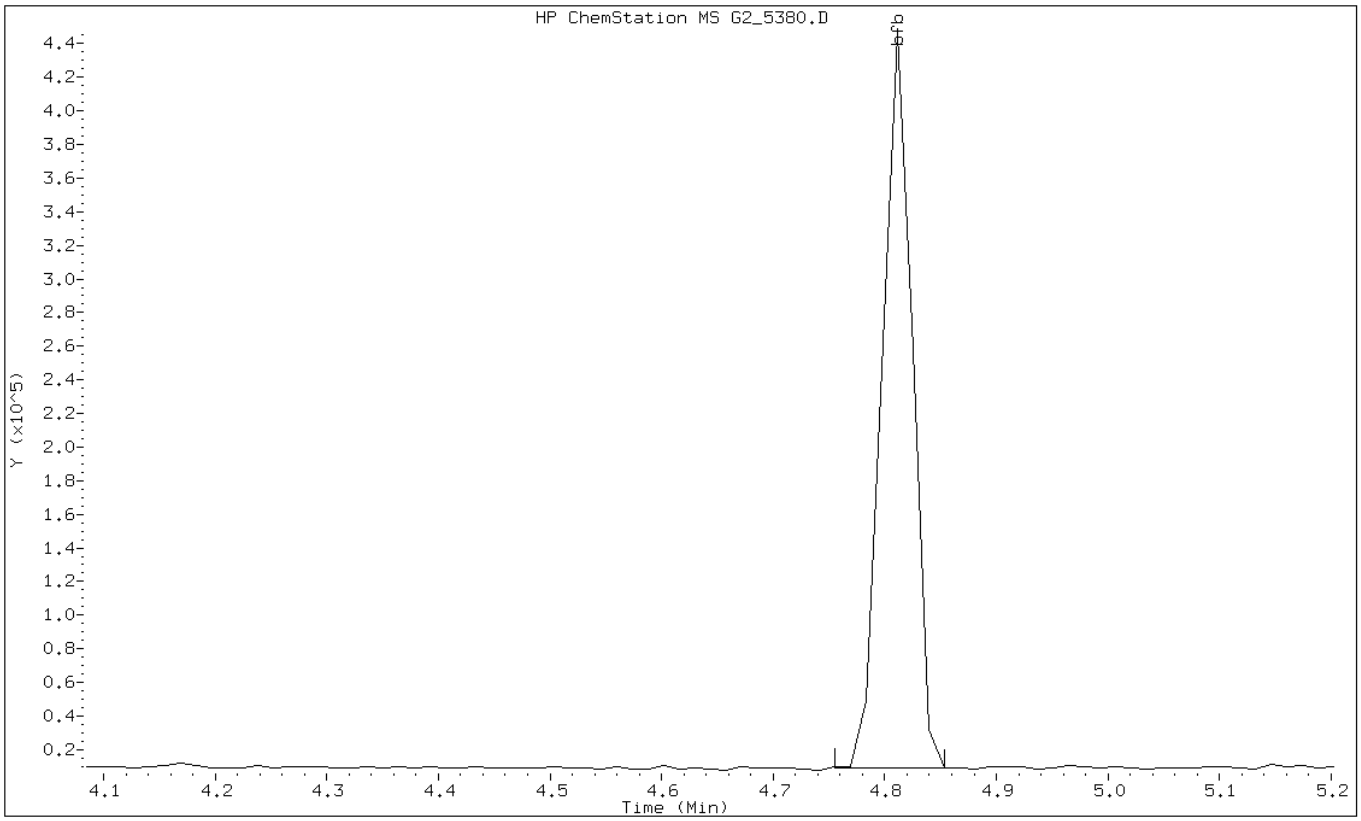
Date: 06-APR-2012 06:42

Client ID: BFB

Instrument: GCMS2.i

Sample Info: BFB

Operator: REINHARDT



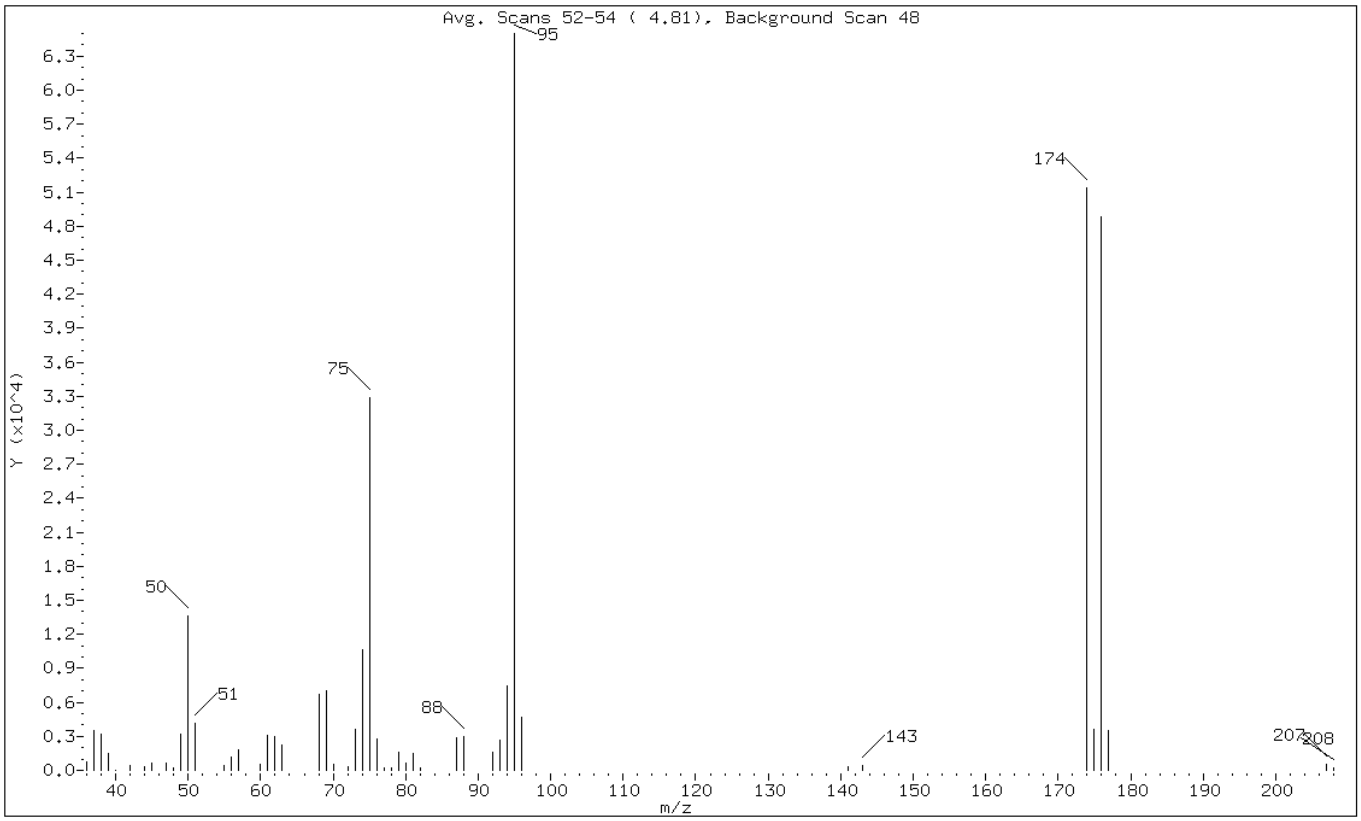
Data File: G2_5380.D

Date: 06-APR-2012 06:42

Client ID: BFB Instrument: GCMS2.i

Sample Info: BFB Operator: REINHARDT

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.90
75	30.00 - 60.00% of mass 95	50.57
96	5.00 - 9.00% of mass 95	7.21
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	79.05
175	5.00 - 9.00% of mass 174	5.54 (7.01)
176	95.00 - 101.00% of mass 174	75.17 (95.08)
177	5.00 - 9.00% of mass 176	5.44 (7.24)

Data File: G2_5380.D

Date: 06-APR-2012 06:42

Client ID: BFB Instrument: GCMS2.i

Sample Info: BFB Operator: REINHARDT

Data File: \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5380.D
Spectrum: Avg. Scans 52-54 (4.81), Background Scan 48
Location of Maximum: 95.00
Number of points: 49

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	735	55.00	474	75.00	32872	95.00	65008
37.00	3502	56.00	1130	76.00	2752	96.00	4689
38.00	3142	57.00	1817	77.00	205	141.00	280
39.00	1509	60.00	555	78.00	200	143.00	425
40.00	36	61.00	3124	79.00	1551	174.00	51392
42.00	394	62.00	2989	80.00	639	175.00	3603
44.00	321	63.00	2232	81.00	1519	176.00	48864
45.00	668	68.00	6712	82.00	203	177.00	3536
47.00	638	69.00	6973	87.00	2877	207.00	511
48.00	176	70.00	529	88.00	2992	208.00	174
49.00	3210	72.00	274	92.00	1627		
50.00	13586	73.00	3620	93.00	2654		
51.00	4164	74.00	10589	94.00	7439		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\RR3334.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 15-MAR-2012 06:15
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC364

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.722	5.620	(0.000)	95	19224			0.00- 100.00	100.00
5.722	5.620	(0.000)	50	3606			15.00- 40.00	18.76
5.722	5.620	(0.000)	75	9736			30.00- 60.00	50.65
5.722	5.620	(0.000)	96	1638			5.00- 9.00	8.52
5.722	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.722	5.620	(0.000)	174	18976			50.00- 0.00	98.71
5.722	5.620	(0.000)	175	1555			5.00- 9.00	8.19
5.722	5.620	(0.000)	176	19112			95.00- 101.00	100.72
5.722	5.620	(0.000)	177	1206			5.00- 9.00	6.31

Data File: RR3334.D

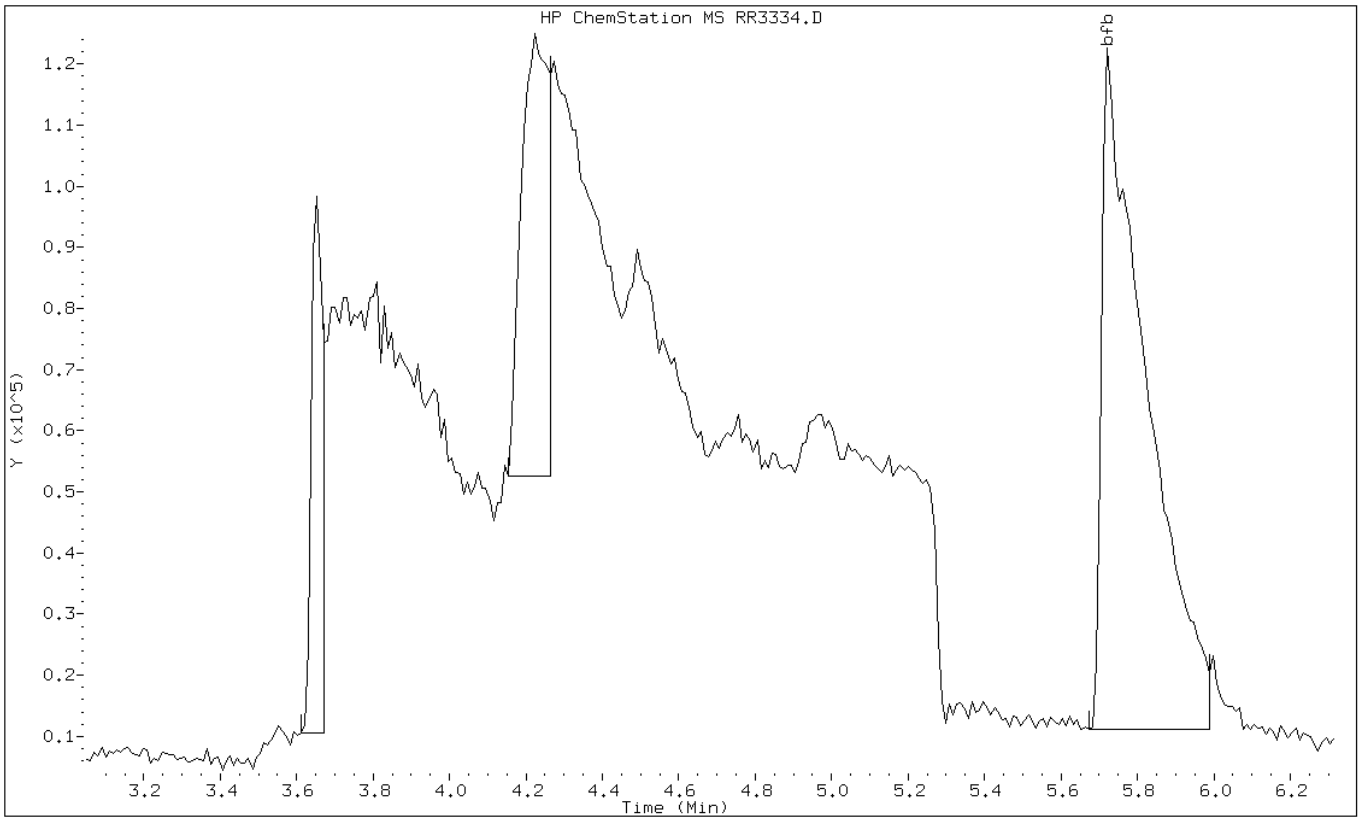
Date: 15-MAR-2012 06:15

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



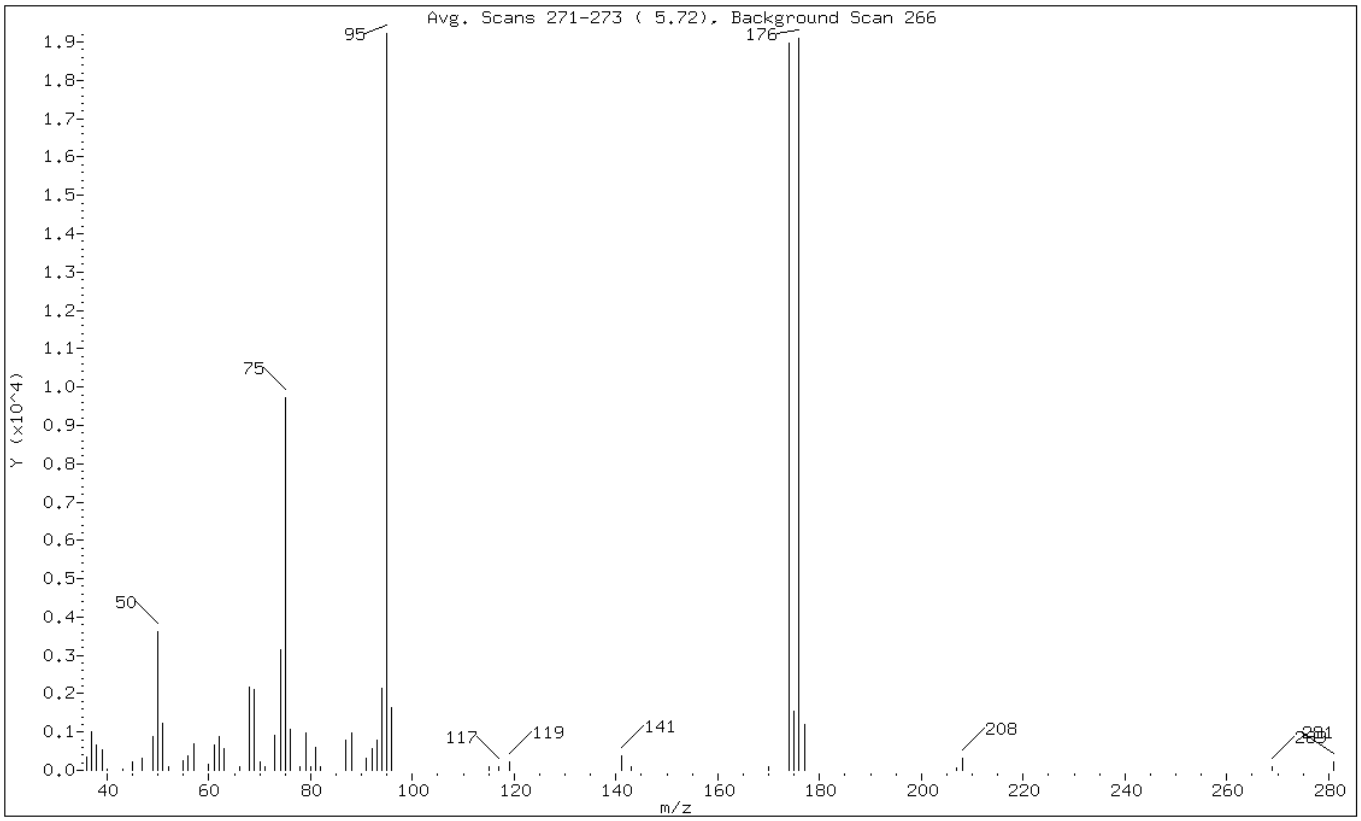
Data File: RR3334.D

Date: 15-MAR-2012 06:15

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.76
75	30.00 - 60.00% of mass 95	50.65
96	5.00 - 9.00% of mass 95	8.52
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	98.71
175	5.00 - 9.00% of mass 174	8.09 (8.19)
176	95.00 - 101.00% of mass 174	99.42 (100.72)
177	5.00 - 9.00% of mass 176	6.27 (6.31)

Data File: RR3334.D

Date: 15-MAR-2012 06:15

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\031512i.B\RR3334.D
Spectrum: Avg. Scans 271-273 (5.72), Background Scan 266
Location of Maximum: 95.00
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	349	57.00	695	78.00	94	117.00	107
37.00	1006	60.00	151	79.00	968	119.00	218
38.00	671	61.00	674	80.00	99	141.00	365
39.00	548	62.00	892	81.00	602	143.00	93
40.00	26	63.00	552	82.00	109	170.00	86
43.00	32	66.00	83	87.00	787	174.00	18976
45.00	215	68.00	2175	88.00	971	175.00	1555
47.00	304	69.00	2123	91.00	315	176.00	19112
49.00	877	70.00	209	92.00	558	177.00	1206
50.00	3606	71.00	92	93.00	794	207.00	75
51.00	1236	73.00	903	94.00	2133	208.00	319
52.00	89	74.00	3156	95.00	19224	269.00	84
55.00	253	75.00	9736	96.00	1638	281.00	232
56.00	392	76.00	1069	115.00	84		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3757.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 26-MAR-2012 06:24
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\032612.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC251

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.716	5.620	(0.000)	95	32648			0.00- 100.00	100.00
5.716	5.620	(0.000)	50	5624			15.00- 40.00	17.23
5.716	5.620	(0.000)	75	15313			30.00- 60.00	46.90
5.716	5.620	(0.000)	96	2595			5.00- 9.00	7.95
5.716	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.716	5.620	(0.000)	174	32472			50.00- 0.00	99.46
5.716	5.620	(0.000)	175	2491			5.00- 9.00	7.67
5.716	5.620	(0.000)	176	31080			95.00- 101.00	95.71
5.716	5.620	(0.000)	177	2197			5.00- 9.00	7.07

Data File: RR3757.D

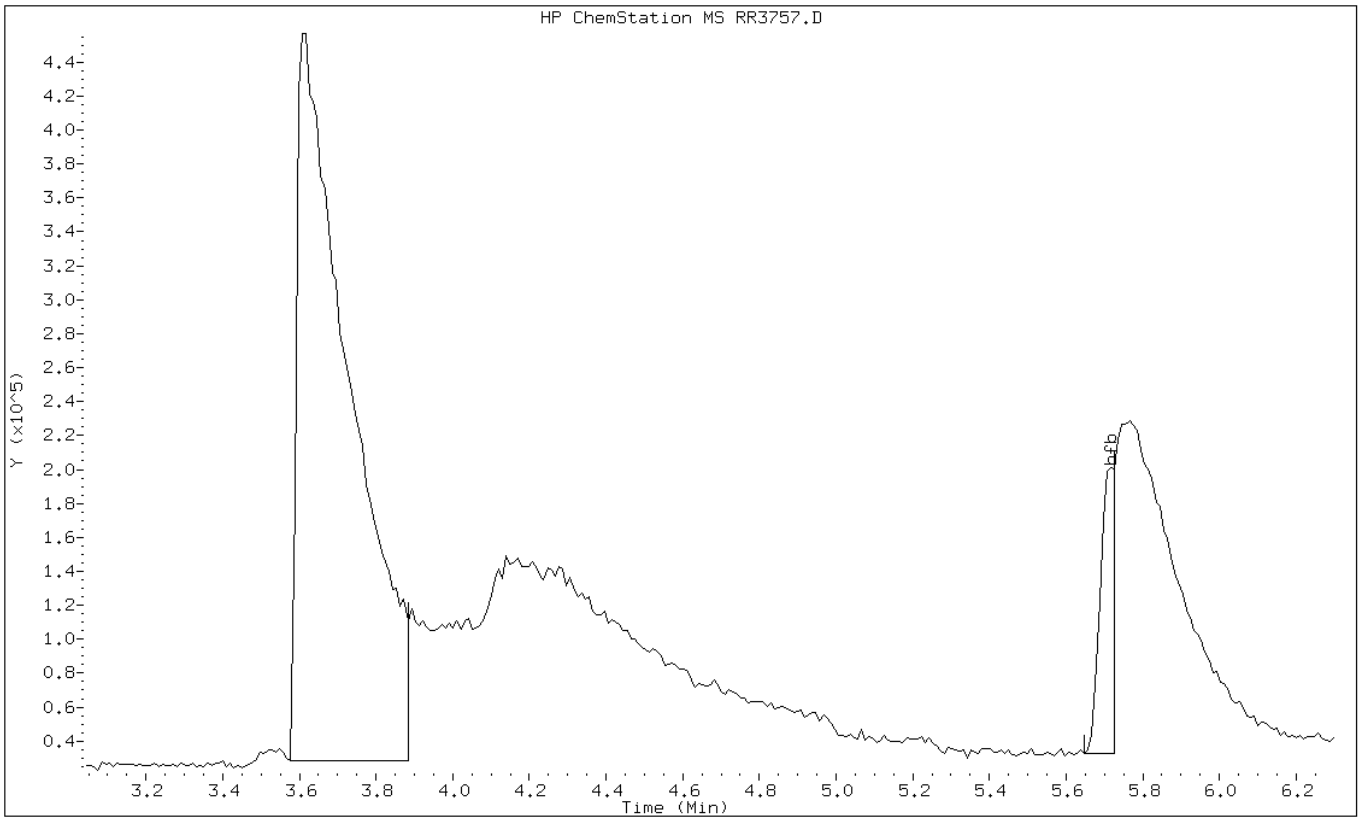
Date: 26-MAR-2012 06:24

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



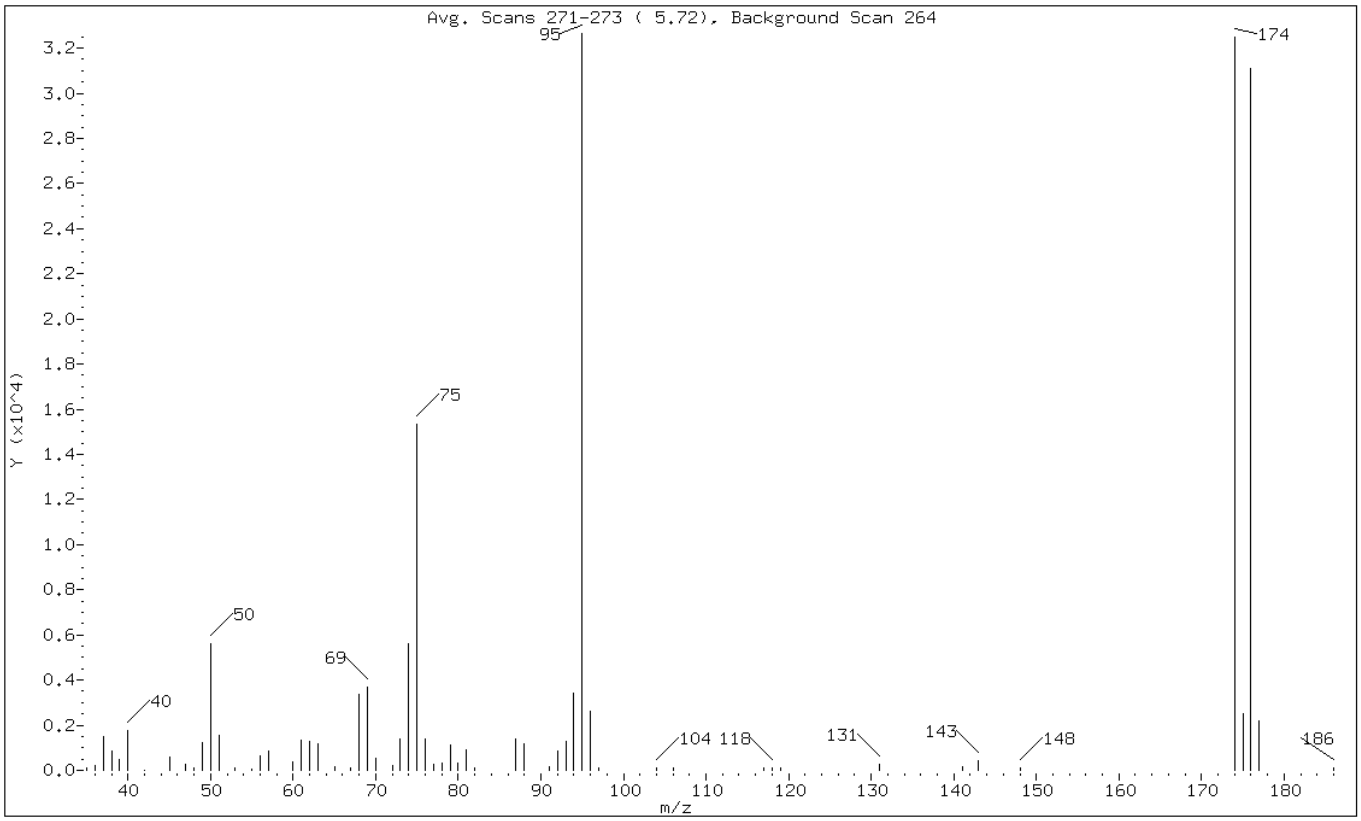
Data File: RR3757.D

Date: 26-MAR-2012 06:24

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.23
75	30.00 - 60.00% of mass 95	46.90
96	5.00 - 9.00% of mass 95	7.95
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	99.46
175	5.00 - 9.00% of mass 174	7.63 (7.67)
176	95.00 - 101.00% of mass 174	95.20 (95.71)
177	5.00 - 9.00% of mass 176	6.73 (7.07)

Data File: RR3757.D

Date: 26-MAR-2012 06:24

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\032612.B\RR3757.D
Spectrum: Avg. Scans 271-273 (5.72), Background Scan 264
Location of Maximum: 95.00
Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	86	57.00	855	78.00	338	117.00	89
36.00	239	60.00	365	79.00	1126	118.00	114
37.00	1475	61.00	1356	80.00	312	119.00	93
38.00	871	62.00	1283	81.00	923	131.00	272
39.00	499	63.00	1182	82.00	90	141.00	174
40.00	1783	65.00	182	87.00	1411	143.00	428
42.00	19	67.00	101	88.00	1185	148.00	84
45.00	582	68.00	3364	91.00	175	174.00	32472
47.00	263	69.00	3665	92.00	845	175.00	2491
48.00	124	70.00	558	93.00	1307	176.00	31080
49.00	1226	72.00	217	94.00	3417	177.00	2197
50.00	5624	73.00	1382	95.00	32648	186.00	95
51.00	1564	74.00	5620	96.00	2595		
53.00	96	75.00	15313	97.00	84		
55.00	29	76.00	1364	104.00	123		
56.00	637	77.00	285	106.00	95		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\RR4243.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 09-APR-2012 06:20
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC364

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.723	5.620	(0.000)	95	26848			0.00- 100.00	100.00
5.723	5.620	(0.000)	50	4507			15.00- 40.00	16.79
5.723	5.620	(0.000)	75	13079			30.00- 60.00	48.71
5.723	5.620	(0.000)	96	1611			5.00- 9.00	6.00
5.723	5.620	(0.000)	173	86			0.00- 2.00	0.35
5.723	5.620	(0.000)	174	24584			50.00- 0.00	91.57
5.723	5.620	(0.000)	175	2077			5.00- 9.00	8.45
5.723	5.620	(0.000)	176	24120			95.00- 101.00	98.11
5.723	5.620	(0.000)	177	1827			5.00- 9.00	7.57

Data File: RR4243.D

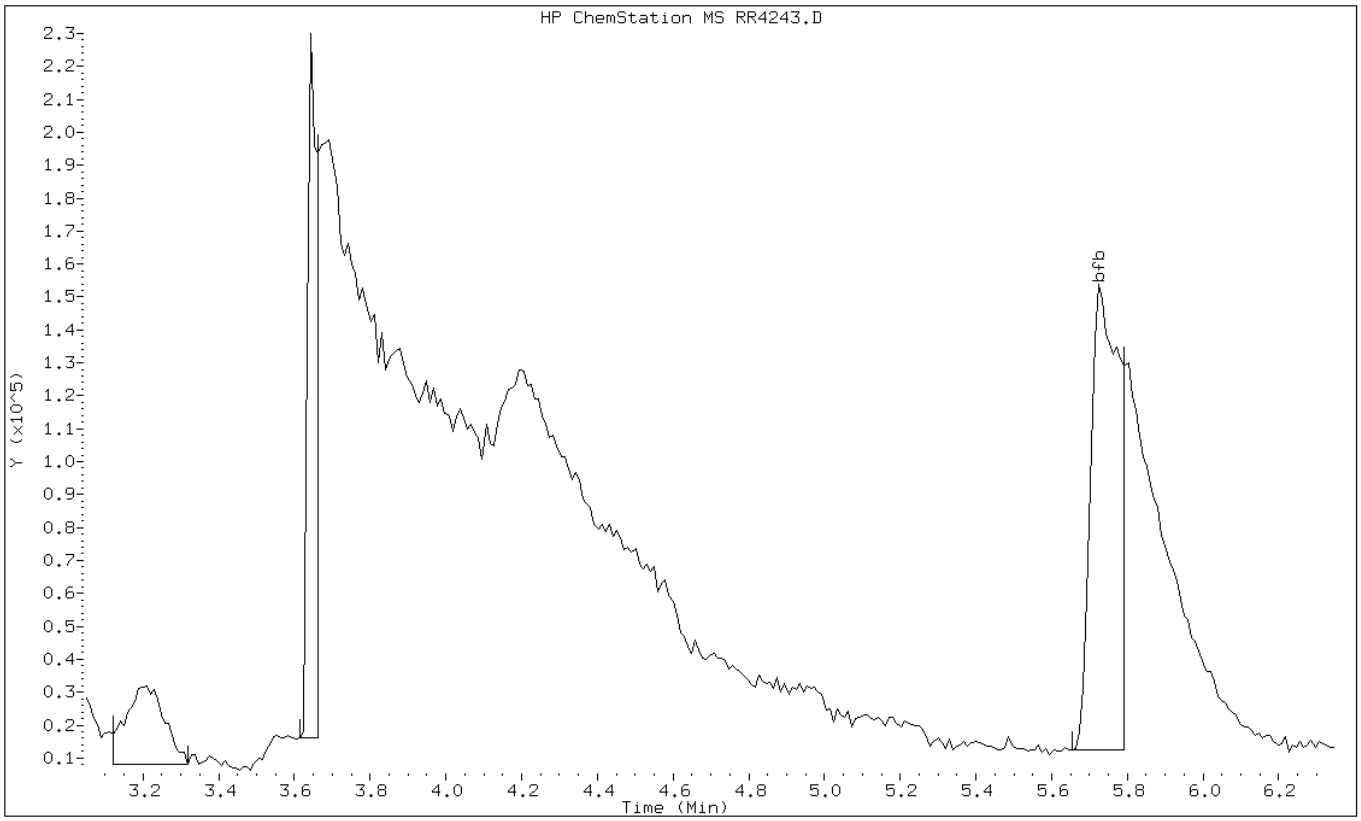
Date: 09-APR-2012 06:20

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



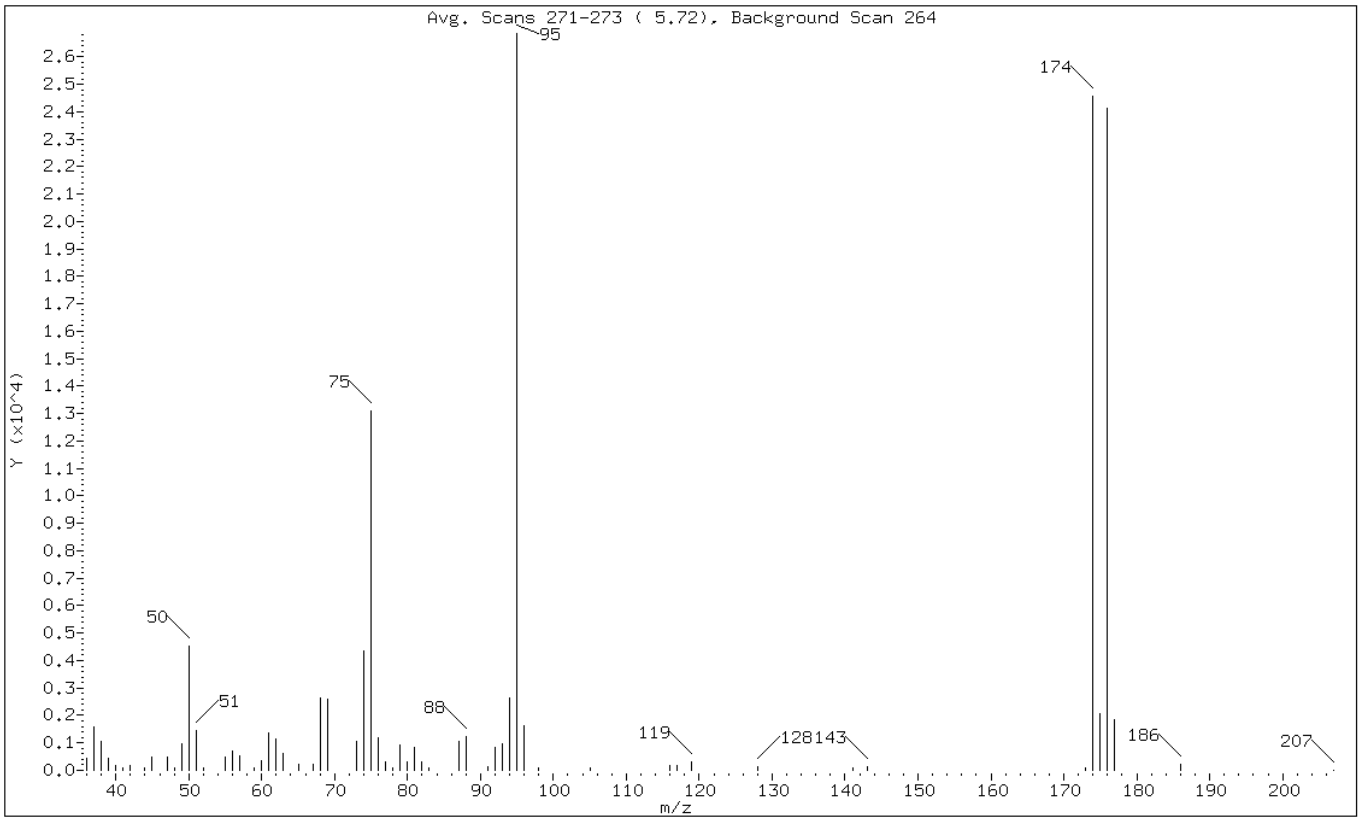
Data File: RR4243.D

Date: 09-APR-2012 06:20

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.79
75	30.00 - 60.00% of mass 95	48.71
96	5.00 - 9.00% of mass 95	6.00
173	Less than 2.00% of mass 174	0.32 (0.35)
174	Greater than 50.00% of mass 95	91.57
175	5.00 - 9.00% of mass 174	7.74 (8.45)
176	95.00 - 101.00% of mass 174	89.84 (98.11)
177	5.00 - 9.00% of mass 176	6.80 (7.57)

Data File: RR4243.D

Date: 09-APR-2012 06:20

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\040912.B\RR4243.D
Spectrum: Avg. Scans 271-273 (5.72), Background Scan 264
Location of Maximum: 95.00
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	419	56.00	689	78.00	73	116.00	172
37.00	1598	57.00	522	79.00	930	117.00	196
38.00	1052	59.00	90	80.00	325	119.00	304
39.00	435	60.00	353	81.00	847	128.00	112
40.00	177	61.00	1350	82.00	310	141.00	96
41.00	84	62.00	1157	83.00	91	143.00	140
42.00	164	63.00	633	87.00	1037	173.00	86
44.00	98	65.00	216	88.00	1228	174.00	24584
45.00	490	67.00	204	91.00	128	175.00	2077
47.00	473	68.00	2651	92.00	852	176.00	24120
48.00	92	69.00	2614	93.00	976	177.00	1827
49.00	966	73.00	1071	94.00	2616	186.00	204
50.00	4507	74.00	4339	95.00	26848	207.00	15
51.00	1462	75.00	13079	96.00	1611		
52.00	83	76.00	1200	98.00	94		
55.00	504	77.00	292	105.00	85		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-114240/1-A

Matrix: Solid | Lab File ID: G5645.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/04/2012 13:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	5.0	1.0	0.56
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.52
75-34-3	1,1-Dichloroethane	0.80	U	5.0	0.80	0.21
87-61-6	1,2,3-Trichlorobenzene	1.33	J	5.0	1.0	0.75
96-18-4	1,2,3-Trichloropropane	1.0	U	5.0	1.0	0.81
120-82-1	1,2,4-Trichlorobenzene	0.964	J	5.0	1.0	0.73
563-58-6	1,1-Dichloropropene	1.0	U	5.0	1.0	0.54
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.59
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	10	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	5.0	1.0	0.88
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	5.0	1.0	0.61
95-63-6	1,2,4-Trimethylbenzene	1.0	U	5.0	1.0	0.58
95-50-1	1,2-Dichlorobenzene	1.0	U	5.0	1.0	0.45
107-06-2	1,2-Dichloroethane	1.0	U	5.0	1.0	0.70
541-73-1	1,3-Dichlorobenzene	1.0	U	5.0	1.0	0.48
142-28-9	1,3-Dichloropropane	1.0	U	5.0	1.0	0.51
108-67-8	1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	0.57
106-46-7	1,4-Dichlorobenzene	1.0	U	5.0	1.0	0.78
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.55
594-20-7	2,2-Dichloropropane	1.0	U	5.0	1.0	0.44
78-93-3	2-Butanone (MEK)	6.4	U	20	6.4	1.8
591-78-6	2-Hexanone	10	U	20	10	4.9
99-87-6	4-Isopropyltoluene	1.0	U	5.0	1.0	0.49
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	20	10	4.4
67-64-1	Acetone	10	U	20	10	5.4
71-43-2	Benzene	1.0	U	5.0	1.0	0.47
108-86-1	Bromobenzene	1.0	U	5.0	1.0	0.49
75-25-2	Bromoform	0.80	U	5.0	0.80	0.23
95-49-8	2-Chlorotoluene	1.0	U	5.0	1.0	0.51
74-83-9	Bromomethane	1.0	U	10	1.0	0.50
106-43-4	4-Chlorotoluene	1.0	U	5.0	1.0	0.78
75-15-0	Carbon disulfide	0.884	J	5.0	1.0	0.42
56-23-5	Carbon tetrachloride	1.0	U	5.0	1.0	0.63
108-90-7	Chlorobenzene	1.0	U	5.0	1.0	0.54
74-97-5	Chlorobromomethane	1.0	U	5.0	1.0	0.30
124-48-1	Chlorodibromomethane	1.0	U	5.0	1.0	0.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-114240/1-A

Matrix: Solid | Lab File ID: G5645.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/04/2012 13:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-00-3	Chloroethane	1.0	U	10	1.0	0.89
67-66-3	Chloroform	1.0	U	10	1.0	0.29
74-87-3	Chloromethane	1.0	U	10	1.0	0.77
156-59-2	cis-1,2-Dichloroethene	1.0	U	5.0	1.0	0.56
10061-01-5	cis-1,3-Dichloropropene	2.0	U	5.0	2.0	1.3
74-95-3	Dibromomethane	1.0	U	5.0	1.0	0.84
75-27-4	Dichlorobromomethane	0.80	U	5.0	0.80	0.22
75-71-8	Dichlorodifluoromethane	1.0	U	10	1.0	0.52
100-41-4	Ethylbenzene	1.0	U	5.0	1.0	0.67
106-93-4	Ethylene Dibromide	1.0	U	5.0	1.0	0.52
87-68-3	Hexachlorobutadiene	0.749	J	5.0	1.0	0.55
98-82-8	Isopropylbenzene	1.0	U	5.0	1.0	0.59
1634-04-4	Methyl tert-butyl ether	1.0	U	20	1.0	0.34
75-09-2	Methylene Chloride	2.35	J	5.0	3.2	1.6
179601-23-1	m-Xylene & p-Xylene	2.0	U	3.2	2.0	1.0
91-20-3	Naphthalene	1.37	J	5.0	1.0	0.63
104-51-8	n-Butylbenzene	1.0	U	5.0	1.0	0.56
103-65-1	N-Propylbenzene	1.0	U	5.0	1.0	0.58
95-47-6	o-Xylene	1.0	U	5.0	1.0	0.61
135-98-8	sec-Butylbenzene	1.0	U	5.0	1.0	0.77
100-42-5	Styrene	1.0	U	5.0	1.0	0.63
98-06-6	tert-Butylbenzene	1.0	U	5.0	1.0	0.50
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.59
108-88-3	Toluene	1.0	U	5.0	1.0	0.69
123-91-1	1,4-Dioxane	80	U	500	80	56
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	20	20	0.45
156-60-5	trans-1,2-Dichloroethene	1.0	U	5.0	1.0	0.39
544-10-5	1-Chlorohexane	0.80	U	5.0	0.80	0.63
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.67
110-82-7	Cyclohexane	1.6	U	5.0	1.6	0.40
79-01-6	Trichloroethene	0.80	U	5.0	0.80	0.23
79-20-9	Methyl acetate	4.0	U	8.5	4.0	2.8
75-69-4	Trichlorofluoromethane	2.0	U	10	2.0	1.0
108-87-2	Methylcyclohexane	0.80	U	5.0	0.80	0.42
75-01-4	Vinyl chloride	2.0	U	5.0	2.0	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-114240/1-A

Matrix: Solid Lab File ID: G5645.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/04/2012 13:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		61-129
460-00-4	4-Bromofluorobenzene (Surr)	91		85-120
1868-53-7	Dibromofluoromethane (Surr)	100		71-126
2037-26-5	Toluene-d8 (Surr)	99		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5645.D
Lab Smp Id: MB
Inj Date : 04-APR-2012 13:03
Operator : HUBBSL Inst ID: G.i
Smp Info : MB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 12:44 G.i Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 59	Fluorobenzene	96	8.186	8.170	(1.000)	3607056	50.0000	
* 85	Chlorobenzene-d5	119	10.839	10.833	(1.000)	841493	50.0000	
* 110	1,4-Dichlorobenzene-d4	152	12.901	12.895	(1.000)	1227478	50.0000	
$ 49	Dibromofluoromethane (Surr)	111	7.594	7.588	(0.928)	1148999	50.0283	50.0283
$ 55	1,2-Dichloroethane-d4	65	7.900	7.894	(0.965)	915751	47.3722	47.3722
$ 73	Toluene-d8	98	9.537	9.531	(0.880)	2964926	49.4634	49.4634
$ 96	4-Bromofluorobenzene (Surr)	95	11.816	11.810	(0.916)	1119380	45.7336	45.7336
M 3	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 4	Xylene (total)	106	Compound Not Detected.					
M 1	1,3-Dichloropropene (total)	100	Compound Not Detected.					
M 2	Trihalomethanes (total)	100	Compound Not Detected.					
5	dichlorodifluoromethane	85	Compound Not Detected.					
6	1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
7	Chloromethane	50	Compound Not Detected.					
8	Vinyl Chloride	62	Compound Not Detected.					
9	Ethylene Oxide	44	Compound Not Detected.					
10	Bromomethane	94	Compound Not Detected.					
11	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Ethanol	45	Compound Not Detected.					
15	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
16	Ethyl Ether	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Trichlorotrifluoroethane	151	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
22 1,1-Dichloroethene	96	5.839	5.833	(0.713)	8067	0.37597	0.375973(aQ)
21 2-Propanol	45	Compound Not Detected.					
23 Iodomethane	142	Compound Not Detected.					
25 Methyl Acetate	43	Compound Not Detected.					
24 Acetonitrile	41	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
27 Carbon Disulfide	76	6.144	6.128	(0.751)	60746	0.88392	0.883923(a)
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	6.203	6.198	(0.758)	51246	2.34677	2.34677(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
42 2-Butanol	45	Compound Not Detected.					
43 Propionitrile	54	Compound Not Detected.					
44 2,2-Dichloropropane	77	Compound Not Detected.					
45 Methacrylonitrile	41	Compound Not Detected.					
46 Bromochloromethane	128	Compound Not Detected.					
47 Chloroform	83	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
51 1,1,1-Trichloroethane	97	Compound Not Detected.					
50 Isobutanol	41	Compound Not Detected.					
52 Cyclohexane	56	Compound Not Detected.					
53 1,1-Dichloropropene	75	Compound Not Detected.					
54 Carbon Tetrachloride	117	Compound Not Detected.					
57 TAME	73	Compound Not Detected.					
56 1,2-Dichloroethane	62	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
60 n-Butanol	56	Compound Not Detected.					
61 Trichloroethene	95	Compound Not Detected.					
62 2-Pentanone	43	Compound Not Detected.					
63 Methyl Methacrylate	100	Compound Not Detected.					
64 Methyl Cyclohexane	83	Compound Not Detected.					
65 1,2-Dichloropropane	63	Compound Not Detected.					
66 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Bromodichloromethane	83	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 2-nitropropane	41	Compound Not Detected.					
71 cis-1,3-Dichloropropene	75	Compound Not Detected.					
72 4-Methyl-2-pentanone	43	Compound Not Detected.					
74 Toluene	91	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
75	Ethyl methacrylate	69	Compound Not Detected.					
76	trans-1,3-Dichloropropene	75	Compound Not Detected.					
77	1,1,2-Trichloroethane	97	Compound Not Detected.					
78	2-Hexanone	43	10.060	10.044	(0.928)	22374	1.49030	1.49030(a)
79	1,3-Dichloropropane	76	Compound Not Detected.					
80	Tetrachloroethene	164	Compound Not Detected.					
81	Dibromochloromethane	129	Compound Not Detected.					
83	1,2-Dibromoethane	107	Compound Not Detected.					
84	1-Chlorohexane	91	Compound Not Detected.					
86	Chlorobenzene	112	Compound Not Detected.					
87	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
88	Ethylbenzene	106	Compound Not Detected.					
89	m and p-Xylene	106	Compound Not Detected.					
90	o-Xylene	106	Compound Not Detected.					
91	Styrene	104	Compound Not Detected.					
92	Bromoform	173	Compound Not Detected.					
93	isopropyl benzene	105	Compound Not Detected.					
94	cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
95	Cyclohexanone	55	Compound Not Detected.					
97	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
98	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
99	1,2,3-Trichloropropane	110	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
101	n-Propylbenzene	120	Compound Not Detected.					
102	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103	2-Chlorotoluene	126	Compound Not Detected.					
104	4-Chlorotoluene	126	Compound Not Detected.					
105	tert-Butylbenzene	119	Compound Not Detected.					
106	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
107	sec-Butylbenzene	105	Compound Not Detected.					
108	4-Isopropyltoluene	119	Compound Not Detected.					
109	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	1,4-dichlorobenzene	146	12.921	12.915	(1.002)	5114	0.14131	0.141314(aQ)
112	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
113	n-Butylbenzene	91	Compound Not Detected.					
114	1,2-Dichlorobenzene	146	13.325	13.319	(1.033)	5445	0.16524	0.165239(a)
115	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
116	1,2,4-Trichlorobenzene	180	15.169	15.164	(1.176)	18130	0.96431	0.964311(a)
117	Hexachlorobutadiene	225	15.347	15.341	(1.190)	7929	0.74881	0.748806(a)
118	Naphthalene	128	15.554	15.548	(1.206)	59207	1.37444	1.37444(a)
119	1,2,3-Trichlorobenzene	180	15.890	15.893	(1.232)	20617	1.33420	1.33420(a)

QC Flag Legend

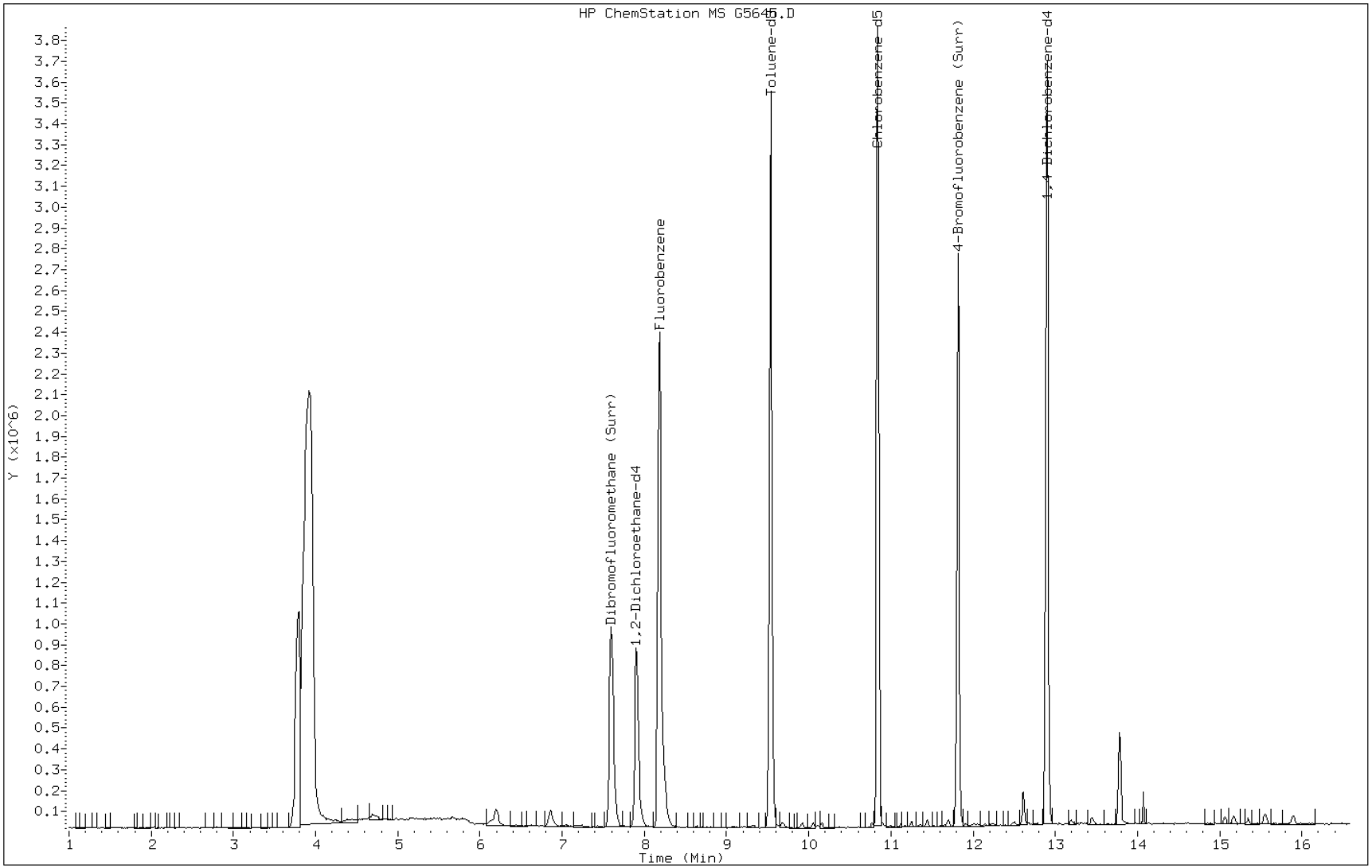
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: G5645.D

Date: 04-APR-2012 13:03

Client ID: Instrument: G.i

Sample Info: MB Operator: HUBBSL



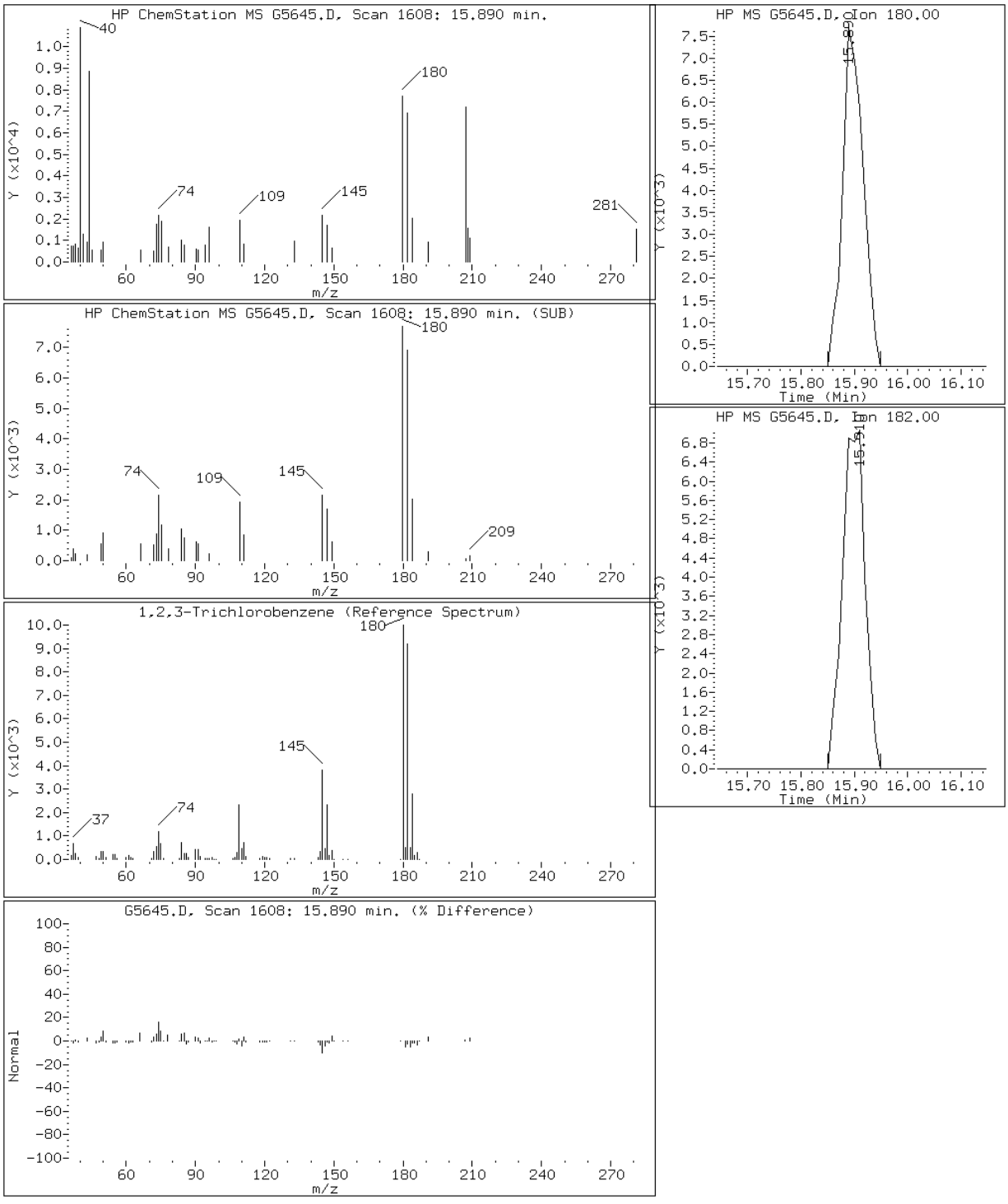
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Date: 04-APR-2012 13:03

Client ID: Instrument: G.i

Sample Info: MB Operator: HUBBSL

119 1,2,3-Trichlorobenzene



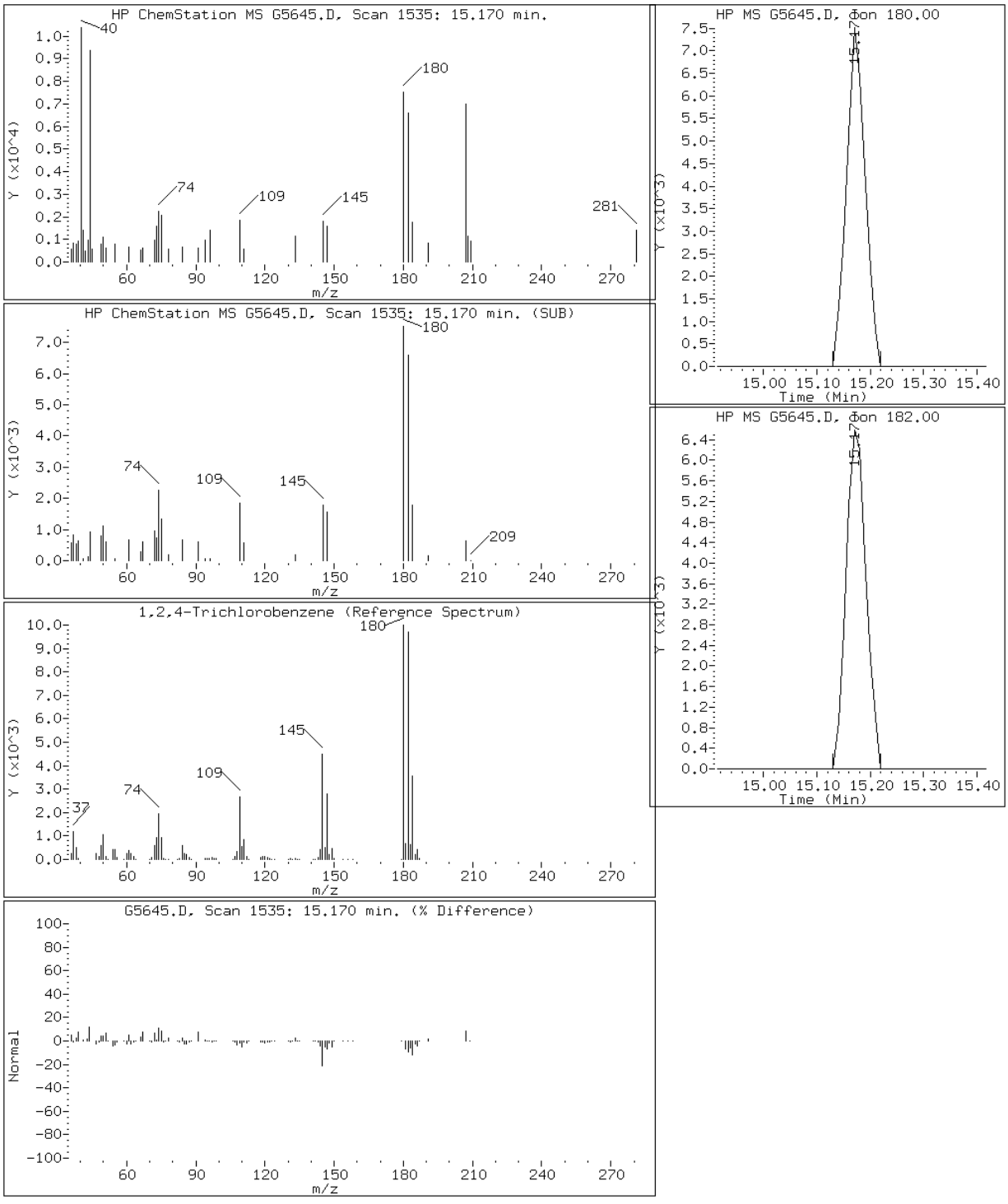
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Date: 04-APR-2012 13:03

Client ID: Instrument: G.i

Sample Info: MB Operator: HUBBSL

116 1,2,4-Trichlorobenzene



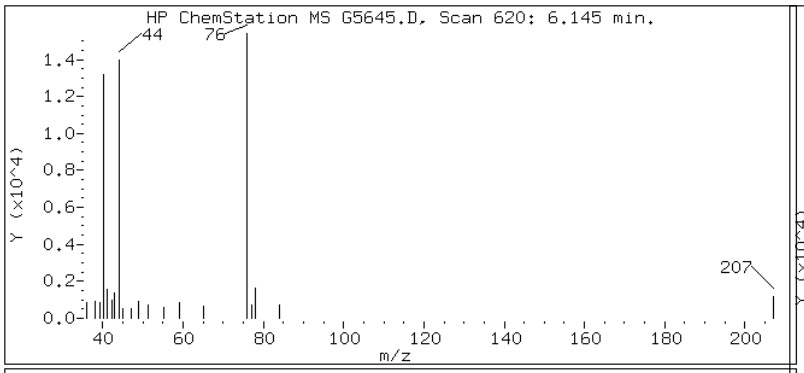
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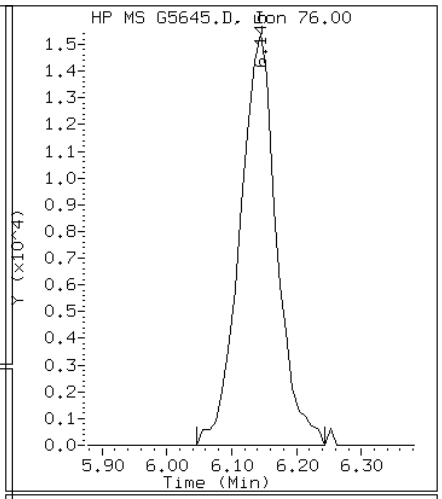
Date: 04-APR-2012 13:03

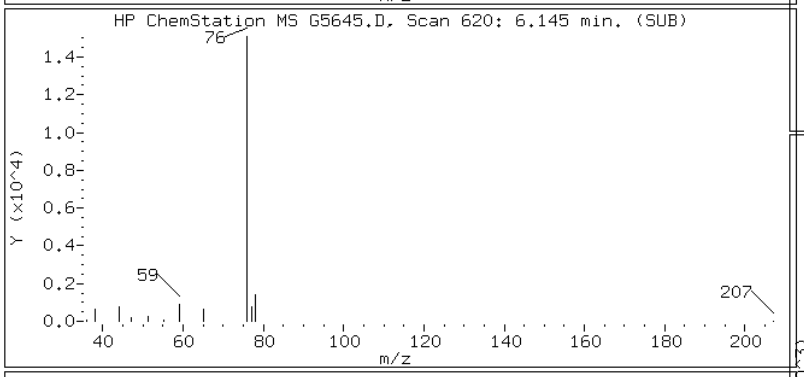
Client ID: Instrument: G.i

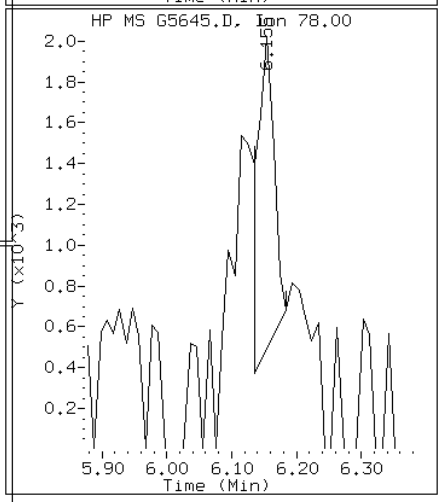
Sample Info: MB Operator: HUBBSL

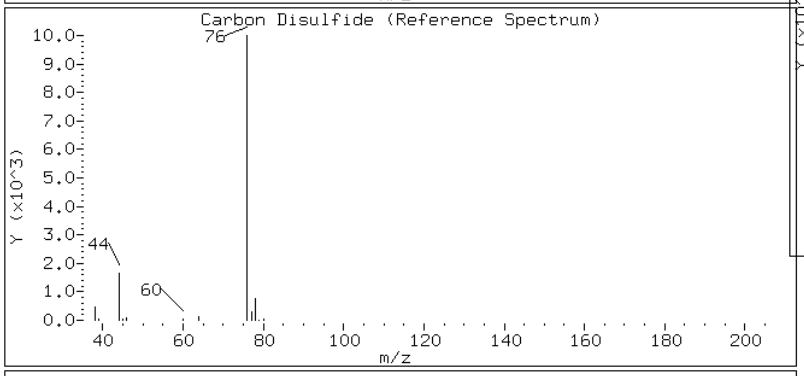
27 Carbon Disulfide

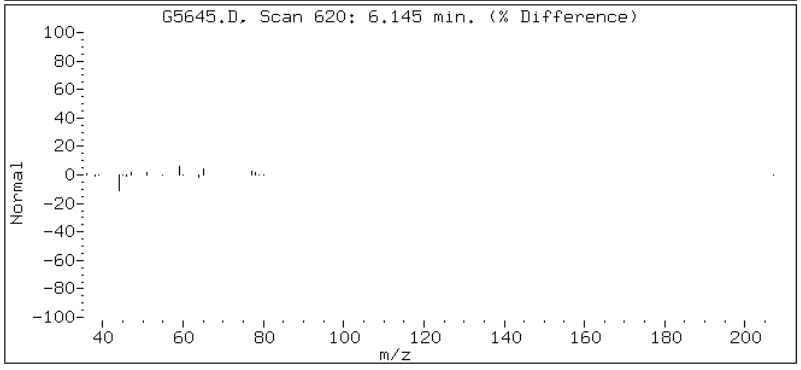












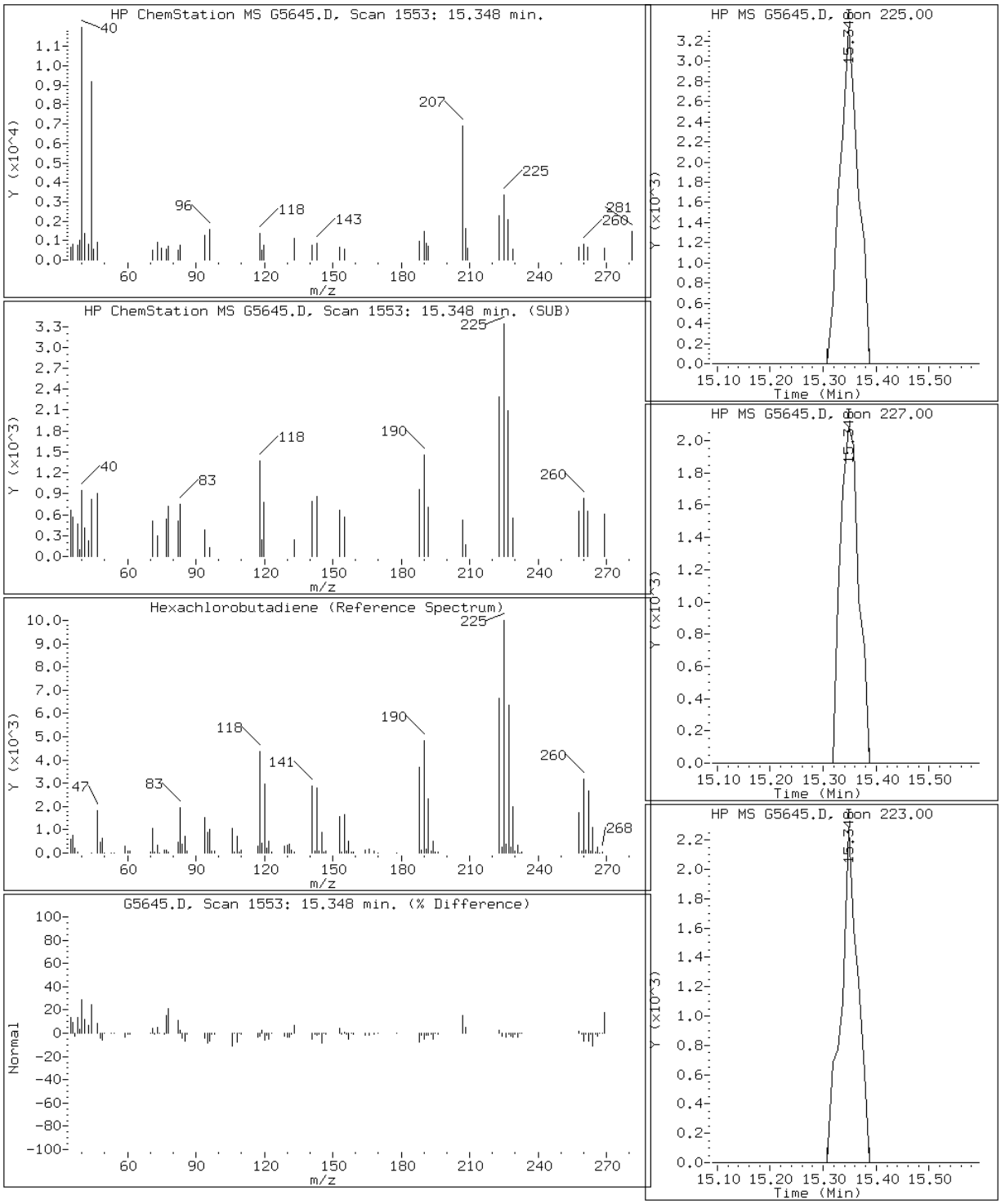
Data File: G5645.D

Date: 04-APR-2012 13:03

Client ID: Instrument: G.i

Sample Info: MB Operator: HUBBSL

117 Hexachlorobutadiene



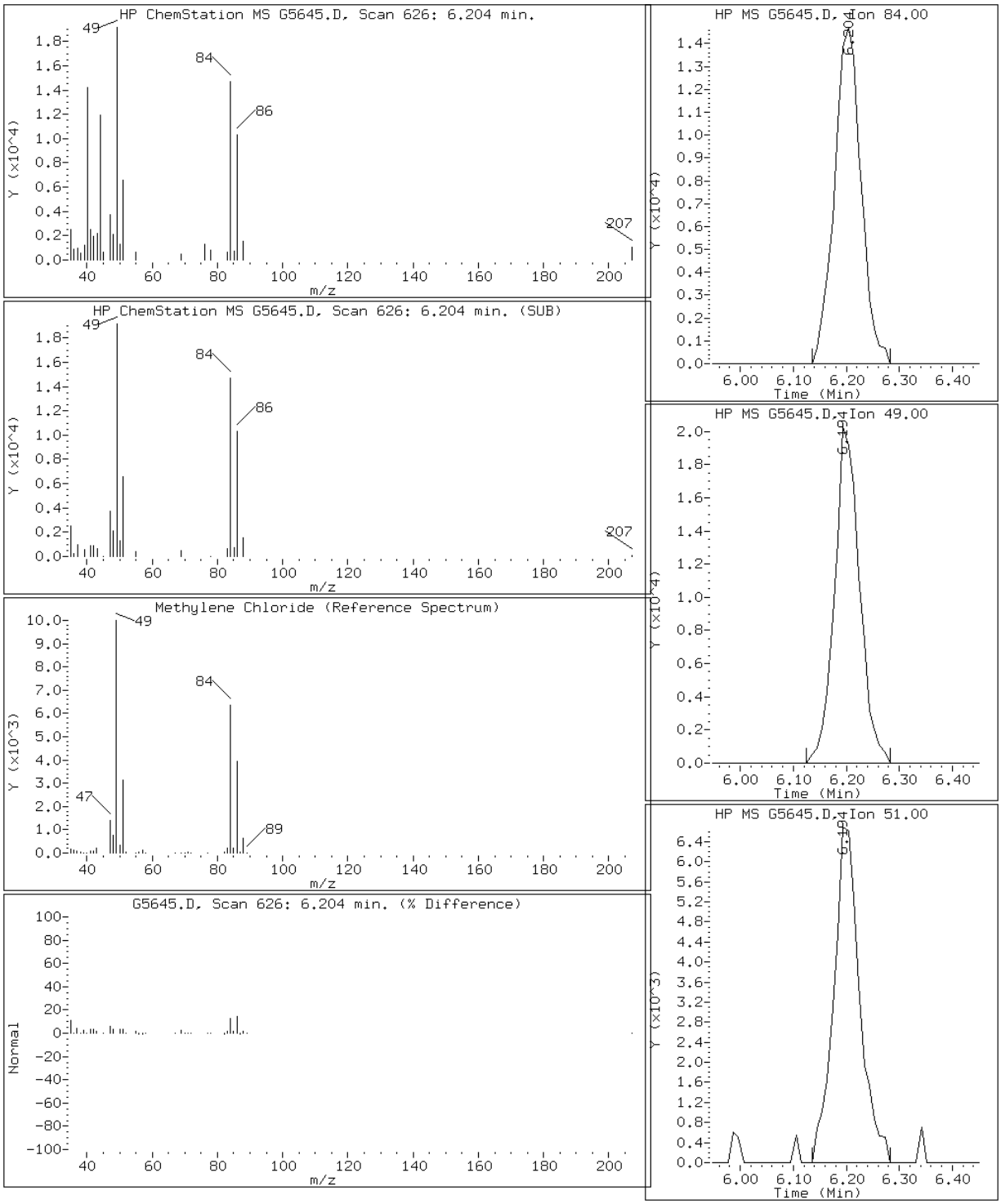
Data File: G5645.D

Date: 04-APR-2012 13:03

Client ID: Instrument: G.i

Sample Info: MB Operator: HUBBSL

29 Methylene Chloride



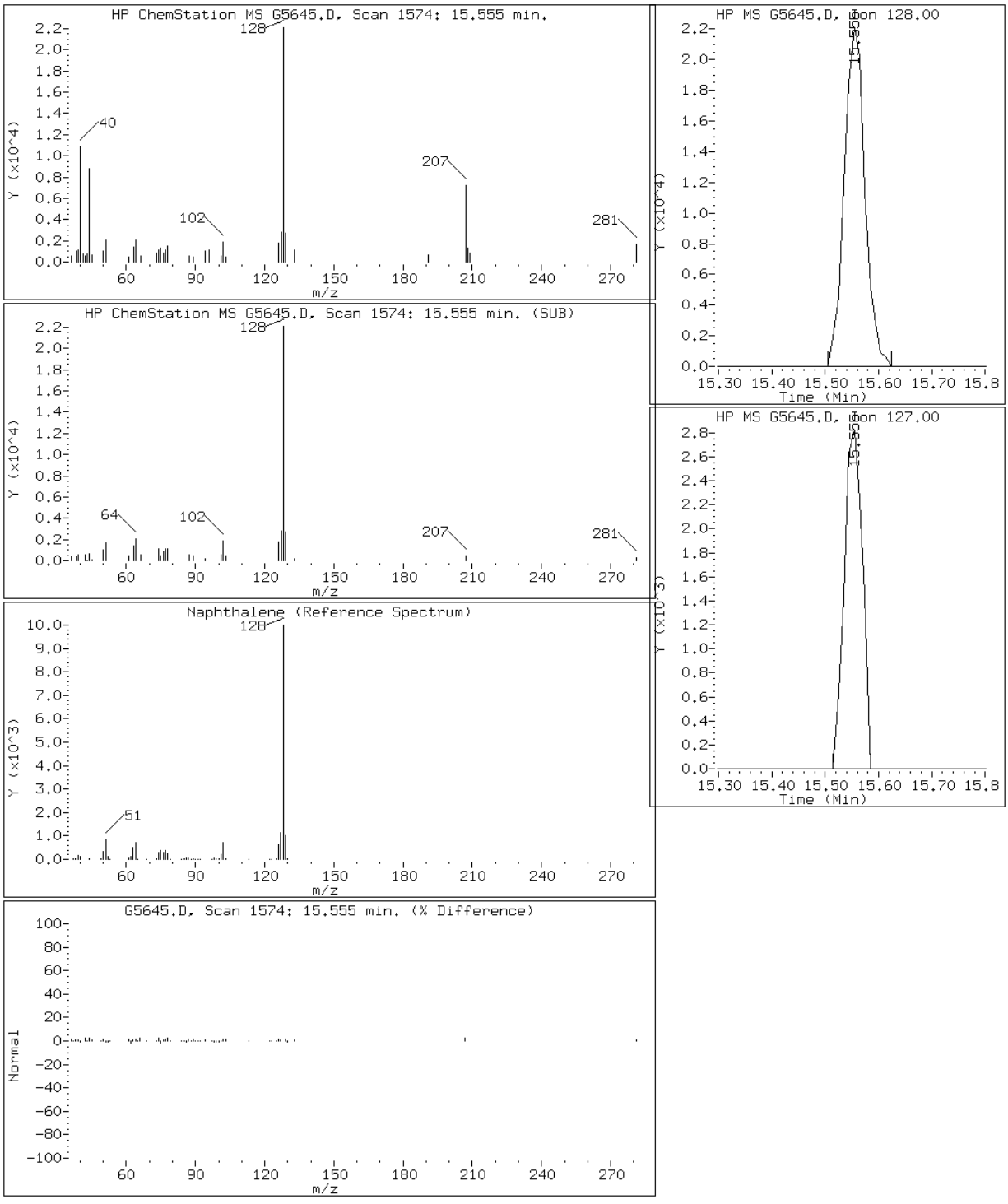
Data File: G5645.D

Date: 04-APR-2012 13:03

Client ID: Instrument: G.i

Sample Info: MB Operator: HUBBSL

118 Naphthalene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-114501/1-A

Matrix: Solid | Lab File ID: G2_5389.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/06/2012 10:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	5.0	1.0	0.56
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.52
75-34-3	1,1-Dichloroethane	0.80	U	5.0	0.80	0.21
87-61-6	1,2,3-Trichlorobenzene	1.0	U	5.0	1.0	0.75
96-18-4	1,2,3-Trichloropropane	1.0	U	5.0	1.0	0.81
120-82-1	1,2,4-Trichlorobenzene	1.0	U	5.0	1.0	0.73
563-58-6	1,1-Dichloropropene	1.0	U	5.0	1.0	0.54
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.59
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	10	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	5.0	1.0	0.88
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	5.0	1.0	0.61
95-63-6	1,2,4-Trimethylbenzene	1.0	U	5.0	1.0	0.58
95-50-1	1,2-Dichlorobenzene	1.0	U	5.0	1.0	0.45
107-06-2	1,2-Dichloroethane	1.0	U	5.0	1.0	0.70
541-73-1	1,3-Dichlorobenzene	1.0	U	5.0	1.0	0.48
142-28-9	1,3-Dichloropropane	1.0	U	5.0	1.0	0.51
108-67-8	1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	0.57
106-46-7	1,4-Dichlorobenzene	1.0	U	5.0	1.0	0.78
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.55
594-20-7	2,2-Dichloropropane	1.0	U	5.0	1.0	0.44
78-93-3	2-Butanone (MEK)	6.4	U	20	6.4	1.8
591-78-6	2-Hexanone	10	U	20	10	4.9
99-87-6	4-Isopropyltoluene	1.0	U	5.0	1.0	0.49
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	20	10	4.4
67-64-1	Acetone	10	U	20	10	5.4
71-43-2	Benzene	1.0	U	5.0	1.0	0.47
108-86-1	Bromobenzene	1.0	U	5.0	1.0	0.49
75-25-2	Bromoform	0.80	U	5.0	0.80	0.23
95-49-8	2-Chlorotoluene	1.0	U	5.0	1.0	0.51
74-83-9	Bromomethane	1.0	U	10	1.0	0.50
106-43-4	4-Chlorotoluene	1.0	U	5.0	1.0	0.78
75-15-0	Carbon disulfide	0.529	J	5.0	1.0	0.42
56-23-5	Carbon tetrachloride	1.0	U	5.0	1.0	0.63
108-90-7	Chlorobenzene	1.0	U	5.0	1.0	0.54
74-97-5	Chlorobromomethane	1.0	U	5.0	1.0	0.30
124-48-1	Chlorodibromomethane	1.0	U	5.0	1.0	0.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-114501/1-A

Matrix: Solid | Lab File ID: G2_5389.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/06/2012 10:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-00-3	Chloroethane	1.0	U	10	1.0	0.89
67-66-3	Chloroform	1.0	U	10	1.0	0.29
74-87-3	Chloromethane	1.0	U	10	1.0	0.77
156-59-2	cis-1,2-Dichloroethene	1.0	U	5.0	1.0	0.56
10061-01-5	cis-1,3-Dichloropropene	2.0	U	5.0	2.0	1.3
74-95-3	Dibromomethane	1.0	U	5.0	1.0	0.84
75-27-4	Dichlorobromomethane	0.80	U	5.0	0.80	0.22
75-71-8	Dichlorodifluoromethane	1.0	U	10	1.0	0.52
100-41-4	Ethylbenzene	1.0	U	5.0	1.0	0.67
106-93-4	Ethylene Dibromide	1.0	U	5.0	1.0	0.52
87-68-3	Hexachlorobutadiene	1.0	U	5.0	1.0	0.55
98-82-8	Isopropylbenzene	1.0	U	5.0	1.0	0.59
1634-04-4	Methyl tert-butyl ether	1.0	U	20	1.0	0.34
75-09-2	Methylene Chloride	3.2	U	5.0	3.2	1.6
179601-23-1	m-Xylene & p-Xylene	2.0	U	3.2	2.0	1.0
91-20-3	Naphthalene	1.0	U	5.0	1.0	0.63
104-51-8	n-Butylbenzene	1.0	U	5.0	1.0	0.56
103-65-1	N-Propylbenzene	1.0	U	5.0	1.0	0.58
95-47-6	o-Xylene	1.0	U	5.0	1.0	0.61
135-98-8	sec-Butylbenzene	1.0	U	5.0	1.0	0.77
100-42-5	Styrene	1.0	U	5.0	1.0	0.63
98-06-6	tert-Butylbenzene	1.0	U	5.0	1.0	0.50
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.59
108-88-3	Toluene	1.0	U	5.0	1.0	0.69
123-91-1	1,4-Dioxane	80	U	500	80	56
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	20	20	0.45
156-60-5	trans-1,2-Dichloroethene	1.0	U	5.0	1.0	0.39
544-10-5	1-Chlorohexane	0.80	U	5.0	0.80	0.63
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.67
110-82-7	Cyclohexane	1.6	U	5.0	1.6	0.40
79-01-6	Trichloroethene	0.80	U	5.0	0.80	0.23
79-20-9	Methyl acetate	4.0	U	8.5	4.0	2.8
75-69-4	Trichlorofluoromethane	2.0	U	10	2.0	1.0
108-87-2	Methylcyclohexane	0.80	U	5.0	0.80	0.42
75-01-4	Vinyl chloride	2.0	U	5.0	2.0	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-114501/1-A

Matrix: Solid Lab File ID: G2_5389.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/06/2012 10:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 114709 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		61-129
460-00-4	4-Bromofluorobenzene (Surr)	96		85-120
1868-53-7	Dibromofluoromethane (Surr)	84		71-126
2037-26-5	Toluene-d8 (Surr)	100		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5389.D
Lab Smp Id: MB
Inj Date : 06-APR-2012 10:28
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : MB,5.021,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\8260B-soil.m
Meth Date : 06-Apr-2012 11:58 hubbsl Quant Type: ISTD
Cal Date : 24-MAR-2012 03:16 Cal File: G2_4886.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC232

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.021	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
*	61 Fluorobenzene	96	7.745	7.745	(1.000)	2127727	50.0000	
*	87 Chlorobenzene-d5	119	10.005	10.012	(1.000)	455359	50.0000	
*	112 1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	740197	50.0000	
$	51 Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	599526	46.3692	46.1752
$	57 1,2-Dichloroethane-d4	65	7.481	7.480	(0.966)	659956	44.3332	44.1478
$	75 Toluene-d8	98	8.925	8.925	(0.892)	2317690	55.2263	54.9954
$	98 4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.918)	795307	52.9709	52.7494
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	2 Xylene (total)	106	Compound Not Detected.					
	6 dichlorodifluoromethane	85	Compound Not Detected.					
	7 1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
	8 Chloromethane	50	Compound Not Detected.					
	9 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	44	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	18 Ethyl Ether	59	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	20 Acrolein	56	Compound Not Detected.					
	24 1,1-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
22 2-Propanol	45	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
21 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
29 Carbon Disulfide	76	5.805	5.805	(0.750)	28550	0.52870	0.526488(a)
26 Acetonitrile	41	Compound Not Detected.					
28 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
31 Methylene Chloride	84	Compound Not Detected.					
30 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
38 1,1-Dichloroethane	63	Compound Not Detected.					
36 Vinyl acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
43 2-Butanol	45	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 2,2-Dichloropropane	77	Compound Not Detected.					
41 Ethyl Acetate	43	Compound Not Detected.					
44 Propionitrile	54	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
50 Tetrahydrofuran	42	Compound Not Detected.					
49 Chloroform	83	Compound Not Detected.					
53 1,1,1-Trichloroethane	97	Compound Not Detected.					
54 Cyclohexane	56	Compound Not Detected.					
55 1,1-Dichloropropene	75	Compound Not Detected.					
56 Carbon Tetrachloride	117	Compound Not Detected.					
52 Isobutanol	41	Compound Not Detected.					
60 Benzene	78	Compound Not Detected.					
58 1,2-Dichloroethane	62	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
62 n-Butanol	56	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
67 Methyl Cyclohexane	83	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
65 Methyl Methacrylate	100	Compound Not Detected.					
69 Dibromomethane	93	Compound Not Detected.					
68 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
71 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
78 trans-1,3-Dichloropropene	75	Compound Not Detected.					
77 Ethyl methacrylate	69	8.932	9.053	(0.893)	6961	0.49393	0.491868(aQ)
80 1,1,2-Trichloroethane	97	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
83 Tetrachloroethene	164	Compound Not Detected.					
82 1,3-Dichloropropane	76	Compound Not Detected.					
81 2-Hexanone	43	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					
85 1,2-Dibromoethane	107	Compound Not Detected.					
86 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
102 Bromobenzene	156	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
100 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
105 2-Chlorotoluene	126	Compound Not Detected.					
104 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	105	Compound Not Detected.					
111 1,3-Dichlorobenzene	146	Compound Not Detected.					
110 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
114 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

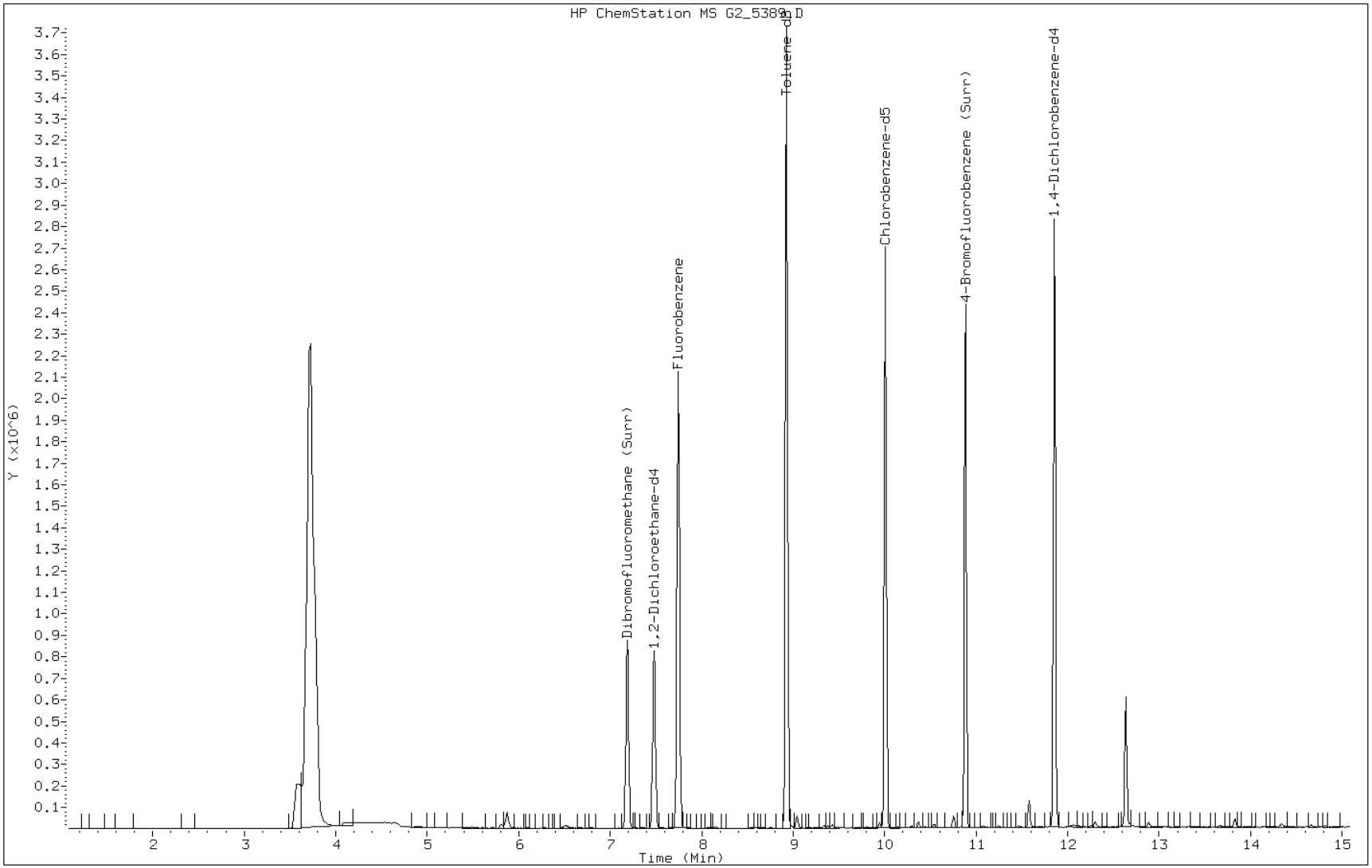
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: G2_5389.D

Date: 06-APR-2012 10:28

Client ID: Instrument: GCMS2.i

Sample Info: MB,5.021, Operator: REINHARDT



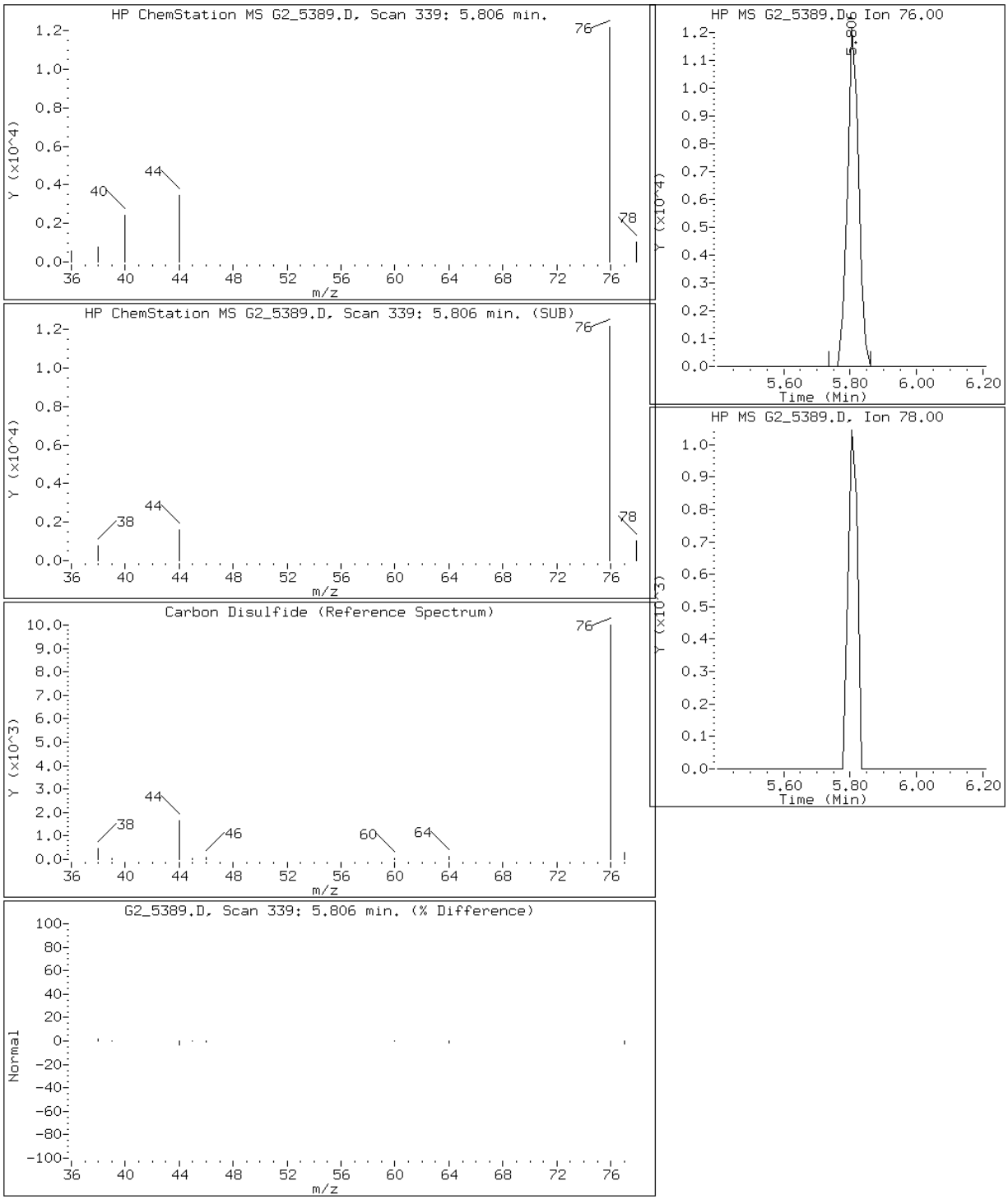
Data File: G2_5389.D

Date: 06-APR-2012 10:28

Client ID: Instrument: GCMS2.i

Sample Info: MB,5.021, Operator: REINHARDT

29 Carbon Disulfide



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-114706/5

Matrix: Water | Lab File ID: RR4247.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 07:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.80	U	1.0	0.80	0.14
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
67-64-1	Acetone	6.4	U	10	6.4	1.9
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-114706/5

Matrix: Water | Lab File ID: RR4247.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 07:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
74-87-3	Chloromethane	1.6	U	2.0	1.6	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.12
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.14
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-triflu oroethane	3.0	U	3.0	3.0	0.79
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-114706/5

Matrix: Water Lab File ID: RR4247.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 04/09/2012 07:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 114706 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		70-120
460-00-4	4-Bromofluorobenzene (Surr)	103		75-120
1868-53-7	Dibromofluoromethane (Surr)	104		85-115
2037-26-5	Toluene-d8 (Surr)	108		85-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\RR4247.D
Lab Smp Id: MB
Inj Date : 09-APR-2012 07:42
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\8260B-H2O.m
Meth Date : 10-Apr-2012 08:55 DobranskyM Quant Type: ISTD
Cal Date : 15-MAR-2012 07:57 Cal File: RR3339.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.599	8.601	(1.000)	1763014	12.5000	
* 88	Chlorobenzene-d5	119	11.469	11.471	(1.000)	390977	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.062	14.064	(1.000)	601030	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.998	7.999	(0.930)	570583	10.9244	10.9244
$ 58	1,2-Dichloroethane-d4	65	8.323	8.325	(0.968)	410894	11.1374	11.1374
$ 76	Toluene-d8	98	9.990	9.991	(0.871)	1814156	11.3724	11.3724
$ 99	4-Bromofluorobenzene (Surr)	95	12.761	12.762	(0.907)	591956	10.7681	10.7681
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					
22	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR4247.D

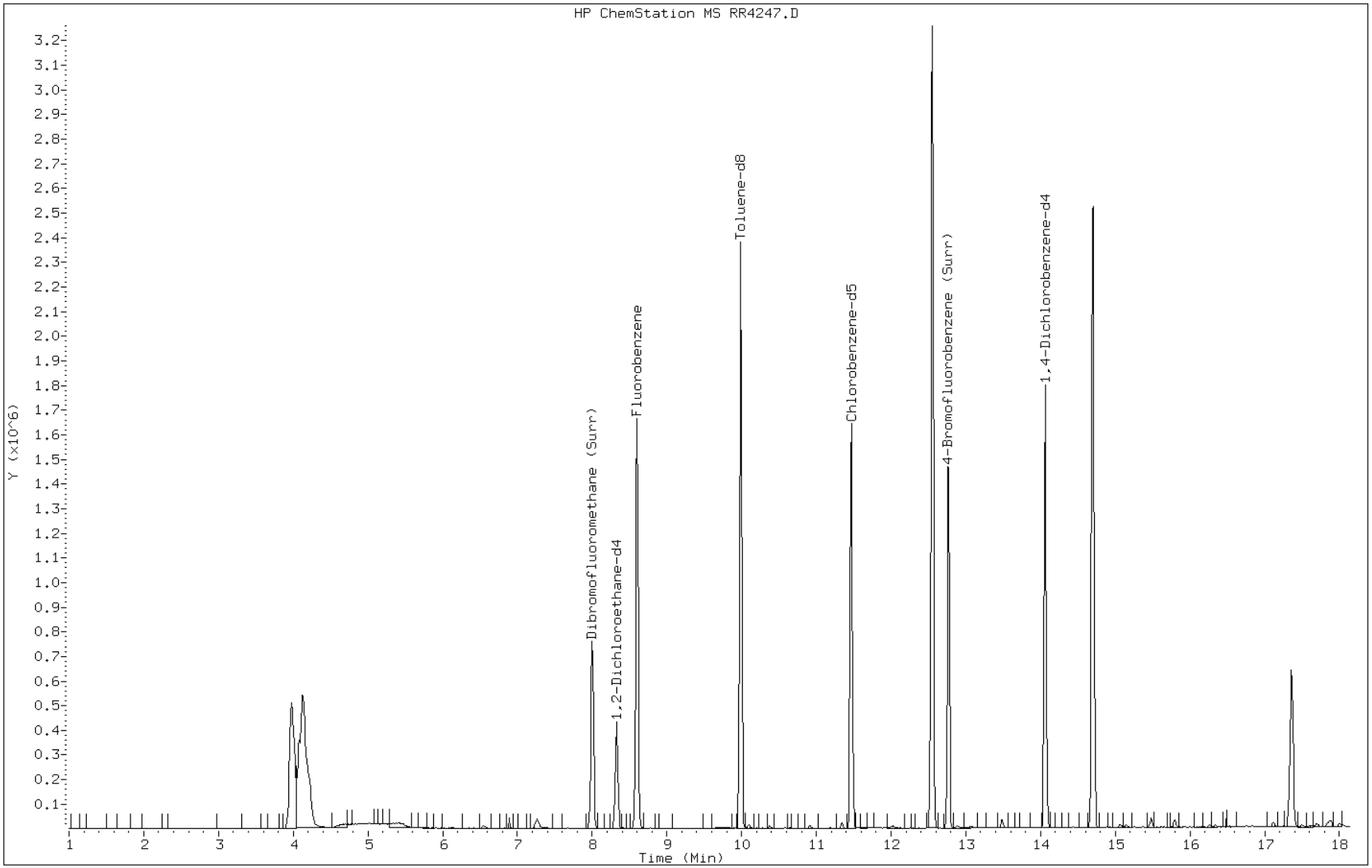
Date: 09-APR-2012 07:42

Client ID:

Instrument: R2.i

Sample Info: MB,,AF

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-114240/2-A

Matrix: Solid | Lab File ID: G5643.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/04/2012 12:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	56.3		5.0	1.0	0.56
71-55-6	1,1,1-Trichloroethane	53.8		5.0	1.0	0.52
75-34-3	1,1-Dichloroethane	55.1		5.0	0.80	0.21
87-61-6	1,2,3-Trichlorobenzene	54.6		5.0	1.0	0.75
96-18-4	1,2,3-Trichloropropane	52.2		5.0	1.0	0.81
120-82-1	1,2,4-Trichlorobenzene	55.0		5.0	1.0	0.73
563-58-6	1,1-Dichloropropene	51.2		5.0	1.0	0.54
75-35-4	1,1-Dichloroethene	57.3		5.0	1.0	0.59
96-12-8	1,2-Dibromo-3-Chloropropane	52.0		10	1.0	0.60
79-00-5	1,1,2-Trichloroethane	61.0		5.0	1.0	0.88
79-34-5	1,1,2,2-Tetrachloroethane	51.0		5.0	1.0	0.61
95-63-6	1,2,4-Trimethylbenzene	50.0		5.0	1.0	0.58
95-50-1	1,2-Dichlorobenzene	54.1		5.0	1.0	0.45
107-06-2	1,2-Dichloroethane	65.2		5.0	1.0	0.70
541-73-1	1,3-Dichlorobenzene	50.2		5.0	1.0	0.48
142-28-9	1,3-Dichloropropane	54.9		5.0	1.0	0.51
108-67-8	1,3,5-Trimethylbenzene	49.2		5.0	1.0	0.57
106-46-7	1,4-Dichlorobenzene	52.4		5.0	1.0	0.78
78-87-5	1,2-Dichloropropane	54.2		5.0	1.0	0.55
594-20-7	2,2-Dichloropropane	53.6		5.0	1.0	0.44
78-93-3	2-Butanone (MEK)	259		20	6.4	1.8
591-78-6	2-Hexanone	205		20	10	4.9
99-87-6	4-Isopropyltoluene	49.1		5.0	1.0	0.49
108-10-1	4-Methyl-2-pentanone (MIBK)	235		20	10	4.4
67-64-1	Acetone	202		20	10	5.4
71-43-2	Benzene	55.0		5.0	1.0	0.47
108-86-1	Bromobenzene	52.6		5.0	1.0	0.49
75-25-2	Bromoform	62.0		5.0	0.80	0.23
95-49-8	2-Chlorotoluene	49.1		5.0	1.0	0.51
74-83-9	Bromomethane	38.8		10	1.0	0.50
106-43-4	4-Chlorotoluene	51.5		5.0	1.0	0.78
75-15-0	Carbon disulfide	44.7		5.0	1.0	0.42
56-23-5	Carbon tetrachloride	54.4		5.0	1.0	0.63
108-90-7	Chlorobenzene	54.7		5.0	1.0	0.54
74-97-5	Chlorobromomethane	61.2		5.0	1.0	0.30
124-48-1	Chlorodibromomethane	56.4		5.0	1.0	0.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-114240/2-A

Matrix: Solid | Lab File ID: G5643.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/04/2012 12:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-00-3	Chloroethane	38.6		10	1.0	0.89
67-66-3	Chloroform	55.8		10	1.0	0.29
74-87-3	Chloromethane	40.4		10	1.0	0.77
156-59-2	cis-1,2-Dichloroethene	55.0		5.0	1.0	0.56
10061-01-5	cis-1,3-Dichloropropene	57.9		5.0	2.0	1.3
74-95-3	Dibromomethane	59.2		5.0	1.0	0.84
75-27-4	Dichlorobromomethane	57.7		5.0	0.80	0.22
75-71-8	Dichlorodifluoromethane	37.6		10	1.0	0.52
100-41-4	Ethylbenzene	52.9		5.0	1.0	0.67
106-93-4	Ethylene Dibromide	55.4		5.0	1.0	0.52
87-68-3	Hexachlorobutadiene	54.2		5.0	1.0	0.55
98-82-8	Isopropylbenzene	48.0		5.0	1.0	0.59
1634-04-4	Methyl tert-butyl ether	57.9		20	1.0	0.34
75-09-2	Methylene Chloride	57.1		5.0	3.2	1.6
179601-23-1	m-Xylene & p-Xylene	106		3.2	2.0	1.0
91-20-3	Naphthalene	54.8		5.0	1.0	0.63
104-51-8	n-Butylbenzene	48.1		5.0	1.0	0.56
103-65-1	N-Propylbenzene	49.0		5.0	1.0	0.58
95-47-6	o-Xylene	53.8		5.0	1.0	0.61
135-98-8	sec-Butylbenzene	48.5		5.0	1.0	0.77
100-42-5	Styrene	57.1		5.0	1.0	0.63
98-06-6	tert-Butylbenzene	50.3		5.0	1.0	0.50
127-18-4	Tetrachloroethene	53.0		5.0	1.0	0.59
108-88-3	Toluene	56.3		5.0	1.0	0.69
156-60-5	trans-1,2-Dichloroethene	53.4		5.0	1.0	0.39
544-10-5	1-Chlorohexane	45.4		5.0	0.80	0.63
10061-02-6	trans-1,3-Dichloropropene	61.3		5.0	1.0	0.67
79-01-6	Trichloroethene	53.6		5.0	0.80	0.23
75-69-4	Trichlorofluoromethane	43.7		10	2.0	1.0
75-01-4	Vinyl chloride	36.0		5.0	2.0	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-114240/2-A

Matrix: Solid Lab File ID: G5643.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/04/2012 12:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		61-129
460-00-4	4-Bromofluorobenzene (Surr)	88		85-120
1868-53-7	Dibromofluoromethane (Surr)	96		71-126
2037-26-5	Toluene-d8 (Surr)	95		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5643.D
Lab Smp Id: LCS
Inj Date : 04-APR-2012 12:20
Operator : HUBBSL Inst ID: G.i
Smp Info : LCS
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 04-Apr-2012 12:44 G.i Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LCSDOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.000	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 59	Fluorobenzene	96	8.176	8.170	(1.000)	3525064	50.0000	
* 85	Chlorobenzene-d5	119	10.840	10.833	(1.000)	851437	50.0000	
* 110	1,4-Dichlorobenzene-d4	152	12.901	12.895	(1.000)	1320787	50.0000	
$ 49	Dibromofluoromethane (Surr)	111	7.595	7.588	(0.929)	1072582	47.7873	47.7873
$ 55	1,2-Dichloroethane-d4	65	7.900	7.894	(0.966)	938498	49.6781	49.6781
$ 73	Toluene-d8	98	9.538	9.531	(0.880)	2866519	47.2631	47.2631
$ 96	4-Bromofluorobenzene (Surr)	95	11.816	11.810	(0.916)	1160331	44.0575	44.0575
M 3	1,2-Dichloroethene (total)	96				2096385	108.472	108.472
M 4	Xylene (total)	106				4618660	160.273	160.273
M 1	1,3-Dichloropropene (total)	100				2967994	119.202	119.202
M 2	Trihalomethanes (total)	100				4958428	231.767	231.767
5	dichlorodifluoromethane	85	4.231	4.215	(0.517)	706863	37.6410	37.6410
7	Chloromethane	50	4.468	4.462	(0.546)	800250	40.4149	40.4149
8	Vinyl Chloride	62	4.616	4.609	(0.565)	690832	36.0365	36.0365
10	Bromomethane	94	5.010	5.004	(0.613)	539550	38.7578	38.7578
11	Chloroethane	64	5.079	5.073	(0.621)	396954	38.5667	38.5667
13	Trichlorofluoromethane	101	5.365	5.359	(0.656)	1004737	43.7433	43.7433
22	1,1-Dichloroethene	96	5.849	5.833	(0.715)	1201840	57.3162	57.3162
20	Acetone	43	5.770	5.764	(0.706)	1479696	201.552	201.552
23	Iodomethane	142	6.026	6.020	(0.737)	1759603	62.8910	62.8910
27	Carbon Disulfide	76	6.145	6.128	(0.752)	2998920	44.6527	44.6527
29	Methylene Chloride	84	6.204	6.198	(0.759)	1219545	57.1472	57.1472
30	Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
31	Methyl t-butyl ether	73	6.381	6.365	(0.780)	2699166	57.8907	57.8907
32	trans-1,2-Dichloroethene	96	6.450	6.444	(0.789)	1001780	53.4374	53.4374
36	1,1-Dichloroethane	63	6.786	6.779	(0.830)	1665667	55.0977	55.0977
34	Vinyl acetate	43	6.697	6.691	(0.819)	2274431	55.5382	55.5382
40	2-Butanone	43	7.170	7.154	(0.877)	2726318	259.038	259.038
41	cis-1,2-Dichloroethene	96	7.239	7.233	(0.885)	1094605	55.0343	55.0343
42	2-Butanol	45	7.210	7.194	(0.882)	3563137		(aR)
44	2,2-Dichloropropane	77	7.269	7.263	(0.889)	760782	53.6043	53.6043
46	Bromochloromethane	128	7.447	7.450	(0.911)	642580	61.1618	61.1618
47	Chloroform	83	7.456	7.450	(0.912)	1677734	55.7684	55.7684
51	1,1,1-Trichloroethane	97	7.703	7.687	(0.942)	820379	53.8135	53.8135
53	1,1-Dichloropropene	75	7.802	7.795	(0.954)	1148214	51.2115	51.2115
54	Carbon Tetrachloride	117	7.861	7.845	(0.961)	992051	54.4470	54.4470
58	Benzene	78	7.999	7.993	(0.978)	3378600	55.0496	55.0496
56	1,2-Dichloroethane	62	7.969	7.953	(0.975)	1278677	65.1711	65.1711(R)
61	Trichloroethene	95	8.492	8.486	(1.039)	921358	53.6287	53.6287
65	1,2-Dichloropropane	63	8.689	8.683	(1.063)	884639	54.1964	54.1964
67	Dibromomethane	93	8.808	8.802	(1.077)	748313	59.2375	59.2375
68	Bromodichloromethane	83	8.887	8.880	(1.087)	1295590	57.6629	57.6629
69	2-Chloroethyl vinyl ether	63	9.044	9.038	(1.106)	505476	57.2012	57.2012
71	cis-1,3-Dichloropropene	75	9.252	9.245	(1.131)	1528948	57.8892	57.8892
72	4-Methyl-2-pentanone	43	9.321	9.314	(1.140)	4434967	235.016	235.016
74	Toluene	91	9.597	9.591	(1.174)	3503603	56.3377	56.3377
76	trans-1,3-Dichloropropene	75	9.705	9.699	(1.187)	1439046	61.3123	61.3123
77	1,1,2-Trichloroethane	97	9.903	9.896	(1.211)	867110	60.9735	60.9735
80	Tetrachloroethene	164	10.129	10.123	(0.934)	705534	53.0171	53.0171
79	1,3-Dichloropropane	76	10.080	10.074	(0.930)	1453343	54.8700	54.8700
78	2-Hexanone	43	10.051	10.044	(0.927)	3114825	205.051	205.051
81	Dibromochloromethane	129	10.317	10.311	(0.952)	1166815	56.3534	56.3534
83	1,2-Dibromoethane	107	10.465	10.459	(0.965)	1055584	55.4133	55.4133
84	1-Chlorohexane	91	10.741	10.735	(0.991)	1220155	45.4066	45.4066
86	Chlorobenzene	112	10.869	10.863	(1.003)	2495253	54.6857	54.6857
87	1,1,1,2-Tetrachloroethane	131	10.909	10.902	(1.006)	942252	56.2917	56.2917
88	Ethylbenzene	106	10.909	10.902	(1.006)	1205488	52.8500	52.8500
89	m and p-Xylene	106	10.997	10.991	(1.015)	3087467	106.484	106.484
90	o-Xylene	106	11.353	11.346	(1.047)	1531193	53.7885	53.7885
91	Styrene	104	11.353	11.346	(1.047)	2686257	57.1144	57.1144
92	Bromoform	173	11.570	11.563	(1.067)	818289	61.9821	61.9821
93	isopropyl benzene	105	11.648	11.642	(0.903)	3864367	48.0219	48.0219
97	1,1,2,2-Tetrachloroethane	83	11.865	11.859	(0.920)	1298822	51.0203	51.0203
100	Bromobenzene	156	12.004	11.997	(0.930)	1133611	52.5953	52.5953
99	1,2,3-Trichloropropane	110	11.944	11.948	(0.926)	367617	52.2316	52.2316(Q)
101	n-Propylbenzene	120	12.013	12.007	(0.931)	1021671	48.9615	48.9615
103	2-Chlorotoluene	126	12.142	12.135	(0.941)	975820	49.1229	49.1228
102	1,3,5-Trimethylbenzene	105	12.142	12.135	(0.941)	3172832	49.1957	49.1957
104	4-Chlorotoluene	126	12.230	12.224	(0.948)	1025811	51.5250	51.5250
105	tert-Butylbenzene	119	12.477	12.471	(0.967)	3112758	50.3233	50.3233
106	1,2,4-Trimethylbenzene	105	12.507	12.500	(0.969)	3298357	50.0422	50.0422
107	sec-Butylbenzene	105	12.674	12.668	(0.982)	4283866	48.4865	48.4865
108	4-Isopropyltoluene	119	12.783	12.777	(0.991)	3344583	49.1153	49.1153
109	1,3-Dichlorobenzene	146	12.842	12.846	(0.995)	1905709	50.1530	50.1530
111	1,4-dichlorobenzene	146	12.921	12.915	(1.002)	2042076	52.4418	52.4418
113	n-Butylbenzene	91	13.187	13.181	(1.022)	3271966	48.1496	48.1496
114	1,2-Dichlorobenzene	146	13.315	13.319	(1.032)	1917892	54.0904	54.0904

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
115 1,2-Dibromo-3-chloropropane	157	14.134	14.128	(1.096)	239571	52.0389	52.0389
116 1,2,4-Trichlorobenzene	180	15.170	15.164	(1.176)	1112037	54.9692	54.9692
117 Hexachlorobutadiene	225	15.347	15.341	(1.190)	617936	54.2345	54.2345
118 Naphthalene	128	15.554	15.548	(1.206)	2541547	54.8316	54.8316
119 1,2,3-Trichlorobenzene	180	15.900	15.893	(1.232)	908497	54.6388	54.6388

QC Flag Legend

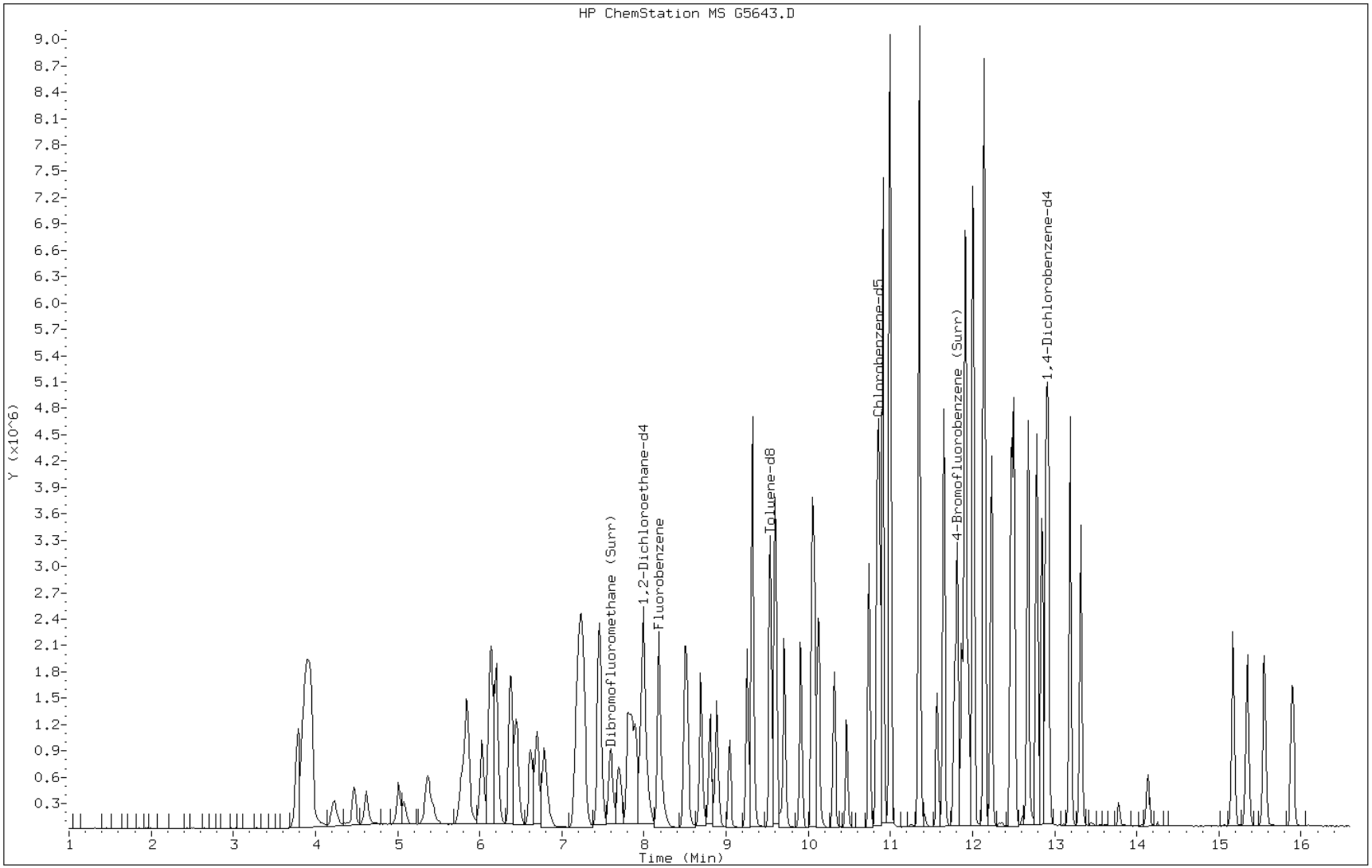
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: G5643.D

Date: 04-APR-2012 12:20

Client ID: Instrument: G.i

Sample Info: LCS Operator: HUBBSL



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-114501/2-A

Matrix: Solid | Lab File ID: G2_5387.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/06/2012 09:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	52.0		5.0	1.0	0.56
71-55-6	1,1,1-Trichloroethane	39.4		5.0	1.0	0.52
75-34-3	1,1-Dichloroethane	41.7		5.0	0.80	0.21
87-61-6	1,2,3-Trichlorobenzene	51.7		5.0	1.0	0.75
96-18-4	1,2,3-Trichloropropane	53.3		5.0	1.0	0.81
120-82-1	1,2,4-Trichlorobenzene	50.8		5.0	1.0	0.73
563-58-6	1,1-Dichloropropene	40.7		5.0	1.0	0.54
75-35-4	1,1-Dichloroethene	42.5		5.0	1.0	0.59
96-12-8	1,2-Dibromo-3-Chloropropane	49.6		10	1.0	0.60
79-00-5	1,1,2-Trichloroethane	45.3		5.0	1.0	0.88
79-34-5	1,1,2,2-Tetrachloroethane	52.5		5.0	1.0	0.61
95-63-6	1,2,4-Trimethylbenzene	47.7		5.0	1.0	0.58
95-50-1	1,2-Dichlorobenzene	49.5		5.0	1.0	0.45
107-06-2	1,2-Dichloroethane	48.0		5.0	1.0	0.70
541-73-1	1,3-Dichlorobenzene	48.3		5.0	1.0	0.48
142-28-9	1,3-Dichloropropane	51.7		5.0	1.0	0.51
108-67-8	1,3,5-Trimethylbenzene	48.4		5.0	1.0	0.57
106-46-7	1,4-Dichlorobenzene	48.5		5.0	1.0	0.78
78-87-5	1,2-Dichloropropane	41.2		5.0	1.0	0.55
594-20-7	2,2-Dichloropropane	37.9		5.0	1.0	0.44
78-93-3	2-Butanone (MEK)	233		20	6.4	1.8
591-78-6	2-Hexanone	216		20	10	4.9
99-87-6	4-Isopropyltoluene	47.4		5.0	1.0	0.49
108-10-1	4-Methyl-2-pentanone (MIBK)	193		20	10	4.4
67-64-1	Acetone	183		20	10	5.4
71-43-2	Benzene	41.3		5.0	1.0	0.47
108-86-1	Bromobenzene	50.1		5.0	1.0	0.49
75-25-2	Bromoform	51.1		5.0	0.80	0.23
95-49-8	2-Chlorotoluene	48.3		5.0	1.0	0.51
74-83-9	Bromomethane	48.2		10	1.0	0.50
106-43-4	4-Chlorotoluene	47.7		5.0	1.0	0.78
75-15-0	Carbon disulfide	34.0		5.0	1.0	0.42
56-23-5	Carbon tetrachloride	41.1		5.0	1.0	0.63
108-90-7	Chlorobenzene	48.7		5.0	1.0	0.54
74-97-5	Chlorobromomethane	45.9		5.0	1.0	0.30
124-48-1	Chlorodibromomethane	56.1		5.0	1.0	0.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-114501/2-A

Matrix: Solid Lab File ID: G2_5387.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/06/2012 09:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 114709 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-00-3	Chloroethane	45.7		10	1.0	0.89
67-66-3	Chloroform	43.6		10	1.0	0.29
74-87-3	Chloromethane	48.5		10	1.0	0.77
156-59-2	cis-1,2-Dichloroethene	43.2		5.0	1.0	0.56
10061-01-5	cis-1,3-Dichloropropene	42.7		5.0	2.0	1.3
74-95-3	Dibromomethane	46.0		5.0	1.0	0.84
75-27-4	Dichlorobromomethane	46.2		5.0	0.80	0.22
75-71-8	Dichlorodifluoromethane	34.9		10	1.0	0.52
100-41-4	Ethylbenzene	47.4		5.0	1.0	0.67
106-93-4	Ethylene Dibromide	53.6		5.0	1.0	0.52
87-68-3	Hexachlorobutadiene	48.9		5.0	1.0	0.55
98-82-8	Isopropylbenzene	48.5		5.0	1.0	0.59
1634-04-4	Methyl tert-butyl ether	41.6		20	1.0	0.34
75-09-2	Methylene Chloride	44.6		5.0	3.2	1.6
179601-23-1	m-Xylene & p-Xylene	92.7		3.2	2.0	1.0
91-20-3	Naphthalene	50.1		5.0	1.0	0.63
104-51-8	n-Butylbenzene	46.2		5.0	1.0	0.56
103-65-1	N-Propylbenzene	46.8		5.0	1.0	0.58
95-47-6	o-Xylene	47.0		5.0	1.0	0.61
135-98-8	sec-Butylbenzene	48.7		5.0	1.0	0.77
100-42-5	Styrene	48.2		5.0	1.0	0.63
98-06-6	tert-Butylbenzene	49.7		5.0	1.0	0.50
127-18-4	Tetrachloroethene	49.3		5.0	1.0	0.59
108-88-3	Toluene	41.1		5.0	1.0	0.69
156-60-5	trans-1,2-Dichloroethene	41.6		5.0	1.0	0.39
544-10-5	1-Chlorohexane	42.5		5.0	0.80	0.63
10061-02-6	trans-1,3-Dichloropropene	43.3		5.0	1.0	0.67
79-01-6	Trichloroethene	42.2		5.0	0.80	0.23
75-69-4	Trichlorofluoromethane	46.1		10	2.0	1.0
75-01-4	Vinyl chloride	45.6		5.0	2.0	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-114501/2-A

Matrix: Solid Lab File ID: G2_5387.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/06/2012 09:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 114709 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		61-129
460-00-4	4-Bromofluorobenzene (Surr)	96		85-120
1868-53-7	Dibromofluoromethane (Surr)	85		71-126
2037-26-5	Toluene-d8 (Surr)	101		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5387.D
Lab Smp Id: LCS
Inj Date : 06-APR-2012 09:50
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : LCS,5.003, 4/5/R10
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\8260B-soil.m
Meth Date : 06-Apr-2012 11:58 hubbsl Quant Type: ISTD
Cal Date : 24-MAR-2012 03:16 Cal File: G2_4886.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LCSlong.sub
Target Version: 4.14
Processing Host: DENPC232

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.003	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 61	Fluorobenzene	96	7.745	7.745	(1.000)	2162928	50.0000	
* 87	Chlorobenzene-d5	119	10.012	10.012	(1.000)	462651	50.0000	
* 112	1,4-Dichlorobenzene-d4	152	11.864	11.856	(1.000)	725026	50.0000	
$ 51	Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	615182	46.8057	46.7776
$ 57	1,2-Dichloroethane-d4	65	7.480	7.480	(0.966)	682653	45.1116	45.0845
$ 75	Toluene-d8	98	8.925	8.925	(0.891)	2365021	55.4659	55.4327
$ 98	4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.917)	779716	53.0192	52.9874
M 1	1,2-Dichloroethene (total)	96				1222342	84.7965	84.7457
M 2	Xylene (total)	106				3042206	139.702	139.618
6	dichlorodifluoromethane	85	4.031	4.032	(0.521)	578454	34.9308	34.9098
8	Chloromethane	50	4.227	4.241	(0.546)	695537	48.4844	48.4553
9	Vinyl Chloride	62	4.381	4.395	(0.566)	771135	45.6023	45.5749
12	Bromomethane	94	4.744	4.758	(0.613)	547232	48.2464	48.2175
13	Chloroethane	64	4.828	4.828	(0.623)	504046	45.6555	45.6282
15	Trichlorofluoromethane	101	5.093	5.107	(0.658)	975194	46.1052	46.0776
24	1,1-Dichloroethene	96	5.526	5.526	(0.713)	556044	42.5422	42.5167
21	Acetone	43	5.470	5.484	(0.706)	795412	182.809	182.699
25	Iodomethane	142	5.693	5.707	(0.735)	878230	45.0380	45.0110
29	Carbon Disulfide	76	5.805	5.805	(0.750)	1868339	34.0355	34.0151(Q)
31	Methylene Chloride	84	5.861	5.875	(0.757)	666153	44.5813	44.5545
33	Methyl t-butyl ether	73	6.065	6.072	(0.783)	1881650	41.5738	41.5488
34	trans-1,2-Dichloroethene	96	6.100	6.108	(0.788)	584866	41.6363	41.6114

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
38	1,1-Dichloroethane	63	6.415	6.422	(0.828)	1039825	41.6774	41.6524
36	Vinyl acetate	43	6.351	6.351	(0.820)	879949	31.4525	31.4337(RH)
42	2-Butanone	43	6.787	6.794	(0.876)	1414724	233.456	233.316
43	2-Butanol	45	6.830	6.837	(0.882)	1548016	853.157	852.646
45	cis-1,2-Dichloroethene	96	6.851	6.858	(0.885)	637476	43.1602	43.1343
46	2,2-Dichloropropane	77	6.887	6.894	(0.889)	818080	37.9256	37.9028
48	Bromochloromethane	128	7.044	7.052	(0.910)	303177	45.8974	45.8699
49	Chloroform	83	7.059	7.059	(0.911)	969122	43.6335	43.6073
53	1,1,1-Trichloroethane	97	7.287	7.295	(0.941)	802304	39.3687	39.3450
55	1,1-Dichloropropene	75	7.388	7.395	(0.954)	786295	40.7091	40.6847
56	Carbon Tetrachloride	117	7.430	7.438	(0.959)	633135	41.1015	41.0768
60	Benzene	78	7.573	7.573	(0.978)	2227550	41.3494	41.3246
58	1,2-Dichloroethane	62	7.538	7.538	(0.973)	751299	48.0394	48.0106
63	Trichloroethene	95	8.031	8.038	(1.037)	557252	42.2287	42.2034
64	2-Pentanone	43	8.053	8.052	(1.040)	786519	72.1000	72.0567
66	1,2-Dichloropropane	63	8.210	8.210	(1.060)	546953	41.1965	41.1718
69	Dibromomethane	93	8.310	8.310	(1.073)	319299	46.0328	46.0052
70	Bromodichloromethane	83	8.381	8.381	(1.082)	646886	46.2497	46.2219
72	2-Chloroethyl vinyl ether	63	8.510	8.510	(1.099)	295691	38.6795	38.6563(a)
73	cis-1,3-Dichloropropene	75	8.696	8.696	(1.123)	786346	42.7373	42.7117
74	4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	2455817	193.242	193.126
76	Toluene	91	8.982	8.982	(1.160)	2255139	41.0522	41.0275
78	trans-1,3-Dichloropropene	75	9.068	9.068	(1.171)	677309	43.2835	43.2576
80	1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	421977	45.3303	45.3031
83	Tetrachloroethene	164	9.404	9.404	(0.939)	423670	49.3084	49.2789
82	1,3-Dichloropropane	76	9.361	9.361	(0.935)	740429	51.7134	51.6824
81	2-Hexanone	43	9.340	9.332	(0.933)	1584075	215.692	215.562
84	Dibromochloromethane	129	9.561	9.561	(0.955)	424281	56.0841	56.0504
85	1,2-Dibromoethane	107	9.690	9.683	(0.968)	420896	53.6154	53.5833
86	1-Chlorohexane	91	9.919	9.919	(0.991)	691211	42.5169	42.4914
88	Chlorobenzene	112	10.033	10.033	(1.002)	1443711	48.6567	48.6275
89	1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	496718	51.9959	51.9647
90	Ethylbenzene	106	10.076	10.069	(1.006)	815825	47.4434	47.4149
91	m and p-Xylene	106	10.148	10.148	(1.014)	2009808	92.7349	92.6793
92	o-Xylene	106	10.469	10.469	(1.046)	1032398	46.9672	46.9390
93	Styrene	104	10.469	10.462	(1.046)	1591378	48.2124	48.1835
94	Bromoform	173	10.669	10.662	(1.066)	233448	51.0885	51.0578
95	isopropyl benzene	105	10.734	10.734	(0.905)	2717049	48.4588	48.4298
99	1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.921)	604465	52.4641	52.4327
102	Bromobenzene	156	11.056	11.056	(0.932)	590958	50.0647	50.0346
101	1,2,3-Trichloropropane	110	10.998	10.998	(0.927)	171423	53.3103	53.2784
103	n-Propylbenzene	120	11.056	11.056	(0.932)	732361	46.7570	46.7289
105	2-Chlorotoluene	126	11.184	11.177	(0.943)	630599	48.2944	48.2654
104	1,3,5-Trimethylbenzene	105	11.170	11.163	(0.942)	2214175	48.4434	48.4144
106	4-Chlorotoluene	126	11.256	11.256	(0.949)	599584	47.7450	47.7164
107	tert-Butylbenzene	119	11.470	11.463	(0.967)	2187247	49.6959	49.6661
108	1,2,4-Trimethylbenzene	105	11.499	11.492	(0.969)	2221620	47.7221	47.6934
109	sec-Butylbenzene	105	11.656	11.649	(0.983)	2962971	48.7068	48.6776
111	1,3-Dichlorobenzene	146	11.814	11.814	(0.996)	1147100	48.2885	48.2595
110	4-Isopropyltoluene	119	11.749	11.742	(0.990)	2426482	47.4398	47.4113
113	1,4-dichlorobenzene	146	11.885	11.878	(1.002)	1159994	48.4553	48.4263
115	n-Butylbenzene	91	12.114	12.107	(1.021)	2315778	46.2413	46.2135
116	1,2-Dichlorobenzene	146	12.250	12.243	(1.033)	1137234	49.4885	49.4588
117	1,2-Dibromo-3-chloropropane	157	13.000	12.993	(1.096)	118675	49.5744	49.5447

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
118 1,2,4-Trichlorobenzene	180	13.973	13.966	(1.178)	876467	50.7718	50.7413
119 Hexachlorobutadiene	225	14.137	14.130	(1.192)	373287	48.9068	48.8775
120 Naphthalene	128	14.345	14.338	(1.209)	2246474	50.1152	50.0851
121 1,2,3-Trichlorobenzene	180	14.674	14.667	(1.237)	830504	51.6615	51.6305

QC Flag Legend

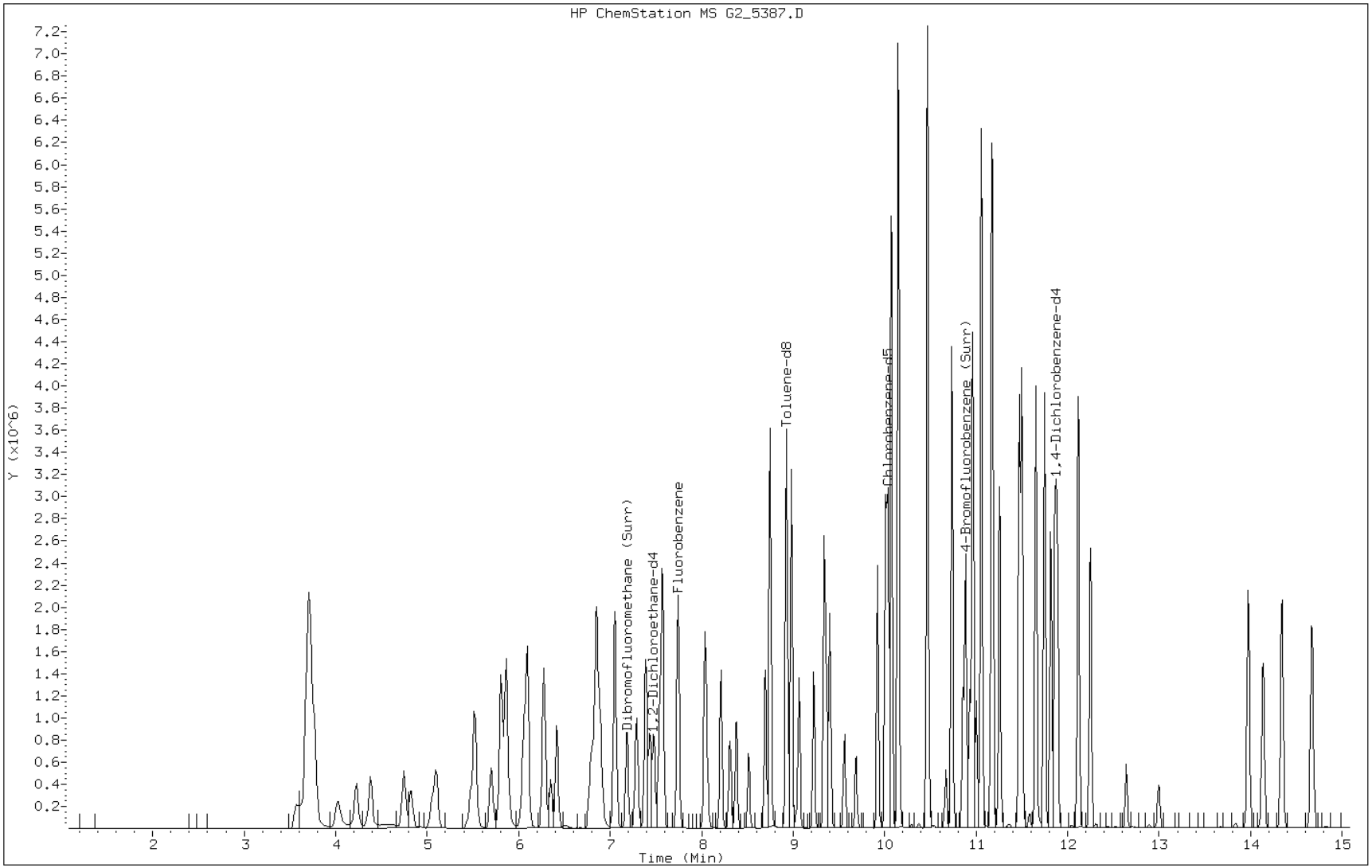
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: G2_5387.D

Date: 06-APR-2012 09:50

Client ID: Instrument: GCMS2.i

Sample Info: LCS,5.003, 4/5/R10 Operator: REINHARDT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-114706/4

Matrix: Water | Lab File ID: RR4246.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 07:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.87		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	5.04		1.0	0.20	0.16
75-34-3	1,1-Dichloroethane	5.16		1.0	0.20	0.16
87-61-6	1,2,3-Trichlorobenzene	5.00		1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	5.38		3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	5.12		1.0	0.80	0.32
563-58-6	1,1-Dichloropropene	5.04		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	5.25		1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	5.19		5.0	1.6	0.81
79-00-5	1,1,2-Trichloroethane	5.24		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	5.25		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	5.05		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.88		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	5.60		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.86		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	5.08		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	5.10		1.0	0.80	0.14
106-46-7	1,4-Dichlorobenzene	4.74		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	5.15		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	5.44		1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	25.4		6.0	3.2	1.8
591-78-6	2-Hexanone	22.2		5.0	3.2	1.4
99-87-6	4-Isopropyltoluene	4.86		1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	21.2		5.0	3.2	1.0
67-64-1	Acetone	21.2		10	6.4	1.9
71-43-2	Benzene	5.17		1.0	0.20	0.16
108-86-1	Bromobenzene	5.16		1.0	0.20	0.17
75-25-2	Bromoform	5.47		1.0	0.40	0.19
95-49-8	2-Chlorotoluene	4.96		1.0	0.40	0.17
74-83-9	Bromomethane	4.36		2.0	0.40	0.21
106-43-4	4-Chlorotoluene	5.04		1.0	0.40	0.17
75-15-0	Carbon disulfide	3.41		2.0	0.80	0.45
56-23-5	Carbon tetrachloride	4.96		2.0	0.40	0.19
108-90-7	Chlorobenzene	4.83		1.0	0.20	0.17
74-97-5	Chlorobromomethane	5.05		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.99		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-114706/4

Matrix: Water | Lab File ID: RR4246.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/09/2012 07:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 114706 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-00-3	Chloroethane	4.70		2.0	1.6	0.41
67-66-3	Chloroform	4.99		1.0	0.20	0.16
74-87-3	Chloromethane	4.74		2.0	1.6	0.30
156-59-2	cis-1,2-Dichloroethene	5.24		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	5.04		1.0	0.20	0.16
74-95-3	Dibromomethane	5.39		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	5.06		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	3.82		2.0	0.80	0.31
100-41-4	Ethylbenzene	5.06		1.0	0.20	0.16
106-93-4	Ethylene Dibromide	5.32		1.0	0.20	0.18
87-68-3	Hexachlorobutadiene	5.00		1.0	0.40	0.12
98-82-8	Isopropylbenzene	5.07		1.0	0.40	0.19
1634-04-4	Methyl tert-butyl ether	5.51		5.0	0.40	0.25
75-09-2	Methylene Chloride	5.28		5.0	0.40	0.32
179601-23-1	m-Xylene & p-Xylene	10.2		2.0	0.80	0.34
91-20-3	Naphthalene	4.84		1.0	0.80	0.22
104-51-8	n-Butylbenzene	5.05		1.0	0.40	0.14
103-65-1	N-Propylbenzene	4.98		1.0	0.20	0.16
95-47-6	o-Xylene	5.05		1.0	0.40	0.19
135-98-8	sec-Butylbenzene	5.02		1.0	0.40	0.17
100-42-5	Styrene	5.21		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.96		1.0	0.40	0.16
127-18-4	Tetrachloroethene	5.17		1.0	0.40	0.20
108-88-3	Toluene	5.09		1.0	0.40	0.17
156-60-5	trans-1,2-Dichloroethene	5.04		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	5.35		1.0	0.40	0.19
79-01-6	Trichloroethene	5.17		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.46		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.51		1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-114706/4

Matrix: Water Lab File ID: RR4246.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 04/09/2012 07:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 114706 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-120
460-00-4	4-Bromofluorobenzene (Surr)	99		75-120
1868-53-7	Dibromofluoromethane (Surr)	104		85-115
2037-26-5	Toluene-d8 (Surr)	107		85-120

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\RR4246.D
Lab Smp Id: LCS
Inj Date : 09-APR-2012 07:17
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : LCS,,2.5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\040912.B\8260B-H2O.m
Meth Date : 09-Apr-2012 09:07 DobranskyM Quant Type: ISTD
Cal Date : 15-MAR-2012 07:57 Cal File: RR3339.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	62 Fluorobenzene	96	8.596	8.602	(1.000)	1621131	12.5000	
*	88 Chlorobenzene-d5	119	11.466	11.471	(1.000)	371454	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.059	14.065	(1.000)	581530	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.995	7.999	(0.930)	524713	10.9254	10.9254
$	58 1,2-Dichloroethane-d4	65	8.320	8.325	(0.968)	383964	11.3184	11.3184
$	76 Toluene-d8	98	9.987	9.991	(0.871)	1695090	11.1845	11.1845
$	99 4-Bromofluorobenzene (Surr)	95	12.767	12.762	(0.908)	552765	10.3924	10.3924
M	2 1,2-Dichloroethene (total)	96				468321	10.2759	10.2759
M	3 Xylene (total)	106				1053421	15.2888	15.2888
	7 dichlorodifluoromethane	85	4.484	4.480	(0.522)	165151	3.82292	3.82292
	9 Chloromethane	50	4.721	4.726	(0.549)	129376	4.74204	4.74204
	10 Vinyl Chloride	62	4.898	4.894	(0.570)	154516	4.50536	4.50536
	12 Bromomethane	94	5.302	5.298	(0.617)	134651	4.36067	4.36067
	13 Chloroethane	64	5.362	5.367	(0.624)	100757	4.70358	4.70358
	15 Trichlorofluoromethane	101	5.687	5.693	(0.662)	289228	4.46040	4.46040
	24 Acetone	43	6.131	6.127	(0.713)	63874	21.1953	21.1953
	25 1,1-Dichloroethene	96	6.160	6.146	(0.717)	227908	5.24602	5.24602
	30 Carbon Disulfide	76	6.456	6.451	(0.751)	629408	3.40963	3.40962
	32 Methylene Chloride	84	6.545	6.541	(0.761)	206701	5.27963	5.27963
	34 Methyl t-butyl ether	73	6.732	6.727	(0.783)	296094	5.51162	5.51162
	35 trans-1,2-Dichloroethene	96	6.782	6.778	(0.789)	236260	5.03775	5.03775
	37 Vinyl acetate	43	7.068	7.072	(0.822)	115632	4.18829	4.18829

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
39	1,1-Dichloroethane	63	7.147	7.142	(0.831)	400615	5.16227	5.16227
43	2-Butanone	43	7.571	7.566	(0.881)	107510	25.4244	25.4244
44	2-Butanol	45	7.610	7.605	(0.885)	105289	150.369	150.369
45	cis-1,2-Dichloroethene	96	7.620	7.626	(0.886)	232061	5.23812	5.23812
47	2,2-Dichloropropane	77	7.649	7.645	(0.890)	364996	5.43796	5.43796
49	Bromochloromethane	128	7.847	7.843	(0.913)	99652	5.04893	5.04893
50	Chloroform	83	7.857	7.852	(0.914)	405300	4.98681	4.98681
54	1,1,1-Trichloroethane	97	8.083	8.089	(0.940)	353331	5.03654	5.03654
56	1,1-Dichloropropene	75	8.202	8.198	(0.954)	352480	5.04199	5.04199
57	Carbon Tetrachloride	117	8.241	8.237	(0.959)	340727	4.95829	4.95829
60	1,2-Dichloroethane	62	8.389	8.395	(0.976)	189402	5.60290	5.60290
61	Benzene	78	8.409	8.405	(0.978)	825478	5.17356	5.17356
64	Trichloroethene	95	8.912	8.917	(1.037)	246071	5.17037	5.17037
65	2-Pentanone	43	8.961	8.966	(1.042)	69805	10.6701	10.6701
68	1,2-Dichloropropane	63	9.139	9.134	(1.063)	172910	5.14645	5.14645
70	Dibromomethane	93	9.257	9.263	(1.077)	86844	5.38789	5.38789
71	Bromodichloromethane	83	9.336	9.332	(1.086)	242134	5.06372	5.06372
74	cis-1,3-Dichloropropene	75	9.710	9.716	(1.130)	267602	5.03531	5.03530
75	4-Methyl-2-pentanone	43	9.779	9.775	(1.138)	199476	21.1793	21.1793
77	Toluene	91	10.056	10.051	(1.170)	823365	5.08684	5.08684
79	trans-1,3-Dichloropropene	75	10.184	10.190	(1.185)	203096	5.34642	5.34642
80	1,1,2-Trichloroethane	97	10.391	10.397	(1.209)	94940	5.24330	5.24330
81	2-Hexanone	43	10.539	10.545	(0.919)	145421	22.1771	22.1771
82	1,3-Dichloropropane	76	10.578	10.584	(0.923)	173153	5.07857	5.07857
83	Tetrachloroethene	164	10.598	10.594	(0.924)	236245	5.16750	5.16750
84	Dibromochloromethane	129	10.844	10.840	(0.946)	158741	4.99411	4.99411
86	1,2-Dibromoethane	107	11.022	11.028	(0.961)	107111	5.32392	5.32392
89	Chlorobenzene	112	11.505	11.501	(1.003)	539376	4.82913	4.82913
90	1,1,1,2-Tetrachloroethane	131	11.555	11.550	(1.008)	191997	4.87335	4.87335
91	Ethylbenzene	106	11.545	11.550	(1.007)	295551	5.06088	5.06088
92	m and p-Xylene	106	11.663	11.669	(1.017)	728127	10.2431	10.2430
93	o-Xylene	106	12.156	12.162	(1.060)	325294	5.04579	5.04579
94	Styrene	104	12.166	12.162	(1.061)	527197	5.21229	5.21229
95	Bromoform	173	12.472	12.467	(1.088)	82801	5.46836	5.46836
96	isopropyl benzene	105	12.541	12.546	(0.892)	981935	5.06923	5.06923
100	1,1,2,2-Tetrachloroethane	83	12.836	12.842	(0.913)	105866	5.24685	5.24685
102	1,2,3-Trichloropropane	110	12.945	12.941	(0.921)	26746	5.38124	5.38124(Q)
103	Bromobenzene	156	12.984	12.990	(0.924)	241361	5.16293	5.16293
104	n-Propylbenzene	120	12.984	12.990	(0.924)	275487	4.97742	4.97742
106	2-Chlorotoluene	126	13.152	13.148	(0.935)	240024	4.96143	4.96143
105	1,3,5-Trimethylbenzene	105	13.142	13.138	(0.935)	786206	5.10195	5.10194
107	4-Chlorotoluene	126	13.261	13.256	(0.943)	243007	5.04157	5.04157
108	tert-Butylbenzene	119	13.537	13.533	(0.963)	748219	4.95849	4.95849
109	1,2,4-Trimethylbenzene	105	13.576	13.582	(0.966)	772478	5.04991	5.04991
110	sec-Butylbenzene	134	13.783	13.779	(0.980)	239464	5.01592	5.01592
111	4-Isopropyltoluene	119	13.911	13.907	(0.989)	921359	4.86233	4.86233
112	1,3-Dichlorobenzene	146	14.000	13.996	(0.996)	464415	4.86277	4.86277
114	1,4-dichlorobenzene	146	14.089	14.095	(1.002)	452445	4.74082	4.74082
116	n-Butylbenzene	91	14.404	14.410	(1.025)	894059	5.04966	5.04966
117	1,2-Dichlorobenzene	146	14.572	14.578	(1.036)	369264	4.88147	4.88147
118	1,2-Dibromo-3-chloropropane	157	15.578	15.574	(1.108)	18556	5.19283	5.19283
120	1,2,4-Trichlorobenzene	180	16.781	16.787	(1.194)	254591	5.12017	5.12017
121	Hexachlorobutadiene	225	16.978	16.974	(1.208)	196817	4.99669	4.99669
122	Naphthalene	128	17.244	17.240	(1.227)	287639	4.84004	4.84004

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
123 1,2,3-Trichlorobenzene	180	17.649	17.645	(1.255)	191233	5.00378	5.00378

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR4246.D

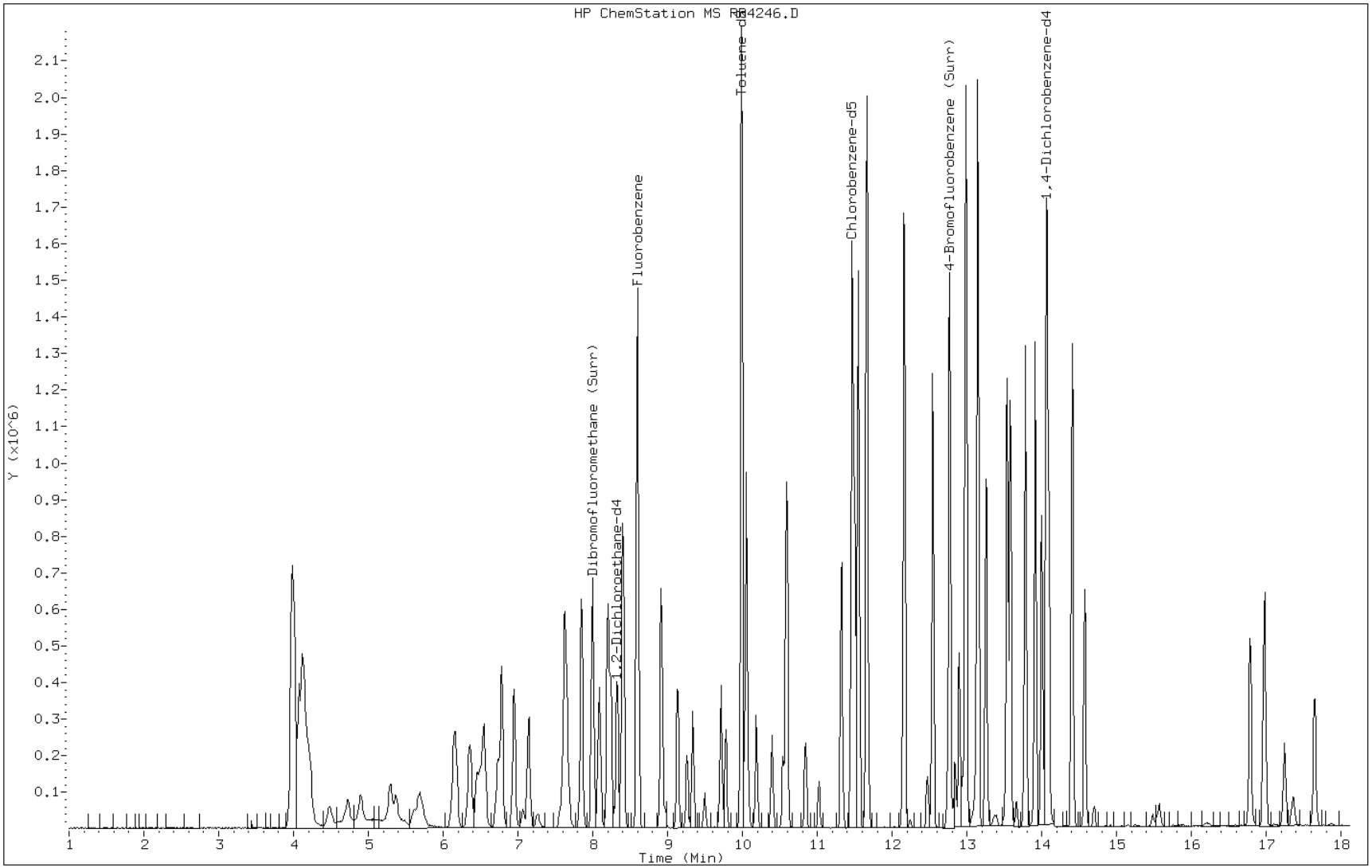
Date: 09-APR-2012 07:17

Client ID:

Instrument: R2.i

Sample Info: LCS,,2.5uL

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA MS | Lab Sample ID: 280-27123-4 MS

Matrix: Solid | Lab File ID: G2_5392.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 11:20

Sample wt/vol: 5.110(g) | Date Analyzed: 04/06/2012 11:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 32.4 | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	68.9		7.2	1.4	0.81
71-55-6	1,1,1-Trichloroethane	56.8		7.2	1.4	0.75
75-34-3	1,1-Dichloroethane	61.6		7.2	1.2	0.30
87-61-6	1,2,3-Trichlorobenzene	18.8	J	7.2	1.4	1.1
96-18-4	1,2,3-Trichloropropane	83.0		7.2	1.4	1.2
120-82-1	1,2,4-Trichlorobenzene	23.3	J	7.2	1.4	1.1
563-58-6	1,1-Dichloropropene	56.2		7.2	1.4	0.78
75-35-4	1,1-Dichloroethene	60.8		7.2	1.4	0.85
96-12-8	1,2-Dibromo-3-Chloropropane	48.1		14	1.4	0.87
79-00-5	1,1,2-Trichloroethane	54.0		7.2	1.4	1.3
79-34-5	1,1,2,2-Tetrachloroethane	71.9		7.2	1.4	0.88
95-63-6	1,2,4-Trimethylbenzene	63.5		7.2	1.4	0.84
95-50-1	1,2-Dichlorobenzene	43.9	J	7.2	1.4	0.65
107-06-2	1,2-Dichloroethane	65.9		7.2	1.4	1.0
541-73-1	1,3-Dichlorobenzene	51.1		7.2	1.4	0.69
142-28-9	1,3-Dichloropropane	76.1		7.2	1.4	0.74
108-67-8	1,3,5-Trimethylbenzene	68.4		7.2	1.4	0.82
106-46-7	1,4-Dichlorobenzene	49.0	J	7.2	1.4	1.1
78-87-5	1,2-Dichloropropane	57.5		7.2	1.4	0.80
594-20-7	2,2-Dichloropropane	56.1		7.2	1.4	0.64
78-93-3	2-Butanone (MEK)	826	J	29	9.3	2.6
591-78-6	2-Hexanone	272		29	14	7.1
99-87-6	4-Isopropyltoluene	60.6		7.2	1.4	0.71
108-10-1	4-Methyl-2-pentanone (MIBK)	243		29	14	6.3
67-64-1	Acetone	172		29	14	7.8
71-43-2	Benzene	58.6		7.2	1.4	0.68
108-86-1	Bromobenzene	68.4		7.2	1.4	0.71
75-25-2	Bromoform	52.5		7.2	1.2	0.33
95-49-8	2-Chlorotoluene	67.9		7.2	1.4	0.74
74-83-9	Bromomethane	68.0		14	1.4	0.72
106-43-4	4-Chlorotoluene	64.6		7.2	1.4	1.1
75-15-0	Carbon disulfide	46.9		7.2	1.4	0.61
56-23-5	Carbon tetrachloride	57.2		7.2	1.4	0.91
108-90-7	Chlorobenzene	61.0		7.2	1.4	0.78
74-97-5	Chlorobromomethane	63.8		7.2	1.4	0.43
124-48-1	Chlorodibromomethane	73.7		7.2	1.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA MS | Lab Sample ID: 280-27123-4 MS

Matrix: Solid | Lab File ID: G2_5392.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 11:20

Sample wt/vol: 5.110(g) | Date Analyzed: 04/06/2012 11:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 32.4 | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-00-3	Chloroethane	66.6		14	1.4	1.3
67-66-3	Chloroform	62.6		14	1.4	0.42
74-87-3	Chloromethane	73.2		14	1.4	1.1
156-59-2	cis-1,2-Dichloroethene	60.9		7.2	1.4	0.81
10061-01-5	cis-1,3-Dichloropropene	50.0	J	7.2	2.9	1.9
74-95-3	Dibromomethane	58.6		7.2	1.4	1.2
75-27-4	Dichlorobromomethane	60.6		7.2	1.2	0.32
75-71-8	Dichlorodifluoromethane	51.1		14	1.4	0.75
100-41-4	Ethylbenzene	63.6		7.2	1.4	0.97
106-93-4	Ethylene Dibromide	72.0		7.2	1.4	0.75
87-68-3	Hexachlorobutadiene	39.5		7.2	1.4	0.80
98-82-8	Isopropylbenzene	81.4		7.2	1.4	0.85
1634-04-4	Methyl tert-butyl ether	59.5		29	1.4	0.49
75-09-2	Methylene Chloride	65.3		7.2	4.6	2.3
179601-23-1	m-Xylene & p-Xylene	119		4.6	2.9	1.5
91-20-3	Naphthalene	18.5	J	7.2	1.4	0.91
104-51-8	n-Butylbenzene	53.5		7.2	1.4	0.81
103-65-1	N-Propylbenzene	72.4		7.2	1.4	0.84
95-47-6	o-Xylene	57.3		7.2	1.4	0.88
135-98-8	sec-Butylbenzene	65.3		7.2	1.4	1.1
100-42-5	Styrene	50.2	J	7.2	1.4	0.91
98-06-6	tert-Butylbenzene	71.5		7.2	1.4	0.72
127-18-4	Tetrachloroethene	67.7		7.2	1.4	0.85
108-88-3	Toluene	52.6		7.2	1.4	1.0
123-91-1	1,4-Dioxane	120	U	720	120	81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29	U	29	29	0.65
156-60-5	trans-1,2-Dichloroethene	60.7		7.2	1.4	0.56
544-10-5	1-Chlorohexane	52.5		7.2	1.2	0.91
10061-02-6	trans-1,3-Dichloropropene	49.1		7.2	1.4	0.97
110-82-7	Cyclohexane	2.3	U	7.2	2.3	0.58
79-01-6	Trichloroethene	57.3		7.2	1.2	0.33
79-20-9	Methyl acetate	34.7		12	5.8	4.0
75-69-4	Trichlorofluoromethane	66.0		14	2.9	1.5
108-87-2	Methylcyclohexane	1.2	U	7.2	1.2	0.61
75-01-4	Vinyl chloride	67.2		7.2	2.9	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA MS Lab Sample ID: 280-27123-4 MS

Matrix: Solid Lab File ID: G2_5392.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 11:20

Sample wt/vol: 5.110(g) Date Analyzed: 04/06/2012 11:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 32.4 Level: (low/med) Low

Analysis Batch No.: 114709 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		61-129
460-00-4	4-Bromofluorobenzene (Surr)	116		85-120
1868-53-7	Dibromofluoromethane (Surr)	84		71-126
2037-26-5	Toluene-d8 (Surr)	111		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5392.D
Lab Smp Id: 280-27123-b-4-c ms
Inj Date : 06-APR-2012 11:39
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : 280-27123-b-4-c ms,5.110,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\8260B-soil.m
Meth Date : 06-Apr-2012 11:58 hubbsl Quant Type: ISTD
Cal Date : 24-MAR-2012 03:16 Cal File: G2_4886.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC252

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.110	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 61	Fluorobenzene	96	7.745	7.745	(1.000)	2030709	50.0000	
* 87	Chlorobenzene-d5	119	10.011	10.012	(1.000)	365679	50.0000	
* 112	1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	397836	50.0000	
$ 51	Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	570240	46.2112	45.2164
$ 57	1,2-Dichloroethane-d4	65	7.480	7.480	(0.966)	619749	43.6213	42.6822
$ 75	Toluene-d8	98	8.925	8.925	(0.891)	2066644	61.3212	60.0012
$ 98	4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.918)	515374	63.8658	62.4910
M 1	1,2-Dichloroethene (total)	96				1136820	84.0328	82.2239
M 2	Xylene (total)	106				2095669	121.775	119.154
6	dichlorodifluoromethane	85	4.031	4.032	(0.521)	549120	35.2888	34.5291
7	1,2-Dichlorotetraflouroethane	85	4.031	4.186	(0.521)	549120	62.6804	61.3312
8	Chloromethane	50	4.241	4.241	(0.548)	680981	50.5605	49.4721
9	Vinyl Chloride	62	4.394	4.395	(0.567)	737524	46.4544	45.4544
11	Ethylene Oxide	44	Compound Not Detected.					
12	Bromomethane	94	4.757	4.758	(0.614)	500495	46.9989	45.9872
13	Chloroethane	64	4.827	4.828	(0.623)	477433	46.0606	45.0691
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	5.107	5.107	(0.659)	905569	45.6011	44.6194
18	Ethyl Ether	59	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					
24	1,1-Dichloroethene	96	5.526	5.526	(0.713)	516017	42.0503	41.1451
22	2-Propanol	45	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
21 Acetone	43	5.484	5.484	(0.708)	485328	118.805	116.247
25 Iodomethane	142	5.707	5.707	(0.737)	767928	41.9456	41.0426
29 Carbon Disulfide	76	5.805	5.805	(0.750)	1670220	32.4074	31.7098(Q)
26 Acetonitrile	41	Compound Not Detected.					
28 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	5.721	5.721	(0.739)	266033	24.0029	23.4862
31 Methylene Chloride	84	5.875	5.875	(0.759)	632635	45.1283	44.1568
30 tert-Butyl alcohol	59	5.833	5.833	(0.753)	1384454	946.683	926.304(Q)
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	6.072	6.072	(0.784)	1747297	41.1189	40.2338
34 trans-1,2-Dichloroethene	96	6.107	6.108	(0.789)	553187	41.9452	41.0423
35 Hexane	57	6.279	6.279	(0.811)	586219	26.6353	26.0620
38 1,1-Dichloroethane	63	6.422	6.422	(0.829)	997101	42.5671	41.6508
36 Vinyl acetate	43	6.279	6.351	(0.811)	373380	14.2149	13.9089(QH)
37 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 2-Butanone	43	6.794	6.794	(0.877)	3249025	571.059	558.766
43 2-Butanol	45	6.837	6.837	(0.883)	993358	583.114	570.562
45 cis-1,2-Dichloroethene	96	6.858	6.858	(0.886)	583633	42.0876	41.1816
46 2,2-Dichloropropane	77	6.894	6.894	(0.890)	785343	38.7784	37.9436
41 Ethyl Acetate	43	Compound Not Detected.					
44 Propionitrile	54	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	7.051	7.052	(0.910)	273411	44.0861	43.1371
50 Tetrahydrofuran	42	Compound Not Detected.					
49 Chloroform	83	7.058	7.059	(0.911)	901865	43.2491	42.3181
53 1,1,1-Trichloroethane	97	7.287	7.295	(0.941)	750966	39.2488	38.4039
54 Cyclohexane	56	Compound Not Detected.					
55 1,1-Dichloropropene	75	7.394	7.395	(0.955)	703877	38.8148	37.9792
56 Carbon Tetrachloride	117	7.437	7.438	(0.960)	572078	39.5559	38.7044
52 Isobutanol	41	Compound Not Detected.					
60 Benzene	78	7.573	7.573	(0.978)	2050056	40.5324	39.6598
58 1,2-Dichloroethane	62	7.537	7.538	(0.973)	668354	45.5183	44.5384
59 TAME	73	Compound Not Detected.					
62 n-Butanol	56	Compound Not Detected.					
63 Trichloroethene	95	8.031	8.038	(1.037)	490363	39.5793	38.7273
64 2-Pentanone	43	8.059	8.052	(1.041)	623844	60.9111	59.5998
67 Methyl Cyclohexane	83	Compound Not Detected.					
66 1,2-Dichloropropane	63	8.210	8.210	(1.060)	495378	39.7413	38.8858
65 Methyl Methacrylate	100	Compound Not Detected.					
69 Dibromomethane	93	8.310	8.310	(1.073)	263696	40.4919	39.6202
68 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	8.381	8.381	(1.082)	550009	41.8837	40.9821
71 2-nitropropane	41	8.510	8.510	(1.099)	9737	3.27248	3.20203(aQ)
72 2-Chloroethyl vinyl ether	63	8.510	8.510	(1.099)	165970	23.1242	22.6264(a)
73 cis-1,3-Dichloropropene	75	8.696	8.696	(1.123)	597425	34.5837	33.8392
74 4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	2000026	167.623	164.015
76 Toluene	91	8.982	8.982	(1.160)	1875787	36.3698	35.5869
78 trans-1,3-Dichloropropene	75	9.068	9.068	(1.171)	498424	33.9257	33.1954
77 Ethyl methacrylate	69	Compound Not Detected.					
80 1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	325902	37.2890	36.4863
83 Tetrachloroethene	164	9.404	9.404	(0.939)	317971	46.8203	45.8125

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
82 1,3-Dichloropropane	76	9.361	9.361	(0.935)	595154	52.5899	51.4578
81 2-Hexanone	43	9.339	9.332	(0.933)	1091641	188.058	184.010
84 Dibromochloromethane	129	9.561	9.561	(0.955)	304463	50.9183	49.8222
85 1,2-Dibromoethane	107	9.683	9.683	(0.967)	308858	49.7768	48.7053
86 1-Chlorohexane	91	9.918	9.919	(0.991)	466211	36.2816	35.5006
88 Chlorobenzene	112	10.033	10.033	(1.002)	988100	42.1324	41.2255
89 1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	359387	47.5965	46.5719
90 Ethylbenzene	106	10.069	10.069	(1.006)	597694	43.9755	43.0289
91 m and p-Xylene	106	10.147	10.148	(1.014)	1407866	82.1870	80.4178
92 o-Xylene	106	10.469	10.469	(1.046)	687803	39.5882	38.7360
93 Styrene	104	10.469	10.462	(1.046)	904871	34.6837	33.9371
94 Bromoform	173	10.669	10.662	(1.066)	129731	36.2941	35.5128
95 isopropyl benzene	105	10.734	10.734	(0.905)	1731941	56.2935	55.0817
96 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	10.855	10.848	(1.084)	427929	1014.04	992.212
99 1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.922)	314111	49.6849	48.6153
102 Bromobenzene	156	11.055	11.056	(0.932)	306146	47.2664	46.2490
101 1,2,3-Trichloropropane	110	10.998	10.998	(0.928)	101276	57.3982	56.1626
100 t-1,4-Dichloro-2-butene	53	10.962	10.963	(0.925)	413475	210.767	206.230(AQ)
103 n-Propylbenzene	120	11.055	11.056	(0.932)	430223	50.0570	48.9794
105 2-Chlorotoluene	126	11.177	11.177	(0.943)	336123	46.9128	45.9029
104 1,3,5-Trimethylbenzene	105	11.163	11.163	(0.942)	1185301	47.2608	46.2434
106 4-Chlorotoluene	126	11.256	11.256	(0.949)	307517	44.6269	43.6662
107 tert-Butylbenzene	119	11.470	11.463	(0.967)	1192683	49.3853	48.3222
108 1,2,4-Trimethylbenzene	105	11.499	11.492	(0.970)	1120970	43.8827	42.9380
109 sec-Butylbenzene	105	11.649	11.649	(0.983)	1506481	45.1311	44.1596
111 1,3-Dichlorobenzene	146	11.813	11.814	(0.996)	459949	35.2859	34.5263
110 4-Isopropyltoluene	119	11.742	11.742	(0.990)	1175094	41.8685	40.9672
113 1,4-dichlorobenzene	146	11.878	11.878	(1.002)	445161	33.8885	33.1590
114 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
115 n-Butylbenzene	91	12.114	12.107	(1.022)	1016526	36.9914	36.1951
116 1,2-Dichlorobenzene	146	12.242	12.243	(1.033)	382234	30.3133	29.6608
117 1,2-Dibromo-3-chloropropane	157	12.993	12.993	(1.096)	42689	33.2496	32.5338
118 1,2,4-Trichlorobenzene	180	13.966	13.966	(1.178)	152261	16.0740	15.7280
119 Hexachlorobutadiene	225	14.130	14.130	(1.192)	114407	27.3167	26.7287
120 Naphthalene	128	14.337	14.338	(1.209)	313701	12.7536	12.4791
121 1,2,3-Trichlorobenzene	180	14.666	14.667	(1.237)	114562	12.9872	12.7076

QC Flag Legend

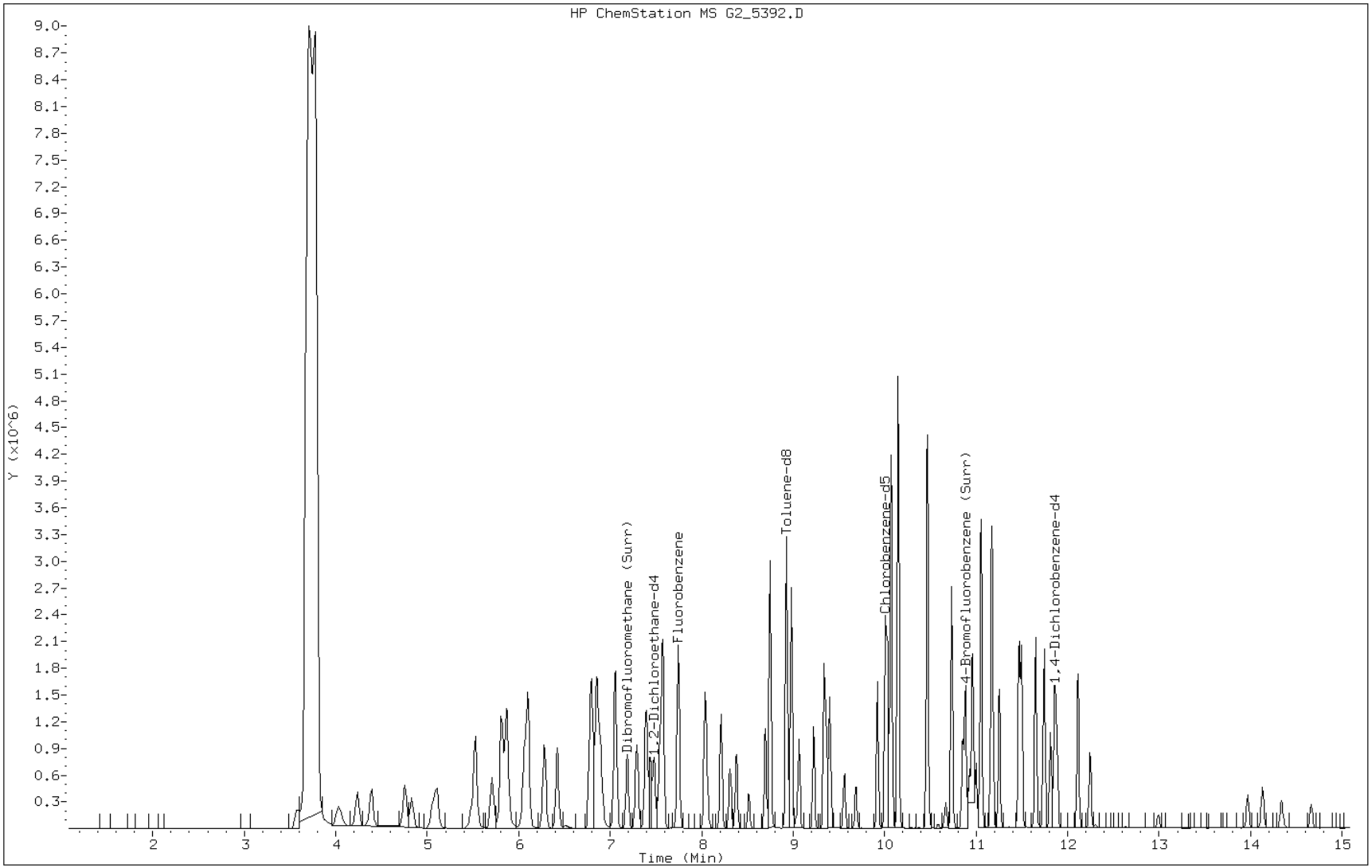
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: G2_5392.D

Date: 06-APR-2012 11:39

Client ID: Instrument: GCMS2.i

Sample Info: 280-27123-b-4-c ms,5.110, Operator: REINHARDT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA MS | Lab Sample ID: 280-27123-6 MS

Matrix: Solid | Lab File ID: G5657.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:00

Sample wt/vol: 5.024(g) | Date Analyzed: 04/04/2012 17:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 16.8 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	65.4		6.0	1.2	0.67
71-55-6	1,1,1-Trichloroethane	60.0		6.0	1.2	0.62
75-34-3	1,1-Dichloroethane	64.6		6.0	0.96	0.25
87-61-6	1,2,3-Trichlorobenzene	31.1	J	6.0	1.2	0.90
96-18-4	1,2,3-Trichloropropane	60.0		6.0	1.2	0.97
120-82-1	1,2,4-Trichlorobenzene	38.8		6.0	1.2	0.87
563-58-6	1,1-Dichloropropene	56.8		6.0	1.2	0.65
75-35-4	1,1-Dichloroethene	58.3		6.0	1.2	0.71
96-12-8	1,2-Dibromo-3-Chloropropane	46.1		12	1.2	0.72
79-00-5	1,1,2-Trichloroethane	65.2		6.0	1.2	1.1
79-34-5	1,1,2,2-Tetrachloroethane	55.2		6.0	1.2	0.73
95-63-6	1,2,4-Trimethylbenzene	58.8		6.0	1.2	0.69
95-50-1	1,2-Dichlorobenzene	56.2		6.0	1.2	0.54
107-06-2	1,2-Dichloroethane	78.2		6.0	1.2	0.84
541-73-1	1,3-Dichlorobenzene	57.6		6.0	1.2	0.57
142-28-9	1,3-Dichloropropane	58.9		6.0	1.2	0.61
108-67-8	1,3,5-Trimethylbenzene	60.6		6.0	1.2	0.68
106-46-7	1,4-Dichlorobenzene	56.7		6.0	1.2	0.93
78-87-5	1,2-Dichloropropane	62.8		6.0	1.2	0.66
594-20-7	2,2-Dichloropropane	62.3		6.0	1.2	0.53
78-93-3	2-Butanone (MEK)	594	J	24	7.7	2.2
591-78-6	2-Hexanone	201		24	12	5.9
99-87-6	4-Isopropyltoluene	55.8		6.0	1.2	0.59
108-10-1	4-Methyl-2-pentanone (MIBK)	246		24	12	5.2
67-64-1	Acetone	131		24	12	6.4
71-43-2	Benzene	62.6		6.0	1.2	0.56
108-86-1	Bromobenzene	62.2		6.0	1.2	0.59
75-25-2	Bromoform	63.0		6.0	0.96	0.28
95-49-8	2-Chlorotoluene	61.1		6.0	1.2	0.61
74-83-9	Bromomethane	53.6		12	1.2	0.60
106-43-4	4-Chlorotoluene	59.9		6.0	1.2	0.93
75-15-0	Carbon disulfide	48.6		6.0	1.2	0.50
56-23-5	Carbon tetrachloride	63.1		6.0	1.2	0.75
108-90-7	Chlorobenzene	61.4		6.0	1.2	0.65
74-97-5	Chlorobromomethane	67.2		6.0	1.2	0.36
124-48-1	Chlorodibromomethane	62.3		6.0	1.2	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA MS | Lab Sample ID: 280-27123-6 MS

Matrix: Solid | Lab File ID: G5657.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:00

Sample wt/vol: 5.024(g) | Date Analyzed: 04/04/2012 17:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 16.8 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-00-3	Chloroethane	52.8		12	1.2	1.1
67-66-3	Chloroform	67.4		12	1.2	0.35
74-87-3	Chloromethane	52.4		12	1.2	0.92
156-59-2	cis-1,2-Dichloroethene	63.0		6.0	1.2	0.67
10061-01-5	cis-1,3-Dichloropropene	62.2		6.0	2.4	1.5
74-95-3	Dibromomethane	64.0		6.0	1.2	1.0
75-27-4	Dichlorobromomethane	67.5		6.0	0.96	0.26
75-71-8	Dichlorodifluoromethane	46.6		12	1.2	0.62
100-41-4	Ethylbenzene	59.2		6.0	1.2	0.80
106-93-4	Ethylene Dibromide	56.6		6.0	1.2	0.62
87-68-3	Hexachlorobutadiene	39.7		6.0	1.2	0.66
98-82-8	Isopropylbenzene	59.9		6.0	1.2	0.71
1634-04-4	Methyl tert-butyl ether	62.5		24	1.2	0.41
75-09-2	Methylene Chloride	66.0		6.0	3.8	1.9
179601-23-1	m-Xylene & p-Xylene	117		3.8	2.4	1.2
91-20-3	Naphthalene	31.3		6.0	1.2	0.75
104-51-8	n-Butylbenzene	52.5		6.0	1.2	0.67
103-65-1	N-Propylbenzene	58.0		6.0	1.2	0.69
95-47-6	o-Xylene	58.3		6.0	1.2	0.73
135-98-8	sec-Butylbenzene	57.6		6.0	1.2	0.92
100-42-5	Styrene	56.6		6.0	1.2	0.75
98-06-6	tert-Butylbenzene	59.8		6.0	1.2	0.60
127-18-4	Tetrachloroethene	58.9		6.0	1.2	0.71
108-88-3	Toluene	61.2		6.0	1.2	0.83
123-91-1	1,4-Dioxane	96	U	600	96	67
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24	U	24	24	0.54
156-60-5	trans-1,2-Dichloroethene	60.9		6.0	1.2	0.47
544-10-5	1-Chlorohexane	47.2		6.0	0.96	0.75
10061-02-6	trans-1,3-Dichloropropene	65.8		6.0	1.2	0.80
110-82-7	Cyclohexane	1.9	U	6.0	1.9	0.48
79-01-6	Trichloroethene	60.0		6.0	0.96	0.28
79-20-9	Methyl acetate	34.2		10	4.8	3.3
75-69-4	Trichlorofluoromethane	58.4		12	2.4	1.2
108-87-2	Methylcyclohexane	0.96	U	6.0	0.96	0.50
75-01-4	Vinyl chloride	43.7		6.0	2.4	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA MS Lab Sample ID: 280-27123-6 MS

Matrix: Solid Lab File ID: G5657.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 12:00

Sample wt/vol: 5.024(g) Date Analyzed: 04/04/2012 17:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 16.8 Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		61-129
460-00-4	4-Bromofluorobenzene (Surr)	95		85-120
1868-53-7	Dibromofluoromethane (Surr)	94		71-126
2037-26-5	Toluene-d8 (Surr)	93		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5657.D
Lab Smp Id: 280-27123-b-6-b ms
Inj Date : 04-APR-2012 17:19
Operator : HUBBSL Inst ID: G.i
Smp Info : 280-27123-b-6-b ms,5.024,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 05-Apr-2012 05:53 reinhardtj Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.024	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 59	Fluorobenzene	96	8.181	8.170	(1.000)	3046390	50.0000	
* 85	Chlorobenzene-d5	119	10.844	10.833	(1.000)	720546	50.0000	
* 110	1,4-Dichlorobenzene-d4	152	12.906	12.895	(1.000)	1003435	50.0000	
$ 49	Dibromofluoromethane (Surr)	111	7.599	7.588	(0.929)	912638	47.0503	46.8255
$ 55	1,2-Dichloroethane-d4	65	7.905	7.894	(0.966)	823636	50.4485	50.2075
$ 73	Toluene-d8	98	9.542	9.531	(0.880)	2390747	46.5792	46.3567
$ 96	4-Bromofluorobenzene (Surr)	95	11.821	11.810	(0.916)	954227	47.6907	47.4629
M 3	1,2-Dichloroethene (total)	96				1730467	103.601	103.106
M 4	Xylene (total)	106				3578677	146.734	146.033
M 1	1,3-Dichloropropene (total)	100				2303022	107.023	106.512
M 2	Trihalomethanes (total)	100				4059845	217.451	216.412
5	dichlorodifluoromethane	85	4.236	4.215	(0.518)	633403	38.9598	38.7736
6	1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
7	Chloromethane	50	4.472	4.462	(0.547)	749259	43.7854	43.5762
8	Vinyl Chloride	62	4.630	4.609	(0.566)	605422	36.5435	36.3689
9	Ethylene Oxide	44	Compound Not Detected.					
10	Bromomethane	94	5.015	5.004	(0.613)	539357	44.8317	44.6176
11	Chloroethane	64	5.084	5.073	(0.621)	392669	44.1449	43.9340
13	Trichlorofluoromethane	101	5.370	5.359	(0.656)	968583	48.7953	48.5622
14	Ethanol	45	Compound Not Detected.					
15	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
16	Ethyl Ether	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Trichlorotrifluoroethane	151	Compound Not Detected.					
20 Acetone	43	5.774	5.764	(0.706)	692346	109.124	108.603
22 1,1-Dichloroethene	96	5.853	5.833	(0.715)	883288	48.7432	48.5104
21 2-Propanol	45	Compound Not Detected.					
23 Iodomethane	142	6.031	6.020	(0.737)	1379804	57.0654	56.7928
25 Methyl Acetate	43	6.031	6.020	(0.737)	389220	28.5587	28.4222
24 Acetonitrile	41	Compound Not Detected.					
26 Allyl Chloride	41	6.129	6.109	(0.749)	495859	24.9067	24.7877(Q)
27 Carbon Disulfide	76	6.149	6.128	(0.752)	2359823	40.6578	40.4635
28 tert-Butyl alcohol	59	6.129	6.119	(0.749)	1900114	968.125	963.501
29 Methylene Chloride	84	6.208	6.198	(0.759)	1017602	55.1768	54.9132
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	6.376	6.365	(0.779)	2106166	52.2701	52.0204
32 trans-1,2-Dichloroethene	96	6.455	6.444	(0.789)	825244	50.9374	50.6941
33 Hexane	57	6.623	6.612	(0.611)	912796	43.5005	43.2927(Q)
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	6.790	6.779	(0.830)	1411814	54.0386	53.7805
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
40 2-Butanone	43	7.165	7.154	(0.876)	4517002	496.613	494.241
41 cis-1,2-Dichloroethene	96	7.244	7.233	(0.885)	905223	52.6640	52.4124
42 2-Butanol	45	7.205	7.194	(0.881)	1752073		(a)
43 Propionitrile	54	Compound Not Detected.					
44 2,2-Dichloropropane	77	7.274	7.263	(0.889)	639067	52.1035	51.8546
45 Methacrylonitrile	41	Compound Not Detected.					
46 Bromochloromethane	128	7.451	7.450	(0.911)	510118	56.1830	55.9146
47 Chloroform	83	7.471	7.450	(0.913)	1463718	56.2994	56.0304
48 Tetrahydrofuran	42	Compound Not Detected.					
51 1,1,1-Trichloroethane	97	7.698	7.687	(0.941)	660478	50.1322	49.8927
50 Isobutanol	41	Compound Not Detected.					
52 Cyclohexane	56	Compound Not Detected.					
53 1,1-Dichloropropene	75	7.806	7.795	(0.954)	920669	47.5149	47.2879
54 Carbon Tetrachloride	117	7.856	7.845	(0.960)	829060	52.7364	52.4845
57 TAME	73	Compound Not Detected.					
56 1,2-Dichloroethane	62	7.974	7.953	(0.975)	1107942	65.3421	65.0299
58 Benzene	78	8.003	7.993	(0.978)	2773349	52.2882	52.0384
60 n-Butanol	56	Compound Not Detected.					
61 Trichloroethene	95	8.497	8.486	(1.039)	745104	50.1842	49.9445
63 Methyl Methacrylate	100	Compound Not Detected.					
64 Methyl Cyclohexane	83	Compound Not Detected.					
65 1,2-Dichloropropane	63	8.694	8.683	(1.063)	740736	52.5108	52.2600
66 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	8.812	8.802	(1.077)	584005	53.4948	53.2393
68 Bromodichloromethane	83	8.891	8.880	(1.087)	1095025	56.3942	56.1248
69 2-Chloroethyl vinyl ether	63	9.049	9.038	(1.106)	213973	28.0185	27.8847(a)
70 2-nitropropane	41	Compound Not Detected.					
71 cis-1,3-Dichloropropene	75	9.256	9.245	(1.131)	1187357	52.0197	51.7712
72 4-Methyl-2-pentanone	43	9.325	9.314	(1.140)	3348794	205.342	204.361
74 Toluene	91	9.601	9.591	(1.174)	2748514	51.1404	50.8961
75 Ethyl methacrylate	69	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
76	trans-1,3-Dichloropropene	75	9.710	9.699	(1.187)	1115665	55.0033	54.7405
77	1,1,2-Trichloroethane	97	9.907	9.896	(1.211)	669645	54.4870	54.2267
78	2-Hexanone	43	10.055	10.044	(0.927)	2159989	168.023	167.221
79	1,3-Dichloropropane	76	10.085	10.074	(0.930)	1103653	49.2368	49.0016
80	Tetrachloroethene	164	10.124	10.123	(0.934)	554287	49.2180	48.9829
81	Dibromochloromethane	129	10.321	10.311	(0.952)	912573	52.0806	51.8318
83	1,2-Dibromoethane	107	10.469	10.459	(0.965)	763341	47.3512	47.1250
84	1-Chlorohexane	91	10.746	10.735	(0.991)	897998	39.4885	39.2998
86	Chlorobenzene	112	10.864	10.863	(1.002)	1981700	51.3202	51.0750
87	1,1,1,2-Tetrachloroethane	131	10.903	10.902	(1.005)	774649	54.6856	54.4243
88	Ethylbenzene	106	10.913	10.902	(1.006)	954940	49.4708	49.2345
89	m and p-Xylene	106	11.002	10.991	(1.015)	2404109	97.9780	97.5099
90	o-Xylene	106	11.357	11.346	(1.047)	1174568	48.7561	48.5231
91	Styrene	104	11.357	11.346	(1.047)	1882457	47.2948	47.0689
92	Bromoform	173	11.574	11.563	(1.067)	588529	52.6766	52.4250
93	isopropyl benzene	105	11.653	11.642	(0.903)	3061512	50.0772	49.8380
94	cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
95	Cyclohexanone	55	11.781	11.780	(1.086)	634882	687.513	684.229
97	1,1,2,2-Tetrachloroethane	83	11.870	11.859	(0.920)	893158	46.1812	45.9606
98	t-1,4-Dichloro-2-butene	53	11.909	11.909	(0.923)	1135291	267.071	265.795(AQ)
99	1,2,3-Trichloropropane	110	11.949	11.948	(0.926)	268010	50.1224	49.8830(Q)
100	Bromobenzene	156	12.008	11.997	(0.930)	851177	51.9812	51.7329
101	n-Propylbenzene	120	12.018	12.007	(0.931)	768979	48.5067	48.2750
102	1,3,5-Trimethylbenzene	105	12.146	12.135	(0.941)	2483193	50.6797	50.4376
103	2-Chlorotoluene	126	12.146	12.135	(0.941)	770282	51.0396	50.7958
104	4-Chlorotoluene	126	12.235	12.224	(0.948)	757887	50.1071	49.8677
105	tert-Butylbenzene	119	12.472	12.471	(0.966)	2347254	49.9491	49.7105
106	1,2,4-Trimethylbenzene	105	12.511	12.500	(0.969)	2463033	49.1872	48.9523
107	sec-Butylbenzene	105	12.679	12.668	(0.982)	3231987	48.1502	47.9202
108	4-Isopropyltoluene	119	12.787	12.777	(0.991)	2412935	46.6406	46.4178
109	1,3-Dichlorobenzene	146	12.847	12.846	(0.995)	1388733	48.1064	47.8766
111	1,4-dichlorobenzene	146	12.925	12.915	(1.002)	1401384	47.3703	47.1440
112	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
113	n-Butylbenzene	91	13.192	13.181	(1.022)	2265835	43.8890	43.6794
114	1,2-Dichlorobenzene	146	13.320	13.319	(1.032)	1265964	46.9960	46.7715
115	1,2-Dibromo-3-chloropropane	157	14.139	14.128	(1.096)	134647	38.4976	38.3137
116	1,2,4-Trichlorobenzene	180	15.174	15.164	(1.176)	498547	32.4377	32.2827
117	Hexachlorobutadiene	225	15.352	15.341	(1.190)	287233	33.1826	33.0240
118	Naphthalene	128	15.559	15.548	(1.206)	920377	26.1362	26.0113
119	1,2,3-Trichlorobenzene	180	15.904	15.893	(1.232)	328611	26.0138	25.8895

QC Flag Legend

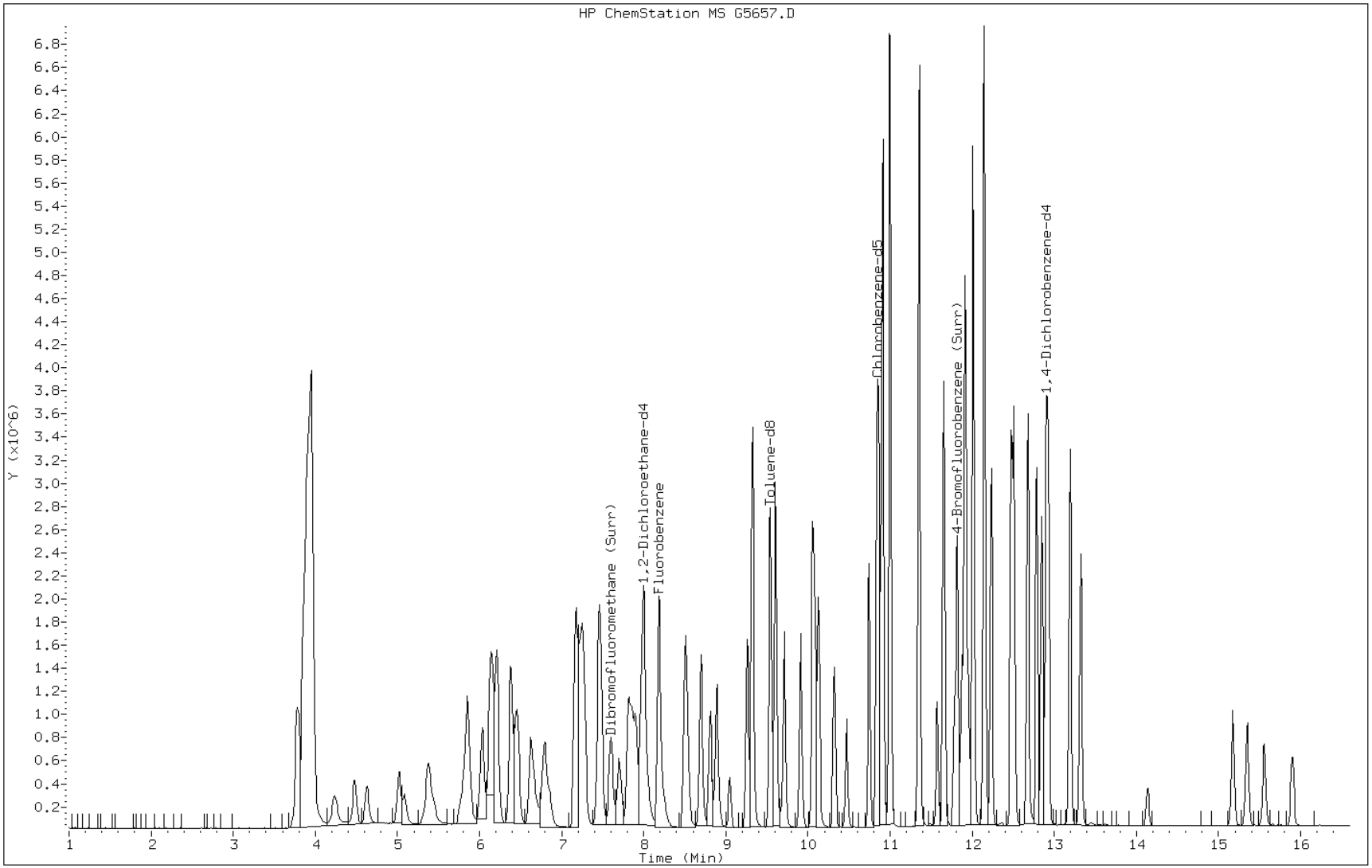
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: G5657.D

Date: 04-APR-2012 17:19

Client ID: Instrument: G.i

Sample Info: 280-27123-b-6-b ms,5.024, Operator: HUBBSL



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA MSD | Lab Sample ID: 280-27123-4 MSD

Matrix: Solid | Lab File ID: G2_5393.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 11:20

Sample wt/vol: 5.048(g) | Date Analyzed: 04/06/2012 11:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 32.4 | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	71.6		7.3	1.5	0.82
71-55-6	1,1,1-Trichloroethane	57.5		7.3	1.5	0.76
75-34-3	1,1-Dichloroethane	61.1		7.3	1.2	0.31
87-61-6	1,2,3-Trichlorobenzene	19.0	J	7.3	1.5	1.1
96-18-4	1,2,3-Trichloropropane	90.0		7.3	1.5	1.2
120-82-1	1,2,4-Trichlorobenzene	23.7	J	7.3	1.5	1.1
563-58-6	1,1-Dichloropropene	54.0		7.3	1.5	0.79
75-35-4	1,1-Dichloroethene	59.9		7.3	1.5	0.86
96-12-8	1,2-Dibromo-3-Chloropropane	50.3		15	1.5	0.88
79-00-5	1,1,2-Trichloroethane	54.1		7.3	1.5	1.3
79-34-5	1,1,2,2-Tetrachloroethane	78.8		7.3	1.5	0.89
95-63-6	1,2,4-Trimethylbenzene	66.2		7.3	1.5	0.85
95-50-1	1,2-Dichlorobenzene	47.4	J	7.3	1.5	0.66
107-06-2	1,2-Dichloroethane	65.3		7.3	1.5	1.0
541-73-1	1,3-Dichlorobenzene	53.6		7.3	1.5	0.70
142-28-9	1,3-Dichloropropane	77.2		7.3	1.5	0.75
108-67-8	1,3,5-Trimethylbenzene	70.0		7.3	1.5	0.83
106-46-7	1,4-Dichlorobenzene	52.4		7.3	1.5	1.1
78-87-5	1,2-Dichloropropane	57.7		7.3	1.5	0.81
594-20-7	2,2-Dichloropropane	55.6		7.3	1.5	0.64
78-93-3	2-Butanone (MEK)	913	J	29	9.4	2.7
591-78-6	2-Hexanone	267		29	15	7.2
99-87-6	4-Isopropyltoluene	59.6		7.3	1.5	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	245		29	15	6.4
67-64-1	Acetone	178		29	15	7.9
71-43-2	Benzene	56.5		7.3	1.5	0.69
108-86-1	Bromobenzene	72.5		7.3	1.5	0.72
75-25-2	Bromoform	53.1		7.3	1.2	0.34
95-49-8	2-Chlorotoluene	70.3		7.3	1.5	0.75
74-83-9	Bromomethane	69.1		15	1.5	0.73
106-43-4	4-Chlorotoluene	67.9		7.3	1.5	1.1
75-15-0	Carbon disulfide	46.4		7.3	1.5	0.62
56-23-5	Carbon tetrachloride	57.1		7.3	1.5	0.92
108-90-7	Chlorobenzene	62.3		7.3	1.5	0.79
74-97-5	Chlorobromomethane	64.1		7.3	1.5	0.44
124-48-1	Chlorodibromomethane	74.9		7.3	1.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA MSD | Lab Sample ID: 280-27123-4 MSD

Matrix: Solid | Lab File ID: G2_5393.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 11:20

Sample wt/vol: 5.048(g) | Date Analyzed: 04/06/2012 11:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 32.4 | Level: (low/med) Low

Analysis Batch No.: 114709 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-00-3	Chloroethane	69.1		15	1.5	1.3
67-66-3	Chloroform	62.8		15	1.5	0.42
74-87-3	Chloromethane	75.6		15	1.5	1.1
156-59-2	cis-1,2-Dichloroethene	60.2		7.3	1.5	0.82
10061-01-5	cis-1,3-Dichloropropene	47.7	J	7.3	2.9	1.9
74-95-3	Dibromomethane	58.8		7.3	1.5	1.2
75-27-4	Dichlorobromomethane	60.3		7.3	1.2	0.32
75-71-8	Dichlorodifluoromethane	52.3		15	1.5	0.76
100-41-4	Ethylbenzene	64.3		7.3	1.5	0.98
106-93-4	Ethylene Dibromide	72.3		7.3	1.5	0.76
87-68-3	Hexachlorobutadiene	35.2	J	7.3	1.5	0.81
98-82-8	Isopropylbenzene	84.5		7.3	1.5	0.86
1634-04-4	Methyl tert-butyl ether	60.0		29	1.5	0.50
75-09-2	Methylene Chloride	64.6		7.3	4.7	2.3
179601-23-1	m-Xylene & p-Xylene	121		4.7	2.9	1.5
91-20-3	Naphthalene	19.0	J	7.3	1.5	0.92
104-51-8	n-Butylbenzene	51.4		7.3	1.5	0.82
103-65-1	N-Propylbenzene	73.9		7.3	1.5	0.85
95-47-6	o-Xylene	59.7		7.3	1.5	0.89
135-98-8	sec-Butylbenzene	63.4		7.3	1.5	1.1
100-42-5	Styrene	50.7	J	7.3	1.5	0.92
98-06-6	tert-Butylbenzene	71.6		7.3	1.5	0.73
127-18-4	Tetrachloroethene	68.0		7.3	1.5	0.86
108-88-3	Toluene	51.0		7.3	1.5	1.0
123-91-1	1,4-Dioxane	120	U	730	120	82
76-13-1	1,1,2-Trichloro-1,2,2-triflu oroethane	29	U	29	29	0.66
156-60-5	trans-1,2-Dichloroethene	59.4		7.3	1.5	0.57
544-10-5	1-Chlorohexane	51.2		7.3	1.2	0.92
10061-02-6	trans-1,3-Dichloropropene	47.6		7.3	1.5	0.98
110-82-7	Cyclohexane	2.3	U	7.3	2.3	0.59
79-01-6	Trichloroethene	56.0		7.3	1.2	0.34
79-20-9	Methyl acetate	33.4		12	5.9	4.0
75-69-4	Trichlorofluoromethane	68.6		15	2.9	1.5
108-87-2	Methylcyclohexane	1.2	U	7.3	1.2	0.62
75-01-4	Vinyl chloride	69.5		7.3	2.9	2.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA MSD Lab Sample ID: 280-27123-4 MSD

Matrix: Solid Lab File ID: G2_5393.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 11:20

Sample wt/vol: 5.048(g) Date Analyzed: 04/06/2012 11:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: 32.4 Level: (low/med) Low

Analysis Batch No.: 114709 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		61-129
460-00-4	4-Bromofluorobenzene (Surr)	117		85-120
1868-53-7	Dibromofluoromethane (Surr)	85		71-126
2037-26-5	Toluene-d8 (Surr)	114		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\G2_5393.D
Lab Smp Id: 280-27123-b-4-d msd
Inj Date : 06-APR-2012 11:58
Operator : REINHARDT Inst ID: GCMS2.i
Smp Info : 280-27123-b-4-d msd,5.048,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\GCMS2.i\040612.b\8260B-soil.m
Meth Date : 06-Apr-2012 11:58 hubbsl Quant Type: ISTD
Cal Date : 24-MAR-2012 03:16 Cal File: G2_4886.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC252

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.048	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 61	Fluorobenzene	96	7.745	7.745	(1.000)	1837286	50.0000	
* 87	Chlorobenzene-d5	119	10.004	10.012	(1.000)	324765	50.0000	
* 112	1,4-Dichlorobenzene-d4	152	11.856	11.856	(1.000)	342929	50.0000	
$ 51	Dibromofluoromethane (Surr)	111	7.187	7.187	(0.928)	521697	46.7282	46.2838
$ 57	1,2-Dichloroethane-d4	65	7.480	7.480	(0.966)	564976	43.9525	43.5345
$ 75	Toluene-d8	98	8.925	8.925	(0.892)	1871747	62.5349	61.9403
$ 98	4-Bromofluorobenzene (Surr)	95	10.884	10.884	(0.918)	448753	64.5139	63.9005
M 1	1,2-Dichloroethene (total)	96				999568	81.6555	80.8791
M 2	Xylene (total)	106				1881354	123.083	121.913
6	dichlorodifluoromethane	85	4.031	4.032	(0.521)	503326	35.7161	35.3765
7	1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
8	Chloromethane	50	4.241	4.241	(0.548)	628895	51.6090	51.1182
9	Vinyl Chloride	62	4.394	4.395	(0.567)	681816	47.4666	47.0153
11	Ethylene Oxide	44	Compound Not Detected.					
12	Bromomethane	94	4.758	4.758	(0.614)	454880	47.2124	46.7634
13	Chloroethane	64	4.827	4.828	(0.623)	442732	47.2095	46.7606
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	5.093	5.107	(0.658)	841458	46.8335	46.3882
18	Ethyl Ether	59	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					
24	1,1-Dichloroethene	96	5.526	5.526	(0.713)	453972	40.8889	40.5001
22	2-Propanol	45	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
21 Acetone	43	5.484	5.484	(0.708)	449942	121.738	120.580
25 Iodomethane	142	5.707	5.707	(0.737)	644919	38.9351	38.5649
29 Carbon Disulfide	76	5.805	5.805	(0.750)	1477631	31.6889	31.3876(Q)
26 Acetonitrile	41	Compound Not Detected.					
28 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	5.721	5.721	(0.739)	228887	22.8255	22.6085
31 Methylene Chloride	84	5.875	5.875	(0.759)	560318	44.1162	43.6967
30 tert-Butyl alcohol	59	5.833	5.833	(0.753)	1262395	954.096	945.024(Q)
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	6.065	6.072	(0.783)	1574038	40.9413	40.5520
34 trans-1,2-Dichloroethene	96	6.100	6.108	(0.788)	483889	40.5534	40.1678
35 Hexane	57	6.279	6.279	(0.811)	526729	26.4519	26.2003
38 1,1-Dichloroethane	63	6.422	6.422	(0.829)	884178	41.7202	41.3234
36 Vinyl acetate	43	6.279	6.351	(0.811)	340635	14.3335	14.1972(Q)
37 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 2-Butanone	43	6.794	6.794	(0.877)	3208788	623.361	617.434
43 2-Butanol	45	6.837	6.837	(0.883)	847852	550.097	544.866
45 cis-1,2-Dichloroethene	96	6.851	6.858	(0.885)	515679	41.1021	40.7113
46 2,2-Dichloropropane	77	6.887	6.894	(0.889)	695758	37.9717	37.6106
41 Ethyl Acetate	43	Compound Not Detected.					
44 Propionitrile	54	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	7.051	7.052	(0.910)	245383	43.7322	43.3164
50 Tetrahydrofuran	42	Compound Not Detected.					
49 Chloroform	83	7.058	7.059	(0.911)	808687	42.8635	42.4559
53 1,1,1-Trichloroethane	97	7.287	7.295	(0.941)	679630	39.2599	38.8866
54 Cyclohexane	56	Compound Not Detected.					
55 1,1-Dichloropropene	75	7.387	7.395	(0.954)	604772	36.8607	36.5102
56 Carbon Tetrachloride	117	7.437	7.438	(0.960)	510391	39.0058	38.6349
52 Isobutanol	41	Compound Not Detected.					
60 Benzene	78	7.573	7.573	(0.978)	1765395	38.5788	38.2120
58 1,2-Dichloroethane	62	7.538	7.538	(0.973)	592379	44.5913	44.1673
59 TAME	73	Compound Not Detected.					
62 n-Butanol	56	Compound Not Detected.					
63 Trichloroethene	95	8.031	8.038	(1.037)	428754	38.2499	37.8862
64 2-Pentanone	43	8.052	8.052	(1.040)	556907	60.0999	59.5284
67 Methyl Cyclohexane	83	Compound Not Detected.					
66 1,2-Dichloropropane	63	8.210	8.210	(1.060)	444259	39.3924	39.0178
65 Methyl Methacrylate	100	Compound Not Detected.					
69 Dibromomethane	93	8.310	8.310	(1.073)	236516	40.1417	39.7600
68 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	8.374	8.381	(1.081)	489063	41.1634	40.7720
71 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	8.510	8.510	(1.099)	143467	22.0933	21.8832(a)
73 cis-1,3-Dichloropropene	75	8.696	8.696	(1.123)	509507	32.5994	32.2894
74 4-Methyl-2-pentanone	43	8.746	8.746	(1.129)	1806498	167.343	165.752
76 Toluene	91	8.982	8.982	(1.160)	1626030	34.8463	34.5149
78 trans-1,3-Dichloropropene	75	9.068	9.068	(1.171)	431661	32.4746	32.1658
77 Ethyl methacrylate	69	Compound Not Detected.					
80 1,1,2-Trichloroethane	97	9.225	9.225	(1.191)	291844	36.9076	36.5566
83 Tetrachloroethene	164	9.404	9.404	(0.940)	279918	46.4097	45.9684

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
82 1,3-Dichloropropane	76	9.361	9.361	(0.936)	529474	52.6803	52.1794
81 2-Hexanone	43	9.332	9.332	(0.933)	939267	182.193	180.460
84 Dibromochloromethane	129	9.561	9.561	(0.956)	271631	51.1505	50.6641
85 1,2-Dibromoethane	107	9.683	9.683	(0.968)	271845	49.3311	48.8620
86 1-Chlorohexane	91	9.919	9.919	(0.991)	398907	34.9548	34.6224
88 Chlorobenzene	112	10.033	10.033	(1.003)	885766	42.5271	42.1227
89 1,1,1,2-Tetrachloroethane	131	10.069	10.069	(1.006)	327820	48.8854	48.4205
90 Ethylbenzene	106	10.069	10.069	(1.006)	529864	43.8962	43.4788
91 m and p-Xylene	106	10.147	10.148	(1.014)	1252238	82.3113	81.5287
92 o-Xylene	106	10.469	10.469	(1.046)	629116	40.7721	40.3844
93 Styrene	104	10.462	10.462	(1.046)	801307	34.5835	34.2546
94 Bromoform	173	10.662	10.662	(1.066)	115073	36.2506	35.9059
95 isopropyl benzene	105	10.734	10.734	(0.905)	1529741	57.6823	57.1338
96 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	10.848	10.848	(1.084)	371721	991.817	982.386
99 1,1,2,2-Tetrachloroethane	83	10.927	10.927	(0.922)	293195	53.8019	53.2903
102 Bromobenzene	156	11.055	11.056	(0.932)	276321	49.4923	49.0217
101 1,2,3-Trichloropropane	110	10.998	10.998	(0.928)	93477	61.4605	60.8761
100 t-1,4-Dichloro-2-butene	53	10.955	10.963	(0.924)	371202	219.515	217.427(A)
103 n-Propylbenzene	120	11.055	11.056	(0.932)	373633	50.4331	49.9536
105 2-Chlorotoluene	126	11.177	11.177	(0.943)	296421	47.9956	47.5392
104 1,3,5-Trimethylbenzene	105	11.163	11.163	(0.942)	1032634	47.7660	47.3118
106 4-Chlorotoluene	126	11.256	11.256	(0.949)	275513	46.3841	45.9430
107 tert-Butylbenzene	119	11.463	11.463	(0.967)	1017445	48.8746	48.4099
108 1,2,4-Trimethylbenzene	105	11.492	11.492	(0.969)	994822	45.1798	44.7502
109 sec-Butylbenzene	105	11.649	11.649	(0.983)	1245671	43.2927	42.8811
111 1,3-Dichlorobenzene	146	11.813	11.814	(0.996)	410989	36.5781	36.2303
110 4-Isopropyltoluene	119	11.742	11.742	(0.990)	984425	40.6909	40.3040
113 1,4-dichlorobenzene	146	11.878	11.878	(1.002)	404842	35.7537	35.4137
114 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
115 n-Butylbenzene	91	12.114	12.107	(1.022)	830853	35.0757	34.7422
116 1,2-Dichlorobenzene	146	12.242	12.243	(1.033)	351535	32.3424	32.0349
117 1,2-Dibromo-3-chloropropane	157	12.993	12.993	(1.096)	38125	34.3706	34.0438
118 1,2,4-Trichlorobenzene	180	13.966	13.966	(1.178)	132051	16.1725	16.0187
119 Hexachlorobutadiene	225	14.130	14.130	(1.192)	86739	24.0265	23.7980
120 Naphthalene	128	14.337	14.338	(1.209)	274739	12.9580	12.8348
121 1,2,3-Trichlorobenzene	180	14.659	14.667	(1.236)	98443	12.9467	12.8236

QC Flag Legend

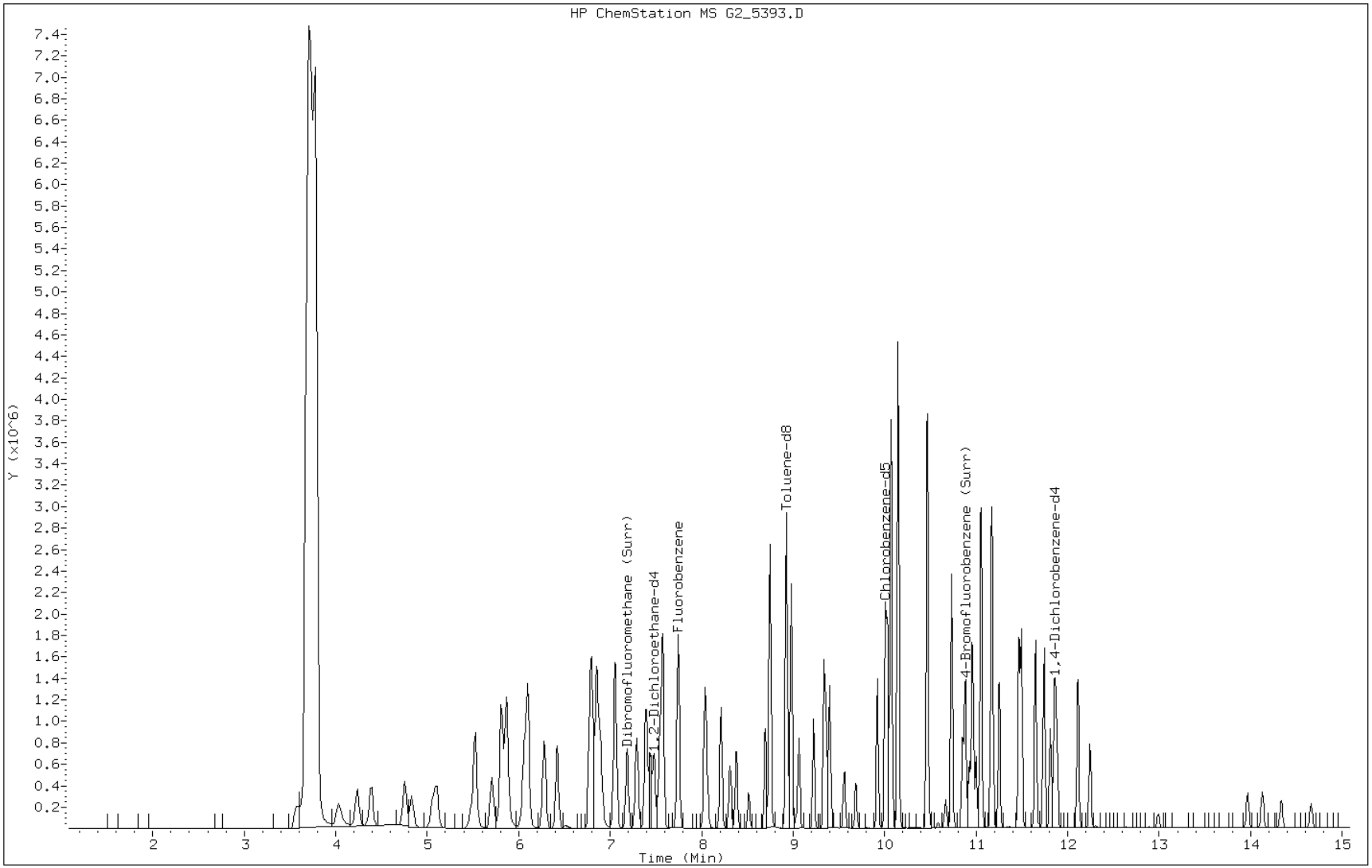
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: G2_5393.D

Date: 06-APR-2012 11:58

Client ID: Instrument: GCMS2.i

Sample Info: 280-27123-b-4-d msd,5.048, Operator: REINHARDT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA MSD | Lab Sample ID: 280-27123-6 MSD

Matrix: Solid | Lab File ID: G5658.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:00

Sample wt/vol: 5.765(g) | Date Analyzed: 04/04/2012 17:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 16.8 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	54.0		5.2	1.0	0.58
71-55-6	1,1,1-Trichloroethane	50.0		5.2	1.0	0.54
75-34-3	1,1-Dichloroethane	54.6		5.2	0.83	0.22
87-61-6	1,2,3-Trichlorobenzene	27.5	J	5.2	1.0	0.78
96-18-4	1,2,3-Trichloropropane	47.0		5.2	1.0	0.84
120-82-1	1,2,4-Trichlorobenzene	32.6	J	5.2	1.0	0.76
563-58-6	1,1-Dichloropropene	46.3		5.2	1.0	0.56
75-35-4	1,1-Dichloroethene	47.3		5.2	1.0	0.62
96-12-8	1,2-Dibromo-3-Chloropropane	38.8		10	1.0	0.63
79-00-5	1,1,2-Trichloroethane	52.9		5.2	1.0	0.92
79-34-5	1,1,2,2-Tetrachloroethane	46.3		5.2	1.0	0.64
95-63-6	1,2,4-Trimethylbenzene	48.8		5.2	1.0	0.60
95-50-1	1,2-Dichlorobenzene	47.6		5.2	1.0	0.47
107-06-2	1,2-Dichloroethane	63.4		5.2	1.0	0.73
541-73-1	1,3-Dichlorobenzene	49.7		5.2	1.0	0.50
142-28-9	1,3-Dichloropropane	48.9		5.2	1.0	0.53
108-67-8	1,3,5-Trimethylbenzene	49.9		5.2	1.0	0.59
106-46-7	1,4-Dichlorobenzene	48.7		5.2	1.0	0.81
78-87-5	1,2-Dichloropropane	46.5	M	5.2	1.0	0.57
594-20-7	2,2-Dichloropropane	52.6		5.2	1.0	0.46
78-93-3	2-Butanone (MEK)	444	J	21	6.7	1.9
591-78-6	2-Hexanone	156		21	10	5.1
99-87-6	4-Isopropyltoluene	45.3		5.2	1.0	0.51
108-10-1	4-Methyl-2-pentanone (MIBK)	192		21	10	4.5
67-64-1	Acetone	103		21	10	5.6
71-43-2	Benzene	51.6		5.2	1.0	0.49
108-86-1	Bromobenzene	51.6		5.2	1.0	0.51
75-25-2	Bromoform	51.9		5.2	0.83	0.24
95-49-8	2-Chlorotoluene	50.3		5.2	1.0	0.53
74-83-9	Bromomethane	44.3		10	1.0	0.52
106-43-4	4-Chlorotoluene	50.4		5.2	1.0	0.81
75-15-0	Carbon disulfide	42.8		5.2	1.0	0.44
56-23-5	Carbon tetrachloride	51.8		5.2	1.0	0.66
108-90-7	Chlorobenzene	51.2		5.2	1.0	0.56
74-97-5	Chlorobromomethane	54.0		5.2	1.0	0.31
124-48-1	Chlorodibromomethane	51.2		5.2	1.0	0.59

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA MSD | Lab Sample ID: 280-27123-6 MSD

Matrix: Solid | Lab File ID: G5658.D

Analysis Method: 8260B/DoD | Date Collected: 03/27/2012 12:00

Sample wt/vol: 5.765(g) | Date Analyzed: 04/04/2012 17:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 16.8 | Level: (low/med) Low

Analysis Batch No.: 114253 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
75-00-3	Chloroethane	44.7		10	1.0	0.93
67-66-3	Chloroform	54.4		10	1.0	0.30
74-87-3	Chloromethane	45.7		10	1.0	0.80
156-59-2	cis-1,2-Dichloroethene	52.8		5.2	1.0	0.58
10061-01-5	cis-1,3-Dichloropropene	50.2		5.2	2.1	1.3
74-95-3	Dibromomethane	51.6		5.2	1.0	0.88
75-27-4	Dichlorobromomethane	55.4		5.2	0.83	0.23
75-71-8	Dichlorodifluoromethane	39.1		10	1.0	0.54
100-41-4	Ethylbenzene	49.5		5.2	1.0	0.70
106-93-4	Ethylene Dibromide	46.8		5.2	1.0	0.54
87-68-3	Hexachlorobutadiene	32.5		5.2	1.0	0.57
98-82-8	Isopropylbenzene	50.1		5.2	1.0	0.62
1634-04-4	Methyl tert-butyl ether	50.4		21	1.0	0.35
75-09-2	Methylene Chloride	54.3		5.2	3.3	1.7
179601-23-1	m-Xylene & p-Xylene	95.0		3.3	2.1	1.1
91-20-3	Naphthalene	26.9		5.2	1.0	0.66
104-51-8	n-Butylbenzene	44.0		5.2	1.0	0.58
103-65-1	N-Propylbenzene	48.6		5.2	1.0	0.60
95-47-6	o-Xylene	51.2		5.2	1.0	0.64
135-98-8	sec-Butylbenzene	47.2		5.2	1.0	0.80
100-42-5	Styrene	50.2		5.2	1.0	0.66
98-06-6	tert-Butylbenzene	50.5		5.2	1.0	0.52
127-18-4	Tetrachloroethene	49.7		5.2	1.0	0.62
108-88-3	Toluene	50.8		5.2	1.0	0.72
123-91-1	1,4-Dioxane	83	U	520	83	58
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21	U	21	21	0.47
156-60-5	trans-1,2-Dichloroethene	50.8		5.2	1.0	0.41
544-10-5	1-Chlorohexane	39.1		5.2	0.83	0.66
10061-02-6	trans-1,3-Dichloropropene	53.2		5.2	1.0	0.70
110-82-7	Cyclohexane	1.7	U	5.2	1.7	0.42
79-01-6	Trichloroethene	50.4		5.2	0.83	0.24
79-20-9	Methyl acetate	28.1		8.9	4.2	2.9
75-69-4	Trichlorofluoromethane	47.8		10	2.1	1.1
108-87-2	Methylcyclohexane	0.83	U	5.2	0.83	0.44
75-01-4	Vinyl chloride	37.8		5.2	2.1	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA MSD Lab Sample ID: 280-27123-6 MSD

Matrix: Solid Lab File ID: G5658.D

Analysis Method: 8260B/DoD Date Collected: 03/27/2012 12:00

Sample wt/vol: 5.765(g) Date Analyzed: 04/04/2012 17:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.32) ID: 0.32(mm)

% Moisture: 16.8 Level: (low/med) Low

Analysis Batch No.: 114253 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		61-129
460-00-4	4-Bromofluorobenzene (Surr)	96		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		71-126
2037-26-5	Toluene-d8 (Surr)	93		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\G.i\040412.B\G5658.D
Lab Smp Id: 280-27123-b-6-c msd
Inj Date : 04-APR-2012 17:40
Operator : HUBBSL Inst ID: G.i
Smp Info : 280-27123-b-6-c msd,5.765,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\G.i\040412.B\8260B-soil.m
Meth Date : 05-Apr-2012 05:53 reinhardtj Quant Type: ISTD
Cal Date : 04-APR-2012 10:08 Cal File: G5639.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC368

Concentration Formula: Amt * DF * Vp/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	5.000	Purge Volume (mL)
Ws	5.765	Weight of sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 59	Fluorobenzene	96	8.186	8.170	(1.000)	3177651	50.0000	
* 85	Chlorobenzene-d5	119	10.839	10.833	(1.000)	741948	50.0000	
* 110	1,4-Dichlorobenzene-d4	152	12.901	12.895	(1.000)	1033535	50.0000	
$ 49	Dibromofluoromethane (Surr)	111	7.594	7.588	(0.928)	924157	45.6761	39.6150
$ 55	1,2-Dichloroethane-d4	65	7.910	7.894	(0.966)	814884	47.8507	41.5010
$ 73	Toluene-d8	98	9.537	9.531	(0.880)	2446013	46.2813	40.1399
$ 96	4-Bromofluorobenzene (Surr)	95	11.816	11.810	(0.916)	989569	48.0167	41.6450
M 3	1,2-Dichloroethene (total)	96				1731360	99.3665	86.1808
M 4	Xylene (total)	106				3520377	140.226	121.618
M 1	1,3-Dichloropropene (total)	100				2226952	99.2178	86.0519
M 2	Trihalomethanes (total)	100				3952583	204.328	177.214
5	dichlorodifluoromethane	85	4.230	4.215	(0.517)	635141	37.5255	32.5460
6	1,2-Dichlorotetraflouroethane	85	Compound Not Detected.					
7	Chloromethane	50	4.477	4.462	(0.547)	782805	43.8561	38.0365
8	Vinyl Chloride	62	4.625	4.609	(0.565)	625958	36.2223	31.4157
9	Ethylene Oxide	44	Compound Not Detected.					
10	Bromomethane	94	5.019	5.004	(0.613)	533270	42.4948	36.8558
11	Chloroethane	64	5.089	5.073	(0.622)	397704	42.8640	37.1761
13	Trichlorofluoromethane	101	5.375	5.359	(0.657)	950156	45.8897	39.8002
14	Ethanol	45	Compound Not Detected.					
15	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
16	Ethyl Ether	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Trichlorotrifluoroethane	151	Compound Not Detected.					
20 Acetone	43	5.779	5.764	(0.706)	654962	98.9674	85.8347
22 1,1-Dichloroethene	96	5.858	5.833	(0.716)	857510	45.3660	39.3460
23 Iodomethane	142	6.035	6.020	(0.737)	1423472	56.4396	48.9502
25 Methyl Acetate	43	6.035	6.020	(0.737)	383225	26.9573	23.3801
24 Acetonitrile	41	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
27 Carbon Disulfide	76	6.144	6.128	(0.751)	2482897	41.0112	35.5691
28 tert-Butyl alcohol	59	6.124	6.119	(0.748)	1932585	943.995	818.730
29 Methylene Chloride	84	6.213	6.198	(0.759)	1002761	52.1261	45.2091
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	6.381	6.365	(0.780)	2031754	48.3405	41.9258
32 trans-1,2-Dichloroethene	96	6.460	6.444	(0.789)	823708	48.7424	42.2744
33 Hexane	57	6.617	6.612	(0.611)	994872	46.0444	39.9344(Q)
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	6.785	6.779	(0.829)	1426016	52.3276	45.3838
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
40 2-Butanone	43	7.170	7.154	(0.876)	4035978	425.399	368.949
41 cis-1,2-Dichloroethene	96	7.249	7.233	(0.886)	907652	50.6240	43.9063
42 2-Butanol	45	7.209	7.194	(0.881)	1958173		(a)
43 Propionitrile	54	Compound Not Detected.					
44 2,2-Dichloropropane	77	7.278	7.263	(0.889)	645270	50.4361	43.7434
45 Methacrylonitrile	41	Compound Not Detected.					
46 Bromochloromethane	128	7.456	7.450	(0.911)	490387	51.7789	44.9080
47 Chloroform	83	7.466	7.450	(0.912)	1416256	52.2237	45.2937
48 Tetrahydrofuran	42	Compound Not Detected.					
51 1,1,1-Trichloroethane	97	7.702	7.687	(0.941)	658647	47.9281	41.5682
50 Isobutanol	41	Compound Not Detected.					
52 Cyclohexane	56	Compound Not Detected.					
53 1,1-Dichloropropene	75	7.811	7.795	(0.954)	897645	44.4130	38.5195
54 Carbon Tetrachloride	117	7.860	7.845	(0.960)	811961	49.6732	43.0817
57 TAME	73	Compound Not Detected.					
56 1,2-Dichloroethane	62	7.969	7.953	(0.973)	1075180	60.7906	52.7238
58 Benzene	78	7.998	7.993	(0.977)	2738851	49.5047	42.9356
60 n-Butanol	56	Compound Not Detected.					
61 Trichloroethene	95	8.501	8.486	(1.039)	748046	48.3012	41.8917
63 Methyl Methacrylate	100	8.491	8.624	(1.037)	1348	0.29973	0.259955(aQ)
64 Methyl Cyclohexane	83	Compound Not Detected.					
65 1,2-Dichloropropane	63	8.699	8.683	(1.063)	656625	44.6254	38.7037(QMH)
66 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	8.807	8.802	(1.076)	564030	49.5310	42.9583
68 Bromodichloromethane	83	8.886	8.880	(1.086)	1076676	53.1588	46.1047
69 2-Chloroethyl vinyl ether	63	9.044	9.038	(1.105)	212011	26.6148	23.0831(a)
70 2-nitropropane	41	Compound Not Detected.					
71 cis-1,3-Dichloropropene	75	9.261	9.245	(1.131)	1147244	48.1861	41.7919
72 4-Methyl-2-pentanone	43	9.320	9.314	(1.139)	3133262	184.189	159.748
74 Toluene	91	9.606	9.591	(1.174)	2731543	48.7252	42.2594
75 Ethyl methacrylate	69	Compound Not Detected.					
76 trans-1,3-Dichloropropene	75	9.715	9.699	(1.187)	1079708	51.0317	44.2600

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
77 1,1,2-Trichloroethane	97	9.912	9.896	(1.211)	650739	50.7615	44.0256
78 2-Hexanone	43	10.050	10.044	(0.927)	1984389	149.911	130.018
79 1,3-Dichloropropane	76	10.080	10.074	(0.930)	1082819	46.9139	40.6885
80 Tetrachloroethene	164	10.129	10.123	(0.934)	552753	47.6660	41.3408
81 Dibromochloromethane	129	10.316	10.311	(0.952)	886772	49.1483	42.6265
83 1,2-Dibromoethane	107	10.474	10.459	(0.966)	744961	44.8780	38.9228
84 1-Chlorohexane	91	10.740	10.735	(0.991)	879287	37.5504	32.5675
86 Chlorobenzene	112	10.869	10.863	(1.003)	1950769	49.0619	42.5515
87 1,1,1,2-Tetrachloroethane	131	10.908	10.902	(1.006)	754939	51.7569	44.8889
88 Ethylbenzene	106	10.908	10.902	(1.006)	944491	47.5181	41.2126
89 m and p-Xylene	106	10.997	10.991	(1.015)	2302542	91.1319	79.0389
90 o-Xylene	106	11.352	11.346	(1.047)	1217835	49.0938	42.5792
91 Styrene	104	11.352	11.346	(1.047)	1974043	48.1652	41.7738
92 Bromoform	173	11.569	11.563	(1.067)	572879	49.7968	43.1889
93 isopropyl benzene	105	11.648	11.642	(0.903)	3028867	48.1004	41.7176
94 cis-1,4-Dichloro-2-butene	53	Compound Not Detected.					
95 Cyclohexanone	55	11.786	11.780	(1.087)	615871	647.688	561.742
97 1,1,2,2-Tetrachloroethane	83	11.875	11.859	(0.920)	885435	44.4486	38.5504
98 t-1,4-Dichloro-2-butene	53	11.914	11.909	(0.924)	1175200	268.408	232.791(A)
99 1,2,3-Trichloropropane	110	11.954	11.948	(0.927)	248137	45.0543	39.0758(Q)
100 Bromobenzene	156	12.003	11.997	(0.930)	834162	49.4585	42.8955
101 n-Propylbenzene	120	12.013	12.007	(0.931)	761521	46.6373	40.4486
102 1,3,5-Trimethylbenzene	105	12.141	12.135	(0.941)	2413742	47.8276	41.4810
103 2-Chlorotoluene	126	12.151	12.135	(0.942)	749331	48.2053	41.8086
104 4-Chlorotoluene	126	12.230	12.224	(0.948)	752865	48.3254	41.9128
105 tert-Butylbenzene	119	12.476	12.471	(0.967)	2344607	48.4397	42.0119
106 1,2,4-Trimethylbenzene	105	12.506	12.500	(0.969)	2411784	46.7611	40.5560
107 sec-Butylbenzene	105	12.674	12.668	(0.982)	3130146	45.2748	39.2670
108 4-Isopropyltoluene	119	12.782	12.777	(0.991)	2313769	43.4213	37.6594
109 1,3-Dichlorobenzene	146	12.851	12.846	(0.996)	1416636	47.6438	41.3216
111 1,4-dichlorobenzene	146	12.930	12.915	(1.002)	1423729	46.7241	40.5239
112 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
113 n-Butylbenzene	91	13.187	13.181	(1.022)	2246442	42.2461	36.6402
114 1,2-Dichlorobenzene	146	13.325	13.319	(1.033)	1267023	45.6655	39.6058
115 1,2-Dibromo-3-chloropropane	157	14.133	14.128	(1.096)	134035	37.2066	32.2694
116 1,2,4-Trichlorobenzene	180	15.179	15.164	(1.177)	494823	31.2577	27.1099
117 Hexachlorobutadiene	225	15.347	15.341	(1.190)	278025	31.1834	27.0454
118 Naphthalene	128	15.554	15.548	(1.206)	937027	25.8341	22.4060
119 1,2,3-Trichlorobenzene	180	15.899	15.893	(1.232)	343354	26.3893	22.8875

QC Flag Legend

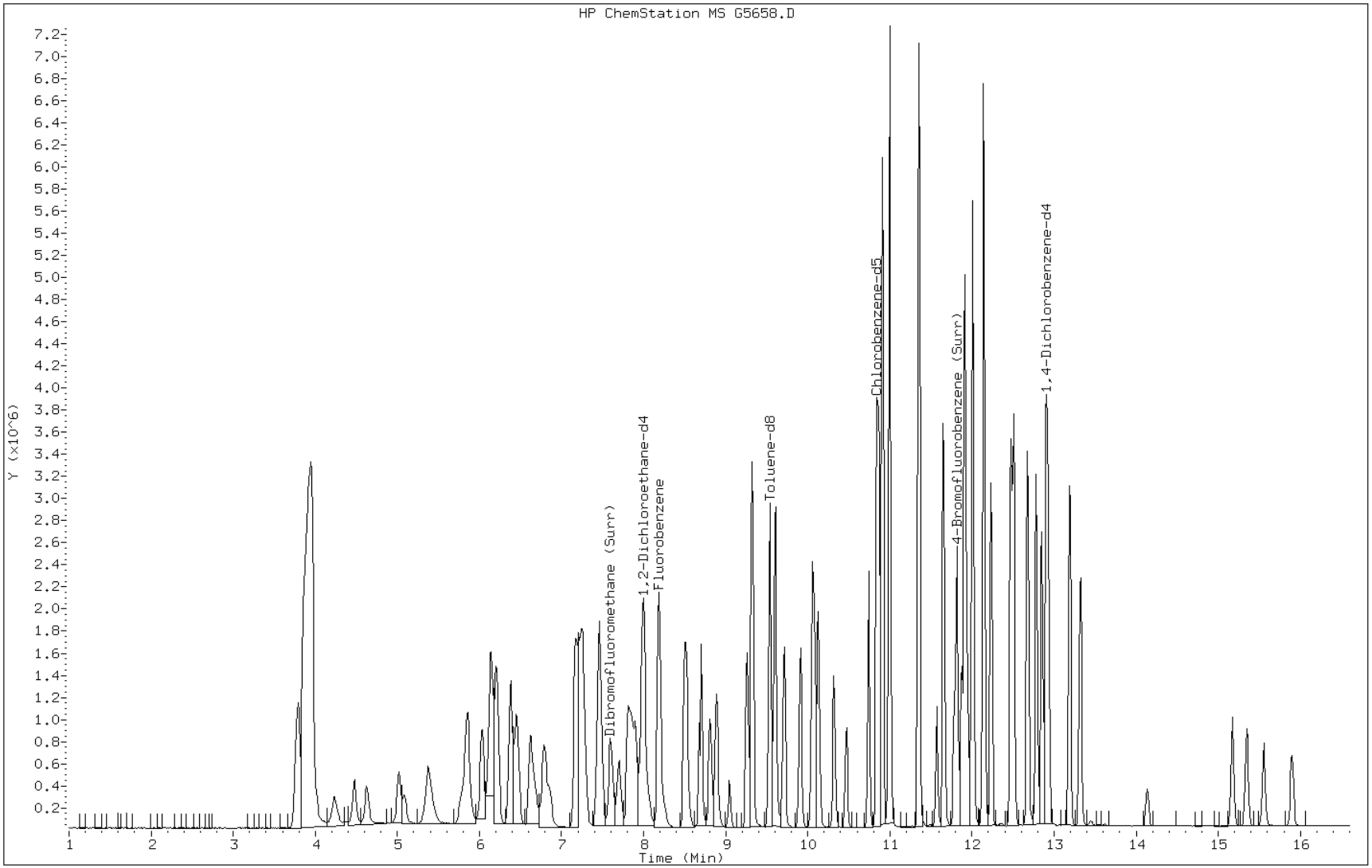
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: G5658.D

Date: 04-APR-2012 17:40

Client ID: Instrument: G.i

Sample Info: 280-27123-b-6-c msd,5.765, Operator: HUBBSL



Manual Integration Report

Data File: G5658.D
Inj. Date and Time: 04-APR-2012 17:40
Instrument ID: G.i
Client ID:
Compound: 65 1,2-Dichloropropane
CAS #: 78-87-5
Report Date: 04/05/2012

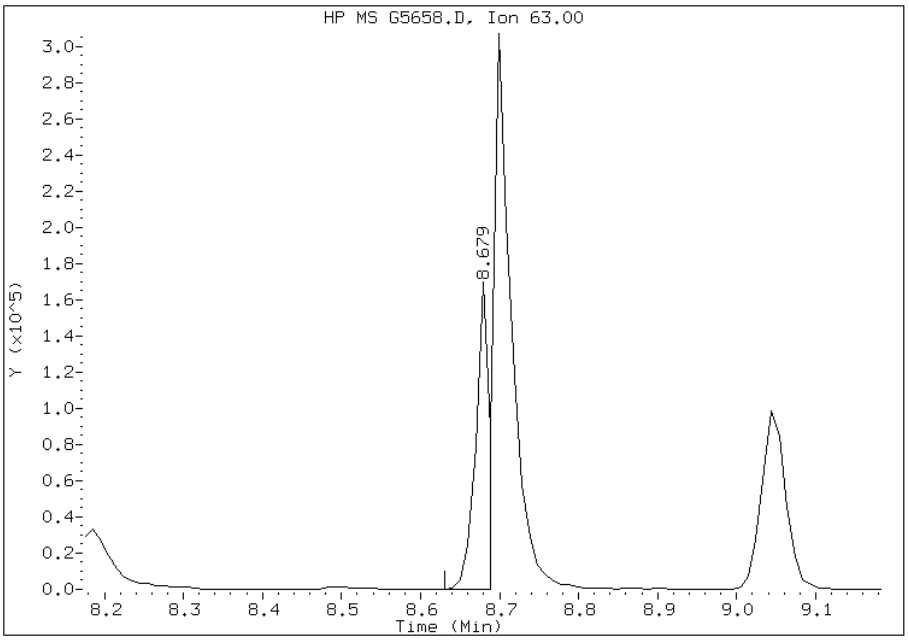
Processing Integration Results

RT: 8.68

Response: 217228

Amount: 15

Conc: 13



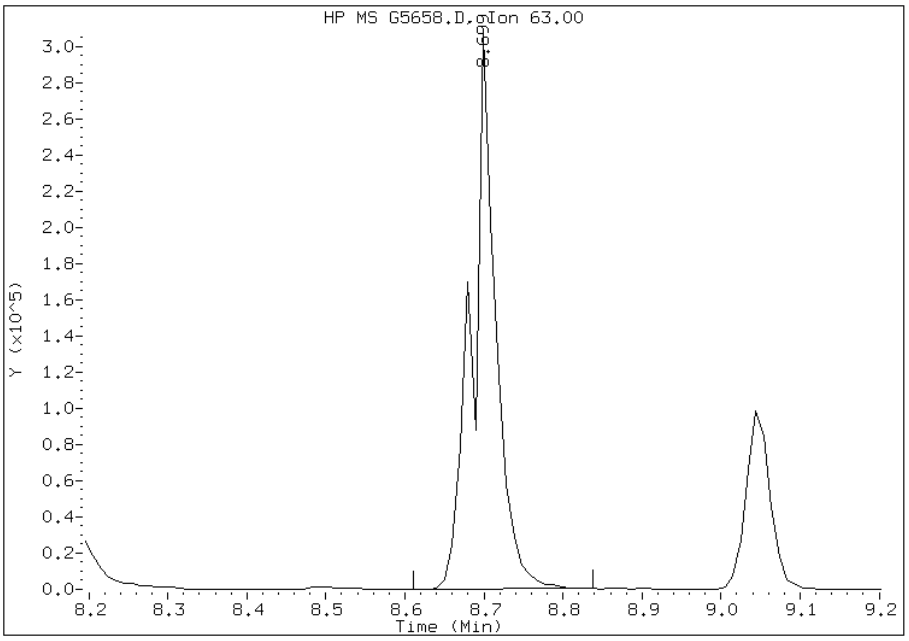
Manual Integration Results

RT: 8.70

Response: 656625

Amount: 45

Conc: 39



Manually Integrated By: reinhardtj
Manual Integration Reason: Split Peak

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_G Start Date: 03/26/2012 06:47

Analysis Batch Number: 113188 End Date: 03/26/2012 15:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-113188/1		03/26/2012 06:47	1	G5461.D	DB-624 (60.32) 0.32(mm)
IC 280-113188/2		03/26/2012 07:20	1	G5462.D	DB-624 (60.32) 0.32(mm)
IC 280-113188/3		03/26/2012 07:42	1	G5463.D	DB-624 (60.32) 0.32(mm)
IC 280-113188/4		03/26/2012 08:04	1	G5464.D	DB-624 (60.32) 0.32(mm)
IC 280-113188/5		03/26/2012 08:26	1	G5465.D	DB-624 (60.32) 0.32(mm)
IC 280-113188/6		03/26/2012 08:47	1	G5466.D	DB-624 (60.32) 0.32(mm)
IC 280-113188/7		03/26/2012 09:09	1	G5467.D	DB-624 (60.32) 0.32(mm)
IC 280-113188/8		03/26/2012 09:31	1	G5468.D	DB-624 (60.32) 0.32(mm)
IC 280-113188/9		03/26/2012 09:52	1	G5469.D	DB-624 (60.32) 0.32(mm)
ICV 280-113188/10		03/26/2012 10:40	1	G5470.D	DB-624 (60.32) 0.32(mm)
ICV 280-113188/11		03/26/2012 11:02	1	G5471.D	DB-624 (60.32) 0.32(mm)
ICV 280-113188/12		03/26/2012 11:24	1	G5472.D	DB-624 (60.32) 0.32(mm)
ICV 280-113188/13		03/26/2012 12:44	1	G5473.D	DB-624 (60.32) 0.32(mm)
IC 280-113188/14		03/26/2012 13:13	1		DB-624 (60.32) 0.32(mm)
IC 280-113188/15		03/26/2012 13:34	1		DB-624 (60.32) 0.32(mm)
IC 280-113188/16		03/26/2012 13:56	1		DB-624 (60.32) 0.32(mm)
IC 280-113188/17		03/26/2012 14:17	1		DB-624 (60.32) 0.32(mm)
ICIS 280-113188/18		03/26/2012 14:38	1		DB-624 (60.32) 0.32(mm)
IC 280-113188/19		03/26/2012 15:00	1		DB-624 (60.32) 0.32(mm)
IC 280-113188/20		03/26/2012 15:22	1		DB-624 (60.32) 0.32(mm)
ICV 280-113188/21		03/26/2012 15:43	1		DB-624 (60.32) 0.32(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_G Start Date: 04/04/2012 07:14

Analysis Batch Number: 114253 End Date: 04/04/2012 19:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-114253/1		04/04/2012 07:14	1	G5631.D	DB-624 (60.32) 0.32(mm)
CCV 280-114253/2		04/04/2012 07:37	1	G5632.D	DB-624 (60.32) 0.32(mm)
IC 280-114253/3		04/04/2012 07:59	1	G5633.D	DB-624 (60.32) 0.32(mm)
IC 280-114253/4		04/04/2012 08:21	1	G5634.D	DB-624 (60.32) 0.32(mm)
IC 280-114253/5		04/04/2012 08:42	1	G5635.D	DB-624 (60.32) 0.32(mm)
IC 280-114253/6		04/04/2012 09:04	1	G5636.D	DB-624 (60.32) 0.32(mm)
ICIS 280-114253/7		04/04/2012 09:25	1	G5637.D	DB-624 (60.32) 0.32(mm)
IC 280-114253/9		04/04/2012 10:08	1	G5639.D	DB-624 (60.32) 0.32(mm)
ICV 280-114253/10		04/04/2012 10:56	1	G5640.D	DB-624 (60.32) 0.32(mm)
IC 280-114253/8		04/04/2012 11:59	1	G5642.D	DB-624 (60.32) 0.32(mm)
LCS 280-114240/2-A		04/04/2012 12:20	1	G5643.D	DB-624 (60.32) 0.32(mm)
MB 280-114240/1-A		04/04/2012 13:03	1	G5645.D	DB-624 (60.32) 0.32(mm)
280-27123-1	UNK10101AA	04/04/2012 13:25	1	G5646.D	DB-624 (60.32) 0.32(mm)
280-27123-2	UNK10201AA	04/04/2012 13:46	1	G5647.D	DB-624 (60.32) 0.32(mm)
280-27123-3	UNK10301AA	04/04/2012 14:08	1	G5648.D	DB-624 (60.32) 0.32(mm)
280-27123-6	UNK10502AA	04/04/2012 16:58	1	G5656.D	DB-624 (60.32) 0.32(mm)
280-27123-6 MS	UNK10502AA MS	04/04/2012 17:19	1	G5657.D	DB-624 (60.32) 0.32(mm)
280-27123-6 MSD	UNK10502AA MSD	04/04/2012 17:40	1	G5658.D	DB-624 (60.32) 0.32(mm)
ZZZZZ		04/04/2012 18:02	1		DB-624 (60.32) 0.32(mm)
280-27123-5	UNK10501AA	04/04/2012 18:23	1	G5660.D	DB-624 (60.32) 0.32(mm)
280-27123-7	UNK10601AA	04/04/2012 18:44	1	G5661.D	DB-624 (60.32) 0.32(mm)
280-27123-8	UNK10602AA	04/04/2012 19:05	1	G5662.D	DB-624 (60.32) 0.32(mm)
ZZZZZ		04/04/2012 19:26	1		DB-624 (60.32) 0.32(mm)
ZZZZZ		04/04/2012 19:47	1		DB-624 (60.32) 0.32(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_G2 Start Date: 03/23/2012 20:34

Analysis Batch Number: 112941 End Date: 03/24/2012 03:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-112941/1		03/23/2012 20:34	1	G2_4867.D	DB-624 (60.25) 0.25(mm)
IC 280-112941/2		03/23/2012 20:56	1	G2_4868.D	DB-624 (60.25) 0.25(mm)
IC 280-112941/3		03/23/2012 21:31	1	G2_4869.D	DB-624 (60.25) 0.25(mm)
IC 280-112941/4		03/23/2012 21:50	1	G2_4870.D	DB-624 (60.25) 0.25(mm)
IC 280-112941/5		03/23/2012 22:09	1	G2_4871.D	DB-624 (60.25) 0.25(mm)
IC 280-112941/6		03/23/2012 22:28	1	G2_4872.D	DB-624 (60.25) 0.25(mm)
IC 280-112941/7		03/23/2012 23:09	1	G2_4873.D	DB-624 (60.25) 0.25(mm)
IC 280-112941/8		03/23/2012 23:28	1	G2_4874.D	DB-624 (60.25) 0.25(mm)
IC 280-112941/9		03/23/2012 23:47	1	G2_4875.D	DB-624 (60.25) 0.25(mm)
ICV 280-112941/10		03/24/2012 00:06	1	G2_4876.D	DB-624 (60.25) 0.25(mm)
ICV 280-112941/11		03/24/2012 00:44	1	G2_4878.D	DB-624 (60.25) 0.25(mm)
IC 280-112941/13		03/24/2012 01:22	1		DB-624 (60.25) 0.25(mm)
IC 280-112941/14		03/24/2012 01:41	1		DB-624 (60.25) 0.25(mm)
IC 280-112941/15		03/24/2012 02:00	1		DB-624 (60.25) 0.25(mm)
IC 280-112941/16		03/24/2012 02:19	1		DB-624 (60.25) 0.25(mm)
IC 280-112941/17		03/24/2012 02:38	1		DB-624 (60.25) 0.25(mm)
IC 280-112941/18		03/24/2012 02:57	1		DB-624 (60.25) 0.25(mm)
IC 280-112941/19		03/24/2012 03:16	1		DB-624 (60.25) 0.25(mm)
ICV 280-112941/20		03/24/2012 03:35	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_G2 Start Date: 03/24/2012 13:46

Analysis Batch Number: 112963 End Date: 03/24/2012 22:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-112963/1		03/24/2012 13:46	1	G2_4891.D	DB-624 (60.25) 0.25(mm)
ICV 280-112963/2		03/24/2012 14:00	1	G2_4892.D	DB-624 (60.25) 0.25(mm)
CCV 280-112963/3		03/24/2012 14:19	1		DB-624 (60.25) 0.25(mm)
CCV 280-112963/4		03/24/2012 14:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 15:22	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 15:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 16:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 16:20	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 16:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 16:58	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 17:18	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 17:37	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 17:56	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 18:15	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 18:34	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 18:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 19:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 19:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 19:50	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 20:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 20:29	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 20:48	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 21:07	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 21:26	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 21:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 22:04	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 22:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/24/2012 22:42	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_G2 Start Date: 03/23/2012 09:36

Analysis Batch Number: 112965 End Date: 03/23/2012 16:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-112965/1		03/23/2012 09:36	1	G2_4846.D	DB-624 (60.25) 0.25(mm)
IC 280-112965/2		03/23/2012 14:26	1	G2_4859.D	DB-624 (60.25) 0.25(mm)
IC 280-112965/3		03/23/2012 14:45	1	G2_4860.D	DB-624 (60.25) 0.25(mm)
IC 280-112965/4		03/23/2012 15:04	1	G2_4861.D	DB-624 (60.25) 0.25(mm)
IC 280-112965/5		03/23/2012 15:23	1	G2_4862.D	DB-624 (60.25) 0.25(mm)
ICIS 280-112965/6		03/23/2012 15:41	1	G2_4863.D	DB-624 (60.25) 0.25(mm)
IC 280-112965/7		03/23/2012 16:00	1	G2_4864.D	DB-624 (60.25) 0.25(mm)
IC 280-112965/8		03/23/2012 16:19	1	G2_4865.D	DB-624 (60.25) 0.25(mm)
ICV 280-112965/9		03/23/2012 16:39	1	G2_4866.D	DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_G2 Start Date: 04/06/2012 06:42

Analysis Batch Number: 114709 End Date: 04/06/2012 18:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-114709/1		04/06/2012 06:42	1	G2_5380.D	DB-624 (60.25) 0.25(mm)
CCV 280-114709/2		04/06/2012 06:55	1	G2_5381.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 07:48	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 08:07	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 08:26	1		DB-624 (60.25) 0.25(mm)
CCV 280-114709/6		04/06/2012 09:15	1	G2_5386.D	DB-624 (60.25) 0.25(mm)
LCS 280-114501/2-A		04/06/2012 09:50	1	G2_5387.D	DB-624 (60.25) 0.25(mm)
MB 280-114501/1-A		04/06/2012 10:28	1	G2_5389.D	DB-624 (60.25) 0.25(mm)
280-27123-4	UNK10401AA	04/06/2012 11:01	1	G2_5390.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 11:20	1		DB-624 (60.25) 0.25(mm)
280-27123-4 MS	UNK10401AA MS	04/06/2012 11:39	1	G2_5392.D	DB-624 (60.25) 0.25(mm)
280-27123-4 MSD	UNK10401AA MSD	04/06/2012 11:58	1	G2_5393.D	DB-624 (60.25) 0.25(mm)
280-27123-9	UNK10701AA	04/06/2012 12:17	1	G2_5394.D	DB-624 (60.25) 0.25(mm)
280-27123-10	UNK10702AA	04/06/2012 12:36	1	G2_5395.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 12:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 13:14	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 13:33	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 13:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 14:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 14:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 14:50	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 15:10	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 15:29	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 15:48	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 16:07	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 16:26	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 16:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 17:04	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 17:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 17:42	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 18:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/06/2012 18:20	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 03/15/2012 06:15

Analysis Batch Number: 111872 End Date: 03/15/2012 18:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-111872/1		03/15/2012 06:15	1	RR3334.D	DB-624 (60.25) 0.25(mm)
IC 280-111872/2		03/15/2012 06:48	1	RR3336.D	DB-624 (60.25) 0.25(mm)
IC 280-111872/3		03/15/2012 07:11	1	RR3337.D	DB-624 (60.25) 0.25(mm)
IC 280-111872/4		03/15/2012 07:34	1	RR3338.D	DB-624 (60.25) 0.25(mm)
ICIS 280-111872/5		03/15/2012 07:57	1	RR3339.D	DB-624 (60.25) 0.25(mm)
IC 280-111872/6		03/15/2012 08:20	1	RR3340.D	DB-624 (60.25) 0.25(mm)
IC 280-111872/7		03/15/2012 08:43	1	RR3341.D	DB-624 (60.25) 0.25(mm)
CCV 280-111872/8		03/15/2012 09:06	1		DB-624 (60.25) 0.25(mm)
ICV 280-111872/9		03/15/2012 09:29	1	RR3343.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 09:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 10:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 10:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 11:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 11:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 11:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 12:18	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 12:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 13:04	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 13:28	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 13:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 14:14	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 14:37	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 15:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 15:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 15:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 16:10	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 16:34	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 16:57	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 17:20	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 17:44	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/15/2012 18:07	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 03/26/2012 06:24

Analysis Batch Number: 113151 End Date: 03/26/2012 17:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-113151/1		03/26/2012 06:24	1	RR3757.D	DB-624 (60.25) 0.25(mm)
CCV 280-113151/29		03/26/2012 07:12	1		DB-624 (60.25) 0.25(mm)
IC 280-113151/2		03/26/2012 07:35	1	RR3760.D	DB-624 (60.25) 0.25(mm)
IC 280-113151/3		03/26/2012 07:59	1	RR3761.D	DB-624 (60.25) 0.25(mm)
IC 280-113151/4		03/26/2012 08:22	1	RR3762.D	DB-624 (60.25) 0.25(mm)
IC 280-113151/5		03/26/2012 08:45	1	RR3763.D	DB-624 (60.25) 0.25(mm)
IC 280-113151/6		03/26/2012 09:09	1	RR3764.D	DB-624 (60.25) 0.25(mm)
IC 280-113151/7		03/26/2012 09:32	1	RR3765.D	DB-624 (60.25) 0.25(mm)
IC 280-113151/8		03/26/2012 09:56	1	RR3766.D	DB-624 (60.25) 0.25(mm)
ICV 280-113151/9		03/26/2012 10:19	1	RR3767.D	DB-624 (60.25) 0.25(mm)
ICV 280-113151/10		03/26/2012 10:43	1	RR3768.D	DB-624 (60.25) 0.25(mm)
ICV 280-113151/11		03/26/2012 11:06	1	RR3769.D	DB-624 (60.25) 0.25(mm)
ICV 280-113151/12		03/26/2012 11:29	1	RR3770.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 11:52	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 12:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 12:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 13:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 13:33	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 13:56	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 14:20	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 14:43	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 15:07	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 15:30	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 15:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 16:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 16:40	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 17:04	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 17:27	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/26/2012 17:51	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 04/09/2012 06:20

Analysis Batch Number: 114706 End Date: 04/09/2012 17:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-114706/1		04/09/2012 06:20	1	RR4243.D	DB-624 (60.25) 0.25(mm)
CCV 280-114706/2		04/09/2012 06:30	1	RR4244.D	DB-624 (60.25) 0.25(mm)
CCV 280-114706/3		04/09/2012 06:54	1	RR4245.D	DB-624 (60.25) 0.25(mm)
LCS 280-114706/4		04/09/2012 07:17	1	RR4246.D	DB-624 (60.25) 0.25(mm)
MB 280-114706/5		04/09/2012 07:42	1	RR4247.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 08:06	1		DB-624 (60.25) 0.25(mm)
280-27123-11	032712AE	04/09/2012 08:29	1	RR4249.D	DB-624 (60.25) 0.25(mm)
280-27123-12	032712AF	04/09/2012 08:52	1	RR4250.D	DB-624 (60.25) 0.25(mm)
280-27123-13	032712AR	04/09/2012 09:16	1	RR4251.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 09:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 10:02	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 10:26	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 10:49	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 11:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 11:36	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 11:59	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 12:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 12:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 13:10	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 13:33	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 13:56	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 14:20	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 14:43	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 15:06	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 15:29	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 15:52	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 16:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 16:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/09/2012 17:02	1		DB-624 (60.25) 0.25(mm)

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument: G2

All IS and SS are within control unless noted.

ISS/MSVOA #:

DEN-MS-0010 (8260B/624/524.2) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 0642

Lims Batch : 1820

Sequence Name: C:\MSDChem\1\sequence\040612.B.S
Comment:
Operator: REINHARDT
Data Path: C:\MSDCHEM\1\DATA\040612.B\

Top Pre-Seq Cmd:
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Top Post-Seq Cmd:
Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample Name/Misc Info		
1)	Sample 51	G2_5378	BFBSOIL	BLK
2)	Sample 100	G2_5379	BFBSOIL	BFB
3)	Sample 100	G2_5380	BFBSOIL	BFB
4)	Sample 18	G2_5381	8260SOIL	CCV,,M13G9
5)	Sample 19	G2_5382	8260SOIL	CCV,,S
6)	Sample 20	G2_5383	8260SOIL	LCS
7)	Sample 21	G2_5384	8260SOIL	LCSD
8)	Sample 22	G2_5385	8260SOIL	MB
9)	Sample 23	G2_5386	8260SOIL	CCV,,S1
10)	Sample 24	G2_5387	8260SOIL	LCS,5.003, 4/5/R10
11)	Sample 25	G2_5388	8260SOIL	LCSD,5.005,
12)	Sample 26	G2_5389	8260SOIL	MB,5.021,
13)	Sample 27	G2_5390	8260SOIL	280-27123-b-4-b SS
14)	Sample 28	G2_5391	8260SOIL	LCSD,5.027,
15)	Sample 29	G2_5392	8260SOIL	280-27123-b-4-c ms,5.110,
16)	Sample 30	G2_5393	8260SOIL	280-27123-b-4-d msd,5.048,
17)	Sample 31	G2_5394	8260SOIL	280-27123-b-9-b SS
18)	Sample 32	G2_5395	8260SOIL	280-27123-b-10-b SS
19)	Sample 33	G2_5396	8260SOIL	280-27317-c-4-a
20)	Sample 34	G2_5397	8260SOIL	280-27336-b-1-a
21)	Sample 35	G2_5398	8260SOIL	280-27336-b-2-a E
22)	Sample 36	G2_5399	8260SOIL	280-27336-b-3-a E
23)	Sample 37	G2_5400	8260SOIL	280-27362-b-1-a E
24)	Sample 38	G2_5401	8260SOIL	280-27362-b-2-a SSM E
25)	Sample 39	G2_5402	8260SOIL	280-27362-b-3-a E
26)	Sample 40	G2_5403	8260SOIL	mb 280-114349/1-a
27)	Sample 41	G2_5404	8260SOIL	280-27310-d-4-a
28)	Sample 42	G2_5405	8260SOIL	280-27310-d-5-a
29)	Sample 43	G2_5406	8260SOIL	280-27357-d-1-a
30)	Sample 44	G2_5407	8260SOIL	280-27357-d-2-a
31)	Sample 45	G2_5408	8260SOIL	280-27357-d-5-a
32)	Sample 46	G2_5409	8260SOIL	280-27357-d-6-a SSM
33)	Sample 47	G2_5410	8260SOIL	280-27357-d-8-a
34)	Sample 48	G2_5411	8260SOIL	280-27357-d-9-a
35)	Sample 49	G2_5412	8260SOIL	280-27357-d-10-a
36)	Sample 50	G2_5413	8260SOIL	280-27357-d-11-a SSM
37)	Sample 51	G2_5414	8260SOIL	BLK

0642

1820

	Comments	ALS
BFB		
mv-BFB_07		
MAIN CCV		
mv-main_022		
mv-main gas_026		
mv-F114_00001		
SUPP CCV		
mv-supp_021		
mv-2 cleve_11		
ICV/LCS/MS/MSD		
mv-524 A_13		
mv-624 A_14		
mv-SS Gas/ke_018		
mv-secsrc B_05		
mv-secsrc C_15		
mv-SS Supp_11		
mv-BO mix A-08		
mv-Acrol/Acryl_021		
mv-BO mix B_08		
mv-ss-2butanol A_01		
mv-ss-1butanol A_01		
mv-IS/SS_		
mv-Archon IS_445		
mv-Archon SS_523		

GC/MS Continuing Calibration Review Checklist

TestAmerica Denver

Instrument ID and Date: G2 4/6/12 AM

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

☐ 524.2 ☐ 624 ☒ 8260B ☐ Other VOA _____

VOA Preparation ☒ 5mL ☐ 20mL ☒ 5035 Low ☐ 5035 High ☒ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	@4
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment?	✓			✓	
6. Standards traceability properly documented?	✓			✓	
7. Manual integrations documented and checked?			✓	NA	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	

1st Level Reviewer: [signature] Date: 4/6/12

2nd Level Reviewer: KS Date: 4/6/12

GC/MS VOA Continuing Calibration Review Checklist

TestAmerica Denver

Instrument ID and Date: **R2** **04/09/12**

Check Method Used: Analysis ☐ 524.2 ☐ 624 ■ 8260B ☐ Other VOA _

VOA Preparation ☐ 5mL ■20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. BFB meets criteria?	X			/	
2. ICAL date and instrument ID verified?	X			/	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	X			/	
4. Does %D meet criteria for non-CCC compounds?	X			/	Good for Q4/A4
5. Isomeric pairs checked for correct peak assignment?	X			/	
6. Standards traceability properly documented?	X			/	
7. Manual integrations documented and checked?	X			/	
8. Do the Internal Standards meet criteria for %D against ICAL?	X			/	

1st Level Reviewer: [signature] Date: 4/9/12

2nd Level Reviewer: [signature] Date: 04-09-12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument: R2

All IS and SS are within control unless noted.

Comments:

ISS/MSVOA #: N/A

DEN-MS-0010 (8260B/624/524.2)
(Circle)

Purge Volume: (20mL/5mL/5g)
(Circle)

Tune Time: 620-1702

Lims Batch : 114706

```
Sequence Name: C:\HPCHEM\1\SEQUENCE\040912.S
      Comment:
     Operator: DOBRANSKYM
    Data Path: C:\HPCHEM\1\DATA\040912.B\
  Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run      On A Barcode Mismatch
 (X) Full Method              (X) Inject Anyway
 ( ) Reprocessing Only        ( ) Don't Inject
```

Line	Type	Vial	DataFile	Method	Sample Name	IS OK	DIL OK	24 hr / ~~12 hr~~	pH	Comments	ALS
1	BFB	100	RR4243	BFBJ	BFB						
2	Sample	10	RR4244	8260J	CCV,,M 5uL						
3	Sample	11	RR4245	8260J	CCV,,S 5uL						
4	Sample	12	RR4246	8260J	LCS,,2.5uL						
5	Sample	13	RR4247	8260J	MB,,AF						
6	Sample	14	RR4248	8260J	280-27380-d-9,,PH<2 AF						
7	Sample	15	RR4249	8260J	280-27123-i-11,,PH<2						
8	Sample	16	RR4250	8260J	280-27123-b-12,,PH<2						
9	Sample	17	RR4251	8260J	280-27123-a-13,,PH<2						
10	Sample	18	RR4252	8260J	280-27380-f-9 MS,,PH<2 AF						
11	Sample	19	RR4253	8260J	280-27380-f-9 MSD,,PH<2 AF						
12	Sample	20	RR4254	8260J	280-27190-c-27,,PH<2 RR						
13	Sample	21	RR4255	8260J	280-27190-b-30,,PH<2 RR						
14	Sample	22	RR4256	8260J	280-27190-c-34,,PH<2 RR						
15	Sample	23	RR4257	8260J	280-27380-a-4,,PH<2						
16	Sample	24	RR4258	8260J	280-27380-a-4,2,PH<2						
17	Sample	25	RR4259	8260J	280-27365-a-4,,PH<2						
18	Sample	26	RR4260	8260J	280-27365-a-9,,PH<2						
19	Sample	27	RR4261	8260J	280-27362-a-4,,PH<2						
20	Sample	28	RR4262	8260J	280-27380-a-1,,PH<2						
21	Sample	29	RR4263	8260J	280-27380-a-2,,PH<2						
22	Sample	30	RR4264x	8260J	280-27380-a-3,,PH<2 SS - RR (NH) - DNR						
23	Sample	31	RR4265	8260J	280-27380-a-5,,PH<2						
24	Sample	32	RR4266	8260J	280-27380-a-6,,PH<2						
25	Sample	33	RR4267	8260J	280-27380-a-7,,PH<2						
26	Sample	34	RR4268	8260J	280-27380-a-8,,PH<2						
27	Sample	35	RR4269	8260J	280-27380-a-10,,PH<2						
28	Sample	36	RR4270	8260J	280-27190-c-43,,PH<2						
29	Sample	37	RR4271	8260J	280-27331-a-2,5,PH<2 AF!!						
30	Sample	38	RR4272	8260J	PRIMER						
31	Sample	39	RR4273	8260J	PRIMER						
32											

MLC 4/19/12

- [x] mv-bfb_00007

MAIN CCV
- [x] mv-main_00023
- [x] mv-main gas_00027
- [x] mv-F114_00002

SUPP CCV
- [x] mv-supp_00022
- [x] mv- 2 cleve_00009

ICV/LCS/MS/MSD
- [x] mv-524 a_00014
- [x] mv-624 a_00015
- [x] mv-SS Gas/ke_00018
- [ ] mv-BO mix A_00008
- [ ] mv-acrol/acry_00022
- [ ] mv-SecSrc B_00005
- [ ] mv-SecSrc C_00015
- [ ] mv-SS Supp_00011
- [ ] mv-SS 2 Cleve_00005
- [ ] mv-2butanol A_00001
- [ ] mv-1,4Dioxane_00017

- [x] mv-Archon IS_00495
- [x] mv-Archon SS_00617

*Run rejected because of poor purge or QC issue. Do not report.

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: **R2** **SUPP** **03/15/12**
Calibration Event **8782** Batch **111872** **ICIS Line 5/ ICV Line 9**

Check Method Used: Analysis ☐ 524.2 ☐ 624 ■ 8260B ☐ Other VOA _

VOA Preparation_ ☐ 5mL ■20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Does the Form VI match the data in the Target source method?	X			✓	
4. Sufficient number of calibration points used?	X			✓	
5. Reasons for removal of points documented?	X			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	X			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			X	N/A	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	X			✓	
9. Isomeric pairs checked for correct peak assignment?	X			✓	
10. Data checked for detector saturation?	X			✓	
11. Standards traceability properly documented?	X			✓	
12. Manual integrations documented and checked?			X	N/A	
13. **2nd source ICV recovery 75-125% (±25%drift) for DoD projects,** 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	X			✓	Within ±**20%** for DoD compounds **1,2-Dichlorotetrafluoroethane +226.9%**

High Point for Ethylene Oxide is 3750ppb

1st Level Reviewer: _____ Date: 3/15/12

2nd Level Reviewer: _____ Date: 3/16/12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument: R2

All IS and SS are within control unless noted.

ISS/MSVOA #: N/A

Comments:

DEN-MS-0010 (8260B/624/524.2) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 615-1807

Lims Batch : 111872

Sequence Name: C:\HPCHEM\1\SEQUENCE\031512i.S
Comment:
Operator: DOBRANSKYM
Data Path: C:\HPCHEM\1\DATA\031512i.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name	DIL OK	24 hr ~~12 hr~~	BH	Comments	ALS
1	BFB	100	RR3334	BFBJ	BFB					
2	Sample	10	RR3335	8260J	CCV,,M 5uL					
3	Sample	11	RR3336	8260J	IC,,S1.0 5uL 10x					
4	Sample	12	RR3337	8260J	IC,,S2.0 10uL 10x					
5	Sample	13	RR3338	8260J	IC,,S5.0 2.5uL					
6	Sample	14	RR3339	8260J	ICIS,,S10 5uL					
7	Sample	15	RR3340	8260J	IC,,S30 15uL					
8	Sample	16	RR3341	8260J	IC,,S60 30uL					
9	Sample	17	RR3342	8260J	CCV,,M 5uL Q4					
10	Sample	18	RR3343	8260J	ICV,,SA 5uL					
11	Sample	19	RR3344	8260J	LCS,,2.5uL					
12	Sample	20	RR3345	8260J	LCSD,,2.5uL					
13	Sample	21	RR3346	8260J	MB,,AF					
14	Sample	22	RR3347	8260J	280-26526-D-2,,PH<2					
15	Sample	23	RR3348	8260J	280-26526-a-1,,PH<2					
16	Sample	24	RR3349	8260J	280-26535-b-2,,PH<2					
17	Sample	25	RR3350	8260J	280-26526-c-3,,PH<2					
18	Sample	26	RR3351	8260J	280-26535-c-2 MS,,PH<2					
19	Sample	27	RR3352	8260J	280-26535-c-2 MSD,,PH<2					
20	Sample	28	RR3353	8260J	280-26526-d-4,,PH<2					
21	Sample	29	RR3354	8260J	280-26526-c-5,,PH<2					
22	Sample	30	RR3355	8260J	280-26526-c-6,,PH<2					
23	Sample	31	RR3356	8260J	280-26526-d-7,,PH<2					
24	Sample	32	RR3357	8260J	280-26526-d-8,,PH<2					
25	Sample	33	RR3358	8260J	280-26526-c-9,,PH<2					
26	Sample	34	RR3359	8260J	280-26526-c-10,,PH<2					
27	Sample	35	RR3360	8260J	280-26526-a-11,,PH<2					
28	Sample	36	RR3361	8260J	280-26526-c-12,,PH<2 AF					
29	Sample	37	RR3362	8260J	280-26526-c-13,,PH<2					
30	Sample	38	RR3363	8260J	280-26526-d-14,,PH<2					
31	Sample	39	RR3364	8260J	280-26535-c-1,,PH<2					
32	Sample	40	RR3365	8260J	280-26535-c-3,,PH<2					
33	Sample	41	RR3366	8260J	280-26535-b-4,,PH<2 AF					

@ 1807 out of tune - RR DNR

- ✓ mv-bfb_00007

MAIN CCV 3/10/12
- ✓ mv-main_00022
- ✓ mv-main gas_00027

SUPP CCV
- ✓ mv-supp_00021
- ✓ mv- 2 cleve_00011

ICV/LCS/MS/MSD
- ✓ mv-524 a_00013
- ✓ mv-624 a_00015
- ✓ mv-SS Gas/ke_00018
- mv-BO mix A_00008
- mv-acrol/acry_00021
- mv-Acrolein A_00001
- mv-SecSrc B_00005
- mv-SecSrc C_00015
- ✓ mv-SS Supp_00011
- ✓ mv-SS 2 Cleve_00005
- mv-2butanol A_00001
- mv-1,4Dioxane_00017

- ✓ mv-Archon IS_00482
- ✓ mv-Archon SS_00602

*Run rejected because of poor purge or QC issue. Do not report.

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: G2 Main 03/23/2012
Calibration Event 8869 Batch 112941/10,11 & 112963/2

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

☐ 524.2 ☐ 624 ☒ 8260B ☐ Other VOA _

VOA Preparation ☒ 5mL ☐ 20mL ☒ 5035 Low ☐ 5035 High ☒ 5030 Low ☐ 5030 High

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?	✓			✓	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?			✓	✓	
13. 2nd source ICV recovery 75-125% (±25%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: _____ Date: 3/23/12

High pt: none

2nd Level Reviewer: _____ Date: 3/26/12

Revision 2.3
04/30/2010
G:\QA\Edit\Forms|GCMS ICAL

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument: G2

All IS and SS are within control unless noted.

ISS/MSVOA #: 441/572

DEN-MS-0010 (8260B/624/524.2) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: _____

Lims Batch : 112941

Comments: _____

Sequence Name: C:\MSDChem\1\sequence\032322P.B.S
Comment:
Operator: JABLONSKIK
Data Path: C:\MSDCHEM\1\DATA\032312P.B\

Top	Pre-Seq Cmd:	
Instrument Control	Pre-Seq Cmd:	
Data Analysis	Pre-Seq Cmd:	
Top	Post-Seq Cmd:	
Instrument Control	Post-Seq Cmd:	
Data Analysis	Post-Seq Cmd:	

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

112941

Line			Sample Name/Misc Info		
1)	Sample	100	G2_4867	BFBSOIL	BFB
2)	Sample	18	G2_4868	8260SOIL	IC,,M001
3)	Sample	19	G2_4869	8260SOIL	IC,,M002
4)	Sample	20	G2_4870	8260SOIL	IC,,M005
5)	Sample	21	G2_4871	8260SOIL	IC,,M010
6)	Sample	22	G2_4872	8260SOIL	IC,,M020
7)	Sample	23	G2_4873	8260SOIL	IC,,M050
8)	Sample	24	G2_4874	8260SOIL	IC,,M100
9)	Sample	25	G2_4875	8260SOIL	IC,,M200
10)	Sample	26	G2_4876	8260SOIL	ICV,,B
11)	Sample	27	G2_4877*	8260SOIL	ICV,,A 524-1/R6 not QA
12)	Sample	28	G2_4878	8260SOIL	ICV,,C
13)	Sample	29	G2_4879	8260SOIL	IC,,F001
14)	Sample	30	G2_4880	8260SOIL	IC,,F002
15)	Sample	31	G2_4881	8260SOIL	IC,,F005
16)	Sample	32	G2_4882	8260SOIL	IC,,F010
17)	Sample	33	G2_4883	8260SOIL	IC,,F020
18)	Sample	34	G2_4884	8260SOIL	IC,,F050
19)	Sample	35	G2_4885	8260SOIL	IC,,F100
20)	Sample	36	G2_4886	8260SOIL	IC,,F200
21)	Sample	37	G2_4887	8260SOIL	ICV,,F114
22)	Sample	38	G2_4888*	8260SOIL	ICV,,A not QA

Initials	File Number	IS OK	SS OK	DIL OK	24 hr 12 hr	pH	Comments	ALS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument: G2

All IS and SS are within control unless noted.

ISS/MSVOA #: 441/572

Comments:

DEN-MS-0010 (8260B/624/524.2) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 1346-2242

Lims Batch : 112957/112963

KJ 3/25/12

Sequence Name: C:\MSDChem\1\sequence\032422.B.S
Comment:
Operator: JABLONSKIK
Data Path: C:\MSDCHEM\1\DATA\032412.B\

Top Pre-Seq Cmd:
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Top Post-Seq Cmd:
Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

112957/112963

Line		File Number	Sample Name/Misc Info	
1)	Sample	1346 100	G2_4891	BFBSOIL BFB
2)	Sample	18	G2_4892	8260SOIL ICV,,A 524-1 R6
3)	Sample	19	G2_4893	8260SOIL CCV,,M11G7
4)	Sample	20	G2_4894	8260SOIL CCV,,S
5)	Sample	21	G2_4895*	8260SOIL LCS,5.02, RPD
6)	Sample	22	G2_4896	8260SOIL LCSD,5.04,
7)	Sample	23	G2_4897	8260SOIL MB,5.00,
8)	Sample	24	G2_4898	8260SOIL 280-26903-f-1-a E(NT)
9)	Sample	25	G2_4899*	8260SOIL 280-26861-c-13-a CO · DNR
10)	Sample	26	G2_4900	8260SOIL LCS,5.00,
11)	Sample	27	G2_4901	8260SOIL 280-26861-d-14-a
12)	Sample	28	G2_4902	8260SOIL 280-26861-d-15-a MSS NCH H,ND
13)	Sample	29	G2_4903	8260SOIL 280-26861-b-16-a
14)	Sample	30	G2_4904	8260SOIL 280-26861-c-17-a
15)	Sample	31	G2_4905	8260SOIL 280-26862-b-1-a
16)	Sample	32	G2_4906	8260SOIL 280-26862-d-2-a
17)	Sample	33	G2_4907	8260SOIL 280-26862-d-3-a
18)	Sample	34	G2_4908	8260SOIL 280-26862-c-4-a
19)	Sample	35	G2_4909	8260SOIL 280-26862-c-5-a
20)	Sample	36	G2_4910	8260SOIL 280-26862-c-6-a
21)	Sample	37	G2_4911	8260SOIL 280-26862-c-7-a
22)	Sample	38	G2_4912	8260SOIL 280-26862-c-8-a
23)	Sample	39	G2_4913	8260SOIL 280-26862-c-9-a
24)	Sample	40	G2_4914	8260SOIL 280-26862-c-10-a
25)	Sample	41	G2_4915	8260SOIL 280-26862-c-11-a
26)	Sample	42	G2_4916	8260SOIL 280-26862-c-12-a
27)	Sample	43	G2_4917	8260SOIL 280-26862-c-14-a
28)	Sample	44	G2_4918	8260SOIL 280-26862-c-15-a
29)	Sample	2242 45	G2_4919	8260SOIL 280-26861-b-13-a
30)	Sample	46	G2_4920*	8260SOIL BLK

File Number	IS OK	SS OK	DIL OK	24 hr 12 hr	pH	Comments	ALS

	BFB	
☒	mv-BFB_07	1196807
	MAIN CCV	
☒	mv-main_022	1224324
☒	mv-main gas_027	1304637
☐	mv-acrolein002	905805
	SUPP CCV	
☒	mv-supp_021	1247875
☒	mv- 2 cleve_9	982682
☐	mv- 2-but_002	854550
☐	mv-iodometh_00001	894585
	ICV/LCS/MS/MSD	
☒	mv-524 A_14	1311436
☒	mv-624 A_15	1289612
☒	mv-SS Gas/ke_018	1275400
☐	mv-secsrc B_05	1035338
☐	mv-Secsrc C_15	1289577
☐	mv-SS Supp_09	1169182
☐	mv-SS 2 Cleve_05	1018052
☒	mv-BO mix A_08	1160804
☒	mv-Acrol/Acryl_022	1241413
☐	mv-BO mix B_08	1160780
☐	mv- 2-but_001	731492
	mv-IS/SS_0	
☒	mv-Archon IS_441	1158480
☒	mv-Archon SS_572	1220462

*Run rejected because of poor purge or QC issue. Do not report.

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: G2 Supp 3/23/2012
Calibration Event 8871 Batch 112965/9 (1CIS 6)

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

☐ 524.2 ☐ 624 ☒ 8260B ☐ Other VOA _

VOA Preparation ☒ 5mL ☐ 20mL ☒ 5035 Low ☐ 5035 High ☒ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?	✓			✓	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?			✓	✓	
13. 2nd source ICV recovery 75-125% (±25%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: _____ Date: 3/25/12
2nd Level Reviewer: _____ Date: 3/26/12

High pt: TAME/ETBE 500 ppb
Vinyl acetate 200 ppb
1,2,3-trimethylbenzene 100 ppb

* not calibrated for Ethylene oxide

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument: G2

All IS and SS are within control unless noted.

ISS/MSVOA #: 441/572

DEN-MS-0010 (8260B/624/524.2) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time:

Lims Batch :

Comments:

KJ 3/25/12

Sequence Name: C:\MSDChem\1\sequence\032322I.B.S
Comment:
Operator: REINHARDT
Data Path: C:\MSDCHEM\1\DATA\032312I.B\

Top
Instrument Control
Data Analysis

Pre-Seq Cmd:
Pre-Seq Cmd:
Pre-Seq Cmd:

Top
Instrument Control
Data Analysis

Post-Seq Cmd:
Post-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample Name/Misc Info		Initials	File Number	IS OK	SS OK	DIL OK	24 hr 12 hr	pH	Comments	ALS
1)	Sample	100	G2_4845* BFBSOIL BFB									
2)	Sample	100	G2_4846 BFBSOIL BFB									
3)	Sample	18	G2_4847 8260SOIL IC,,M001									
4)	Sample	19	G2_4848 8260SOIL IC,,M002									
5)	Sample	20	G2_4849 8260SOIL IC,,M005									
6)	Sample	21	G2_4850 8260SOIL IC,,M010									
7)	Sample	22	G2_4851 8260SOIL IC,,M020									
8)	Sample	23	G2_4852 8260SOIL IC,,M050									
9)	Sample	24	G2_4853 8260SOIL IC,,M100									
10)	Sample	25	G2_4854 8260SOIL IC,,M200									
11)	Sample	26	G2_4855 8260SOIL ICV,,B R7									
12)	Sample	27	G2_4856 8260SOIL ICV,,A 524-1/R6									
13)	Sample	28	G2_4857 8260SOIL ICV,,C									
14)	Sample	29	G2_4858 8260SOIL ICV,,A 524-1									
15)	Sample	30	G2_4859 8260SOIL IC,,S002									
16)	Sample	31	G2_4860 8260SOIL IC,,S005									
17)	Sample	32	G2_4861 8260SOIL IC,,S010									
18)	Sample	33	G2_4862 8260SOIL IC,,S020									
19)	Sample	34	G2_4863 8260SOIL ICIS,,S050									
20)	Sample	35	G2_4864 8260SOIL IC,,S100									
21)	Sample	36	G2_4865 8260SOIL IC,,S200									
22)	Sample	37	G2_4866 8260SOIL ICV,,S									

Rerun Main ICal

BFB
- [x] mv-BFB_07 — 1196807

MAIN CCV
- [x] mv-main_022 — 1224324
- [x] mv-main gas_027 — 1304637
- [ ] mv-acrolein002 — 905805

SUPP CCV
- [x] mv-supp_021 — 1247875
- [x] mv- 2 cleve_9 — 982682
- [ ] mv- 2-but_002 — 854550
- [ ] mv-iodometh_00001 — 894585

ICV/LCS/MS/MSD
- [x] mv-524 A_14 — 1311436
- [ ] mv-624 A_15 — 1289612
- [x] mv-SS Gas/ke_018 — 1275400
- [x] mv-secsrc B_05 — 1035338
- [x] mv-Secsrc C_15 — 1289577
- [x] mv-SS Supp_09 — 1169182
- [x] mv-SS 2 Cleve_05 — 1018052
- [x] mv-BO mix A_08 — 1160804
- [x] mv-Acrol/Acryl_022 — 1241413
- [x] mv-BO mix B_08 — 1160780
- [ ] mv- 2-but_001 — 731492

- [ ] mv-IS/SS_0
- [x] mv-Archon IS_441 — 1158480
- [x] mv-Archon SS_572 — 1220462

*Run rejected because of poor purge or QC issue. Do not report.

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: R2 032612 ICV 9-12
Calibration Event 8880 Batch 113151

Check Method Used: Analysis ☐ 524.2 ☐ 624 ☒ 8260B ☐ Other VOA _

VOA Preparation_ ☐ 5mL ☒ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			✓	N/A	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?	✓			✓	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	

~~Acetonitrile +40.0%~~
JS 3/27/12

1st Level Reviewer: J Sut Date: 3/26/12

2nd Level Reviewer: 9/30 Date: 03-28-12

Revision 0
09/28/2010
G:\QA\Edit\Forms|GCMS VOA ICAL

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument: R2

All IS and SS are within control unless noted.

ISS/MSVOA #: N/A

Comments:

DEN-MS-0010 (8260B/624/524.2) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 624 - 1757

Lims Batch : 113157

Sequence Name: C:\HPCHEM\1\SEQUENCE\032612.S
Comment:
Operator: DOBRANSKYM
Data Path: C:\HPCHEM\1\DATA\032612.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name	DIL OK	24 hr / 12 hr	pH	Comments	ALS
1	BFB	100	RR3757	BFBJ	BFB 624					
2	Sample	10	RR3758*	8260J	CCV,,M 5uL - not QX-DNR					
3	Sample	11	RR3759*	8260J	CCV,,S 5uL ok					
4	Sample	12	RR3760	8260J	IC,,M0.3 1.5uL 10uL					
5	Sample	13	RR3761	8260J	IC,,M1.0 5uL 10uL					
6	Sample	14	RR3762	8260J	IC,,M2.0 10uL 10uL					
7	Sample	15	RR3763	8260J	IC,,M5.0 2.5uL					
8	Sample	16	RR3764	8260J	IC,,M10 5uL					
9	Sample	17	RR3765	8260J	IC,,M30 15uL					
10	Sample	18	RR3766	8260J	IC,,M60 30uL					
11	Sample	19	RR3767	8260J	ICV,,MB 5uL					
12	Sample	20	RR3768	8260J	ICV,,MA 5uL					
13	Sample	21	RR3769	8260J	ICV,,MC 5uL					
14	Sample	22	RR3770	8260J	ICV,,MD 5uL					
15	Sample	23	RR3771	8260J	LCS,,2.5uL					
16	Sample	24	RR3772	8260J	LCSD,,2.5uL					
17	Sample	25	RR3773	8260J	MB,,AF					
18	Sample	26	RR3774	8260J	280-26732-b-5,,PH<2					
19	Sample	27	RR3775	8260J	280-26913-b-1,,PH~7					
20	Sample	28	RR3776	8260J	280-26913-a-2,,PH~5!					
21	Sample	29	RR3777	8260J	280-26732-c-5 MS,,PH<2					
22	Sample	30	RR3778	8260J	280-26732-c-5 MSD,,PH<2					
23	Sample	31	RR3779	8260J	280-26732-c-4,,PH<2					
24	Sample	32	RR3780	8260J	280-26732-c-6,,PH<2					
25	Sample	33	RR3781	8260J	280-26732-d-7,,PH<2					
26	Sample	34	RR3782	8260J	280-26732-d-8,,PH<2					
27	Sample	35	RR3783	8260J	280-26732-c-9,,PH<2					
28	Sample	36	RR3784	8260J	280-26747-a-9,,PH<2					
29	Sample	37	RR3785	8260J	280-26747-a-10,,PH<2					
30	Sample	38	RR3786	8260J	280-26747-a-11,,PH<2					

- [x] mv-bfb_00007

MAIN CCV
- [x] mv-main_00022
- [x] mv-main gas_00027
- [x] mv-F114_00001

SUPP CCV
- [x] mv-supp_00021
- [x] mv- 2 cleve_00009

ICV/LCS/MS/MSD
- [x] mv-524 a_00014
- [x] mv-624 a_00015
- [x] mv-SS Gas/ke_00018
- [ ] mv-BO mix A_00008
- [x] mv-acrol/acry_00022
- [x] mv-SecSrc B_00005
- [x] mv-SecSrc C_00015
- [ ] mv-SS Supp_00011
- [ ] mv-SS 2 Cleve_00005
- [ ] mv-2butanol A_00001
- [ ] mv-1,4Dioxane_00017

- [x] mv-Archon IS_00487
- [x] mv-Archon SS_00608

3/28/12

72

*Run rejected because of poor purge or QC issue. Do not report.

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: G 3/26/12 Main 6b/mb/lcs to
Calibration Event 08883 Batch 113188 10/11/12/13

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

☐ 524.2 ☐ 624 ☑ 8260B ☐ Other VOA _

VOA Preparation ☑ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☑ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			✓	N/A	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?			✓	N/A	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	

High pt Bromomethane = 600
Chloroethane = 600
Ethanol = 5000
n butanol = 3000

1st Level Reviewer: _____ Date: 3/27/12
2nd Level Reviewer: _____ Date: 3/27/12

TestAmeric
THE LEADER IN ENVIRONMENTAL TE

Instrument: G

All IS and SS are within control unless noted.

Comments:

ISS/MSVOA #:

DEN-MS-0010 (8260B/624/524.2 (Circl

Purge Volume: (20mL/5mL/5g) (Circl

Tune Time:

Lims Batch :

Sequence Name: C:\HPCHEM\1\SEQUENCE\032612.S
Comment:
Operator: REINHARDT
Data Path: C:\HPCHEM\1\DATA\032612.b\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	G5461	BFBS	BFB
2	Sample	18	G5462	8260S	IC,,M001
3	Sample	19	G5463	8260S	IC,,M002
4	Sample	20	G5464	8260S	IC,,M005
5	Sample	21	G5465	8260S	IC,,M010
6	Sample	22	G5466	8260S	IC,,M020
7	Sample	23	G5467	8260S	IC,,M050
8	Sample	24	G5468	8260S	IC,,M100
9	Sample	25	G5469	8260S	IC,,M200
10	Sample	26	G5470	8260S	ICV,,B
11	Sample	27	G5471	8260S	ICV,,A
12	Sample	28	G5472	8260S	ICV,,C
13	Sample	29	G5473	8260S	ICV,,G
14	Sample	30	G5474	8260S	IC,,S002
15	Sample	31	G5475	8260S	IC,,S005
16	Sample	32	G5476	8260S	IC,,S010
17	Sample	33	G5477	8260S	IC,,S020
18	Sample	34	G5478	8260S	ICIS,,S050
19	Sample	35	G5479	8260S	IC,,S100
20	Sample	36	G5480	8260S	IC,,S200
21	Sample	37	G5481	8260S	ICV,,S
22	Sample	38	G5482	8260S	BLK
23	Sample	39	G5483	8260S	BLK
24					

BFB
- [x] mv-BFB_07

MAIN CCV
- [x] mv-main_022
- [x] mv-main gas_026
- [ ] mv-F114_001

SUPP CCV
- [x] mv-supp_021
- [x] mv- 2 cleve_11

ICV/LCS/MS/MSD
- [x] mv-524 A_13
- [x] mv-624 A_ 14
- [x] mv-SS Gas/ke_018
- [x] mv-secsrc B_05
- [x] mv-Secsrc C_15
- [x] mv-SS Supp_11
- [x] mv-SS 2 Cleve_05
- [x] mv-BO mix A_08
- [x] mv-Acrol/Acryl_021
- [ ] mv-BO mix B_08
- [ ] mv-ss-2butanol A_01
- [ ] mv-ss-1 butanol A_01
- [ ] mv-IS/SS_0
- [x] mv-Archon IS_
- [x] mv-Archon SS_

DIL OK	24 hr 12 hr	pH	Comments

*Run rejected because of poor purge or QC issue. Do not report.

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: G SVPP 4/4/12
Calibration Event 8961 Batch 114253 /60

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____
☐ 524.2 ☐ 624 ☑ 8260B ☐ Other VOA _

VOA Preparation ☑ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☑ 5030 Low ☐ 5030 High

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			✓	N/A	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?			✓	N/A	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	

High pt TAME = 500
T 1,4 D2 B = 100

1st Level Reviewer: _____ Date: 4/4/12
2nd Level Reviewer: _____ Date: 4/5/12

NOT CAL'D FOR
Ethylene Oxide
2 propanol
ETBE
2 Butanol
THF
2 pentanone
2 Nitropropane

Revision 2.3
04/30/2010
G:\QA\Edit\Forms|GCMS ICAL

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sequence Name: C:\HPCHEM\1\SEQUENCE\040412.S
Comment:
Operator: HUBBSL
Data Path: C:\HPCHEM\1\DATA\040412.b\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Instrument: 6

ISS/MSVOA #:

DEN-MS-0010 (8260B/624/524.2) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 0714

Lims Batch :

4/5/12

Line	Type	Vial	DataFile	Method	Sample Name	pH	Comments	ALS
1	Sample	100	G5631	BFBS	BFB 0714			
2	Sample	18	G5632	8260S	CCV,,M1G8			
3	Sample	19	G5633	8260S	IC,,002			
4	Sample	20	G5634	8260S	IC,,005			
5	Sample	21	G5635	8260S	IC,,010			
6	Sample	22	G5636	8260S	IC,,020			
7	Sample	23	G5637	8260S	ICIS,,050			
8	Sample	24	G5638	8260S	IC,,100 LEAK			
9	Sample	25	G5639	8260S	IC,,200			
10	Sample	26	G5640	8260S	ICV,,S			
11	Sample	27	G5641	8260S	LCS NO SURR.			
12	Sample	28	G5642	8260S	IC,,S100			
13	Sample	29	G5643	8260S	LCS			
14	Sample	30	G5644	8260S	LCSD			
15	Sample	31	G5645	8260S	MB			
16	Sample	32	G5646	8260S	280-27123-b-1-a Ist OM SS44			
17	Sample	33	G5647	8260S	280-27123-b-2-a Ist OM SS4			
18	Sample	34	G5648	8260S	280-27123-b-3-a Ist OM SS44			
19	Sample	35	G5649	8260S	280-27021-c-8-a			
20	Sample	36	G5650	8260S	280-27078-j-7-a			
21	Sample	37	G5651	8260S	280-27078-k-7-a ms,5.943,			
22	Sample	38	G5652	8260S	280-27078-l-7-a msd,5.964,			
23	Sample	39	G5653	8260S	280-27219-a-1-a ε RR@MLE			
24	Sample	40	G5654	8260S	280-27219-a-2-a			
25	Sample	41	G5655	8260S	280-27219-a-3-a			
26	Sample	42	G5656	8260S	280-27123-b-6-a			
27	Sample	43	G5657	8260S	280-27123-b-6-b ms,5.024,			
28	Sample	44	G5658	8260S	280-27123-b-6-c msd,5.765,			
29	Sample	45	G5659	8260S	280-27123-b-4-a LEAK (RR)			
30	Sample	46	G5660	8260S	280-27123-b-5-a Ist SS4			
31	Sample	47	G5661	8260S	280-27123-b-7-a Ist SS4			
32	Sample	48	G5662	8260S	280-27123-b-8-a 1905			
33	Sample	49	G5663	8260S	280-27123-b-9-a 1926 (RR)			
34	Sample	50	G5664	8260S	280-27123-b-10-a 1947 (RR) Ist SS4			
35	Sample	51	G5665	8260S	BLK			

BFB
- [x] mv-BFB_07

MAIN CCV
- [x] mv-main_023
- [x] mv-main gas_027
- [ ] mv-F114_001

SUPP CCV
- [x] mv-supp_021
- [x] mv- 2 cleve_11

ICV/LCS/MS/MSD
- [x] mv-524 A_14
- [x] mv-624 A_ 15
- [x] mv-SS Gas/ke_018
- [x] mv-secsrc B_05
- [ ] mv-Secsrc C_15
- [ ] mv-SS Supp_11
- [ ] mv-SS 2 Cleve_05
- [ ] mv-BO mix A_08
- [ ] mv-Acrol/Acryl_021
- [ ] mv-BO mix B_08
- [ ] mv-ss-2butanol A_01
- [ ] mv-ss-1 butanol A_01
- [ ] mv-IS/SS_0
- [x] mv-Archon IS_
- [x] mv-Archon SS_

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	2FP	#	PHL	#	NBZ	#	FBP	#	TBP	#	TPH	#
UNK10101AA	280-27123-1	74		79		69		78		85		88	
UNK10201AA	280-27123-2	83		84		81		82		93		89	
UNK10301AA	280-27123-3	85		89		82		87		96		97	
UNK10401AA	280-27123-4	69	D	71	D	67	D	69	D	84	D	74	D
UNK10501AA	280-27123-5	77	D	78	D	77	D	76	D	93	D	81	D
UNK10502AA	280-27123-6	71		73		70		71		99		100	
UNK10601AA	280-27123-7	77	D	82	D	74	D	78	D	96	D	85	D
UNK10602AA	280-27123-8	81		87		75		83		103		104	
UNK10701AA	280-27123-9	82		85		77		80		91		90	
UNK10702AA	280-27123-10	69		68		63		65		82		82	
	MB 280-113829/1-A	81		82		76		80		83		104	
	LCS 280-113829/2-A	83		82		80		81		91		94	
UNK10301AA MS	280-27123-3 MS	81		84		78		79		93		84	
UNK10301AA MSD	280-27123-3 MSD	82		88		78		87		99		92	

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Column to be used to flag recovery values

FORM II 8270D/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
032712AE	280-27123-11	88	91	87	84	85	111
	MB 280-114056/1-A	94	98	96	84	92	115
	LCS 280-114056/2-A	88	92	92	91	101	104
	LCSD 280-114056/3-A	90	93	94	90	99	103

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	20-110
PHL = Phenol-d5 (Surr)	10-115
NBZ = Nitrobenzene-d5 (Surr)	40-110
FBP = 2-Fluorobiphenyl	50-110
TBP = 2,4,6-Tribromophenol (Surr)	40-125
TPH = Terphenyl-d14 (Surr)	50-135

Column to be used to flag recovery values

FORM II 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D0122.D

Lab ID: LCS 280-113829/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2510	1960	78	45-110	
1,2-Dichlorobenzene	2510	1960	78	45-95	
1,2-Diphenylhydrazine	2540	2270	89	54-120	
1,3-Dichlorobenzene	2510	1920	77	40-100	
1,4-Dichlorobenzene	2510	1970	78	35-105	
2,2'-oxybis[1-chloropropane]	2510	1860	74	20-115	
2,4,5-Trichlorophenol	2510	2360	94	50-110	
2,4,6-Trichlorophenol	2510	2140	85	45-110	
2,4-Dichlorophenol	2510	2060	82	45-110	
2,4-Dimethylphenol	2510	1960	78	30-105	
2,4-Dinitrophenol	2510	1890	75	15-130	
2,4-Dinitrotoluene	2510	2370	94	50-115	
2,6-Dinitrotoluene	2510	2240	89	50-110	
2-Chloronaphthalene	2510	2050	82	45-105	
2-Chlorophenol	2510	2080	83	45-105	
2-Methylnaphthalene	2510	1950	78	45-105	
2-Methylphenol	2510	2090	84	40-105	
2-Nitroaniline	2510	2480	99	45-120	
2-Nitrophenol	2510	2050	82	40-110	
3 & 4 Methylphenol	5020	4380	87	40-105	
3,3'-Dichlorobenzidine	2510	1780	71	10-130	
3-Nitroaniline	2510	2090	83	25-110	
4,6-Dinitro-2-methylphenol	2510	2200	88	30-135	
4-Bromophenyl phenyl ether	2510	2270	91	45-115	
4-Chloro-3-methylphenol	2510	2190	87	45-115	
4-Chloroaniline	2510	1520	61	10-95	
4-Chlorophenyl phenyl ether	2510	2170	87	45-110	
4-Nitroaniline	2510	2340	93	35-115	
4-Nitrophenol	2510	2410	96	15-140	
Acenaphthene	2510	2090	83	45-110	
Acenaphthylene	2510	2130	85	45-105	
Anthracene	2510	2260	90	55-105	
Benzo[a]anthracene	2510	2300	92	50-110	
Benzo[a]pyrene	2510	1920	77	50-110	
Benzo[b]fluoranthene	2510	2000	80	45-115	
Benzo[g,h,i]perylene	2510	2280	91	40-125	
Benzo[k]fluoranthene	2510	2450	98	45-125	
Benzoic acid	2510	1630	65	10-110	
Benzyl alcohol	2510	2160	86	20-125	
Bis(2-chloroethoxy)methane	2510	2010	80	45-110	
Bis(2-chloroethyl)ether	2510	1880	75	40-105	
Bis(2-ethylhexyl) phthalate	2510	2310	92	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D0122.D

Lab ID: LCS 280-113829/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	2510	2260	90	50-125	
Carbazole	2510	2270	91	45-115	
Chrysene	2510	2320	92	55-110	
Dibenz(a,h)anthracene	2510	1590	64	40-125	
Dibenzofuran	2510	2160	86	50-105	
Diethyl phthalate	2510	2330	93	50-115	
Dimethyl phthalate	2510	2290	91	50-110	
Di-n-butyl phthalate	2510	2430	97	55-110	
Di-n-octyl phthalate	2510	2370	95	40-130	
Fluoranthene	2510	2380	95	55-115	
Fluorene	2510	2160	86	50-110	
Hexachlorobenzene	2510	2210	88	45-120	
Hexachlorobutadiene	2510	1910	76	40-115	
Hexachlorocyclopentadiene	2510	1990	79	35-123	
Hexachloroethane	2510	1940	77	35-110	
Indeno[1,2,3-cd]pyrene	2510	2030	81	40-120	
Isophorone	2510	1980	79	45-110	
Naphthalene	2510	1970	78	40-105	
Nitrobenzene	2510	2030	81	40-115	
N-Nitrosodimethylamine	2510	1990	79	20-115	
N-Nitrosodi-n-propylamine	2510	2070	83	40-115	
N-Nitrosodiphenylamine	2140	1900	89	50-115	
Pentachlorophenol	2510	2110	84	25-120	
Phenanthrene	2510	2260	90	50-110	
Phenol	2510	2030	81	40-100	
Pyrene	2510	2270	91	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0120.D

Lab ID: LCS 280-114056/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	80.0	69.9	87	35-105	
1,2-Dichlorobenzene	80.0	63.9	80	35-100	
1,2-Diphenylhydrazine	80.9	82.8	102	55-115	
1,3-Dichlorobenzene	80.0	59.2	74	30-100	
1,4-Dichlorobenzene	80.0	61.6	77	30-100	
2,2'-oxybis[1-chloropropane]	80.0	67.3	84	25-130	
2,4,5-Trichlorophenol	80.0	82.9	104	50-110	
2,4,6-Trichlorophenol	80.0	75.1	94	50-115	
2,4-Dichlorophenol	80.0	75.2	94	50-105	
2,4-Dimethylphenol	80.0	53.2	67	30-110	
2,4-Dinitrophenol	80.0	74.6 J	93	15-140	
2,4-Dinitrotoluene	80.0	84.5	106	50-120	
2,6-Dinitrotoluene	80.0	77.7	97	50-115	
2-Chloronaphthalene	80.0	72.6	91	50-105	
2-Chlorophenol	80.0	74.2	93	35-105	
2-Methylnaphthalene	80.0	68.6	86	45-105	
2-Methylphenol	80.0	69.5	87	40-110	
2-Nitroaniline	80.0	87.1	109	50-115	
2-Nitrophenol	80.0	72.4	91	40-115	
3 & 4 Methylphenol	160	150	94	30-110	
3,3'-Dichlorobenzidine	80.0	57.3	72	20-110	
3-Nitroaniline	80.0	83.4	104	20-125	
4,6-Dinitro-2-methylphenol	80.0	82.3	103	40-130	
4-Bromophenyl phenyl ether	80.0	80.5	101	50-115	
4-Chloro-3-methylphenol	80.0	77.3	97	45-110	
4-Chloroaniline	80.0	70.1	88	15-110	
4-Chlorophenyl phenyl ether	80.0	78.9	99	50-110	
4-Nitroaniline	80.0	83.5	104	35-120	
4-Nitrophenol	80.0	84.4	106	10-125	
Acenaphthene	80.0	74.1	93	45-110	
Acenaphthylene	80.0	75.9	95	50-105	
Anthracene	80.0	79.7	100	55-110	
Benzo[a]anthracene	80.0	82.7	103	55-110	
Benzo[a]pyrene	80.0	65.7	82	55-110	
Benzo[b]fluoranthene	80.0	70.9	89	45-120	
Benzo[g,h,i]perylene	80.0	82.0	102	40-125	
Benzo[k]fluoranthene	80.0	84.0	105	45-125	
Benzoic acid	80.0	68.2 J	85	10-125	
Benzyl alcohol	80.0	75.9	95	30-110	
Bis(2-chloroethoxy)methane	80.0	71.2	89	45-105	
Bis(2-chloroethyl)ether	80.0	71.2	89	35-110	
Bis(2-ethylhexyl) phthalate	80.0	81.8	102	40-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0120.D

Lab ID: LCS 280-114056/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	80.0	78.6	98	45-115	
Carbazole	80.0	82.4	103	50-115	
Chrysene	80.0	83.5	104	55-110	
Dibenz(a,h)anthracene	80.0	57.7	72	40-125	
Dibenzofuran	80.0	75.8	95	55-105	
Diethyl phthalate	80.0	82.7	103	40-120	
Dimethyl phthalate	80.0	81.8	102	25-125	
Di-n-butyl phthalate	80.0	86.3	108	55-115	
Di-n-octyl phthalate	80.0	83.6	105	35-135	
Fluoranthene	80.0	85.3	107	55-115	
Fluorene	80.0	78.1	98	50-110	
Hexachlorobenzene	80.0	78.8	99	50-110	
Hexachlorobutadiene	80.0	65.6	82	25-105	
Hexachlorocyclopentadiene	80.0	29.4 J	37	10-82	
Hexachloroethane	80.0	59.7	75	30-95	
Indeno[1,2,3-cd]pyrene	80.0	73.8	92	45-125	
Isophorone	80.0	72.5	91	50-110	
Naphthalene	80.0	69.2	87	40-100	
Nitrobenzene	80.0	73.1	91	45-110	
N-Nitrosodimethylamine	80.0	73.2	91	25-110	
N-Nitrosodi-n-propylamine	80.0	74.0	93	35-130	
N-Nitrosodiphenylamine	68.3	64.0	94	50-110	
Pentachlorophenol	80.0	75.3 J	94	40-115	
Phenanthrene	80.0	80.2	100	50-115	
Phenol	80.0	72.7	91	10-115	
Pyrene	80.0	80.7	101	50-130	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0121.D

Lab ID: LCSD 280-114056/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	80.0	68.2	85	2.33	30	35-105	
1,2-Dichlorobenzene	80.0	58.6	73	8.67	30	35-100	
1,2-Diphenylhydrazine	80.9	81.5	101	1.54	30	55-115	
1,3-Dichlorobenzene	80.0	53.0	66	11.1	30	30-100	
1,4-Dichlorobenzene	80.0	55.5	69	10.5	30	30-100	
2,2'-oxybis[1-chloropropane]	80.0	69.2	87	2.79	30	25-130	
2,4,5-Trichlorophenol	80.0	84.4	105	1.74	30	50-110	
2,4,6-Trichlorophenol	80.0	77.0	96	2.54	30	50-115	
2,4-Dichlorophenol	80.0	76.5	96	1.69	30	50-105	
2,4-Dimethylphenol	80.0	54.9	69	3.18	30	30-110	
2,4-Dinitrophenol	80.0	74.5 J	93	0.000	30	15-140	
2,4-Dinitrotoluene	80.0	84.0	105	1.00	30	50-120	
2,6-Dinitrotoluene	80.0	78.9	99	1.53	30	50-115	
2-Chloronaphthalene	80.0	75.1	94	3.38	30	50-105	
2-Chlorophenol	80.0	75.5	94	1.77	30	35-105	
2-Methylnaphthalene	80.0	70.0	87	2.00	30	45-105	
2-Methylphenol	80.0	72.6	91	4.33	30	40-110	
2-Nitroaniline	80.0	88.3	110	1.38	30	50-115	
2-Nitrophenol	80.0	77.5	97	6.78	30	40-115	
3 & 4 Methylphenol	160	156	97	3.76	30	30-110	
3,3'-Dichlorobenzidine	80.0	57.4	72	0.000	30	20-110	
3-Nitroaniline	80.0	83.0	104	1.00	30	20-125	
4,6-Dinitro-2-methylphenol	80.0	82.8	104	1.00	30	40-130	
4-Bromophenyl phenyl ether	80.0	80.5	101	0.000	30	50-115	
4-Chloro-3-methylphenol	80.0	78.7	98	1.75	30	45-110	
4-Chloroaniline	80.0	73.9	92	5.21	30	15-110	
4-Chlorophenyl phenyl ether	80.0	78.8	99	0.000	30	50-110	
4-Nitroaniline	80.0	87.2	109	4.26	30	35-120	
4-Nitrophenol	80.0	86.9	109	2.92	30	10-125	
Acenaphthene	80.0	76.4	96	3.15	30	45-110	
Acenaphthylene	80.0	77.2	96	1.67	30	50-105	
Anthracene	80.0	80.5	101	1.00	30	55-110	
Benzo[a]anthracene	80.0	80.2	100	3.11	30	55-110	
Benzo[a]pyrene	80.0	67.0	84	1.89	30	55-110	
Benzo[b]fluoranthene	80.0	74.6	93	5.13	30	45-120	
Benzo[g,h,i]perylene	80.0	81.4	102	1.00	30	40-125	
Benzo[k]fluoranthene	80.0	80.7	101	3.95	30	45-125	
Benzoic acid	80.0	64.6 J	81	5.48	30	10-125	
Benzyl alcohol	80.0	79.3	99	4.37	30	30-110	
Bis(2-chloroethoxy)methane	80.0	75.3	94	5.65	30	45-105	
Bis(2-chloroethyl)ether	80.0	67.6	84	5.23	30	35-110	
Bis(2-ethylhexyl) phthalate	80.0	80.7	101	1.28	30	40-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D0121.D

Lab ID: LCSD 280-114056/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Butyl benzyl phthalate	80.0	77.9	97	1.00	30	45-115	
Carbazole	80.0	82.6	103	0.000	30	50-115	
Chrysene	80.0	81.9	102	1.89	30	55-110	
Dibenz(a,h)anthracene	80.0	57.4	72	1.00	30	40-125	
Dibenzofuran	80.0	77.7	97	2.45	30	55-105	
Diethyl phthalate	80.0	83.4	104	1.00	30	40-120	
Dimethyl phthalate	80.0	82.5	103	1.00	30	25-125	
Di-n-butyl phthalate	80.0	86.3	108	0.000	30	55-115	
Di-n-octyl phthalate	80.0	82.8	103	1.08	30	35-135	
Fluoranthene	80.0	84.1	105	1.42	30	55-115	
Fluorene	80.0	77.8	97	0.000	30	50-110	
Hexachlorobenzene	80.0	80.0	100	1.53	30	50-110	
Hexachlorobutadiene	80.0	62.1	78	5.45	30	25-105	
Hexachlorocyclopentadiene	80.0	29.9 J	37	1.95	30	10-82	
Hexachloroethane	80.0	51.2	64	15.4	30	30-95	
Indeno[1,2,3-cd]pyrene	80.0	72.4	91	1.87	30	45-125	
Isophorone	80.0	74.9	94	3.29	30	50-110	
Naphthalene	80.0	70.0	87	1.07	30	40-100	
Nitrobenzene	80.0	75.3	94	2.87	30	45-110	
N-Nitrosodimethylamine	80.0	76.8	96	4.83	30	25-110	
N-Nitrosodi-n-propylamine	80.0	76.3	95	3.02	30	35-130	
N-Nitrosodiphenylamine	68.3	65.3	96	1.97	30	50-110	
Pentachlorophenol	80.0	75.2 J	94	0.000	30	40-115	
Phenanthrene	80.0	81.1	101	1.14	30	50-115	
Phenol	80.0	74.0	92	1.81	30	10-115	
Pyrene	80.0	79.9	100	1.10	30	50-130	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D0143.D

Lab ID: 280-27123-3 MS Client ID: UNK10301AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	3900	51 U	2960	76	45-110	
1,2-Dichlorobenzene	3900	51 U	2830	73	45-95	
1,2-Diphenylhydrazine	3940	51 U	3290	83	54-120	
1,3-Dichlorobenzene	3900	51 U	2620	67	40-100	
1,4-Dichlorobenzene	3900	51 U	2710	70	35-105	
2,2'-oxybis[1-chloropropane]	3900	51 U	2890	74	20-115	
2,4,5-Trichlorophenol	3900	200 U	3690	95	50-110	
2,4,6-Trichlorophenol	3900	100 U	3430	88	45-110	
2,4-Dichlorophenol	3900	100 U	3550	91	45-110	
2,4-Dimethylphenol	3900	200 U	3410	87	30-105	
2,4-Dinitrophenol	3900	1000 U	2460	63	15-130	
2,4-Dinitrotoluene	3900	200 U	3350	86	50-115	
2,6-Dinitrotoluene	3900	100 U	3260	84	50-110	
2-Chloronaphthalene	3900	51 U	3220	82	45-105	
2-Chlorophenol	3900	51 U	3240	83	45-105	
2-Methylnaphthalene	3900	51 U	3080	79	45-105	
2-Methylphenol	3900	51 U	3260	84	40-105	
2-Nitroaniline	3900	100 U	3840	98	45-120	
2-Nitrophenol	3900	100 U	3300	85	40-110	
3 & 4 Methylphenol	7800	100 U	6960	89	40-105	
3,3'-Dichlorobenzidine	3900	510 U	480 U	0	10-130	J
3-Nitroaniline	3900	210 U	1470 J	38	25-110	
4,6-Dinitro-2-methylphenol	3900	1000 U	2370	61	30-135	
4-Bromophenyl phenyl ether	3900	51 U	3340	86	45-115	
4-Chloro-3-methylphenol	3900	200 U	3610	93	45-115	
4-Chloroaniline	3900	200 U	656	17	10-95	
4-Chlorophenyl phenyl ether	3900	100 U	3300	85	45-110	
4-Nitroaniline	3900	200 U	1410 J	36	35-115	
4-Nitrophenol	3900	510 U	3780	97	15-140	
Acenaphthene	3900	33 J	3250	82	45-110	
Acenaphthylene	3900	51 U	3280	84	45-105	
Anthracene	3900	91 J	3300	82	55-105	
Benzo[a]anthracene	3900	190 J	3320	80	50-110	
Benzo[a]pyrene	3900	250 J	2800	65	50-110	
Benzo[b]fluoranthene	3900	460 J	3350	74	45-115	
Benzo[g,h,i]perylene	3900	230 J	3410	82	40-125	
Benzo[k]fluoranthene	3900	100 U	3070	79	45-125	
Benzoic acid	3900	4400	4780	10	10-110	
Benzyl alcohol	3900	130 J	3540	88	20-125	
Bis(2-chloroethoxy)methane	3900	100 U	3090	79	45-110	
Bis(2-chloroethyl)ether	3900	51 U	3180	81	40-105	
Bis(2-ethylhexyl) phthalate	3900	100 U	3540	91	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D0143.D

Lab ID: 280-27123-3 MS Client ID: UNK10301AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	3900	100 U	3270	84	50-125	
Carbazole	3900	100 U	3170	81	45-115	
Chrysene	3900	250 J	3410	81	55-110	
Dibenz(a,h)anthracene	3900	210 J	2350	55	40-125	
Dibenzofuran	3900	51 U	3370	87	50-105	
Diethyl phthalate	3900	51 U	3440	88	50-115	
Dimethyl phthalate	3900	51 U	3310	85	50-110	
Di-n-butyl phthalate	3900	100 J	3740	93	55-110	
Di-n-octyl phthalate	3900	100 U	3730	96	40-130	
Fluoranthene	3900	380 J	3730	86	55-115	
Fluorene	3900	49 J	3380	85	50-110	
Hexachlorobenzene	3900	100 U	3280	84	45-120	
Hexachlorobutadiene	3900	100 U	2950	76	40-115	
Hexachlorocyclopentadiene	3900	100 U	1020 J	26	35-123	J
Hexachloroethane	3900	51 U	2250	58	35-110	
Indeno[1,2,3-cd]pyrene	3900	190 J	3040	73	40-120	
Isophorone	3900	51 U	3180	82	45-110	
Naphthalene	3900	100 U	3040	78	40-105	
Nitrobenzene	3900	51 U	3050	78	40-115	
N-Nitrosodimethylamine	3900	100 U	2680	69	20-115	
N-Nitrosodi-n-propylamine	3900	100 U	3220	83	40-115	
N-Nitrosodiphenylamine	3330	51 U	2670	80	50-115	
Pentachlorophenol	3900	1000 U	3630	93	25-120	
Phenanthrene	3900	290 J	3520	83	50-110	
Phenol	3900	51 U	3230	83	40-100	
Pyrene	3900	320 J	3330	77	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D0144.D

Lab ID: 280-27123-3 MSD Client ID: UNK10301AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	3900	3020	78	2.16	30	45-110	
1,2-Dichlorobenzene	3900	2610	67	8.13	30	45-95	
1,2-Diphenylhydrazine	3940	3510	89	6.64	30	54-120	
1,3-Dichlorobenzene	3900	2450	63	6.65	30	40-100	
1,4-Dichlorobenzene	3900	2530	65	6.82	30	35-105	
2,2'-oxybis[1-chloropropane]	3900	2860	73	1.22	30	20-115	
2,4,5-Trichlorophenol	3900	3860	99	4.57	30	50-110	
2,4,6-Trichlorophenol	3900	3710	95	7.68	30	45-110	
2,4-Dichlorophenol	3900	3650	94	2.83	30	45-110	
2,4-Dimethylphenol	3900	3650	94	6.86	30	30-105	
2,4-Dinitrophenol	3900	2660	68	7.80	30	15-130	
2,4-Dinitrotoluene	3900	3560	91	6.09	30	50-115	
2,6-Dinitrotoluene	3900	3460	89	5.94	30	50-110	
2-Chloronaphthalene	3900	3330	85	3.57	30	45-105	
2-Chlorophenol	3900	3300	85	1.86	30	45-105	
2-Methylnaphthalene	3900	3210	82	3.97	30	45-105	
2-Methylphenol	3900	3420	88	4.79	30	40-105	
2-Nitroaniline	3900	3990	102	3.78	30	45-120	
2-Nitrophenol	3900	3360	86	1.93	30	40-110	
3 & 4 Methylphenol	7800	7360	94	5.53	30	40-105	
3,3'-Dichlorobenzidine	3900	480 U	0	NC	30	10-130	J
3-Nitroaniline	3900	1270 J	33	14.1	30	25-110	
4,6-Dinitro-2-methylphenol	3900	2580	66	8.42	30	30-135	
4-Bromophenyl phenyl ether	3900	3630	93	8.37	30	45-115	
4-Chloro-3-methylphenol	3900	3820	98	5.62	30	45-115	
4-Chloroaniline	3900	529	14	21.4	30	10-95	
4-Chlorophenyl phenyl ether	3900	3540	91	6.94	30	45-110	
4-Nitroaniline	3900	1080 J	28	26.6	30	35-115	J
4-Nitrophenol	3900	3950	101	4.33	30	15-140	
Acenaphthene	3900	3480	88	7.06	30	45-110	
Acenaphthylene	3900	3530	91	7.30	30	45-105	
Anthracene	3900	3620	91	9.30	30	55-105	
Benzo[a]anthracene	3900	3640	88	9.01	30	50-110	
Benzo[a]pyrene	3900	3050	72	8.63	30	50-110	
Benzo[b]fluoranthene	3900	3290	72	1.82	30	45-115	
Benzo[g,h,i]perylene	3900	3780	91	10.3	30	40-125	
Benzo[k]fluoranthene	3900	3730	96	19.5	30	45-125	
Benzoic acid	3900	5160	20	7.53	30	10-110	
Benzyl alcohol	3900	3660	91	3.35	30	20-125	
Bis(2-chloroethoxy)methane	3900	3190	82	3.37	30	45-110	
Bis(2-chloroethyl)ether	3900	2780	71	13.3	30	40-105	
Bis(2-ethylhexyl) phthalate	3900	3850	99	8.16	30	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D0144.D

Lab ID: 280-27123-3 MSD Client ID: UNK10301AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Butyl benzyl phthalate	3900	3520	90	7.34	30	50-125	
Carbazole	3900	3500	90	10.0	30	45-115	
Chrysene	3900	3710	89	8.45	30	55-110	
Dibenz(a,h)anthracene	3900	2510	59	6.42	30	40-125	
Dibenzofuran	3900	3670	94	8.28	30	50-105	
Diethyl phthalate	3900	3640	93	5.69	30	50-115	
Dimethyl phthalate	3900	3560	91	7.39	30	50-110	
Di-n-butyl phthalate	3900	4090	102	8.76	30	55-110	
Di-n-octyl phthalate	3900	3970	102	6.16	30	40-130	
Fluoranthene	3900	4200	98	12.1	30	55-115	
Fluorene	3900	3590	91	6.13	30	50-110	
Hexachlorobenzene	3900	3570	92	8.56	30	45-120	
Hexachlorobutadiene	3900	2980	76	1.00	30	40-115	
Hexachlorocyclopentadiene	3900	1380 J	35	30.0	30	35-123	
Hexachloroethane	3900	2210	57	2.02	30	35-110	
Indeno[1,2,3-cd]pyrene	3900	3350	81	9.70	30	40-120	
Isophorone	3900	3260	84	2.41	30	45-110	
Naphthalene	3900	3110	80	2.20	30	40-105	
Nitrobenzene	3900	3030	78	1.00	30	40-115	
N-Nitrosodimethylamine	3900	2510	64	6.47	30	20-115	
N-Nitrosodi-n-propylamine	3900	3210	82	0.000	30	40-115	
N-Nitrosodiphenylamine	3330	2910	88	8.59	30	50-115	
Pentachlorophenol	3900	3820	98	4.99	30	25-120	
Phenanthrene	3900	3920	93	10.7	30	50-110	
Phenol	3900	3370	86	4.18	30	40-100	
Pyrene	3900	3670	86	9.69	30	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: D0139.D Lab Sample ID: MB 280-113829/1-A

Matrix: Solid Date Extracted: 03/31/2012 13:17

Instrument ID: MSS_D Date Analyzed: 04/18/2012 21:31

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-113829/2-A	D0122.D	04/18/2012 16:17
UNK10101AA	280-27123-1	D0140.D	04/18/2012 21:50
UNK10201AA	280-27123-2	D0141.D	04/18/2012 22:09
UNK10301AA	280-27123-3	D0142.D	04/18/2012 22:28
UNK10301AA MS	280-27123-3 MS	D0143.D	04/18/2012 22:47
UNK10301AA MSD	280-27123-3 MSD	D0144.D	04/18/2012 23:06
UNK10401AA	280-27123-4	D0145.D	04/18/2012 23:25
UNK10501AA	280-27123-5	D0146.D	04/18/2012 23:44
UNK10502AA	280-27123-6	D0147.D	04/19/2012 00:02
UNK10601AA	280-27123-7	D0148.D	04/19/2012 00:21
UNK10602AA	280-27123-8	D0149.D	04/19/2012 00:40
UNK10701AA	280-27123-9	D0150.D	04/19/2012 00:59
UNK10702AA	280-27123-10	D0151.D	04/19/2012 01:18

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: D0125.D Lab Sample ID: MB 280-114056/1-A

Matrix: Water Date Extracted: 04/03/2012 11:45

Instrument ID: MSS_D Date Analyzed: 04/18/2012 17:05

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-114056/2-A	D0120.D	04/18/2012 15:39
	LCSD 280-114056/3-A	D0121.D	04/18/2012 15:58
032712AE	280-27123-11	D0126.D	04/18/2012 17:24

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: D0093.D DFTPP Injection Date: 04/18/2012

Instrument ID: MSS_D DFTPP Injection Time: 07:12

Analysis Batch No.: 115987

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	36.7	
68	Less than 2.0 % of mass 69	0.0	(0.1)1
69	Mass 69 relative abundance	43.5	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	54.3	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	27.1	
365	Greater than 1.0 % of mass 198	5.4	
441	Present but less than mass 443	9.0	(73.2)1
442	Greater than 40.0 % of mass 198	63.0	
443	17.0 - 23.0 % of mass 442	12.3	(19.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-115987/2	D0094.D	04/18/2012	07:24
	IC 280-115987/3	D0095.D	04/18/2012	07:43
	IC 280-115987/4	D0096.D	04/18/2012	08:01
	ICIS 280-115987/5	D0097.D	04/18/2012	08:19
	IC 280-115987/6	D0098.D	04/18/2012	08:38
	IC 280-115987/7	D0099.D	04/18/2012	08:56
	IC 280-115987/8	D0100.D	04/18/2012	09:14
	ICV 280-115987/9	D0101.D	04/18/2012	09:33
	ICV 280-115987/10	D0102.D	04/18/2012	09:52

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: D0093.D DFTPP Injection Date: 04/18/2012

Instrument ID: MSS_D DFTPP Injection Time: 07:12

Analysis Batch No.: 116104

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	36.7	
68	Less than 2.0 % of mass 69	0.0	(0.1)1
69	Mass 69 relative abundance	43.5	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	54.3	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	27.1	
365	Greater than 1.0 % of mass 198	5.4	
441	Present but less than mass 443	9.0	(73.2)1
442	Greater than 40.0 % of mass 198	63.0	
443	17.0 - 23.0 % of mass 442	12.3	(19.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-116104/2	D0103.D	04/18/2012	10:12
	IC 280-116104/3	D0104.D	04/18/2012	10:32
	IC 280-116104/4	D0105.D	04/18/2012	10:51
	ICIS 280-116104/5	D0106.D	04/18/2012	11:10
	IC 280-116104/6	D0107.D	04/18/2012	11:29
	IC 280-116104/7	D0108.D	04/18/2012	11:48
	IC 280-116104/8	D0109.D	04/18/2012	12:07
	IC 280-116104/9	D0110.D	04/18/2012	12:26
	ICV 280-116104/10	D0111.D	04/18/2012	12:45
	ICV 280-116104/11	D0112.D	04/18/2012	13:04
	ICV 280-116104/12	D0113.D	04/18/2012	13:23
	ICV 280-116104/13	D0114.D	04/18/2012	13:43

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab File ID: D0115.D DFTPP Injection Date: 04/18/2012

Instrument ID: MSS_D DFTPP Injection Time: 14:07

Analysis Batch No.: 116156

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.9	
68	Less than 2.0 % of mass 69	0.2	(0.4)1
69	Mass 69 relative abundance	48.9	
70	Less than 2.0 % of mass 69	0.3	(0.5)1
127	40.0 - 60.0 % of mass 198	58.2	
197	Less than 1.0 % of mass 198	0.1	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	26.1	
365	Greater than 1.0 % of mass 198	4.5	
441	Present but less than mass 443	7.7	(73.7)1
442	Greater than 40.0 % of mass 198	52.9	
443	17.0 - 23.0 % of mass 442	10.4	(19.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-116156/2	D0116.D	04/18/2012	14:20
	CCV 280-116156/3	D0117.D	04/18/2012	14:39
	LCS 280-114056/2-A	D0120.D	04/18/2012	15:39
	LCSD 280-114056/3-A	D0121.D	04/18/2012	15:58
	LCS 280-113829/2-A	D0122.D	04/18/2012	16:17
	MB 280-114056/1-A	D0125.D	04/18/2012	17:05
032712AE	280-27123-11	D0126.D	04/18/2012	17:24
	MB 280-113829/1-A	D0139.D	04/18/2012	21:31
UNK10101AA	280-27123-1	D0140.D	04/18/2012	21:50
UNK10201AA	280-27123-2	D0141.D	04/18/2012	22:09
UNK10301AA	280-27123-3	D0142.D	04/18/2012	22:28
UNK10301AA MS	280-27123-3 MS	D0143.D	04/18/2012	22:47
UNK10301AA MSD	280-27123-3 MSD	D0144.D	04/18/2012	23:06
UNK10401AA	280-27123-4	D0145.D	04/18/2012	23:25
UNK10501AA	280-27123-5	D0146.D	04/18/2012	23:44
UNK10502AA	280-27123-6	D0147.D	04/19/2012	00:02
UNK10601AA	280-27123-7	D0148.D	04/19/2012	00:21
UNK10602AA	280-27123-8	D0149.D	04/19/2012	00:40
UNK10701AA	280-27123-9	D0150.D	04/19/2012	00:59
UNK10702AA	280-27123-10	D0151.D	04/19/2012	01:18

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: ICIS 280-115987/5 Date Analyzed: 04/18/2012 08:19

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

Lab File ID (Standard): D0097.D Heated Purge: (Y/N) N

Calibration ID: 9102

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		211786	4.02	756158	5.19	475687	6.87
UPPER LIMIT		423572	4.52	1512316	5.69	951374	7.37
LOWER LIMIT		105893	3.52	378079	4.69	237844	6.37
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-115987/9		204503	4.02	751490	5.20	475048	6.87
ICV 280-115987/10		209577	4.02	752999	5.19	486033	6.87
CCV 280-116156/3		206265	4.02	748379	5.19	472262	6.86

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

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

Column used to flag values outside QC limits

FORM VIII 8270D/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: ICIS 280-115987/5 Date Analyzed: 04/18/2012 08:19

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

Lab File ID (Standard): D0097.D Heated Purge: (Y/N) N

Calibration ID: 9102

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		849658	8.20	955287	10.51	854447	11.78
UPPER LIMIT		1699316	8.70	1910574	11.01	1708894	12.28
LOWER LIMIT		424829	7.70	477644	10.01	427224	11.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-115987/9		844133	8.20	1071745	10.51	860203	11.78
ICV 280-115987/10		880439	8.20	967484	10.51	855500	11.78
CCV 280-116156/3		848313	8.20	940540	10.54	815473	11.85

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

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

Column used to flag values outside QC limits

FORM VIII 8270D/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: ICIS 280-116104/5 Date Analyzed: 04/18/2012 11:10

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

Lab File ID (Standard): D0106.D Heated Purge: (Y/N) N

Calibration ID: 9109

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		214887	4.02	775811	5.19	485631	6.87
UPPER LIMIT		429774	4.52	1551622	5.69	971262	7.37
LOWER LIMIT		107444	3.52	387906	4.69	242816	6.37
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-116104/10		220239	4.02	793308	5.19	484154	6.87
ICV 280-116104/11		208034	4.02	754023	5.19	475870	6.86
ICV 280-116104/12		211372	4.02	766265	5.19	472418	6.86
ICV 280-116104/13		197269	4.02	718825	5.19	443384	6.87
CCV 280-116156/2		204167	4.02	742715	5.19	458362	6.87
LCS 280-114056/2-A		216070	4.02	797873	5.19	499296	6.87
LCSD 280-114056/3-A		216264	4.02	787500	5.19	496717	6.86
LCS 280-113829/2-A		210613	4.02	781731	5.19	493728	6.87
MB 280-114056/1-A		207418	4.02	737049	5.19	468586	6.87
280-27123-11	032712AE	203777	4.02	747949	5.19	469514	6.87
MB 280-113829/1-A		204392	4.02	754475	5.19	478093	6.86
280-27123-1	UNK10101AA	212809	4.01	776626	5.19	491832	6.86
280-27123-2	UNK10201AA	230794	4.02	828205	5.19	530730	6.86
280-27123-3	UNK10301AA	228986	4.02	833518	5.19	530874	6.87
280-27123-3 MS	UNK10301AA MS	235575	4.02	861141	5.19	548777	6.87
280-27123-3 MSD	UNK10301AA MSD	241607	4.02	874723	5.19	556815	6.87
280-27123-4	UNK10401AA	237561	4.02	860979	5.19	547058	6.86
280-27123-5	UNK10501AA	232802	4.02	830043	5.19	530930	6.86
280-27123-6	UNK10502AA	235357	4.02	836998	5.19	526470	6.86
280-27123-7	UNK10601AA	233580	4.02	831539	5.19	527466	6.86
280-27123-8	UNK10602AA	233406	4.02	857870	5.19	538370	6.86
280-27123-9	UNK10701AA	231889	4.02	845436	5.19	543464	6.87
280-27123-10	UNK10702AA	230257	4.02	852615	5.19	537833	6.86

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

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

Column used to flag values outside QC limits

FORM VIII 8270D/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: ICIS 280-116104/5 Date Analyzed: 04/18/2012 11:10

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

Lab File ID (Standard): D0106.D Heated Purge: (Y/N) N

Calibration ID: 9109

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		872524	8.20	1056378	10.52	885987	11.82
UPPER LIMIT		1745048	8.70	2112756	11.02	1771974	12.32
LOWER LIMIT		436262	7.70	528189	10.02	442994	11.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-116104/10		884408	8.20	1075377	10.52	905984	11.80
ICV 280-116104/11		856034	8.19	1014987	10.52	853128	11.81
ICV 280-116104/12		843655	8.19	949491	10.52	834753	11.81
ICV 280-116104/13		786252	8.20	857064	10.51	760389	11.80
CCV 280-116156/2		820844	8.20	1015828	10.53	854951	11.84
LCS 280-114056/2-A		894139	8.20	1094480	10.52	940326	11.80
LCSD 280-114056/3-A		890055	8.19	1105445	10.51	929402	11.80
LCS 280-113829/2-A		885185	8.20	1082526	10.52	921335	11.81
MB 280-114056/1-A		860563	8.20	940934	10.51	855884	11.80
280-27123-11	032712AE	861077	8.20	955877	10.51	847111	11.79
MB 280-113829/1-A		871529	8.19	988628	10.49	876168	11.75
280-27123-1	UNK10101AA	898444	8.19	1084460	10.50	982956	11.77
280-27123-2	UNK10201AA	971361	8.19	1193820	10.50	1097664	11.77
280-27123-3	UNK10301AA	949224	8.20	1158066	10.50	1072523	11.77
280-27123-3 MS	UNK10301AA MS	1002954	8.20	1274487	10.49	1121388	11.75
280-27123-3 MSD	UNK10301AA MSD	998185	8.20	1294648	10.50	1156171	11.77
280-27123-4	UNK10401AA	974816	8.19	1170802	10.50	1113510	11.76
280-27123-5	UNK10501AA	967044	8.19	1136644	10.50	1062346	11.76
280-27123-6	UNK10502AA	974612	8.20	1123590	10.50	1045329	11.77
280-27123-7	UNK10601AA	959311	8.19	1120150	10.51	1048838	11.78
280-27123-8	UNK10602AA	980221	8.20	1125678	10.50	1063892	11.77
280-27123-9	UNK10701AA	966769	8.20	1154529	10.51	1084741	11.78
280-27123-10	UNK10702AA	965222	8.19	1145972	10.49	1084530	11.74

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

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

Column used to flag values outside QC limits

FORM VIII 8270D/DOD

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA | Lab Sample ID: 280-27123-1

Matrix: Solid | Lab File ID: D0140.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 09:55

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.0(g) | Date Analyzed: 04/18/2012 21:50

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

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

% Moisture: 35.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	51	U	510	51	78
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	510	100	76
120-82-1	1,2,4-Trichlorobenzene	51	U	510	51	44
95-50-1	1,2-Dichlorobenzene	51	U	510	51	34
122-66-7	1,2-Diphenylhydrazine	51	U	510	51	34
541-73-1	1,3-Dichlorobenzene	51	U	510	51	19
106-46-7	1,4-Dichlorobenzene	51	U	510	51	21
108-60-1	2,2'-oxybis[1-chloropropane]	51	U	510	51	36
58-90-2	2,3,4,6-Tetrachlorophenol	51	U	2500	51	210
95-95-4	2,4,5-Trichlorophenol	200	U	510	200	16
88-06-2	2,4,6-Trichlorophenol	100	U	510	100	16
120-83-2	2,4-Dichlorophenol	100	U	510	100	16
105-67-9	2,4-Dimethylphenol	200	U	510	200	100
51-28-5	2,4-Dinitrophenol	1000	U	2500	1000	520
121-14-2	2,4-Dinitrotoluene	200	U	510	200	100
87-65-0	2,6-Dichlorophenol	200	U	510	200	110
606-20-2	2,6-Dinitrotoluene	100	U	510	100	44
91-58-7	2-Chloronaphthalene	51	U	510	51	16
95-57-8	2-Chlorophenol	51	U	510	51	33
91-57-6	2-Methylnaphthalene	51	U	510	51	30
95-48-7	2-Methylphenol	51	U	510	51	20
88-74-4	2-Nitroaniline	100	U	2500	100	78
88-75-5	2-Nitrophenol	100	U	510	100	16
15831-10-4	3 & 4 Methylphenol	100	U	510	100	51
91-94-1	3,3'-Dichlorobenzidine	510	U	2500	510	140
99-09-2	3-Nitroaniline	210	U	2500	210	110
534-52-1	4,6-Dinitro-2-methylphenol	1000	U	2500	1000	510
101-55-3	4-Bromophenyl phenyl ether	51	U	510	51	30
59-50-7	4-Chloro-3-methylphenol	200	U	510	200	100
106-47-8	4-Chloroaniline	200	U	510	200	130
7005-72-3	4-Chlorophenyl phenyl ether	100	U	510	100	33
100-01-6	4-Nitroaniline	200	U	2500	200	110
100-02-7	4-Nitrophenol	510	U	2500	510	150
83-32-9	Acenaphthene	31	J	510	27	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA | Lab Sample ID: 280-27123-1

Matrix: Solid | Lab File ID: D0140.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 09:55

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.0(g) | Date Analyzed: 04/18/2012 21:50

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

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

% Moisture: 35.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	42	J	510	51	27
98-86-2	Acetophenone	51	U	510	51	31
120-12-7	Anthracene	86	J	510	51	27
1912-24-9	Atrazine	200	U	510	200	58
100-52-7	Benzaldehyde	100	U	510	100	61
92-87-5	Benzidine	6200	U	6200	6200	1500
56-55-3	Benzo[a]anthracene	270	J	510	51	31
50-32-8	Benzo[a]pyrene	370	J	510	51	31
205-99-2	Benzo[b]fluoranthene	770	K	510	51	41
191-24-2	Benzo[g,h,i]perylene	280	J	510	51	25
207-08-9	Benzo[k]fluoranthene	100	U K	510	100	62
65-85-0	Benzoic acid	1000	U	2500	1000	510
100-51-6	Benzyl alcohol	52	J	510	51	16
111-91-1	Bis(2-chloroethoxy)methane	100	U	510	100	36
111-44-4	Bis(2-chloroethyl)ether	51	U	510	51	26
117-81-7	Bis(2-ethylhexyl) phthalate	100	U	510	100	72
85-68-7	Butyl benzyl phthalate	100	U	510	100	67
105-60-2	Caprolactam	510	U	2500	510	170
86-74-8	Carbazole	100	U	510	100	56
218-01-9	Chrysene	370	J	510	51	42
53-70-3	Dibenz(a,h)anthracene	230	J	510	51	30
132-64-9	Dibenzofuran	40	J	510	51	31
84-66-2	Diethyl phthalate	51	U	1000	51	41
131-11-3	Dimethyl phthalate	51	U	510	51	36
84-74-2	Di-n-butyl phthalate	51	U	510	51	45
117-84-0	Di-n-octyl phthalate	100	U	510	100	22
206-44-0	Fluoranthene	640		510	100	56
86-73-7	Fluorene	46	J	510	51	28
118-74-1	Hexachlorobenzene	100	U	510	100	45
87-68-3	Hexachlorobutadiene	100	U	510	100	16
77-47-4	Hexachlorocyclopentadiene	100	U	2700	100	78
67-72-1	Hexachloroethane	51	U	510	51	33
193-39-5	Indeno[1,2,3-cd]pyrene	310	J	510	51	34
78-59-1	Isophorone	51	U	510	51	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA | Lab Sample ID: 280-27123-1

Matrix: Solid | Lab File ID: D0140.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 09:55

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.0(g) | Date Analyzed: 04/18/2012 21:50

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

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

% Moisture: 35.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	100	U	510	100	48
98-95-3	Nitrobenzene	51	U	510	51	34
62-75-9	N-Nitrosodimethylamine	100	U	810	100	58
621-64-7	N-Nitrosodi-n-propylamine	100	U	510	100	48
86-30-6	N-Nitrosodiphenylamine	51	U	510	51	33
930-55-2	N-Nitrosopyrrolidine	200	U	510	200	100
87-86-5	Pentachlorophenol	1000	U	2500	1000	510
85-01-8	Phenanthrene	470	J	510	51	27
108-95-2	Phenol	51	U	510	51	28
129-00-0	Pyrene	550	J	620	51	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	85		35-125
321-60-8	2-Fluorobiphenyl	78		45-105
367-12-4	2-Fluorophenol (Surr)	74		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	69		35-100
4165-62-2	Phenol-d5 (Surr)	79		40-100
1718-51-0	Terphenyl-d14 (Surr)	88		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0140.D
Lab Smp Id: 280-27123-A-1-J Client Smp ID: UNK10101AA
Inj Date : 18-APR-2012 21:50
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-1-j
Misc Info : 280-27123-A-1-J
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.000	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	26 1,4-Dichlorobenzene-d4	152	4.014	4.020	(1.000)	212809	40.0000	
*	58 Naphthalene-d8	136	5.189	5.190	(1.000)	776626	40.0000	
*	96 Acenaphthene-d10	164	6.861	6.867	(1.000)	491832	40.0000	
*	135 Phenanthrene-d10	188	8.192	8.198	(1.000)	898444	40.0000	
*	166 Chrysene-d12	240	10.499	10.521	(1.000)	1084460	40.0000	
*	179 Perylene-d12	264	11.771	11.819	(1.000)	982956	40.0000	
$	8 2-Fluorophenol	112	2.956	2.953	(0.737)	770733	110.378	3679.27
$	15 Phenol-d5	99	3.651	3.653	(0.910)	1066976	118.390	3946.34
$	43 Nitrobenzene-d5	82	4.511	4.513	(0.869)	642550	69.3772	2312.57
$	81 2-Fluorobiphenyl	172	6.210	6.212	(0.905)	1391794	77.6577	2588.59
$	118 2,4,6-Tribromophenol	330	7.577	7.585	(1.104)	361467	127.887	4262.91
$	154 Terphenyl-d14	244	9.538	9.546	(0.908)	1941101	88.4972	2949.91
$	29 1,2-Dichlorobenzene-d4	152	4.158	4.161	(1.036)	333781	59.3810	1979.36
$	22 2-Chlorophenol-d4	132	3.822	3.824	(0.952)	846624	113.368	3778.94
	4 1,4-Dioxane	88	Compound Not Detected.					
	5 N-Nitrosodimethylamine	74	Compound Not Detected.					
	6 Pyridine	79	Compound Not Detected.					
	9 2-Picoline	93	Compound Not Detected.					
	10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
	11 Methyl methanesulfonate	80	Compound Not Detected.					
	12 N-Nitrosodiethylamine	102	Compound Not Detected.					
	13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	4.116	4.113	(1.025)	4666	1.00054	33.3512(a)
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	5.975	5.977	(1.151)	5399	0.39548	13.1827(a)
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	6.739	6.741	(0.982)	18836	0.80460	26.8200(a)
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	6.894	6.896	(1.005)	8670	0.58720	19.5735(a)
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	7.048	7.051	(1.027)	16371	0.77640	25.8801(aQ)
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	7.358	7.361	(1.072)	15913	0.89151	29.7169(a)
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	8.213	8.221	(1.003)	230817	8.96559	298.853(a)
137 Anthracene	178	8.261	8.263	(1.008)	42205	1.64578	54.8594(aQ)
140 Carbazole	167	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	9.244	9.252	(1.128)	364121	12.3899	412.997(Q)
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.452	9.460	(0.900)	322562	10.5455	351.517
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	Compound Not Detected.					
165	Benzo(a)anthracene	228	10.489	10.518	(0.999)	161336	5.23552	174.517(aH)
167	Chrysene	228	10.526	10.555	(1.003)	203006	7.16186	238.728(a)
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	11.429	11.490	(0.971)	421061	14.7275	490.917(H)
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.717	11.784	(0.995)	176431	7.05187	235.062(aH)
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	12.845	12.922	(1.223)	165617	6.01951	200.650(aH)
185	Dibenz(a,h)anthracene	278	12.834	12.916	(1.090)	44601	4.41018	147.006(aH)
188	Benzo(g,h,i)perylene	276	13.176	13.258	(1.119)	150306	5.43161	181.054(a)
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

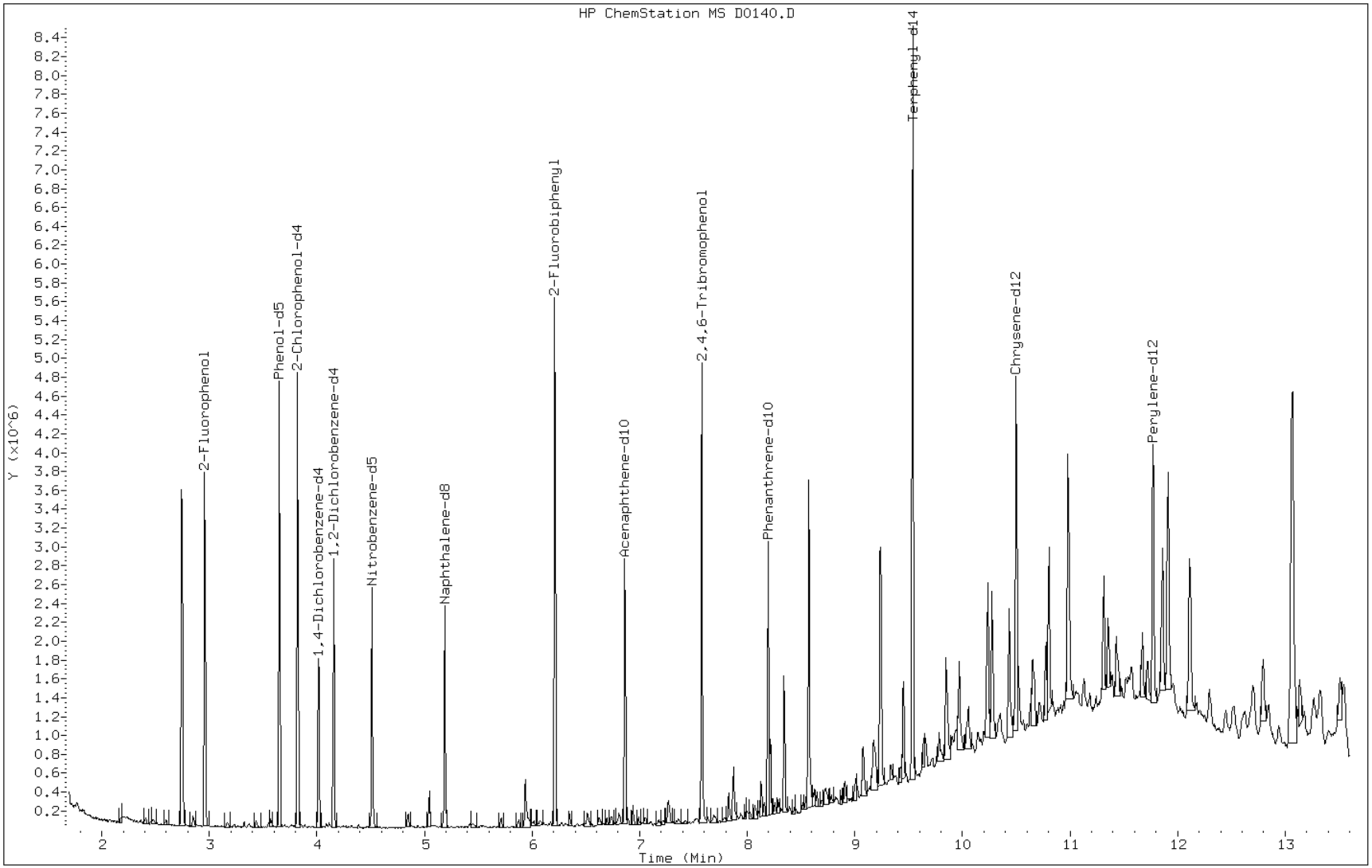
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm



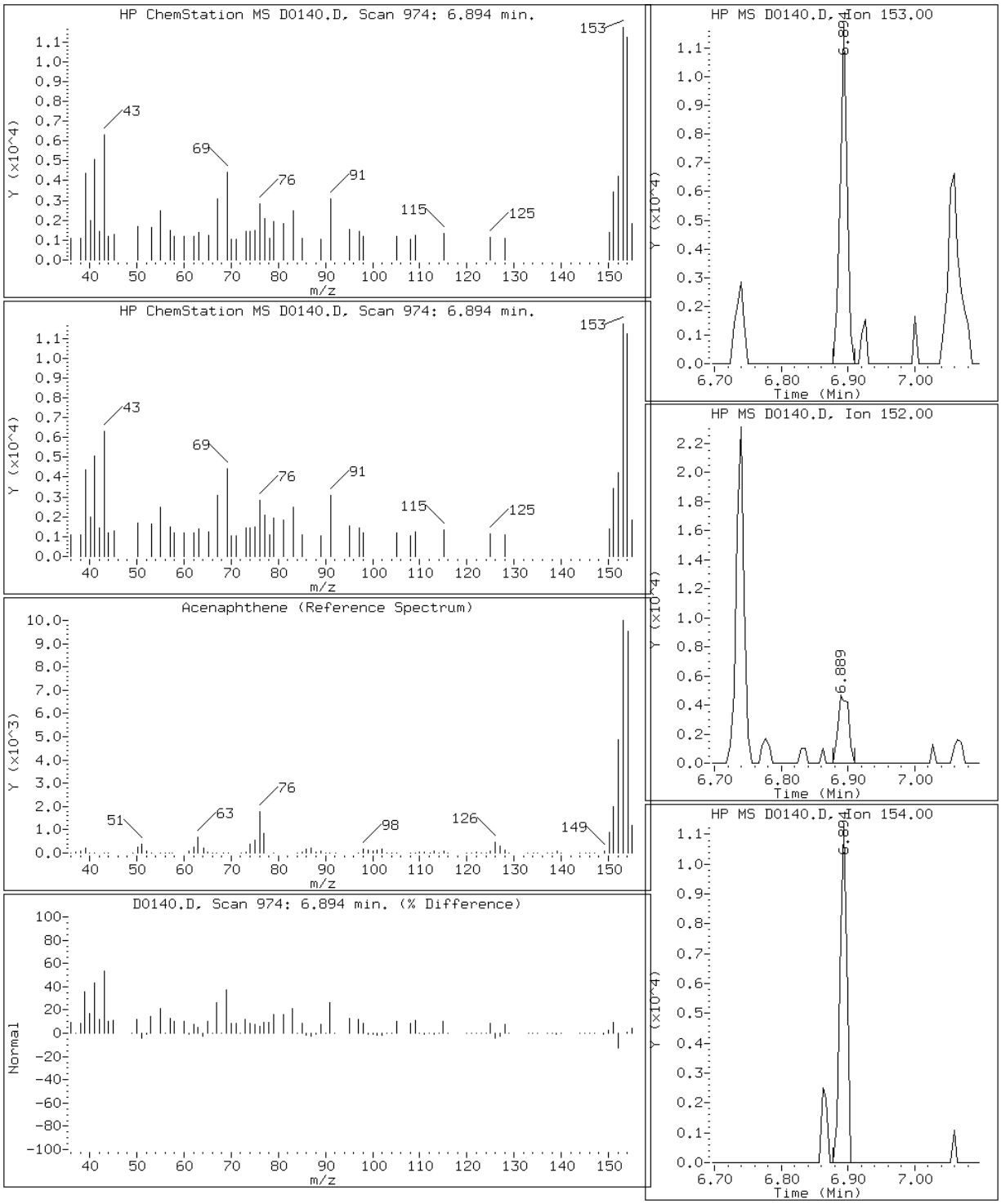
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

97 Acenaphthene



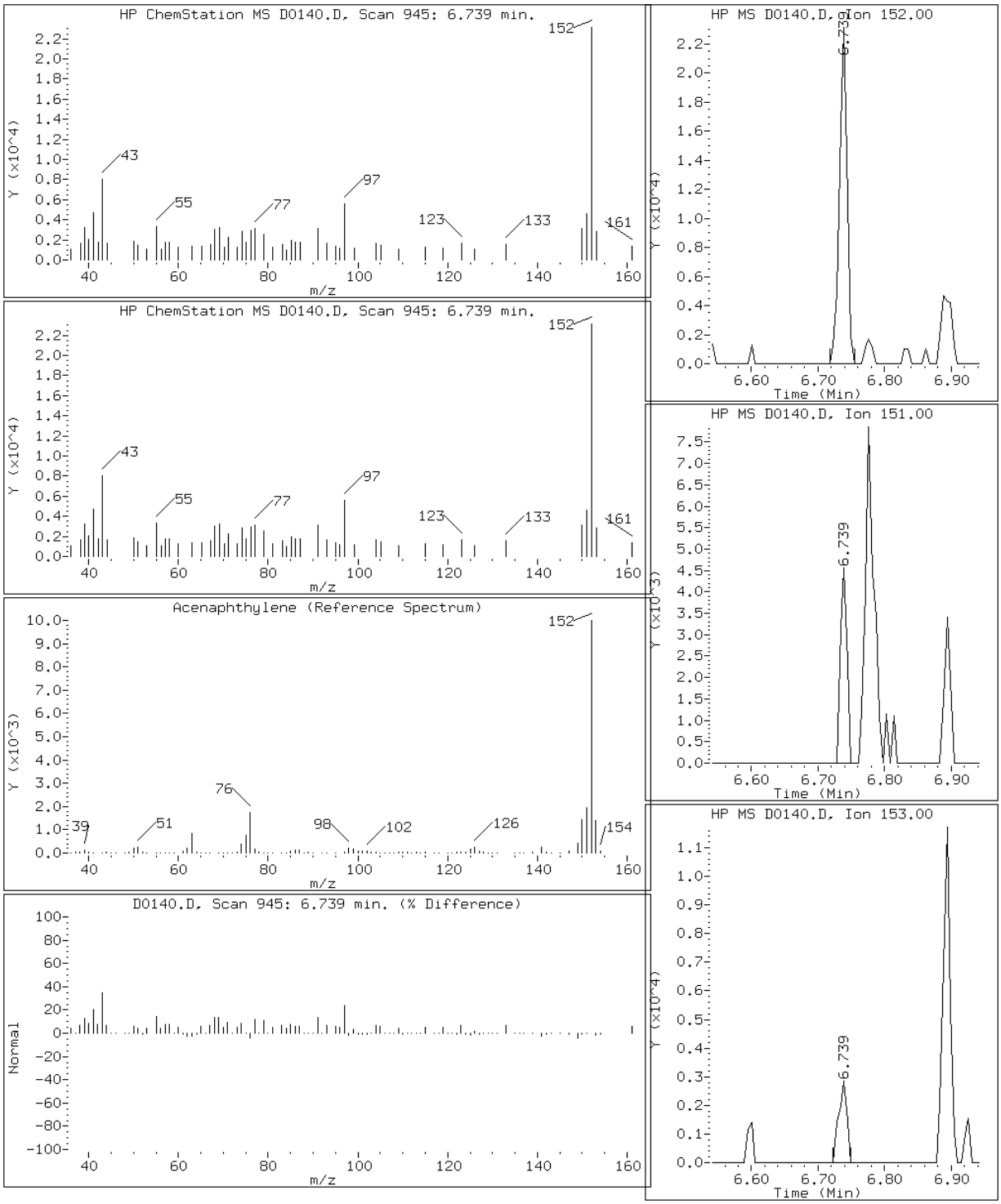
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

94 Acenaphthylene



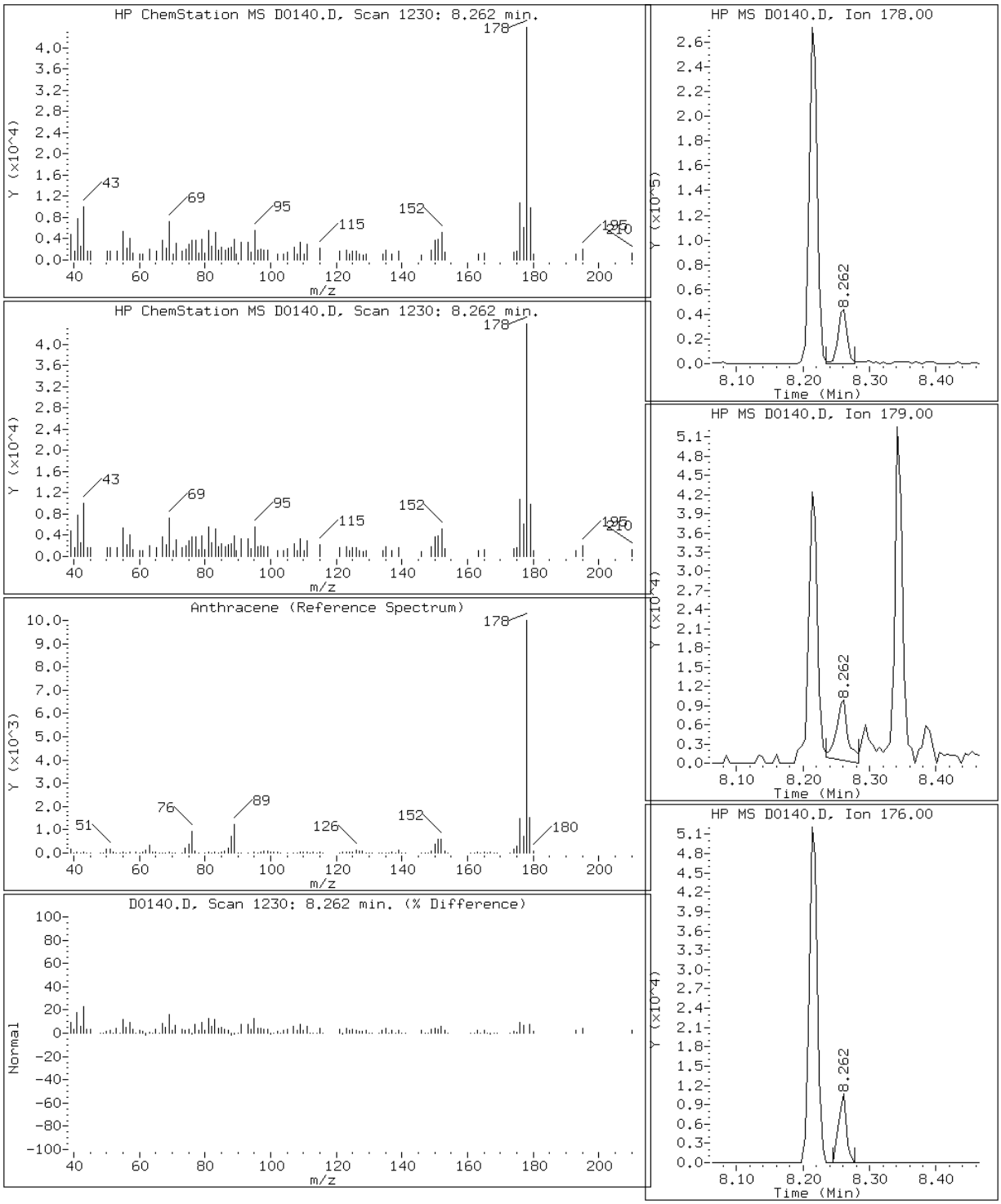
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

137 Anthracene



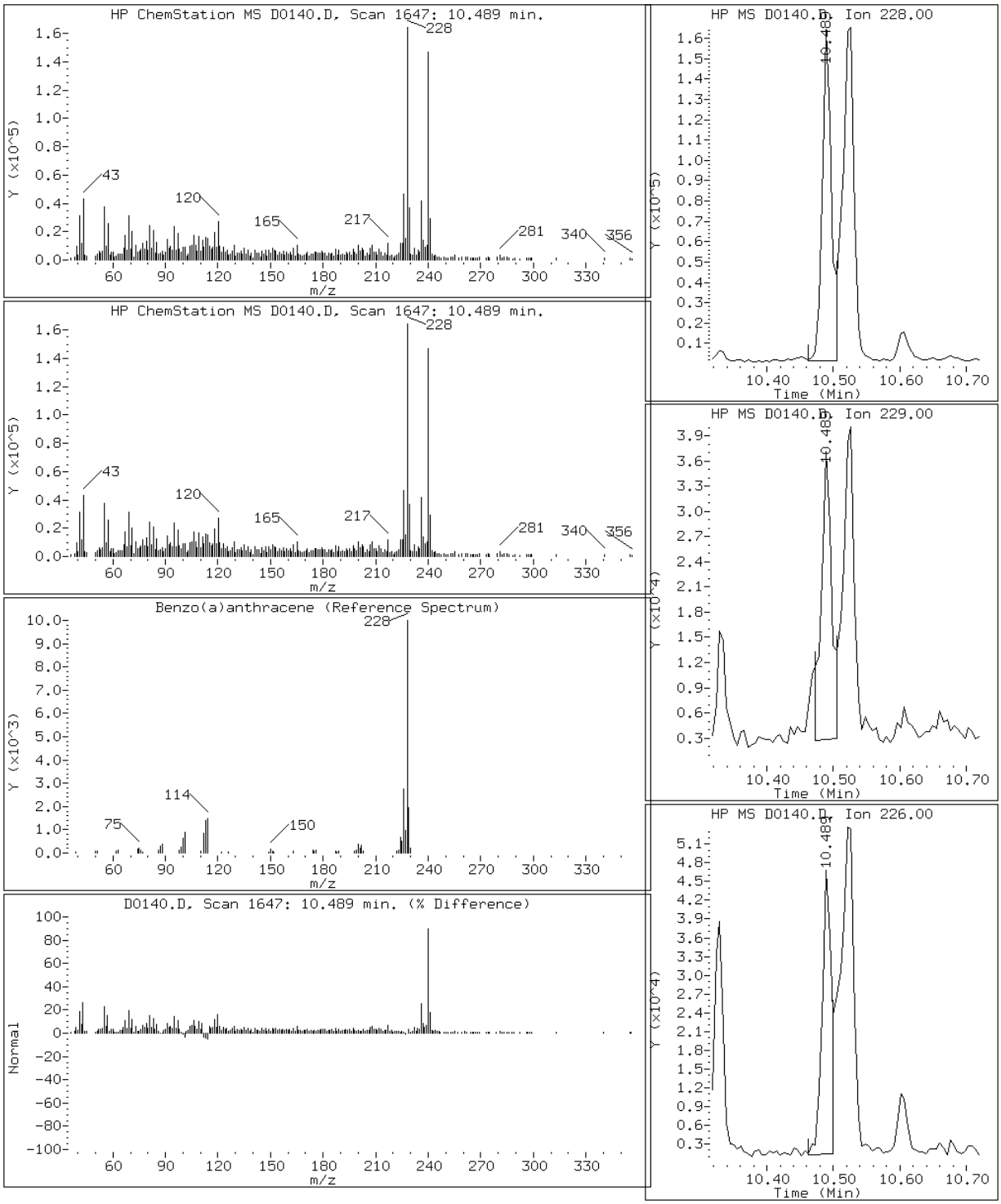
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

165 Benzo(a)anthracene



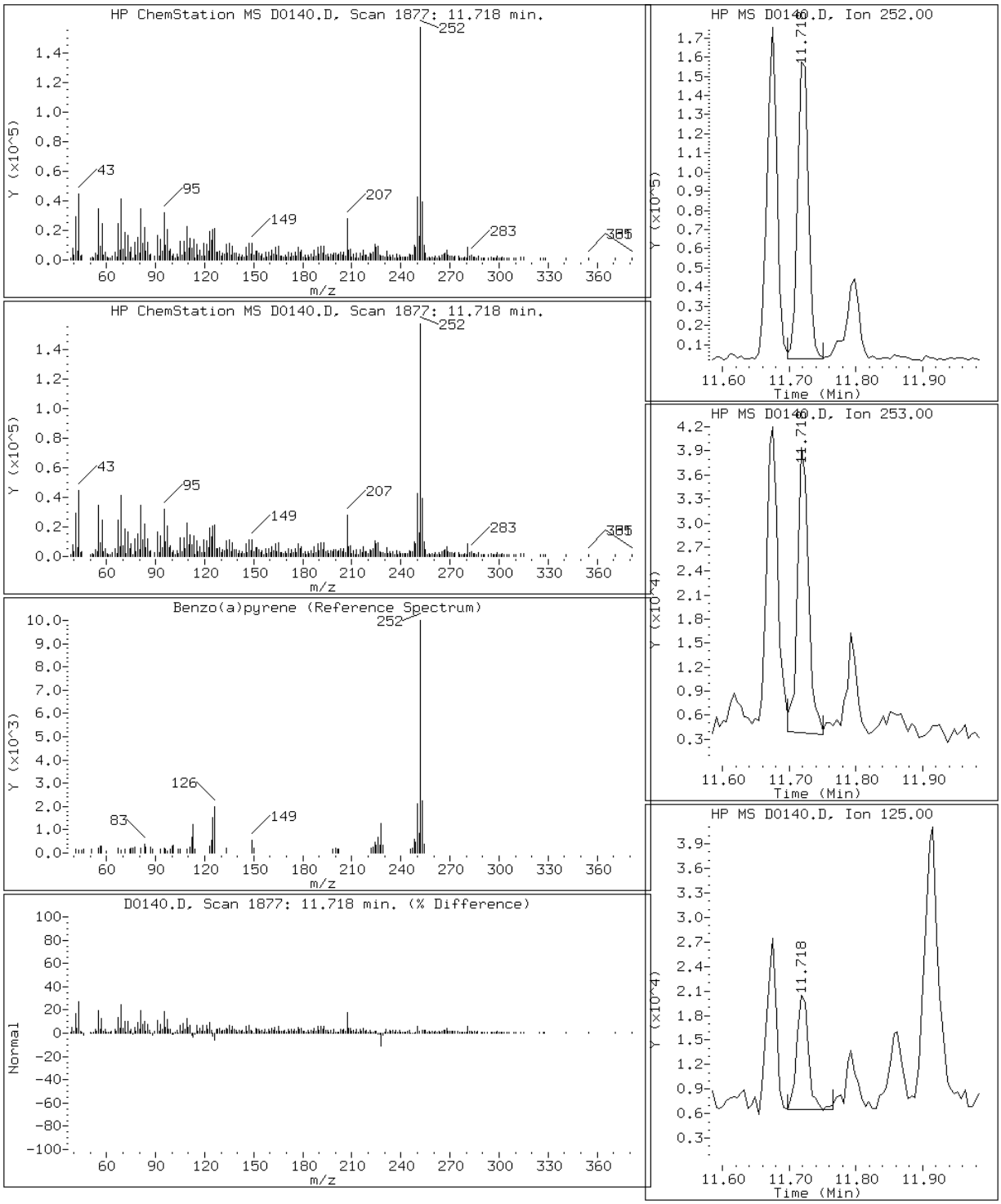
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

178 Benzo(a)pyrene



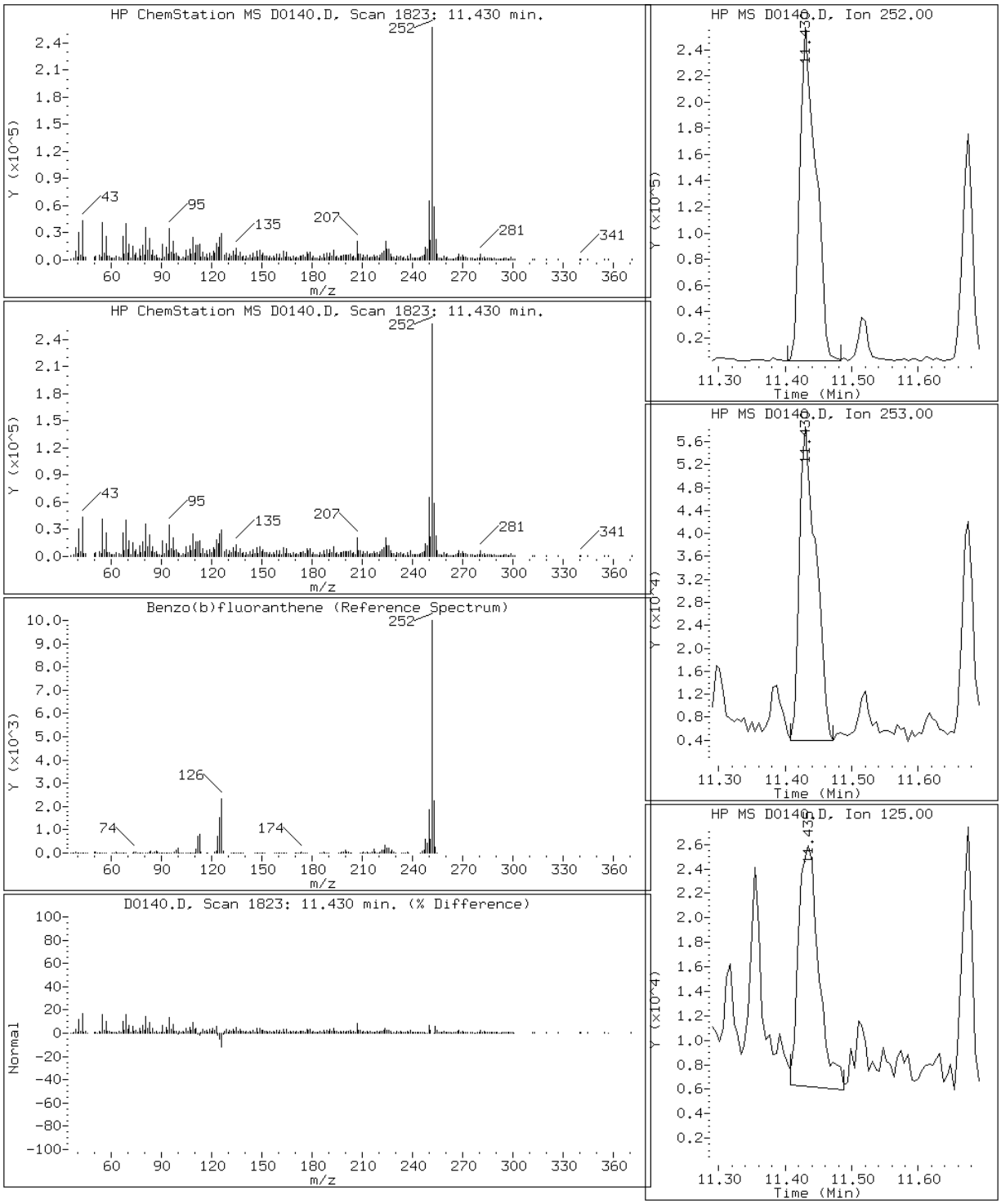
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

171 Benzo(b)fluoranthene



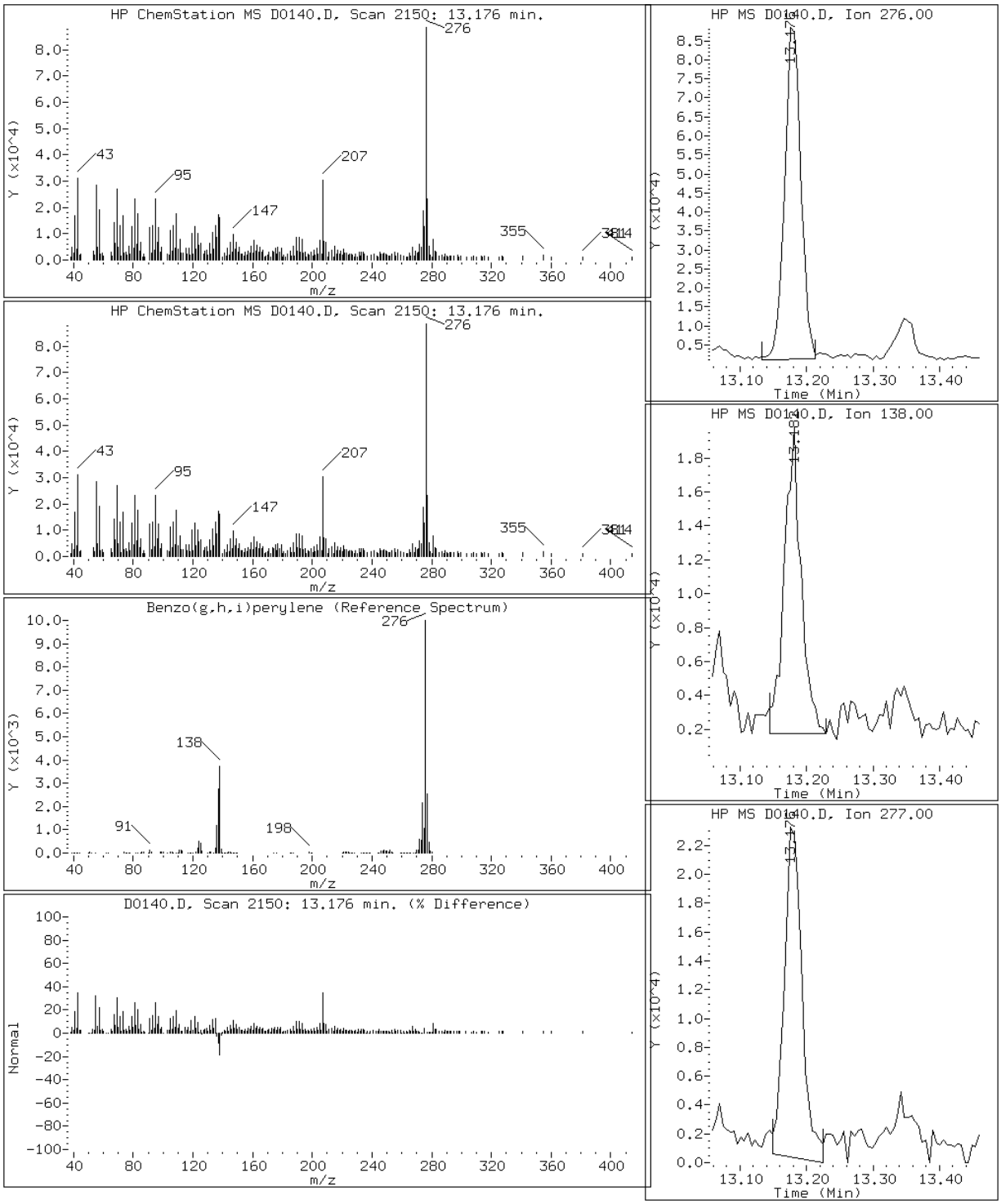
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

188 Benzo(g,h,i)perylene



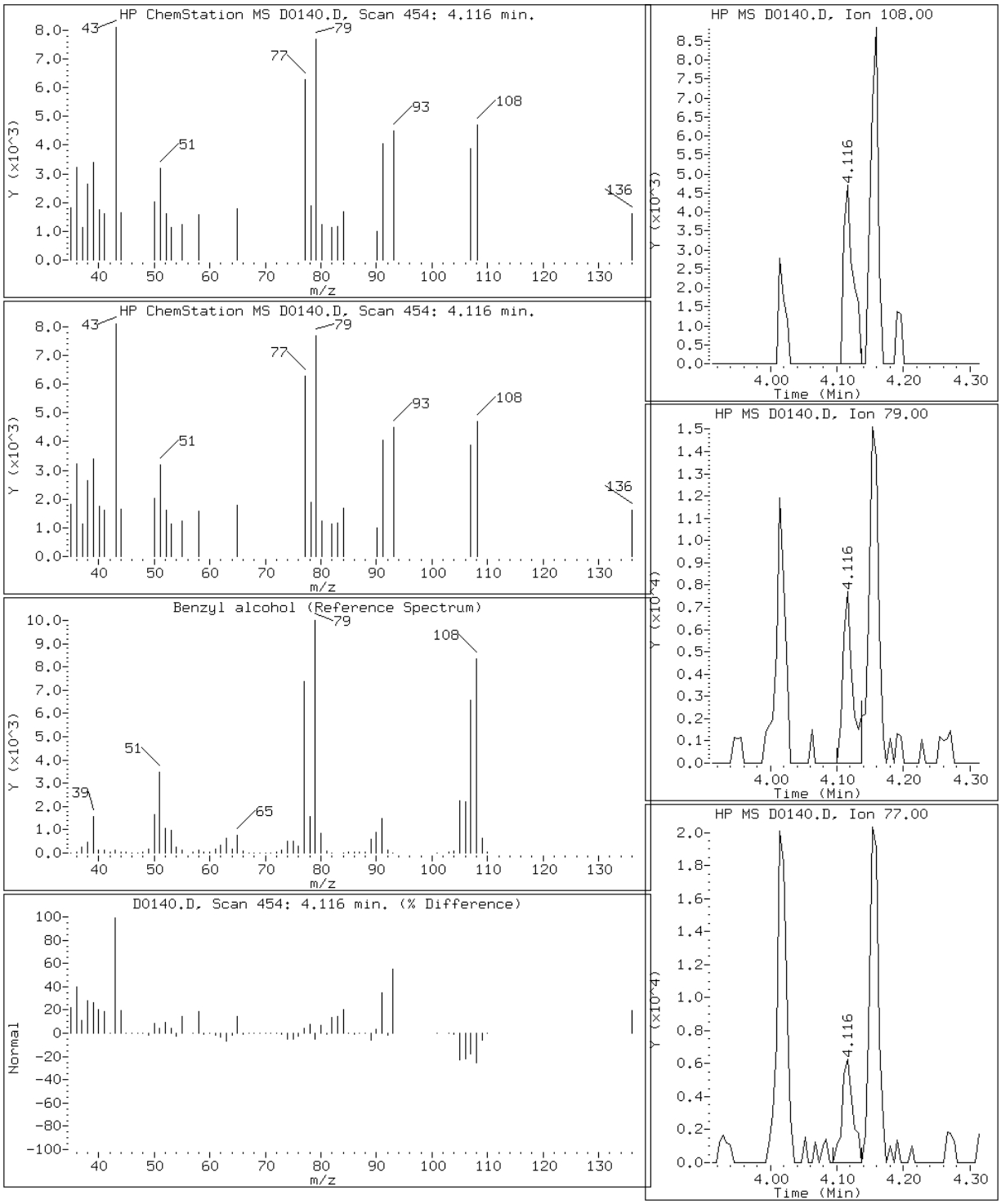
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

28 Benzyl alcohol



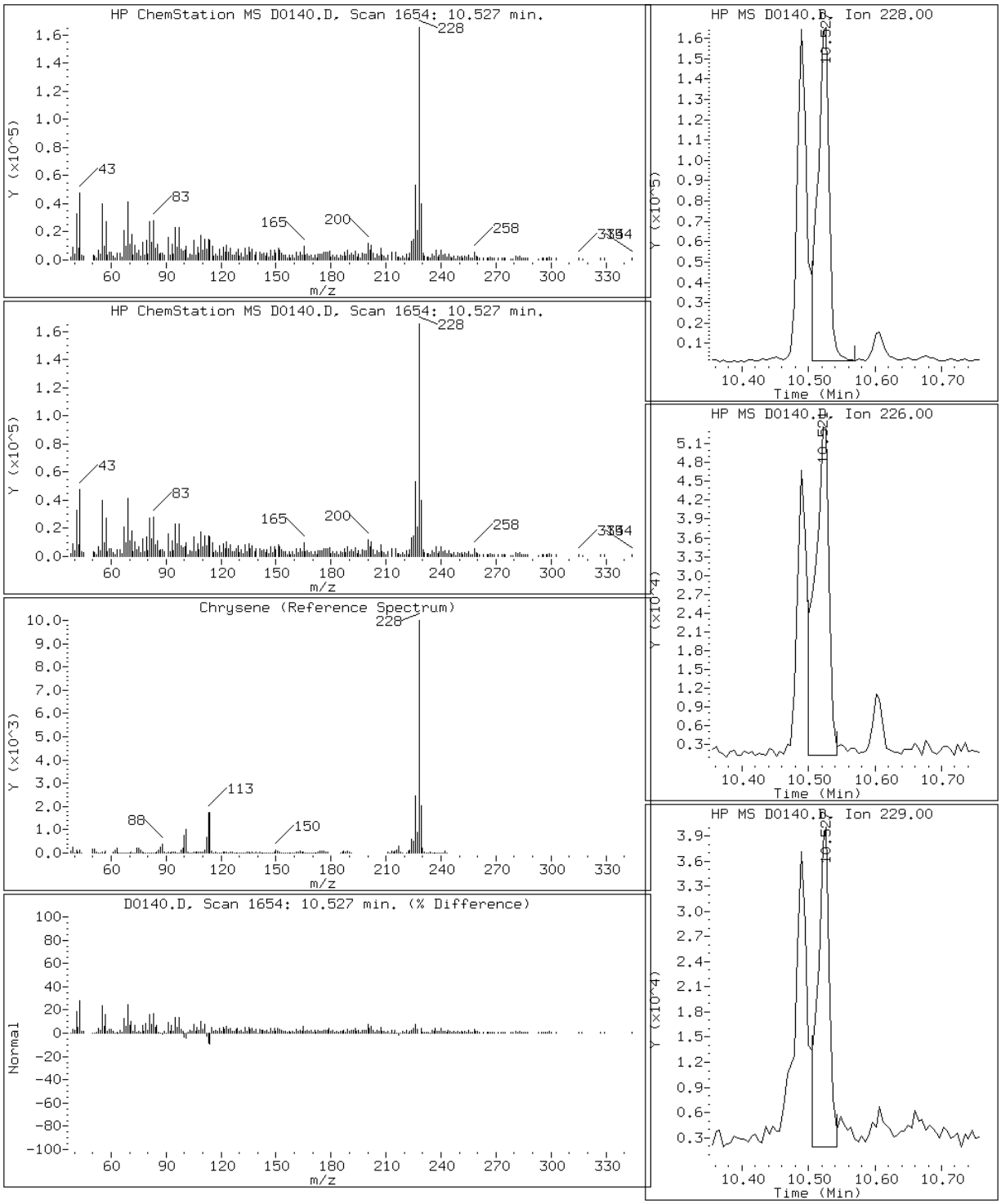
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

167 Chrysene



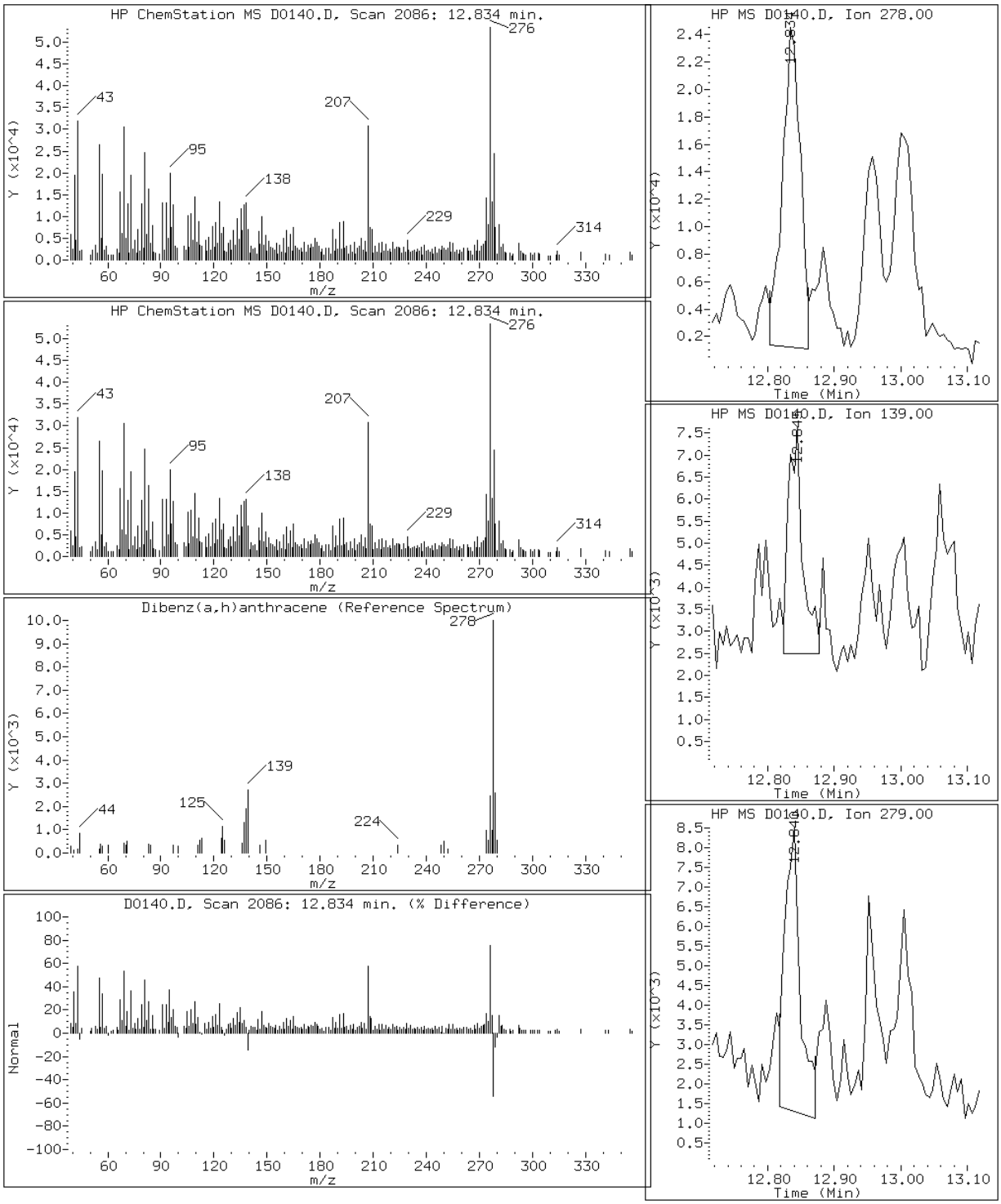
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

185 Dibenz(a,h)anthracene



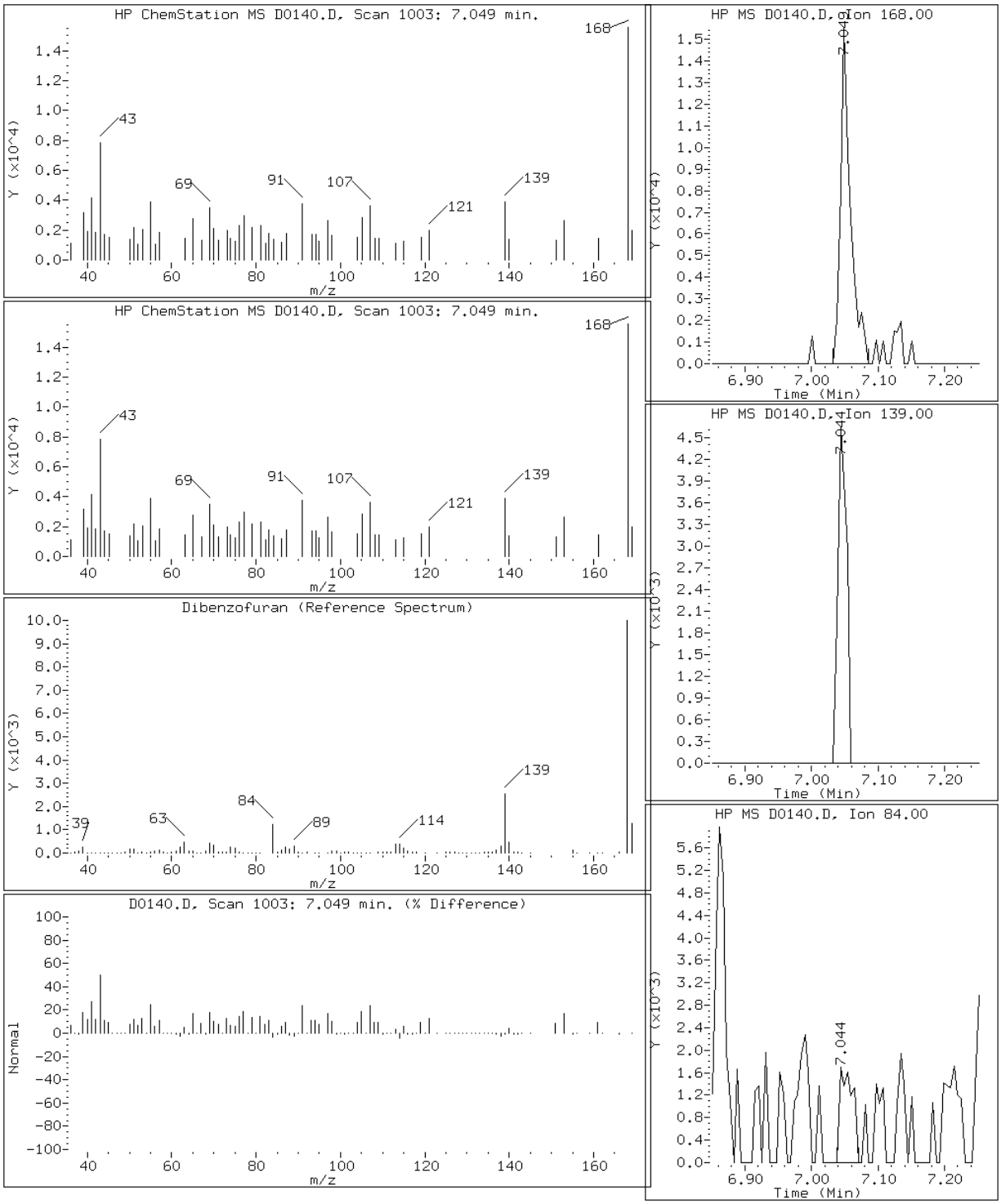
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

102 Dibenzofuran



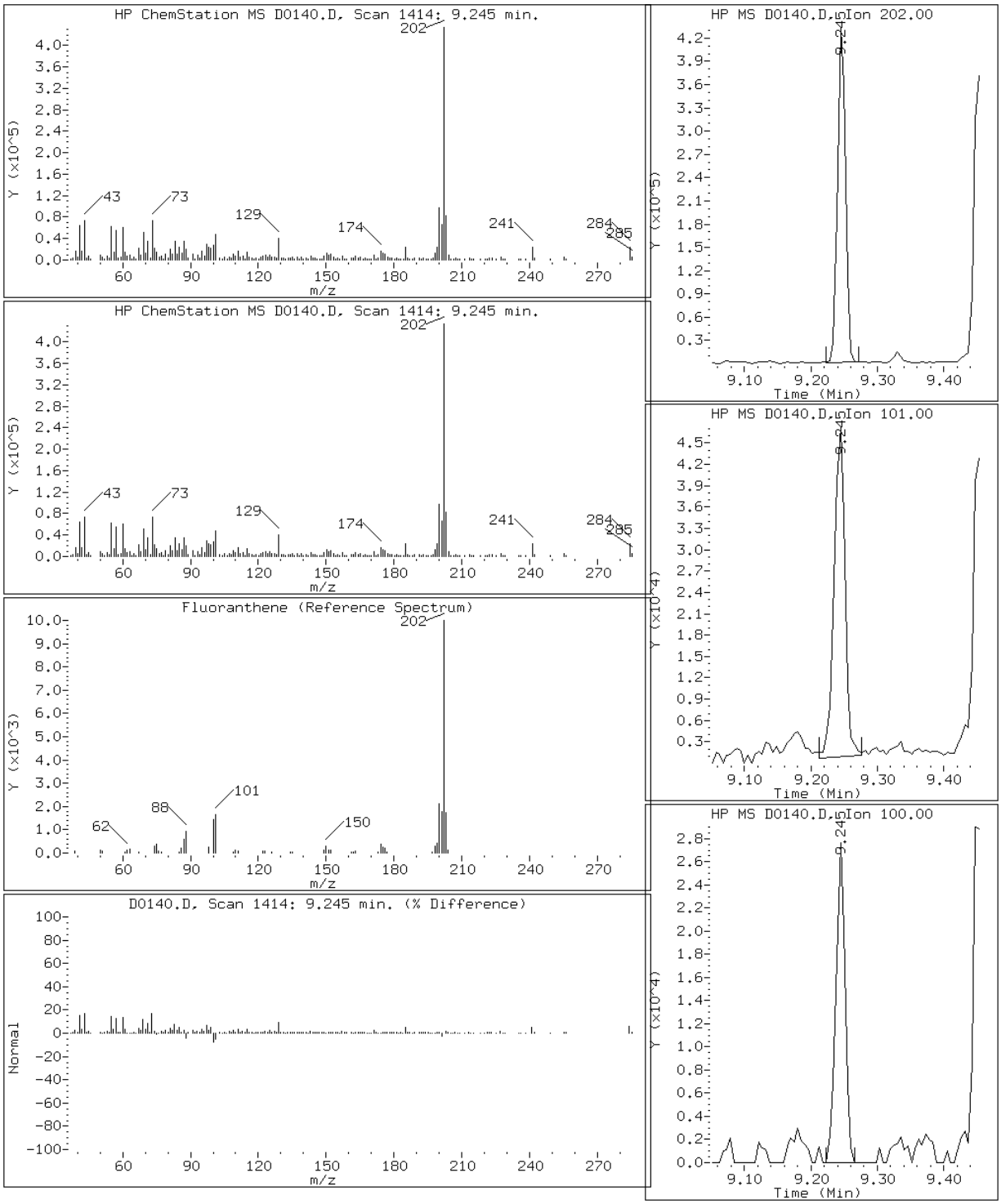
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

149 Fluoranthene



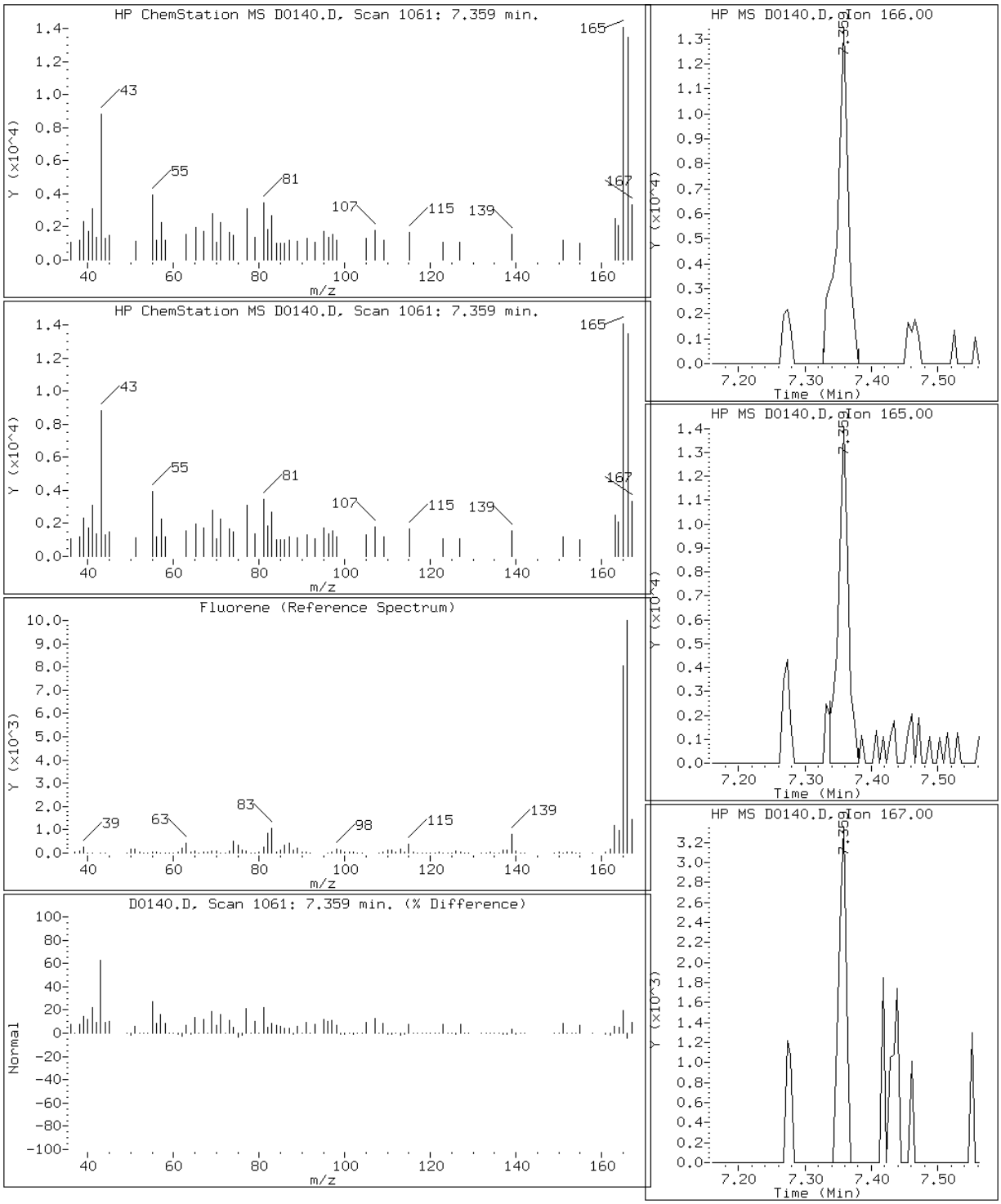
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

110 Fluorene



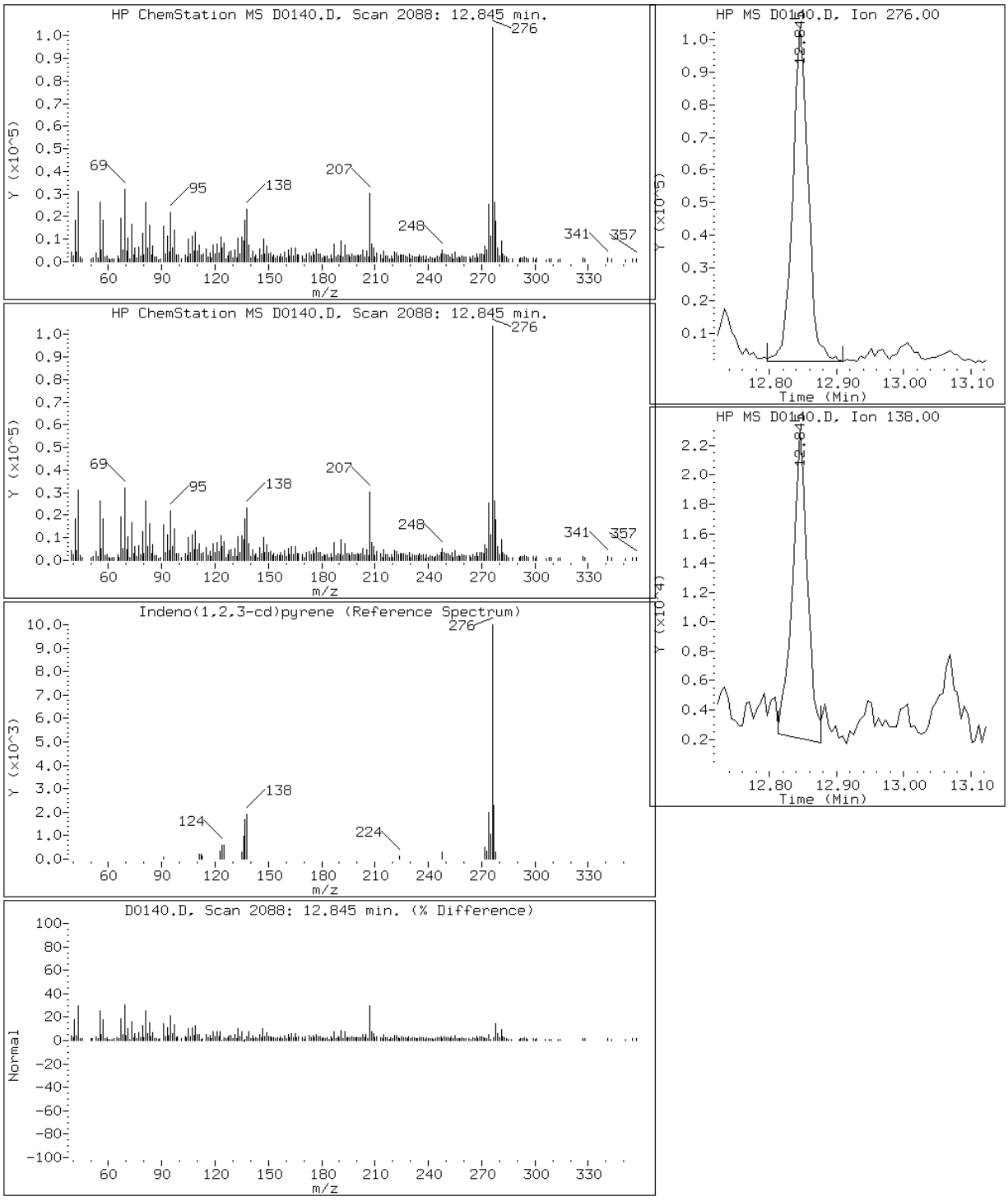
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

186 Indeno(1,2,3-cd)pyrene



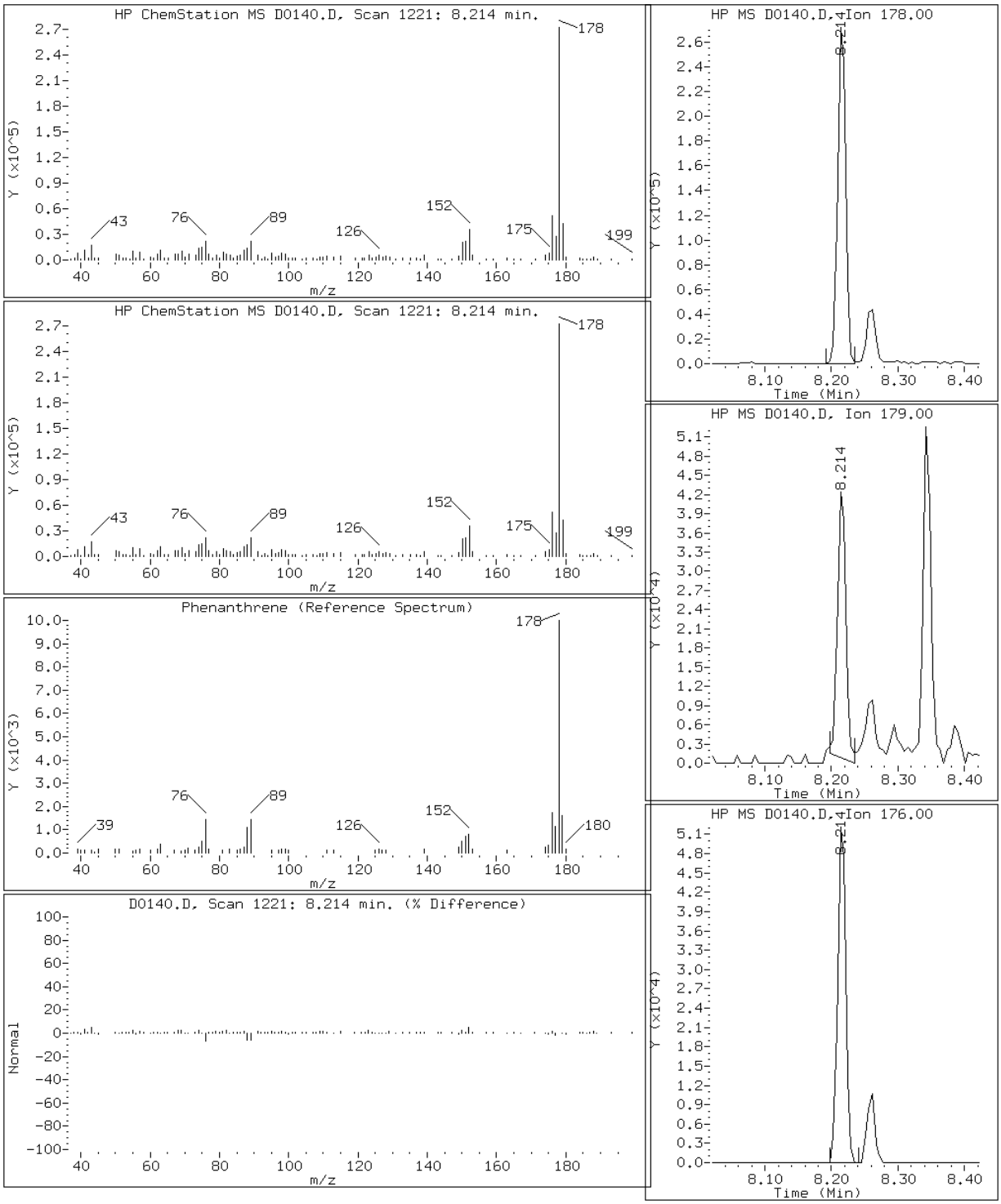
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

136 Phenanthrene



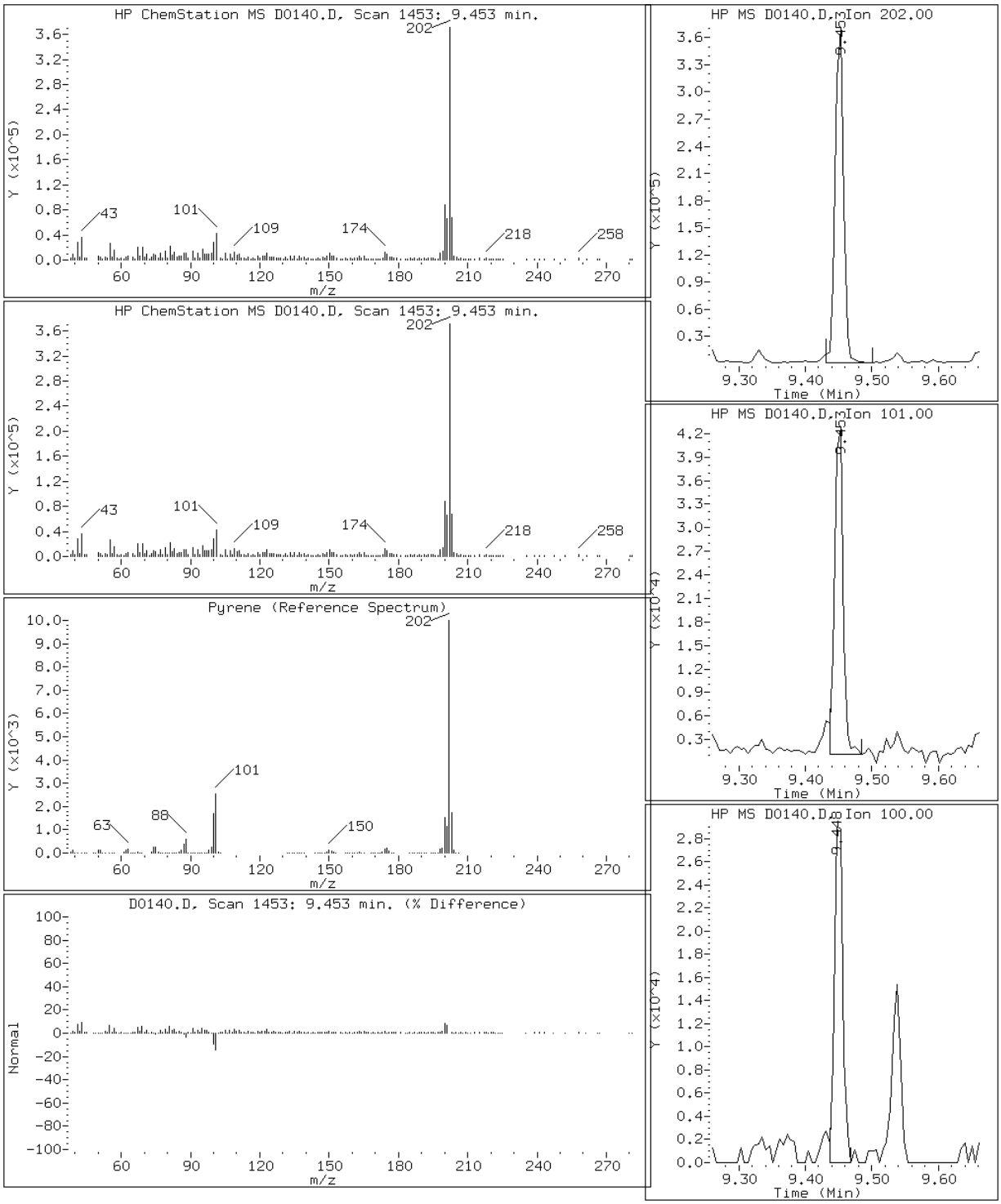
Data File: D0140.D

Date: 18-APR-2012 21:50

Client ID: UNK10101AA Instrument: D.i

Sample Info: 280-27123-a-1-j Operator: hoffmanm

152 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA | Lab Sample ID: 280-27123-2

Matrix: Solid | Lab File ID: D0141.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:20

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.4(g) | Date Analyzed: 04/18/2012 22:09

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

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

% Moisture: 40.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	51	U	510	51	78
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	510	100	76
120-82-1	1,2,4-Trichlorobenzene	51	U	510	51	43
95-50-1	1,2-Dichlorobenzene	51	U	510	51	34
122-66-7	1,2-Diphenylhydrazine	51	U	510	51	34
541-73-1	1,3-Dichlorobenzene	51	U	510	51	19
106-46-7	1,4-Dichlorobenzene	51	U	510	51	21
108-60-1	2,2'-oxybis[1-chloropropane]	51	U	510	51	36
58-90-2	2,3,4,6-Tetrachlorophenol	51	U	2500	51	210
95-95-4	2,4,5-Trichlorophenol	200	U	510	200	16
88-06-2	2,4,6-Trichlorophenol	100	U	510	100	16
120-83-2	2,4-Dichlorophenol	100	U	510	100	16
105-67-9	2,4-Dimethylphenol	200	U	510	200	100
51-28-5	2,4-Dinitrophenol	1000	U	2500	1000	520
121-14-2	2,4-Dinitrotoluene	200	U	510	200	100
87-65-0	2,6-Dichlorophenol	200	U	510	200	110
606-20-2	2,6-Dinitrotoluene	100	U	510	100	43
91-58-7	2-Chloronaphthalene	51	U	510	51	16
95-57-8	2-Chlorophenol	51	U	510	51	33
91-57-6	2-Methylnaphthalene	51	U	510	51	30
95-48-7	2-Methylphenol	51	U	510	51	20
88-74-4	2-Nitroaniline	100	U	2500	100	78
88-75-5	2-Nitrophenol	100	U	510	100	16
15831-10-4	3 & 4 Methylphenol	100	U	510	100	51
91-94-1	3,3'-Dichlorobenzidine	510	U	2500	510	140
99-09-2	3-Nitroaniline	210	U	2500	210	110
534-52-1	4,6-Dinitro-2-methylphenol	1000	U	2500	1000	510
101-55-3	4-Bromophenyl phenyl ether	51	U	510	51	30
59-50-7	4-Chloro-3-methylphenol	200	U	510	200	100
106-47-8	4-Chloroaniline	200	U	510	200	130
7005-72-3	4-Chlorophenyl phenyl ether	100	U	510	100	33
100-01-6	4-Nitroaniline	200	U	2500	200	110
100-02-7	4-Nitrophenol	510	U	2500	510	150
83-32-9	Acenaphthene	40	J	510	26	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA | Lab Sample ID: 280-27123-2

Matrix: Solid | Lab File ID: D0141.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:20

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.4(g) | Date Analyzed: 04/18/2012 22:09

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

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

% Moisture: 40.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	130	J	510	51	26
98-86-2	Acetophenone	51	U	510	51	31
120-12-7	Anthracene	230	J	510	51	26
1912-24-9	Atrazine	200	U	510	200	57
100-52-7	Benzaldehyde	100	U	510	100	61
92-87-5	Benzidine	6100	U	6200	6100	1500
56-55-3	Benzo[a]anthracene	740		510	51	31
50-32-8	Benzo[a]pyrene	890		510	51	31
205-99-2	Benzo[b]fluoranthene	2000	K	510	51	41
191-24-2	Benzo[g,h,i]perylene	860		510	51	25
207-08-9	Benzo[k]fluoranthene	100	U K	510	100	62
65-85-0	Benzoic acid	1900	J	2500	1000	510
100-51-6	Benzyl alcohol	83	J	510	51	16
111-91-1	Bis(2-chloroethoxy)methane	100	U	510	100	36
111-44-4	Bis(2-chloroethyl)ether	51	U	510	51	26
117-81-7	Bis(2-ethylhexyl) phthalate	100	U	510	100	71
85-68-7	Butyl benzyl phthalate	100	U	510	100	67
105-60-2	Caprolactam	510	U	2500	510	160
86-74-8	Carbazole	170	J	510	100	56
218-01-9	Chrysene	1100		510	51	42
53-70-3	Dibenz(a,h)anthracene	360	J	510	51	30
132-64-9	Dibenzofuran	120	J	510	51	31
84-66-2	Diethyl phthalate	51	U	1000	51	40
131-11-3	Dimethyl phthalate	51	U	510	51	36
84-74-2	Di-n-butyl phthalate	51	U	510	51	45
117-84-0	Di-n-octyl phthalate	100	U	510	100	22
206-44-0	Fluoranthene	2100		510	100	56
86-73-7	Fluorene	100	J	510	51	28
118-74-1	Hexachlorobenzene	100	U	510	100	45
87-68-3	Hexachlorobutadiene	100	U	510	100	16
77-47-4	Hexachlorocyclopentadiene	100	U	2600	100	78
67-72-1	Hexachloroethane	51	U	510	51	33
193-39-5	Indeno[1,2,3-cd]pyrene	760		510	51	34
78-59-1	Isophorone	51	U	510	51	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA | Lab Sample ID: 280-27123-2

Matrix: Solid | Lab File ID: D0141.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:20

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.4(g) | Date Analyzed: 04/18/2012 22:09

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

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

% Moisture: 40.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	100	U	510	100	48
98-95-3	Nitrobenzene	51	U	510	51	34
62-75-9	N-Nitrosodimethylamine	100	U	810	100	57
621-64-7	N-Nitrosodi-n-propylamine	100	U	510	100	48
86-30-6	N-Nitrosodiphenylamine	51	U	510	51	33
930-55-2	N-Nitrosopyrrolidine	200	U	510	200	99
87-86-5	Pentachlorophenol	1000	U	2500	1000	510
85-01-8	Phenanthrene	1400		510	51	26
108-95-2	Phenol	51	U	510	51	28
129-00-0	Pyrene	1600		620	51	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	93		35-125
321-60-8	2-Fluorobiphenyl	82		45-105
367-12-4	2-Fluorophenol (Surr)	83		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	81		35-100
4165-62-2	Phenol-d5 (Surr)	84		40-100
1718-51-0	Terphenyl-d14 (Surr)	89		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0141.D
Lab Smp Id: 280-27123-A-2-D Client Smp ID: UNK10201AA
Inj Date : 18-APR-2012 22:09
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-2-d
Misc Info : 280-27123-A-2-D
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	32.400	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	26 1,4-Dichlorobenzene-d4	152	4.017	4.020	(1.000)	230794	40.0000	
*	58 Naphthalene-d8	136	5.192	5.190	(1.000)	828205	40.0000	
*	96 Acenaphthene-d10	164	6.864	6.867	(1.000)	530730	40.0000	
*	135 Phenanthrene-d10	188	8.194	8.198	(1.000)	971361	40.0000	
*	166 Chrysene-d12	240	10.497	10.521	(1.000)	1193820	40.0000	
*	179 Perylene-d12	264	11.768	11.819	(1.000)	1097664	40.0000	
$	8 2-Fluorophenol	112	2.959	2.953	(0.737)	945545	124.861	3853.73
$	15 Phenol-d5	99	3.654	3.653	(0.910)	1234235	126.277	3897.44
$	43 Nitrobenzene-d5	82	4.514	4.513	(0.869)	801786	81.1787	2505.52
$	81 2-Fluorobiphenyl	172	6.212	6.212	(0.905)	1578288	81.6092	2518.80
$	118 2,4,6-Tribromophenol	330	7.580	7.585	(1.104)	428945	138.872	4286.16
$	154 Terphenyl-d14	244	9.535	9.546	(0.908)	2157973	89.3721	2758.40
$	29 1,2-Dichlorobenzene-d4	152	4.156	4.161	(1.035)	455247	74.6790	2304.91
$	22 2-Chlorophenol-d4	132	3.819	3.824	(0.951)	989989	122.235	3772.69
	4 1,4-Dioxane	88	Compound Not Detected.					
	5 N-Nitrosodimethylamine	74	Compound Not Detected.					
	6 Pyridine	79	Compound Not Detected.					
	9 2-Picoline	93	Compound Not Detected.					
	10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
	11 Methyl methanesulfonate	80	Compound Not Detected.					
	12 N-Nitrosodiethylamine	102	Compound Not Detected.					
	13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	4.113	4.113	(1.024)	8144	1.61024	49.6989(aQ)
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	4.866	4.887	(0.937)	142762	36.8748	1138.11
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	6.736	6.741	(0.981)	65857	2.60698	80.4622(a)
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	6.896	6.896	(1.005)	12450	0.78142	24.1178(a)
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	7.046	7.051	(1.026)	51412	2.25953	69.7387(aQ)
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	7.356	7.361	(1.072)	37572	1.95065	60.2054(a)
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	8.216	8.221	(1.003)	744723	26.7557	825.793
137 Anthracene	178	8.258	8.263	(1.008)	122010	4.40062	135.822(aQ)
140 Carbazole	167	8.397	8.402	(1.025)	84493	3.32348	102.576(aH)
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	9.247	9.252	(1.128)	1283056	40.3811	1246.33
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.450	9.460	(0.900)	1035761	30.7601	949.387
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	Compound Not Detected.					
165	Benzo(a)anthracene	228	10.486	10.518	(0.999)	485340	14.3070	441.575(H)
167	Chrysene	228	10.524	10.555	(1.003)	668125	21.4116	660.852
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	11.426	11.490	(0.971)	1469133	39.4577	1217.83(H)
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.715	11.784	(0.995)	568480	17.1517	529.372(H)
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	12.842	12.922	(1.223)	532976	14.7109	454.041(H)
185	Dibenz(a,h)anthracene	278	12.831	12.916	(1.090)	154187	6.93466	214.033(aH)
188	Benzo(g,h,i)perylene	276	13.179	13.258	(1.120)	510643	16.5247	510.022(H)
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0141.D

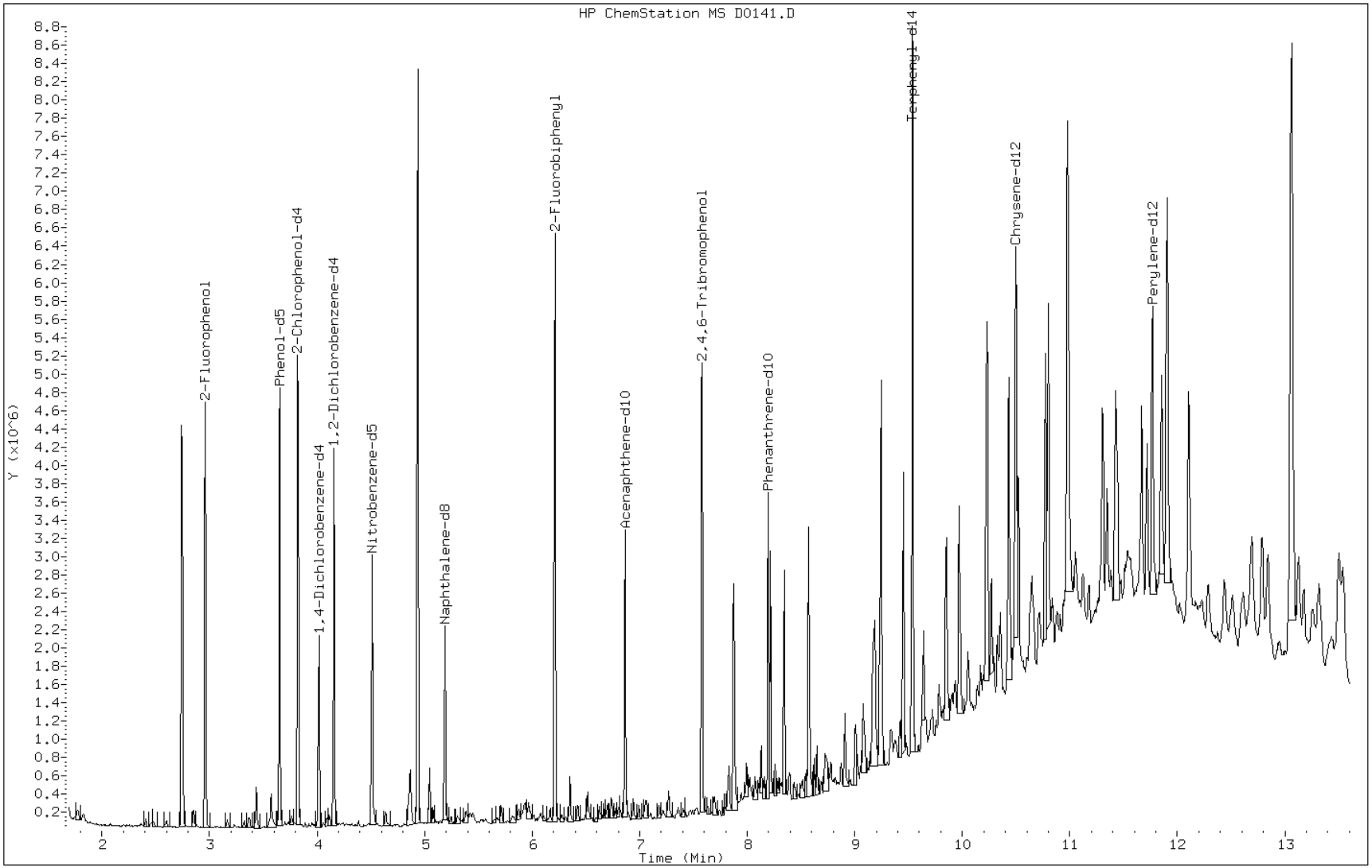
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Client ID: UNK10201AA

Instrument: D.i

Sample Info: 280-27123-a-2-d

Operator: hoffmanm



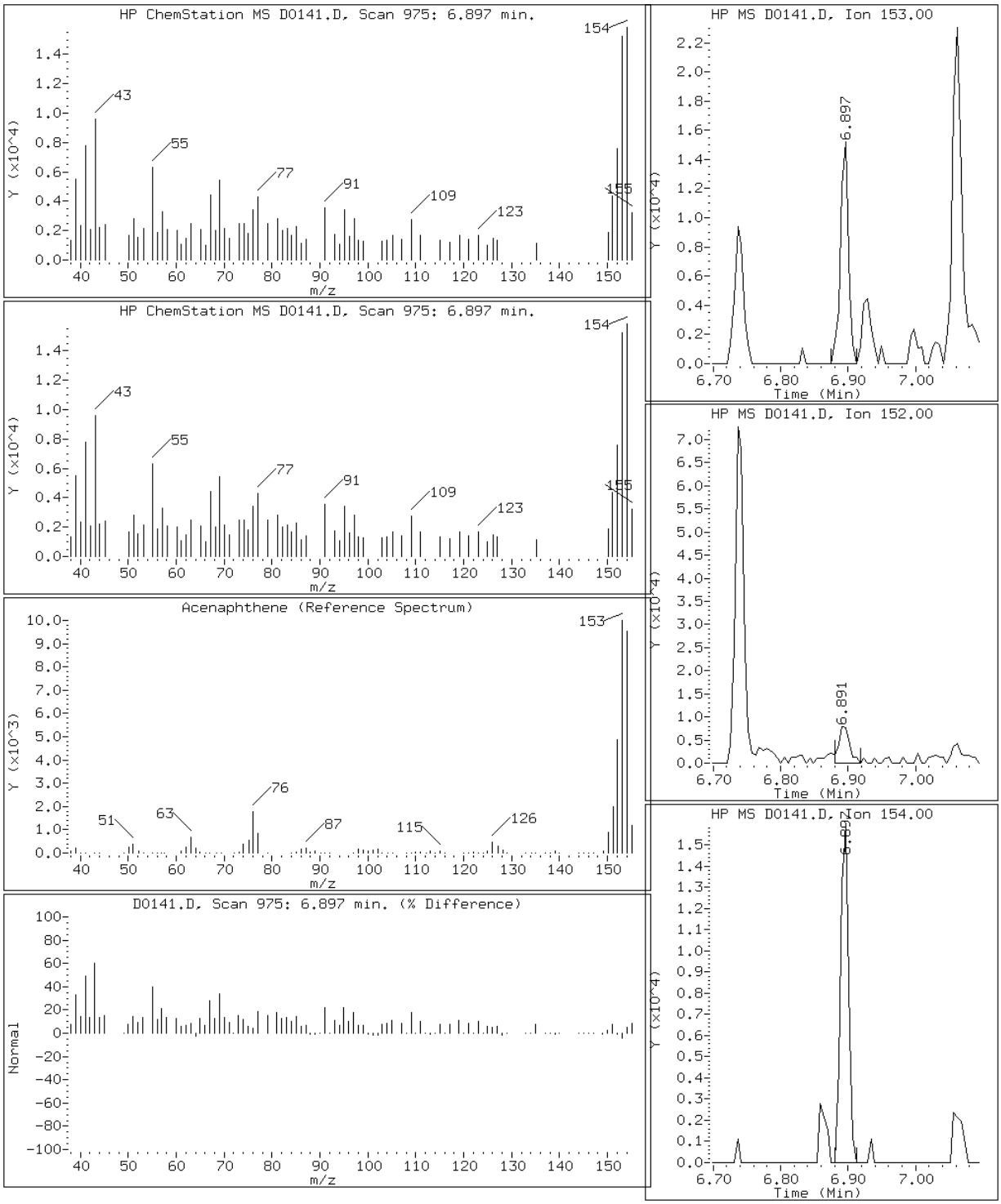
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

97 Acenaphthene



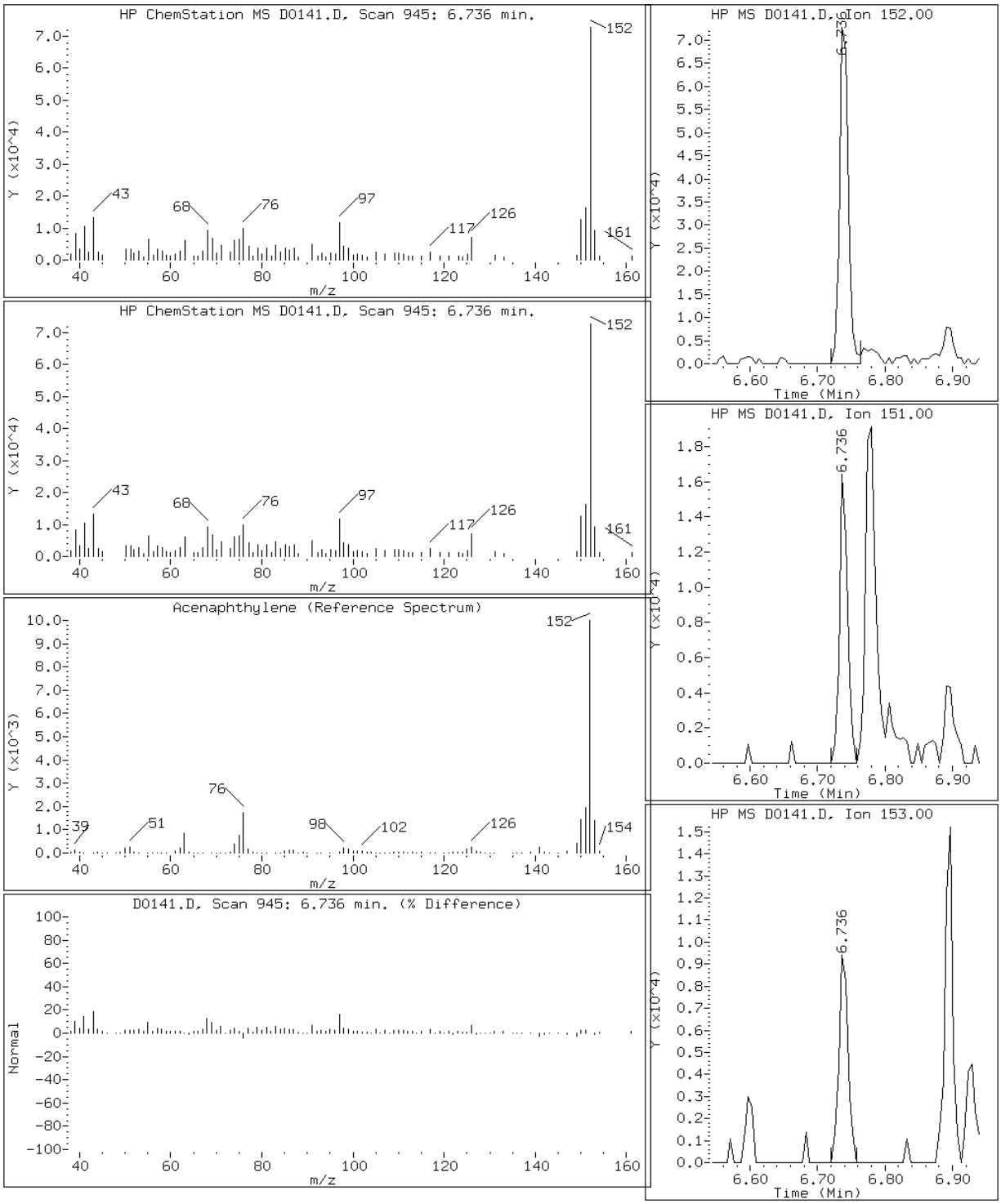
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

94 Acenaphthylene



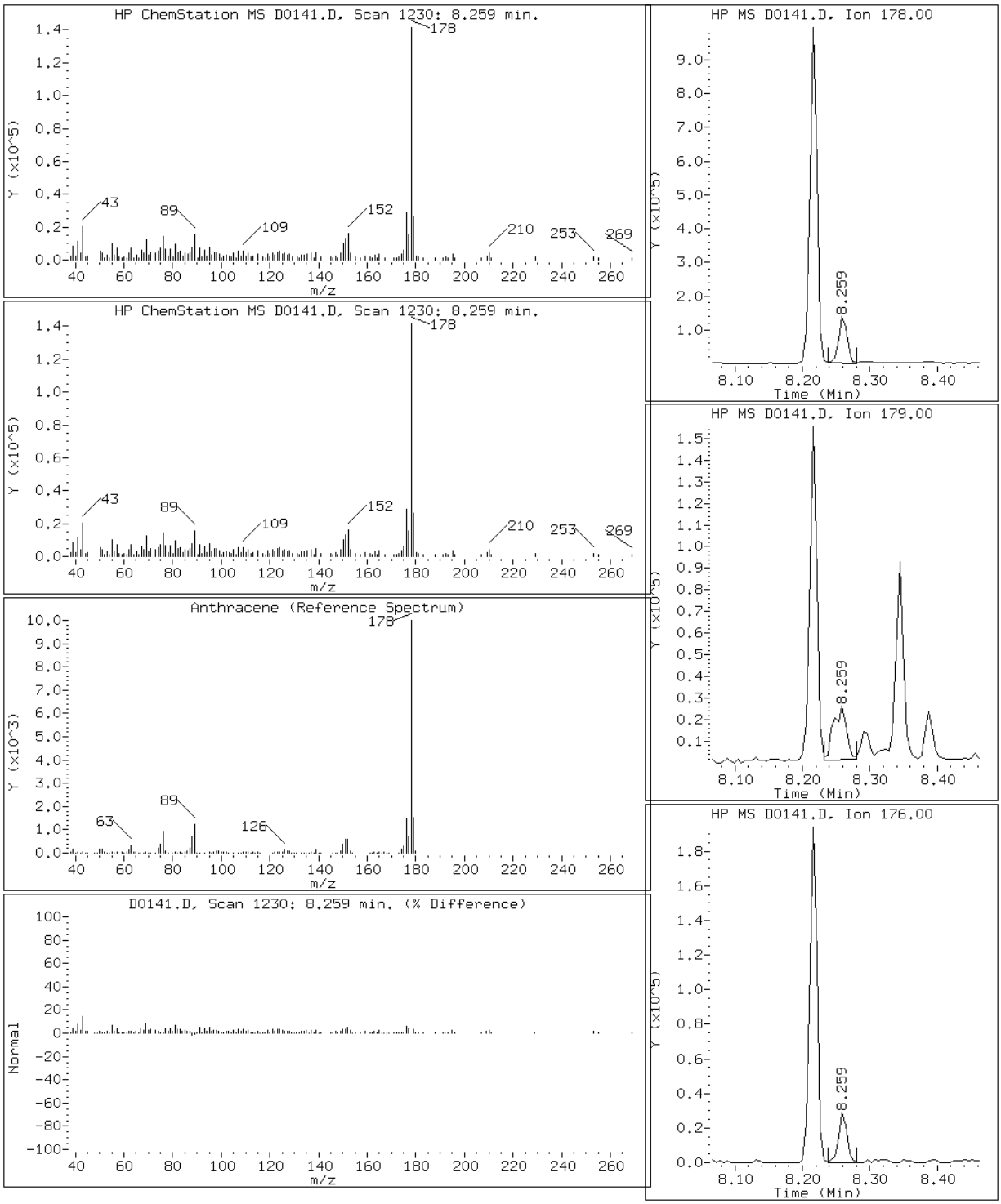
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

137 Anthracene



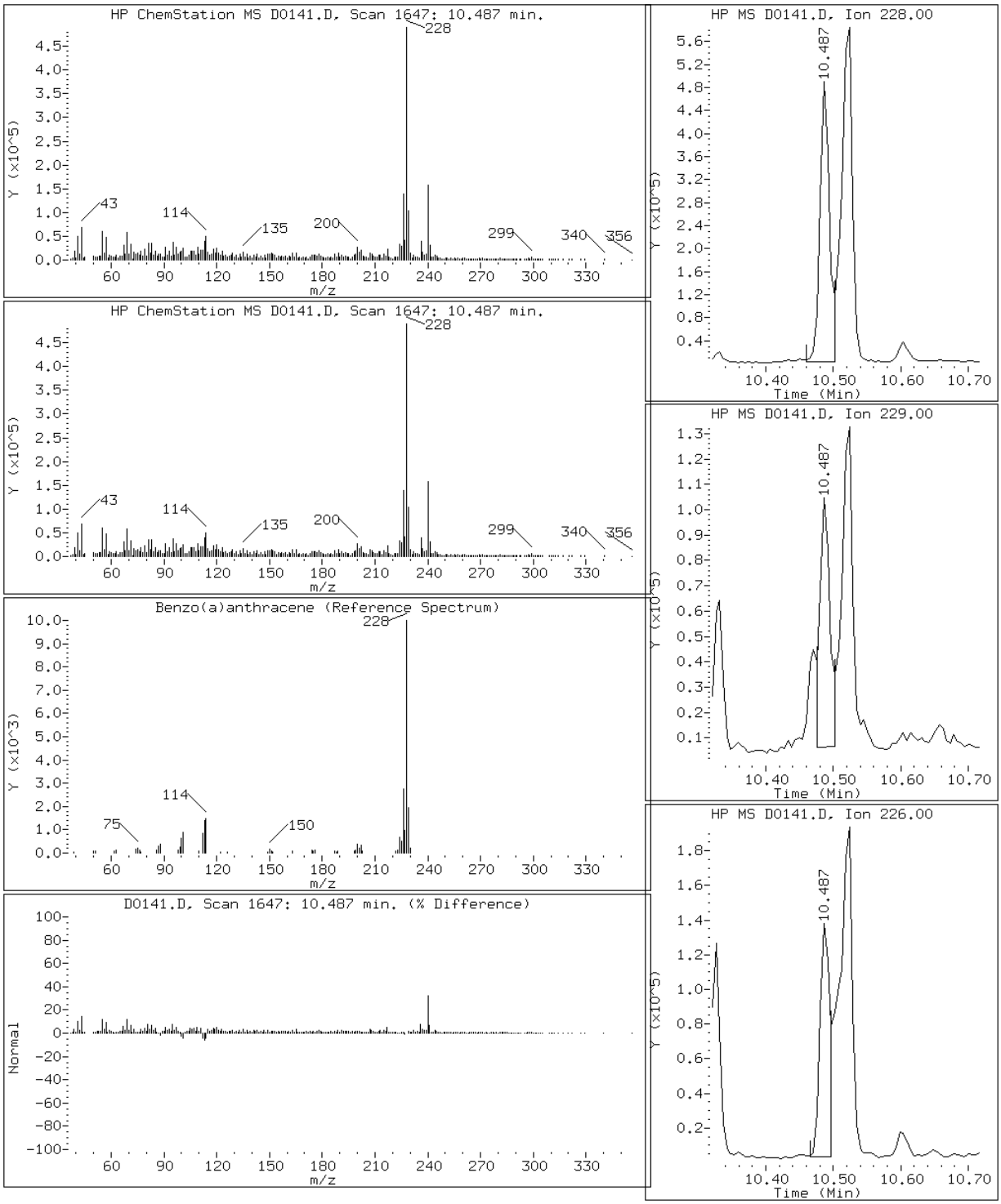
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

165 Benzo(a)anthracene



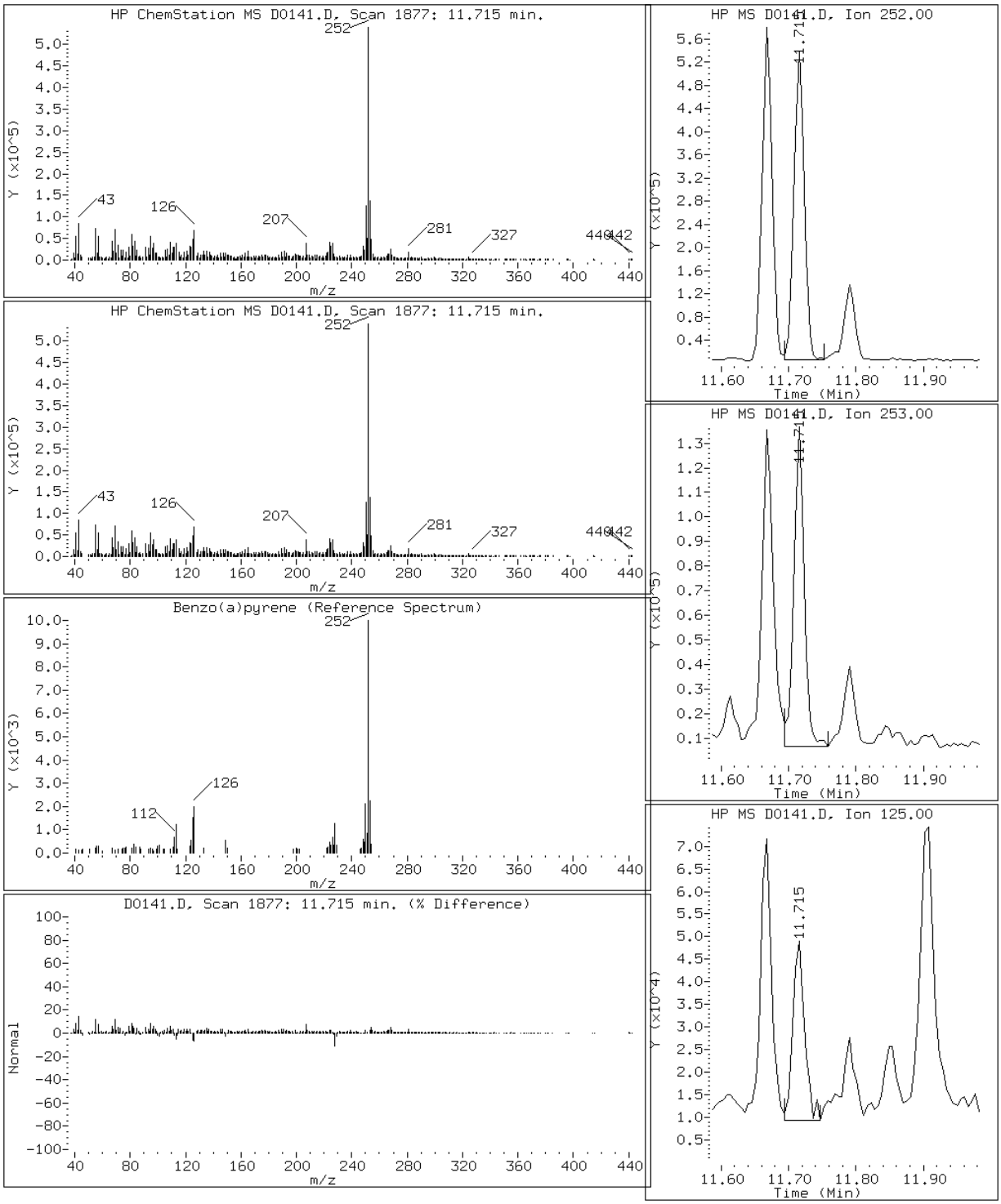
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

178 Benzo(a)pyrene



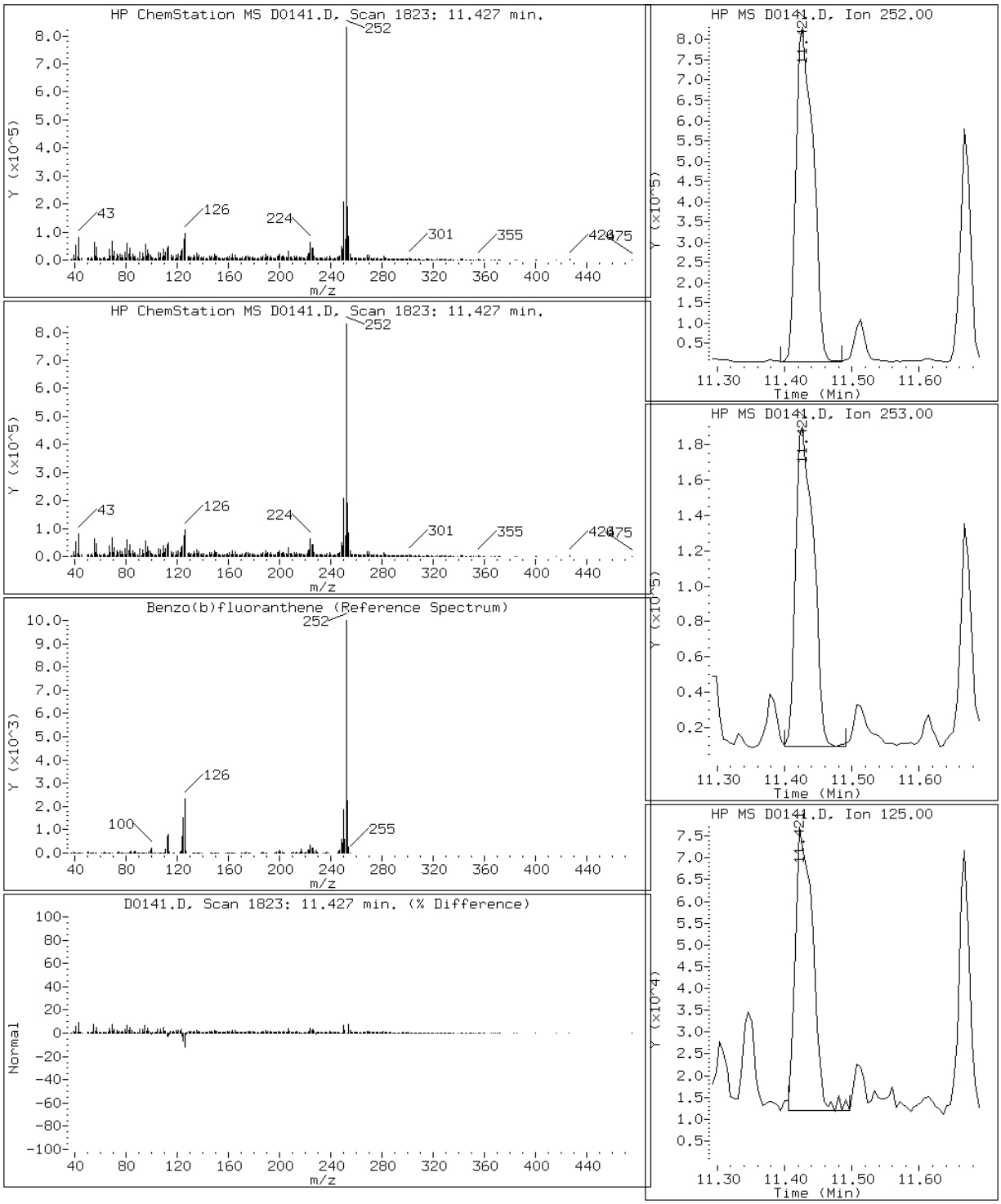
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Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

171 Benzo(b)fluoranthene



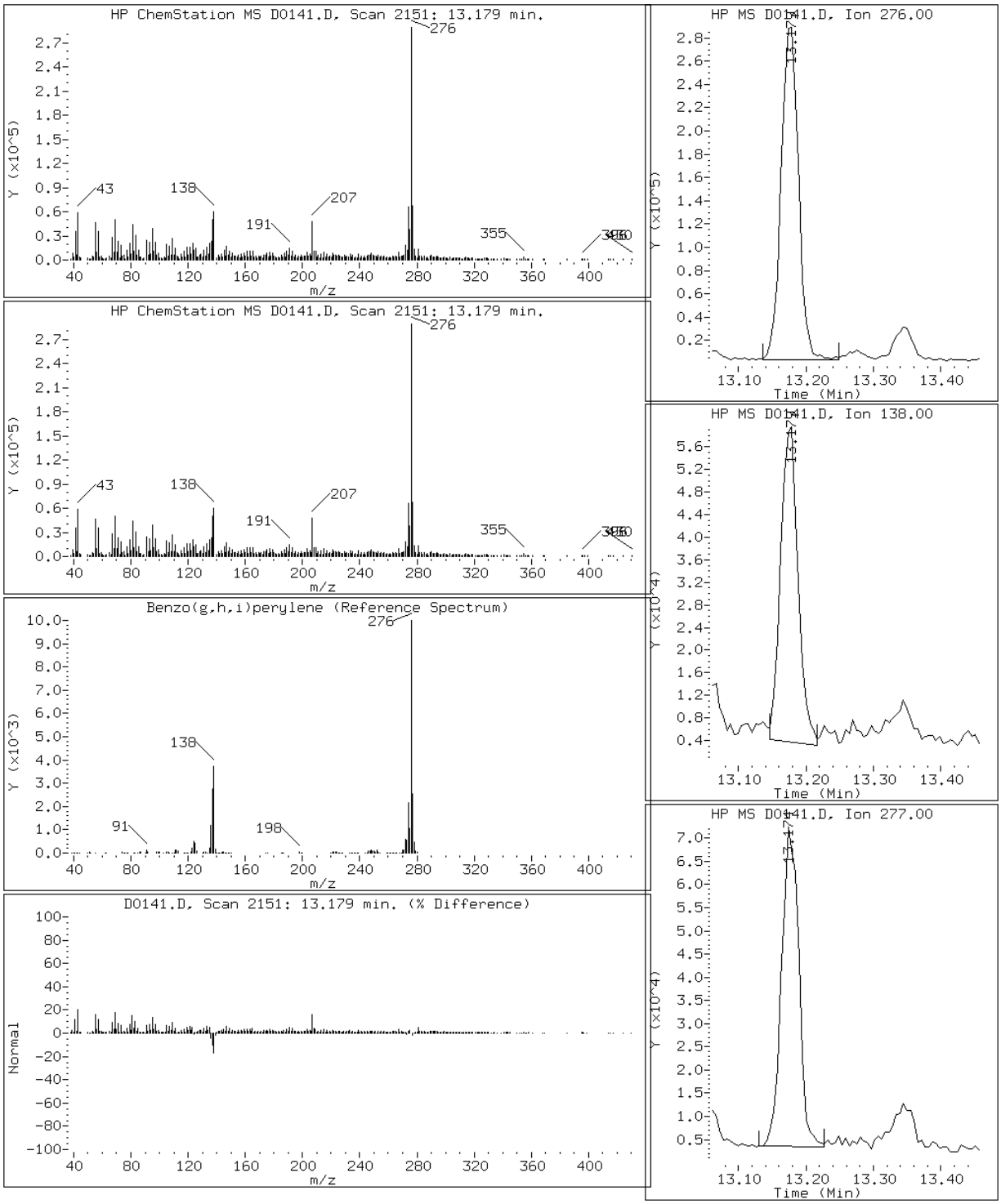
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

188 Benzo(g,h,i)perylene



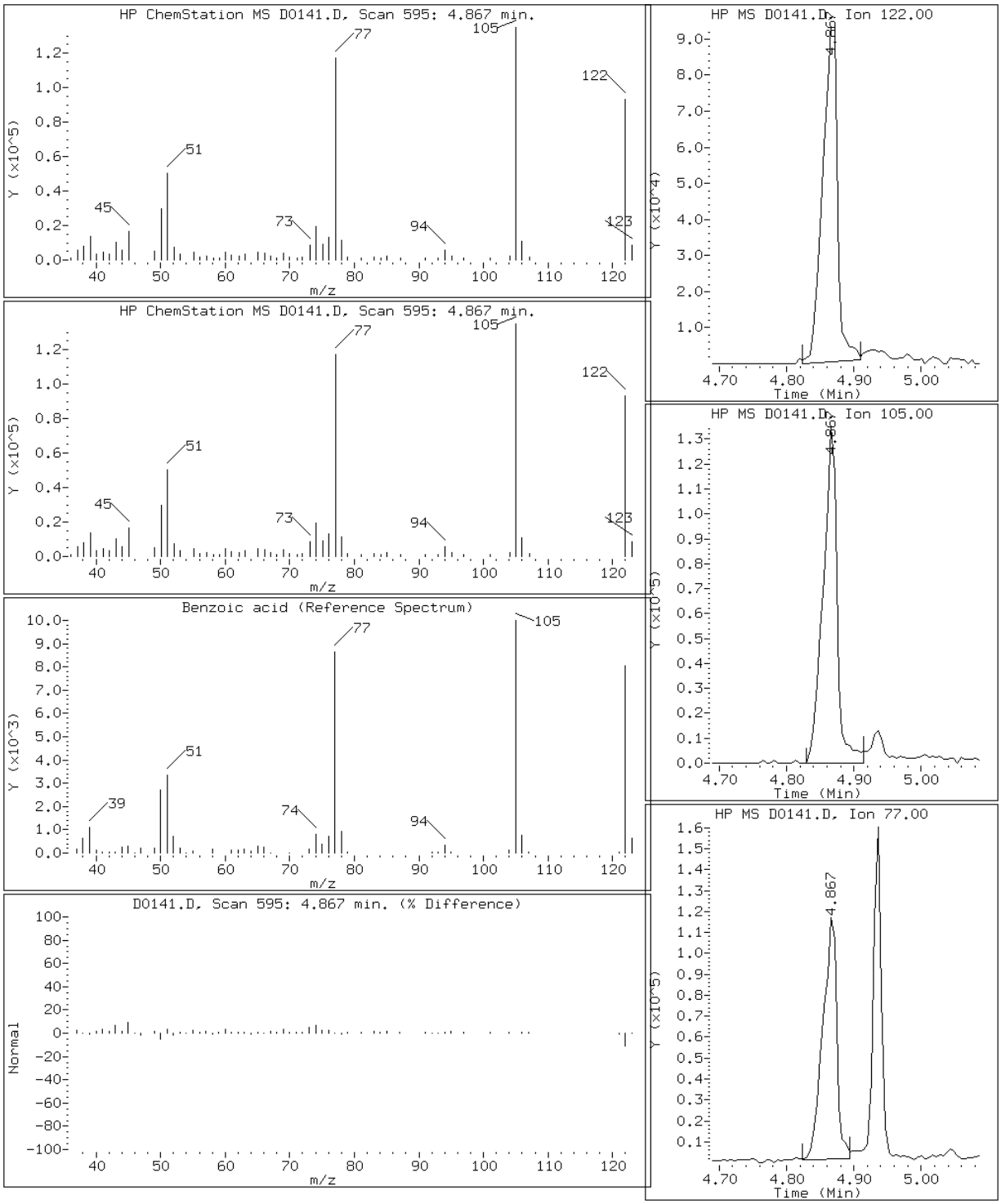
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

53 Benzoic acid



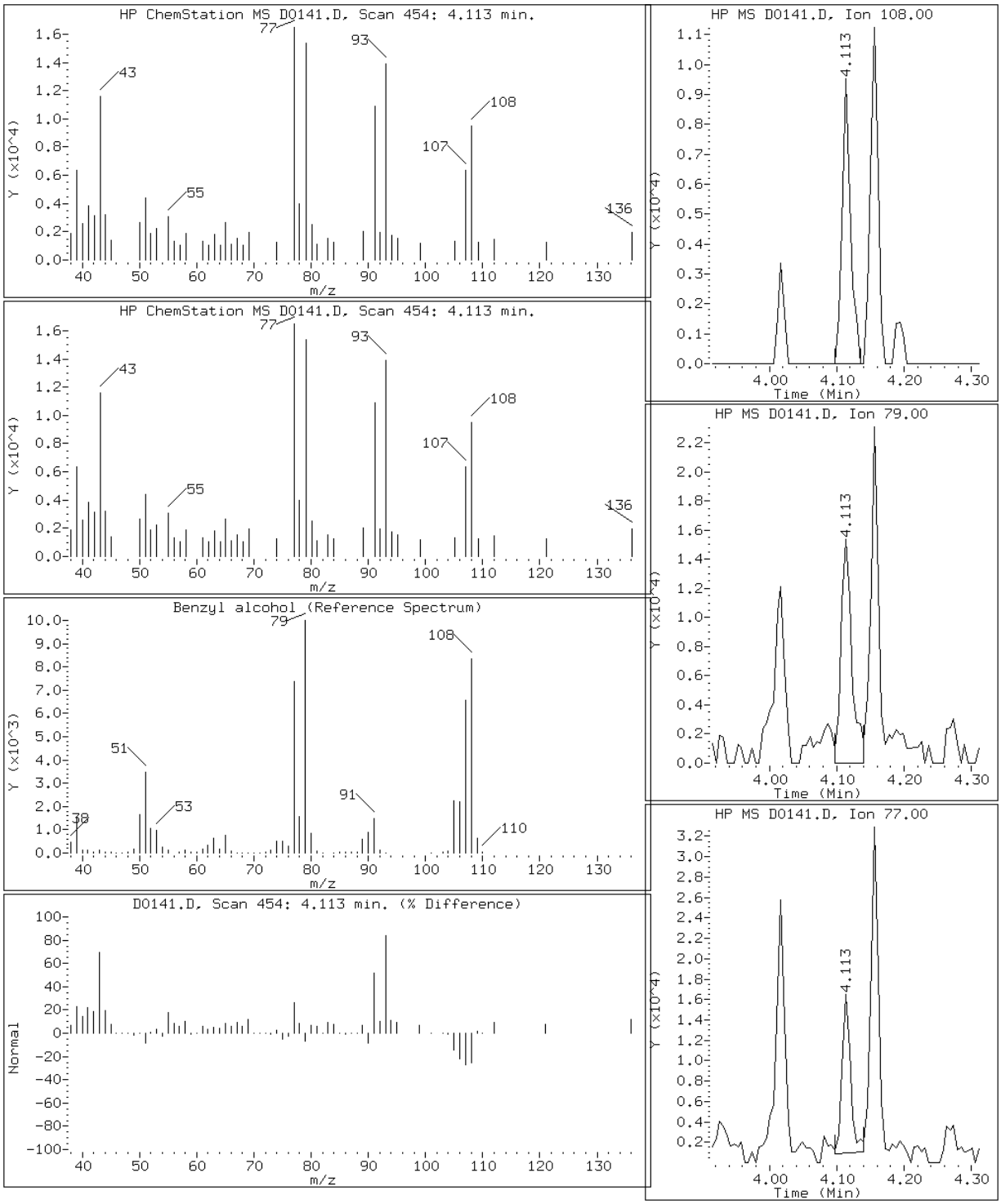
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

28 Benzyl alcohol



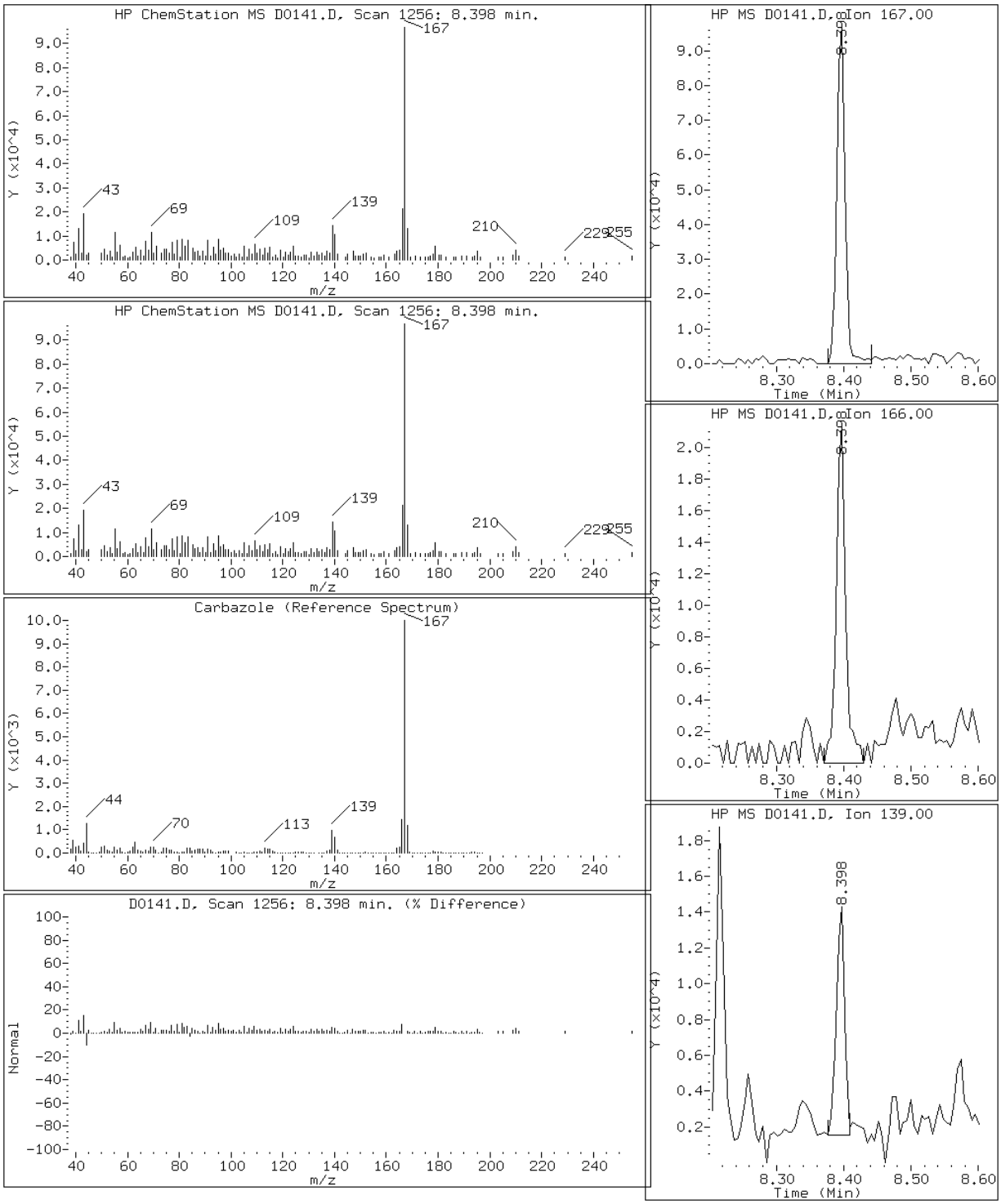
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

140 Carbazole



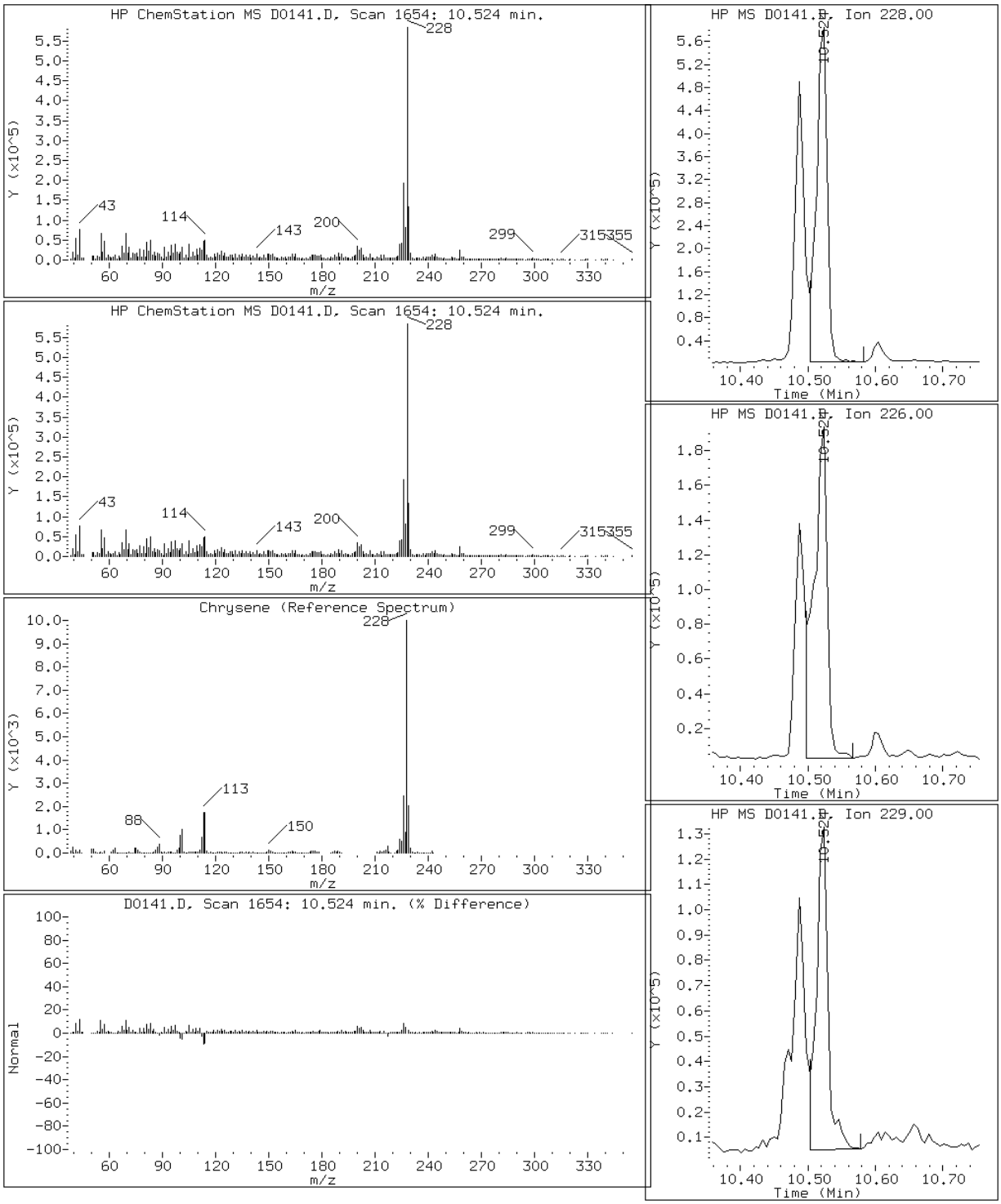
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

167 Chrysene



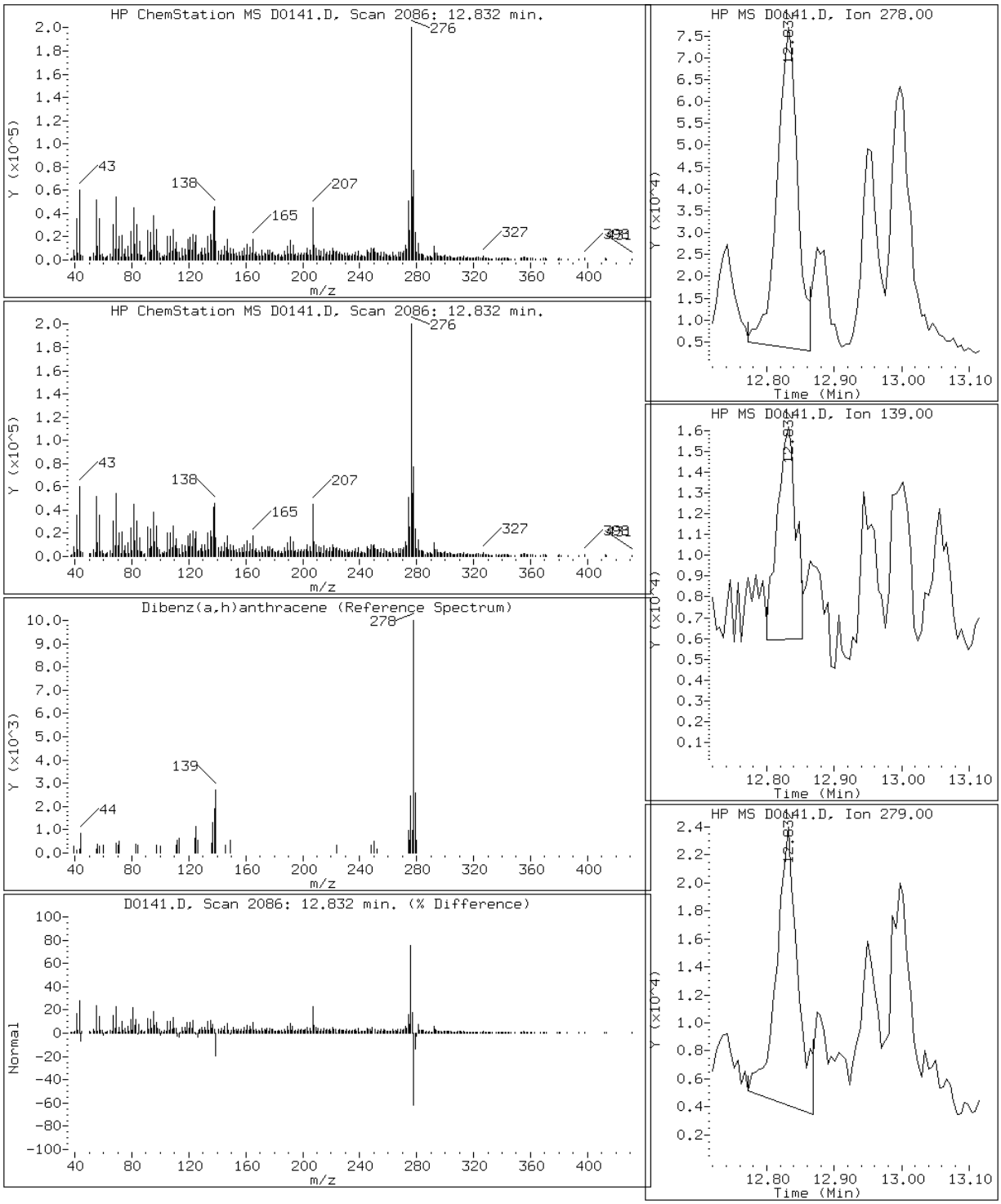
Data File: D0141.D

Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

185 Dibenz(a,h)anthracene



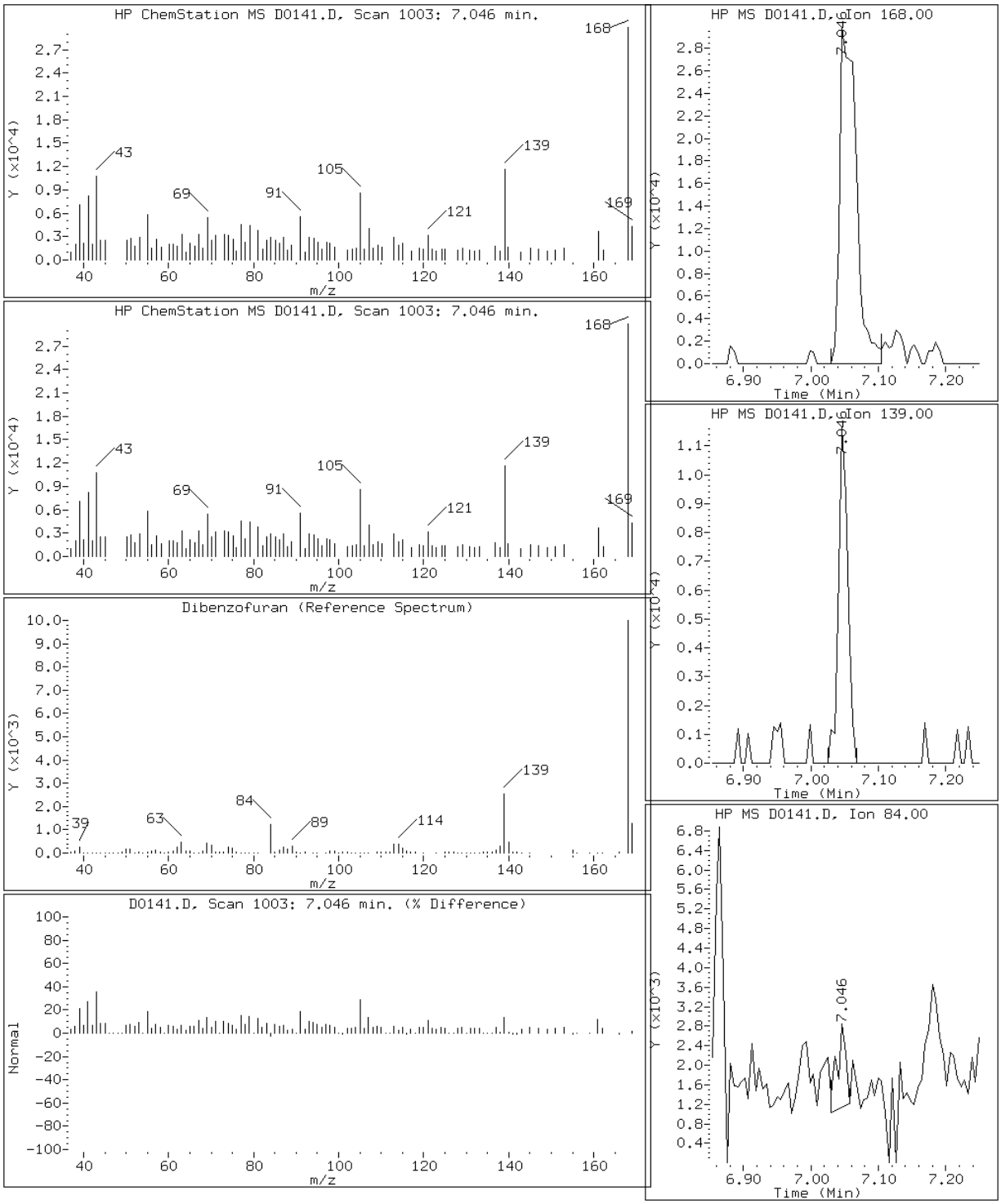
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

102 Dibenzofuran



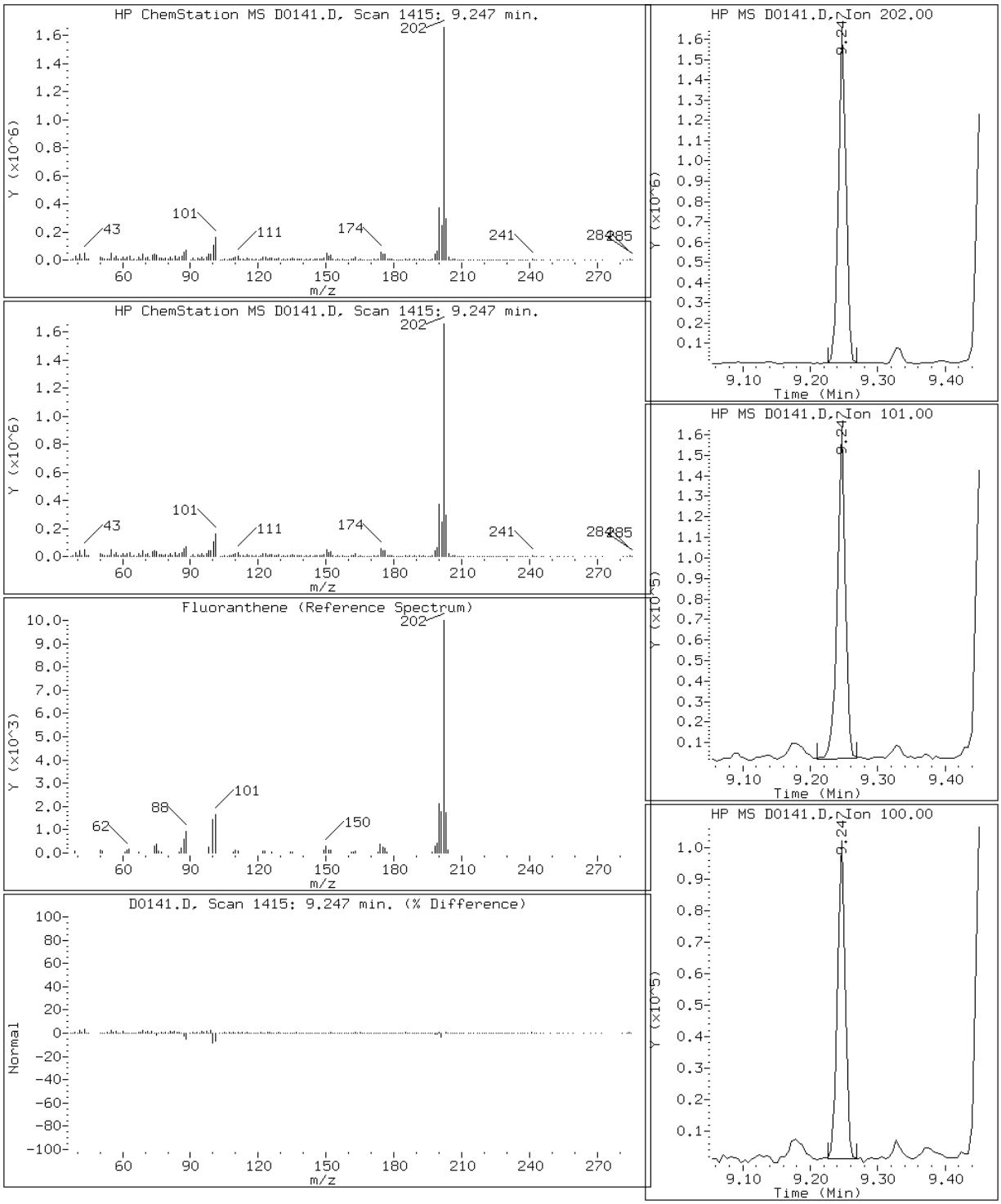
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Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

149 Fluoranthene



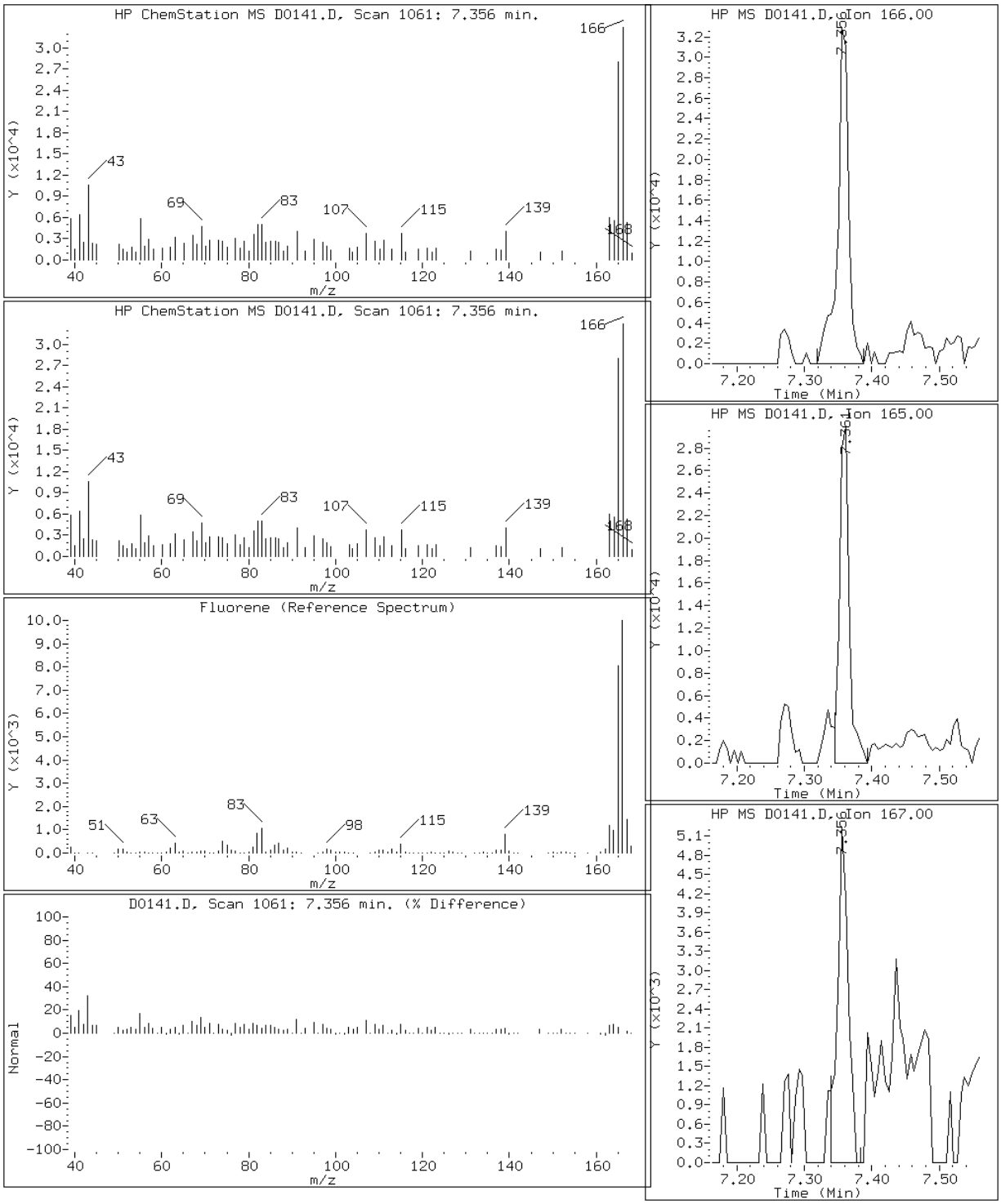
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Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

110 Fluorene



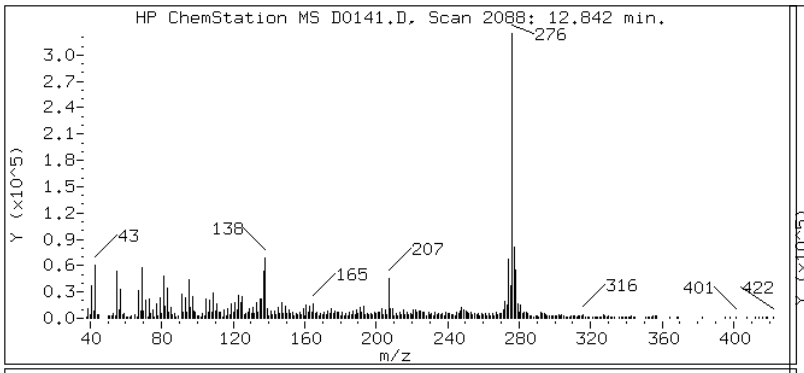
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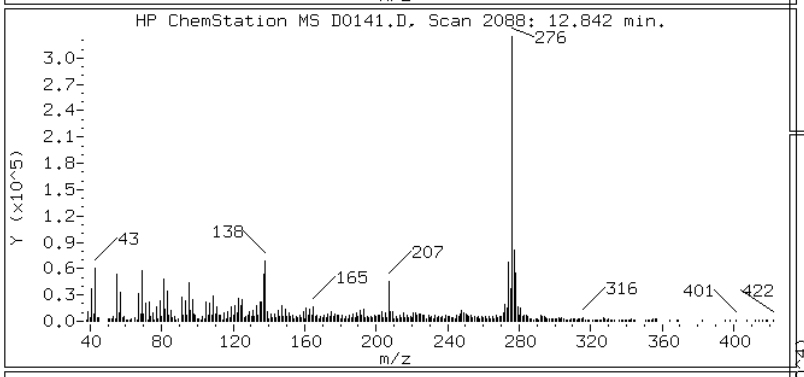
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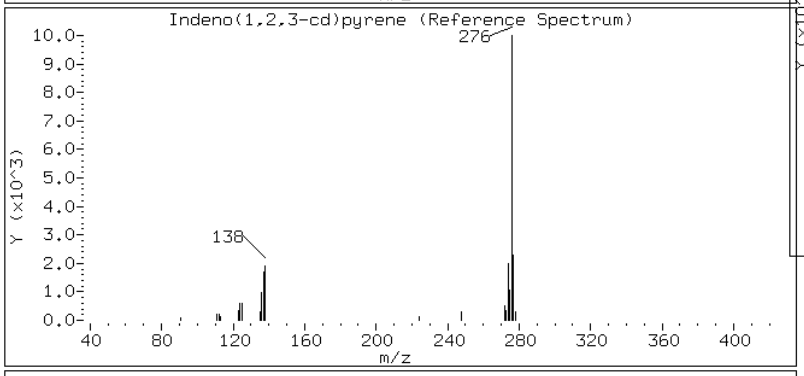
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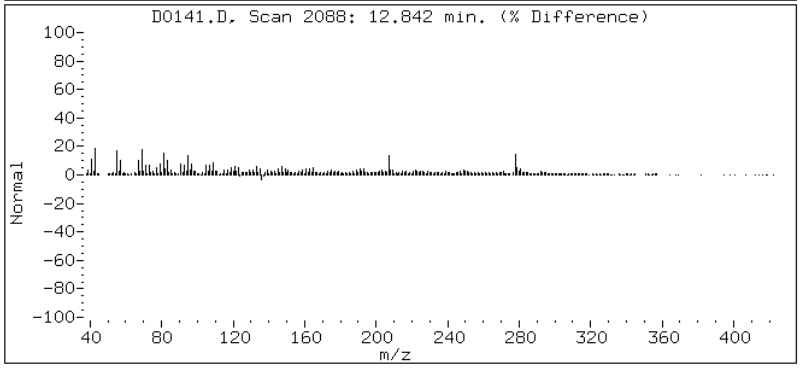
Sample Info: 280-27123-a-2-d Operator: hoffmanm

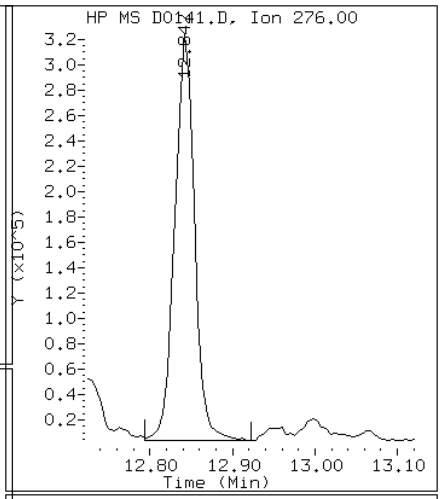
186 Indeno(1,2,3-cd)pyrene

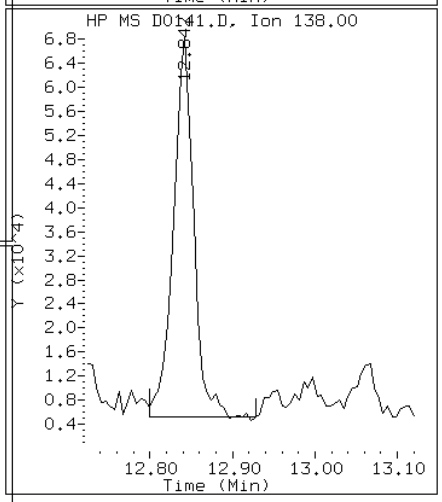












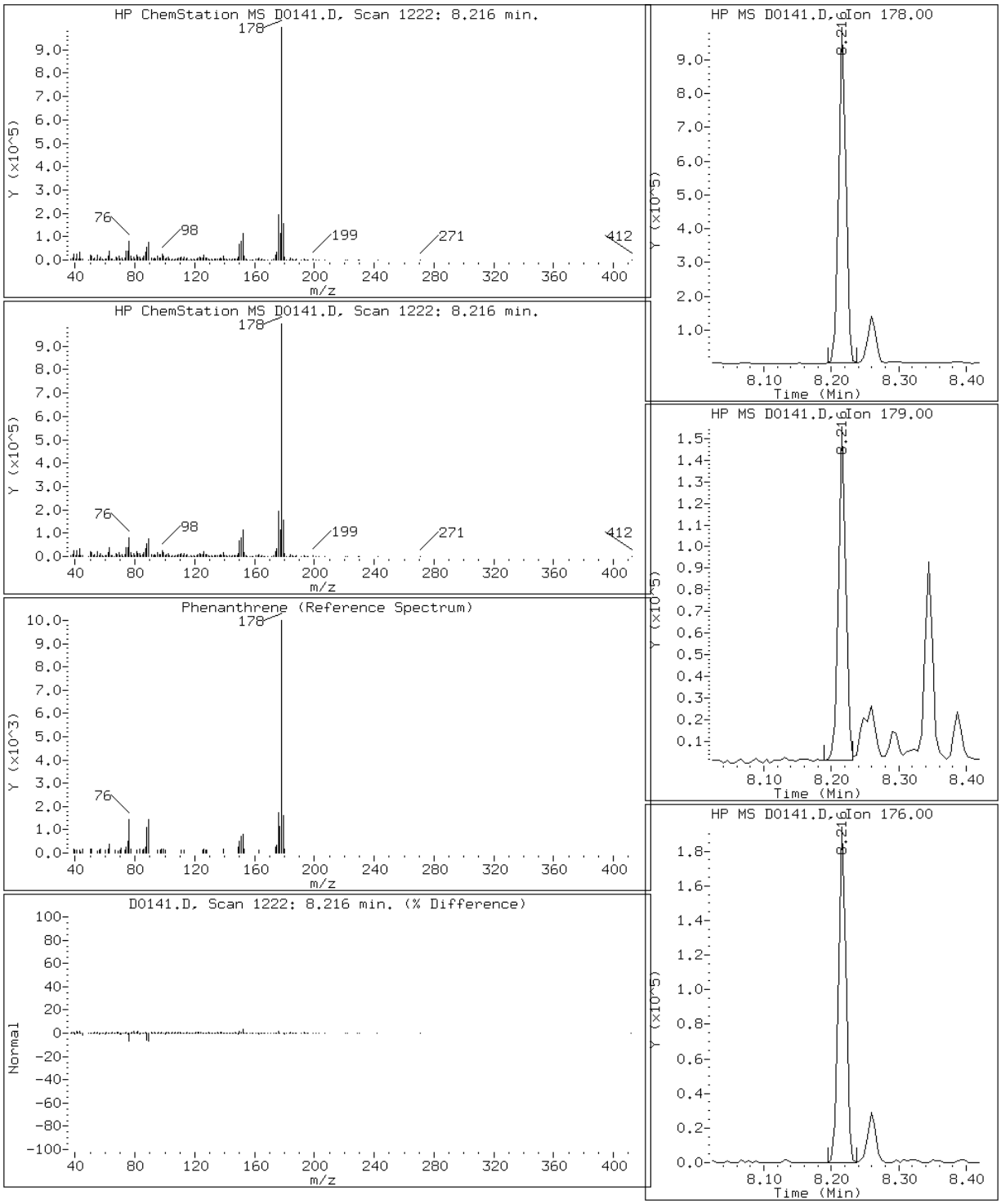
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Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

136 Phenanthrene



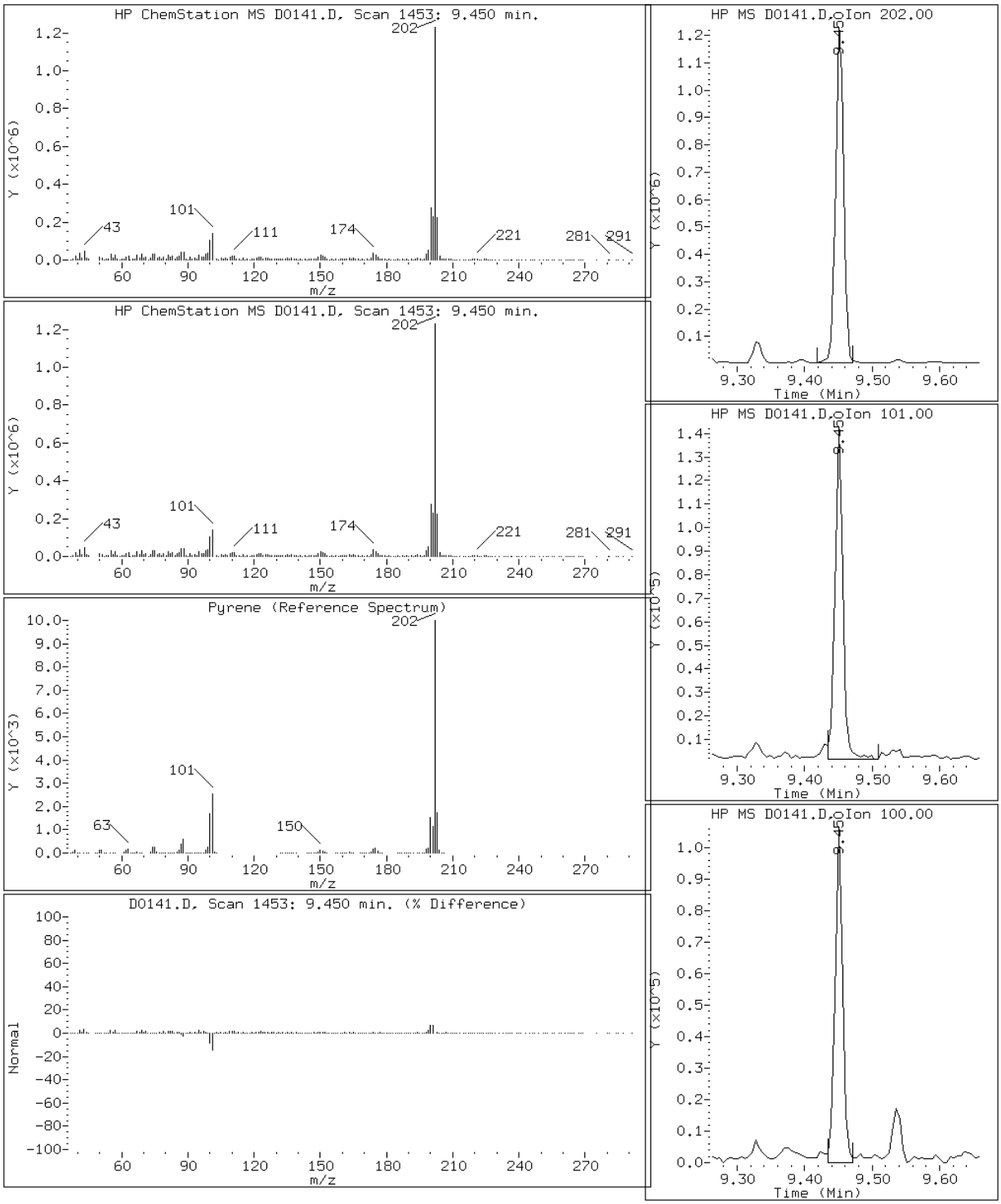
Data File: D0141.D

Date: 18-APR-2012 22:09

Client ID: UNK10201AA Instrument: D.i

Sample Info: 280-27123-a-2-d Operator: hoffmanm

152 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA | Lab Sample ID: 280-27123-3

Matrix: Solid | Lab File ID: D0142.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.0(g) | Date Analyzed: 04/18/2012 22:28

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

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	51	U	510	51	77
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	510	100	76
120-82-1	1,2,4-Trichlorobenzene	51	U	510	51	43
95-50-1	1,2-Dichlorobenzene	51	U	510	51	34
122-66-7	1,2-Diphenylhydrazine	51	U	510	51	34
541-73-1	1,3-Dichlorobenzene	51	U	510	51	19
106-46-7	1,4-Dichlorobenzene	51	U	510	51	21
108-60-1	2,2'-oxybis[1-chloropropane]	51	U	510	51	36
58-90-2	2,3,4,6-Tetrachlorophenol	51	U	2500	51	210
95-95-4	2,4,5-Trichlorophenol	200	U	510	200	15
88-06-2	2,4,6-Trichlorophenol	100	U	510	100	15
120-83-2	2,4-Dichlorophenol	100	U	510	100	15
105-67-9	2,4-Dimethylphenol	200	U	510	200	100
51-28-5	2,4-Dinitrophenol	1000	U	2500	1000	510
121-14-2	2,4-Dinitrotoluene	200	U	510	200	100
87-65-0	2,6-Dichlorophenol	200	U	510	200	110
606-20-2	2,6-Dinitrotoluene	100	U	510	100	43
91-58-7	2-Chloronaphthalene	51	U	510	51	15
95-57-8	2-Chlorophenol	51	U	510	51	32
91-57-6	2-Methylnaphthalene	51	U	510	51	29
95-48-7	2-Methylphenol	51	U	510	51	20
88-74-4	2-Nitroaniline	100	U	2500	100	77
88-75-5	2-Nitrophenol	100	U	510	100	15
15831-10-4	3 & 4 Methylphenol	100	U	510	100	51
91-94-1	3,3'-Dichlorobenzidine	510	U J	2500	510	140
99-09-2	3-Nitroaniline	210	U	2500	210	110
534-52-1	4,6-Dinitro-2-methylphenol	1000	U	2500	1000	510
101-55-3	4-Bromophenyl phenyl ether	51	U	510	51	29
59-50-7	4-Chloro-3-methylphenol	200	U	510	200	100
106-47-8	4-Chloroaniline	200	U	510	200	130
7005-72-3	4-Chlorophenyl phenyl ether	100	U	510	100	32
100-01-6	4-Nitroaniline	200	U J	2500	200	110
100-02-7	4-Nitrophenol	510	U	2500	510	150
83-32-9	Acenaphthene	33	J	510	26	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA | Lab Sample ID: 280-27123-3

Matrix: Solid | Lab File ID: D0142.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.0(g) | Date Analyzed: 04/18/2012 22:28

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

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	51	U	510	51	26
98-86-2	Acetophenone	51	U	510	51	31
120-12-7	Anthracene	91	J	510	51	26
1912-24-9	Atrazine	200	U	510	200	57
100-52-7	Benzaldehyde	100	U	510	100	60
92-87-5	Benzidine	6100	U	6200	6100	1500
56-55-3	Benzo[a]anthracene	190	J	510	51	31
50-32-8	Benzo[a]pyrene	250	J	510	51	31
205-99-2	Benzo[b]fluoranthene	460	J K	510	51	40
191-24-2	Benzo[g,h,i]perylene	230	J	510	51	25
207-08-9	Benzo[k]fluoranthene	100	U K	510	100	62
65-85-0	Benzoic acid	4400		2500	1000	510
100-51-6	Benzyl alcohol	130	J	510	51	15
111-91-1	Bis(2-chloroethoxy)methane	100	U	510	100	36
111-44-4	Bis(2-chloroethyl)ether	51	U	510	51	26
117-81-7	Bis(2-ethylhexyl) phthalate	100	U	510	100	71
85-68-7	Butyl benzyl phthalate	100	U	510	100	66
105-60-2	Caprolactam	510	U	2500	510	160
86-74-8	Carbazole	100	U	510	100	56
218-01-9	Chrysene	250	J	510	51	42
53-70-3	Dibenz(a,h)anthracene	210	J	510	51	29
132-64-9	Dibenzofuran	51	U	510	51	31
84-66-2	Diethyl phthalate	51	U	1000	51	40
131-11-3	Dimethyl phthalate	51	U	510	51	36
84-74-2	Di-n-butyl phthalate	100	J	510	51	45
117-84-0	Di-n-octyl phthalate	100	U	510	100	22
206-44-0	Fluoranthene	380	J	510	100	56
86-73-7	Fluorene	49	J	510	51	28
118-74-1	Hexachlorobenzene	100	U	510	100	45
87-68-3	Hexachlorobutadiene	100	U	510	100	15
77-47-4	Hexachlorocyclopentadiene	100	U J	2600	100	77
67-72-1	Hexachloroethane	51	U	510	51	33
193-39-5	Indeno[1,2,3-cd]pyrene	190	J	510	51	34
78-59-1	Isophorone	51	U	510	51	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA | Lab Sample ID: 280-27123-3

Matrix: Solid | Lab File ID: D0142.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.0(g) | Date Analyzed: 04/18/2012 22:28

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

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	100	U	510	100	48
98-95-3	Nitrobenzene	51	U	510	51	34
62-75-9	N-Nitrosodimethylamine	100	U	800	100	57
621-64-7	N-Nitrosodi-n-propylamine	100	U	510	100	48
86-30-6	N-Nitrosodiphenylamine	51	U	510	51	32
930-55-2	N-Nitrosopyrrolidine	200	U	510	200	99
87-86-5	Pentachlorophenol	1000	U	2500	1000	510
85-01-8	Phenanthrene	290	J	510	51	26
108-95-2	Phenol	51	U	510	51	28
129-00-0	Pyrene	320	J	620	51	19

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	96		35-125
321-60-8	2-Fluorobiphenyl	87		45-105
367-12-4	2-Fluorophenol (Surr)	85		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	82		35-100
4165-62-2	Phenol-d5 (Surr)	89		40-100
1718-51-0	Terphenyl-d14 (Surr)	97		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0142.D
Lab Smp Id: 280-27123-A-3-D Client Smp ID: UNK10301AA
Inj Date : 18-APR-2012 22:28
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-3-d
Misc Info : 280-27123-A-3-D
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.000	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	26 1,4-Dichlorobenzene-d4	152	4.017	4.020	(1.000)	228986	40.0000	
*	58 Naphthalene-d8	136	5.193	5.190	(1.000)	833518	40.0000	
*	96 Acenaphthene-d10	164	6.865	6.867	(1.000)	530874	40.0000	
*	135 Phenanthrene-d10	188	8.195	8.198	(1.000)	949224	40.0000	
*	166 Chrysene-d12	240	10.497	10.521	(1.000)	1158066	40.0000	
*	179 Perylene-d12	264	11.769	11.819	(1.000)	1072523	40.0000	
$	8 2-Fluorophenol	112	2.960	2.953	(0.737)	960821	127.880	4262.67
$	15 Phenol-d5	99	3.654	3.653	(0.910)	1299232	133.977	4465.89
$	43 Nitrobenzene-d5	82	4.514	4.513	(0.869)	818231	82.3157	2743.86
$	81 2-Fluorobiphenyl	172	6.213	6.212	(0.905)	1673721	86.5203	2884.01
$	118 2,4,6-Tribromophenol	330	7.581	7.585	(1.104)	449041	144.423	4814.09
$	154 Terphenyl-d14	244	9.536	9.546	(0.908)	2266426	96.7616	3225.39
$	29 1,2-Dichlorobenzene-d4	152	4.156	4.161	(1.035)	440879	72.8931	2429.77
$	22 2-Chlorophenol-d4	132	3.825	3.824	(0.952)	1034829	128.781	4292.68
	4 1,4-Dioxane	88	Compound Not Detected.					
	5 N-Nitrosodimethylamine	74	Compound Not Detected.					
	6 Pyridine	79	Compound Not Detected.					
	9 2-Picoline	93	Compound Not Detected.					
	10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
	11 Methyl methanesulfonate	80	Compound Not Detected.					
	12 N-Nitrosodiethylamine	102	Compound Not Detected.					
	13 Ethyl methanesulfonate	79	Compound Not Detected.					

						CONCENTRATIONS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14 Benzaldehyde	106	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
24 Pentachloroethane	117	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
28 Benzyl alcohol	108	4.114	4.113	(1.024)	12326	2.45636	81.8786(a)
32 2-Methylphenol	108	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
39 N-Nitrosopyrrolidine	100	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
40 N-Nitrosomorpholine	116	Compound Not Detected.					
42 o-Toluidine	106	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
46 N-Nitrosopiperidine	114	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
51 O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	4.888	4.887	(0.941)	331893	85.1801	2839.34
55 a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61 2,6-Dichlorophenol	162	Compound Not Detected.					
63 Hexachloropropene	213	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
64 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66 p-Phenylenediamine	108	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
70 Safrole	162	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
75 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
76 Isosafrole (#1)	162	Compound Not Detected.					
84 Isosafrole (#2)	104	Compound Not Detected.					
87 1-Chloronaphthalene	162	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	6.891	6.896	(1.004)	10311	0.64699	21.5663(aH)
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	7.356	7.361	(1.072)	18192	0.94423	31.4744(a)
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	8.216	8.221	(1.003)	152446	5.60466	186.822(a)
137 Anthracene	178	8.259	8.263	(1.008)	48094	1.77510	59.1698(a)
140 Carbazole	167	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	8.622	8.627	(1.052)	54259	1.96590	65.5300(aQ)
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	9.247	9.252	(1.128)	226588	7.29762	243.254(a)
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.450	9.460	(0.900)	200491	6.13803	204.601(a)
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	Compound Not Detected.					
165	Benzo(a)anthracene	228	10.487	10.518	(0.999)	124132	3.77218	125.739(aH)
167	Chrysene	228	10.519	10.555	(1.002)	147787	4.88240	162.747(a)
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	11.422	11.490	(0.970)	234435	8.90792	296.931(aH)
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.715	11.784	(0.995)	114695	4.88660	162.887(aH)
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	12.837	12.922	(1.223)	87374	3.73308	124.436(aQH)
185	Dibenz(a,h)anthracene	278	12.832	12.916	(1.090)	32219	4.00310	133.437(aH)
188	Benzo(g,h,i)perylene	276	13.174	13.258	(1.119)	136051	4.50590	150.197(aH)
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

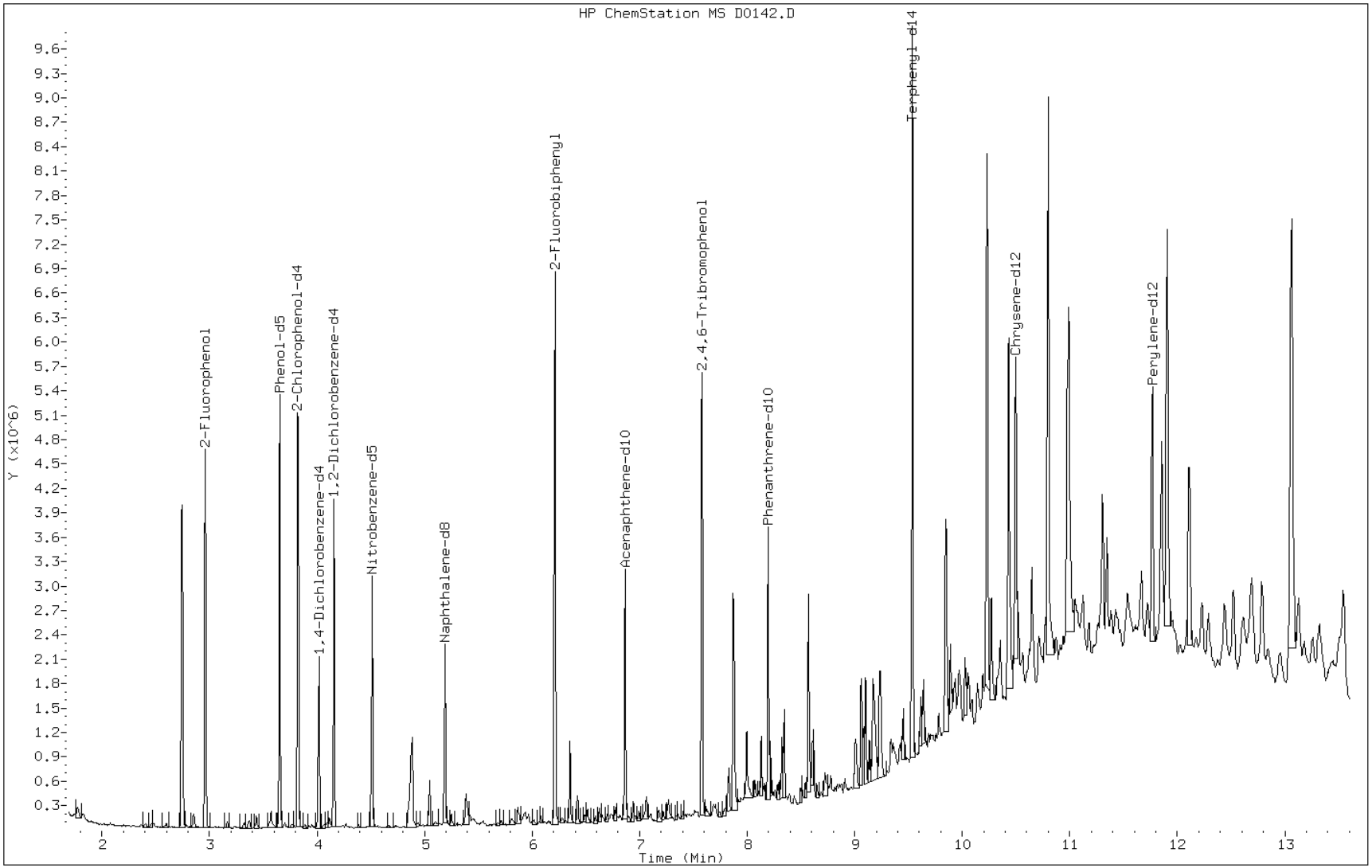
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm



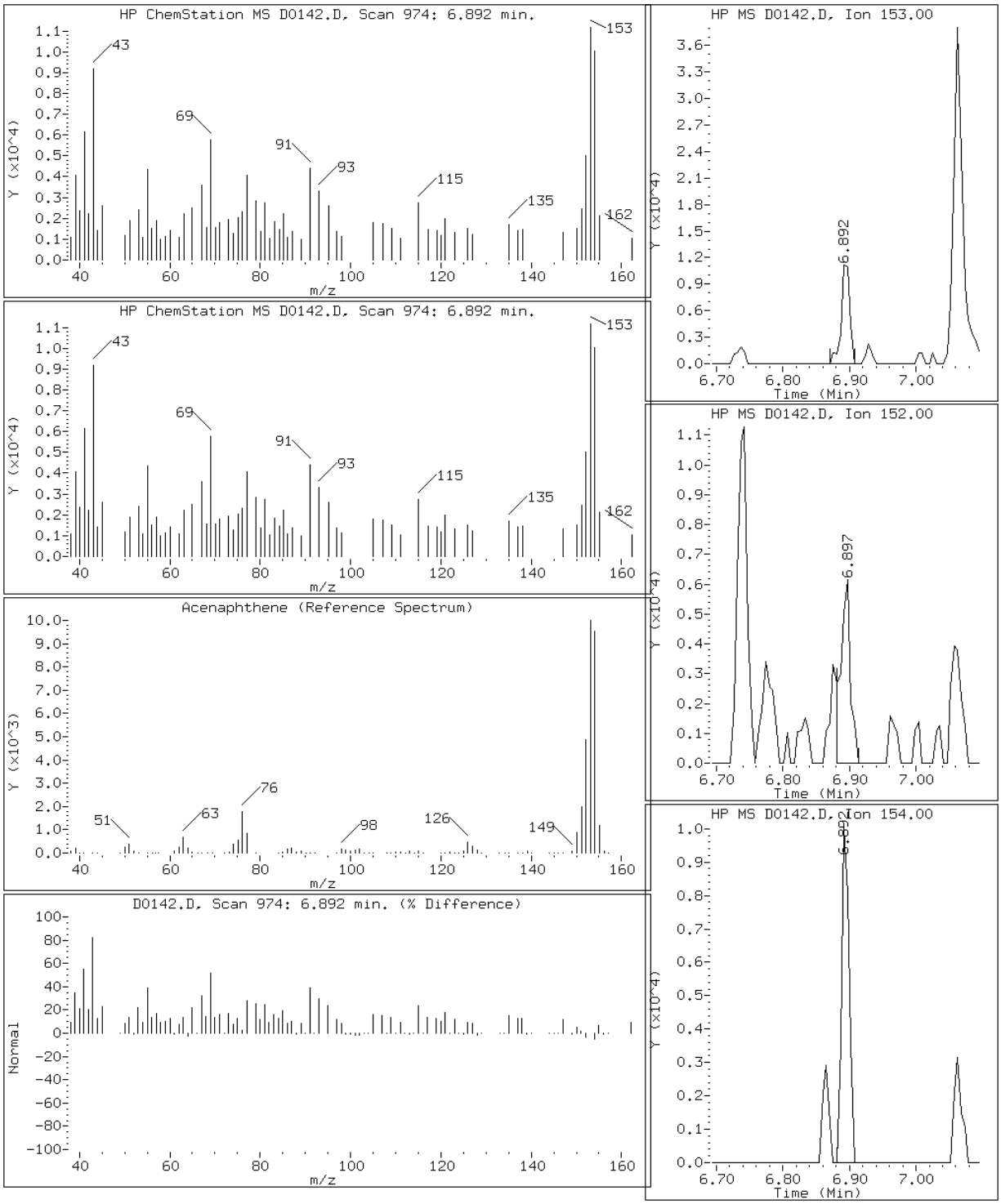
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

97 Acenaphthene



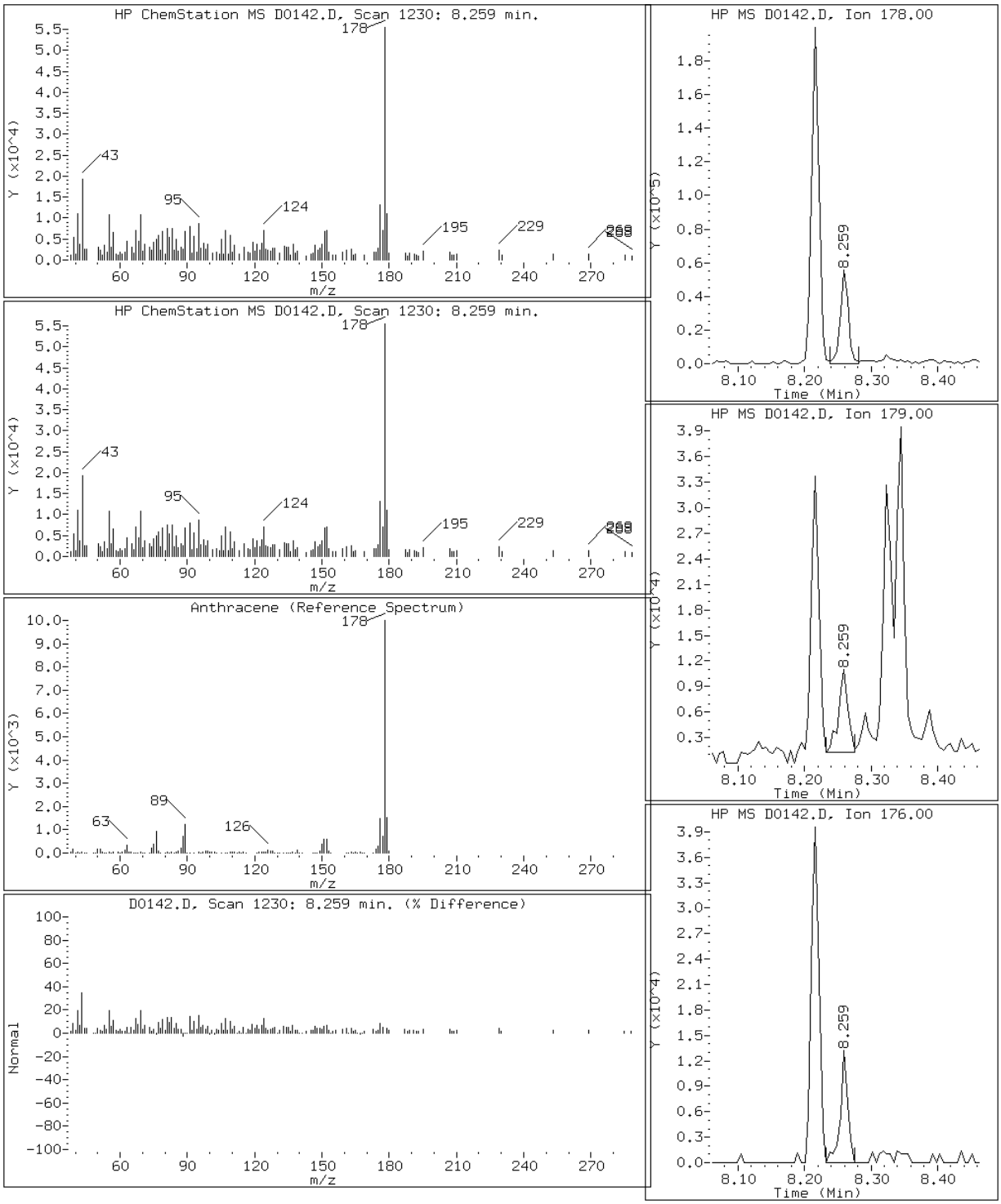
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Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

137 Anthracene



Data File: D0142.D

Date: 18-APR-2012 22:28

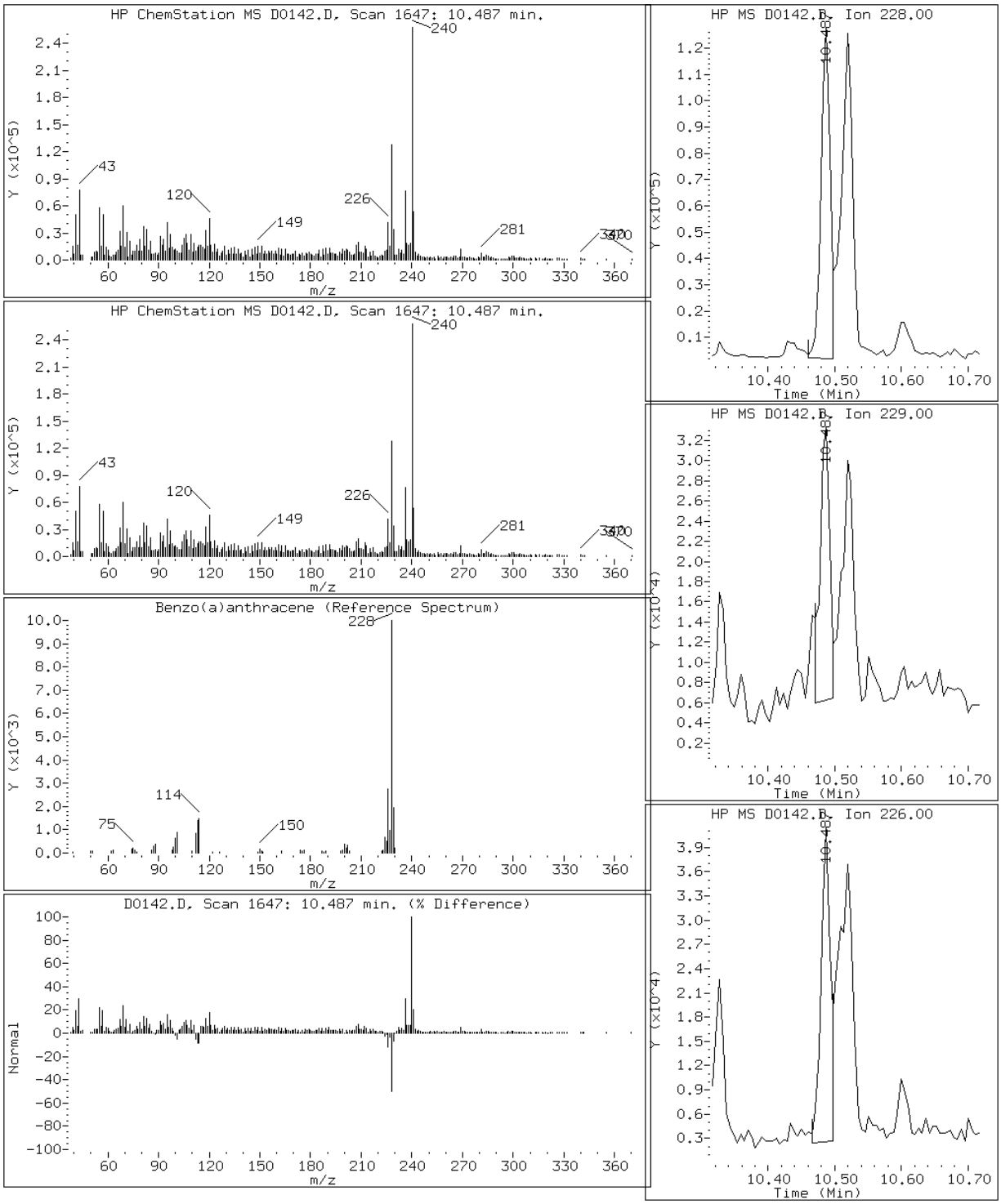
Client ID: UNK10301AA

Instrument: D.i

Sample Info: 280-27123-a-3-d

Operator: hoffmanm

165 Benzo(a)anthracene



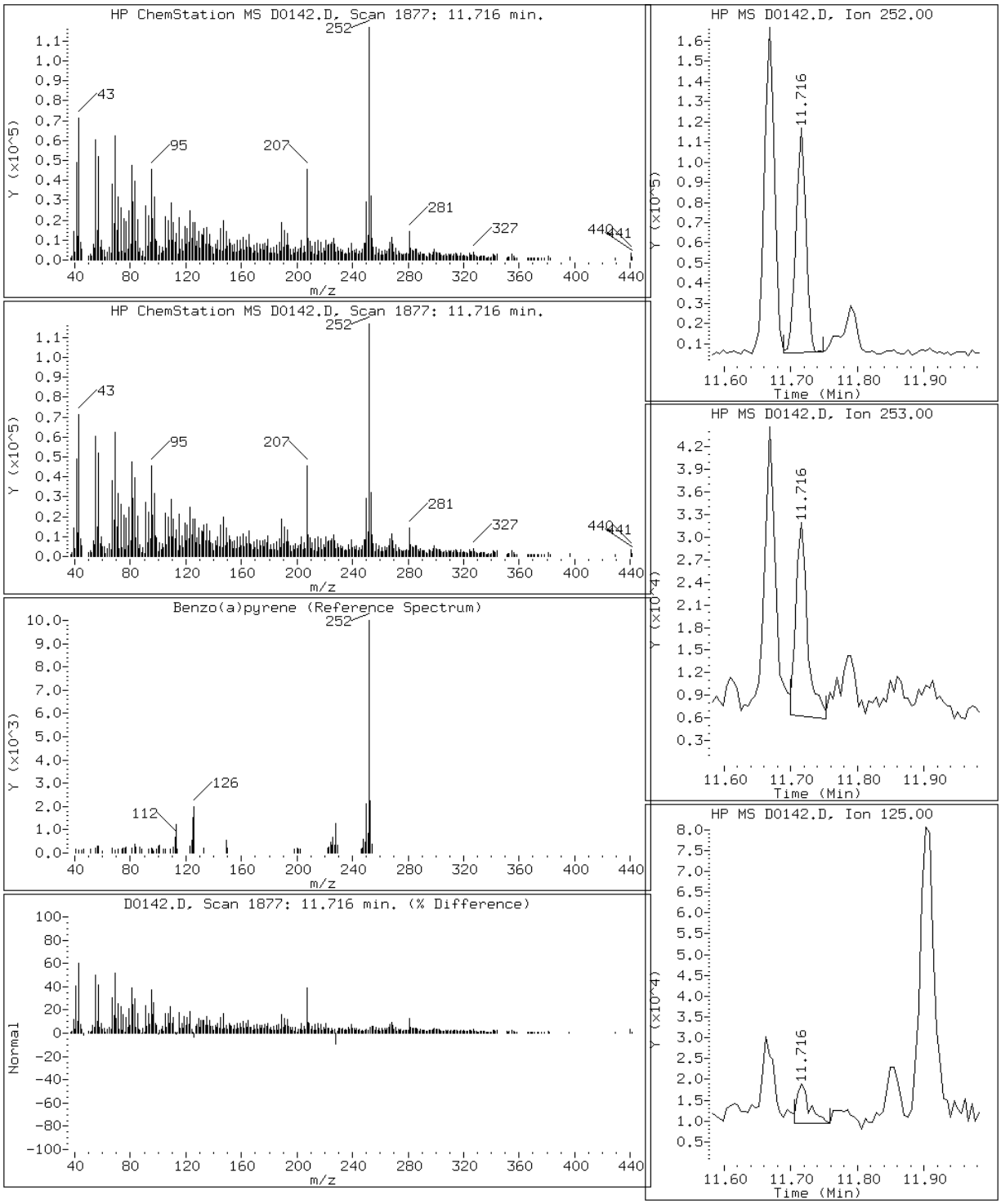
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

178 Benzo(a)pyrene



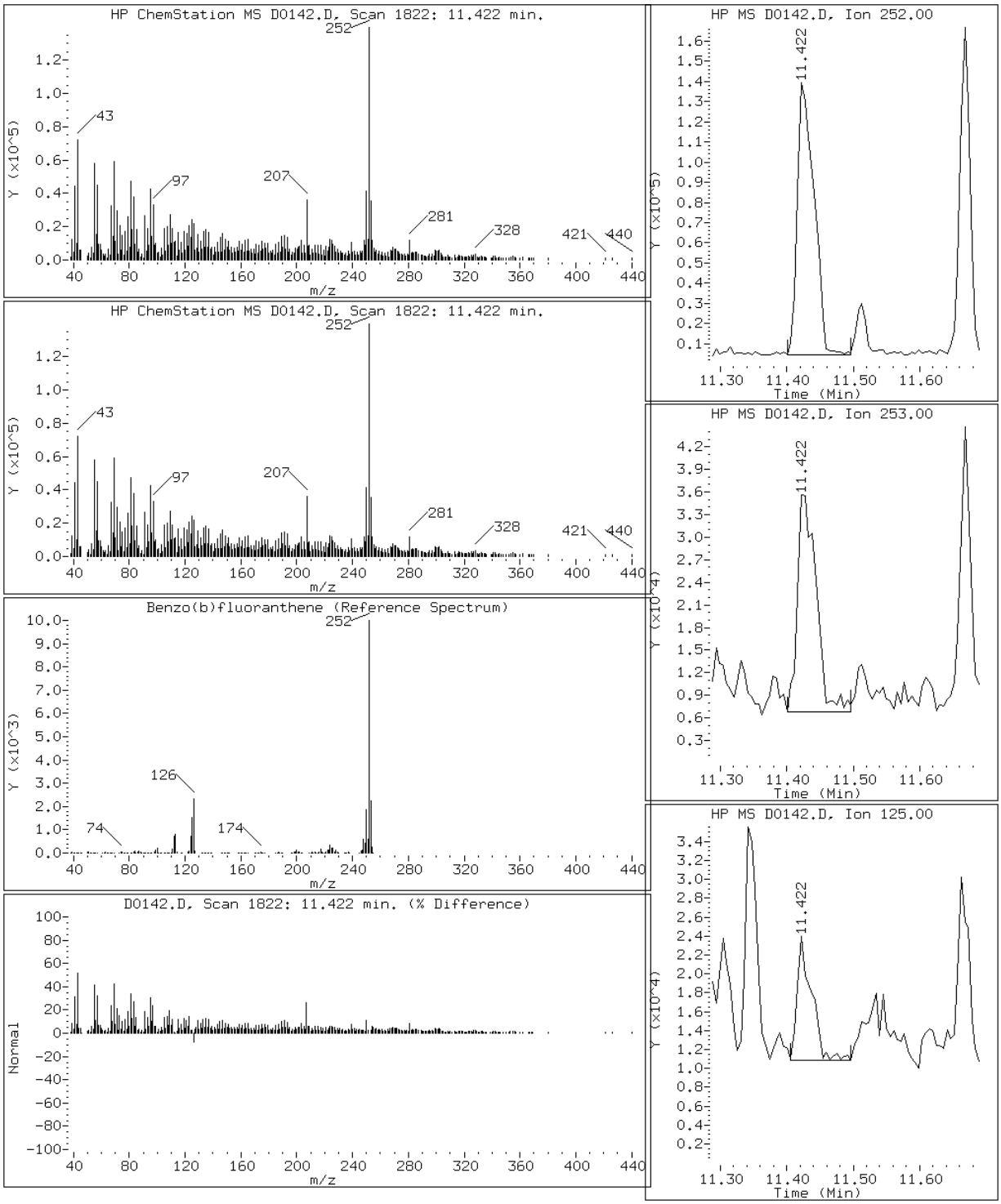
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

171 Benzo(b)fluoranthene



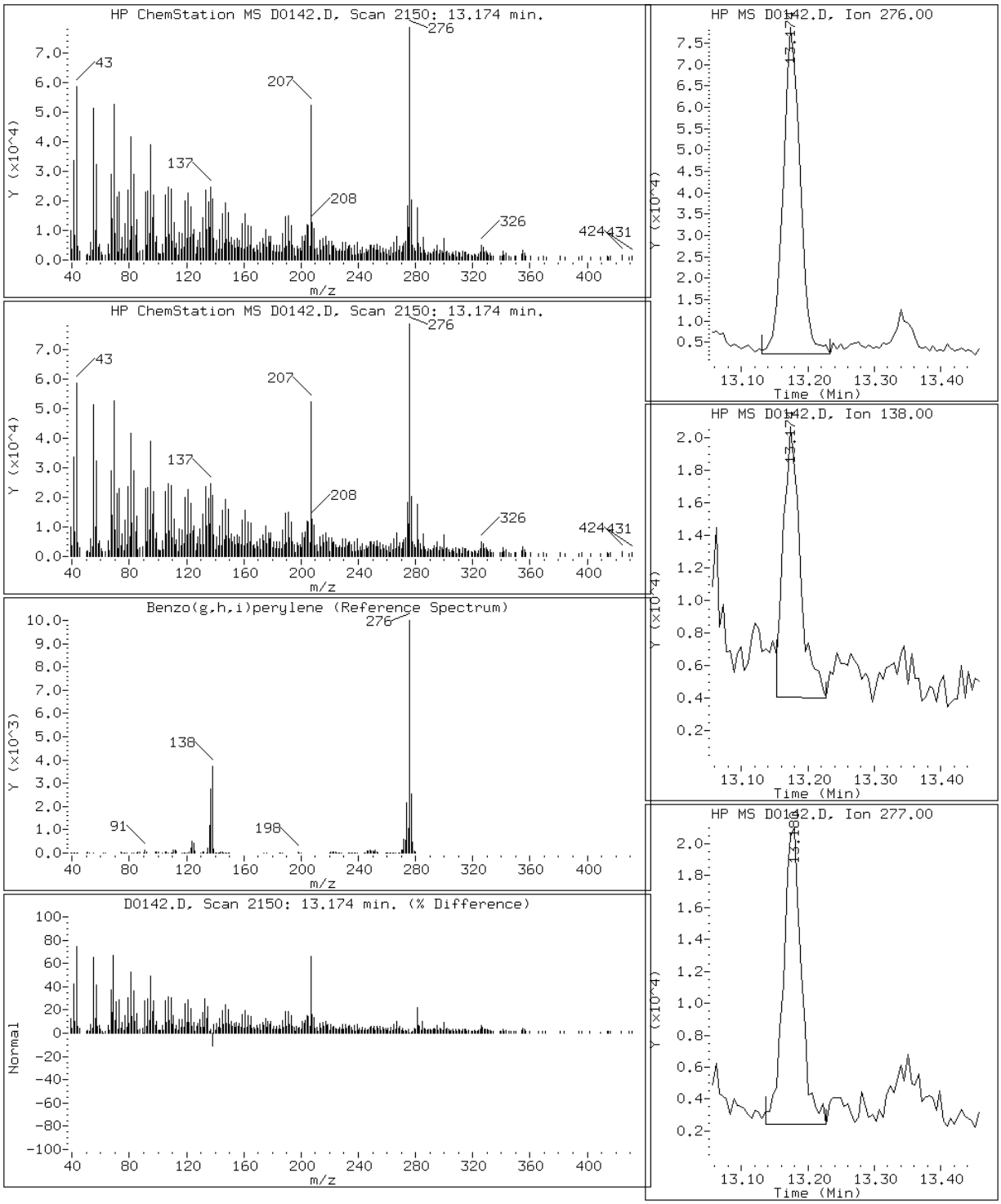
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

188 Benzo(g,h,i)perylene



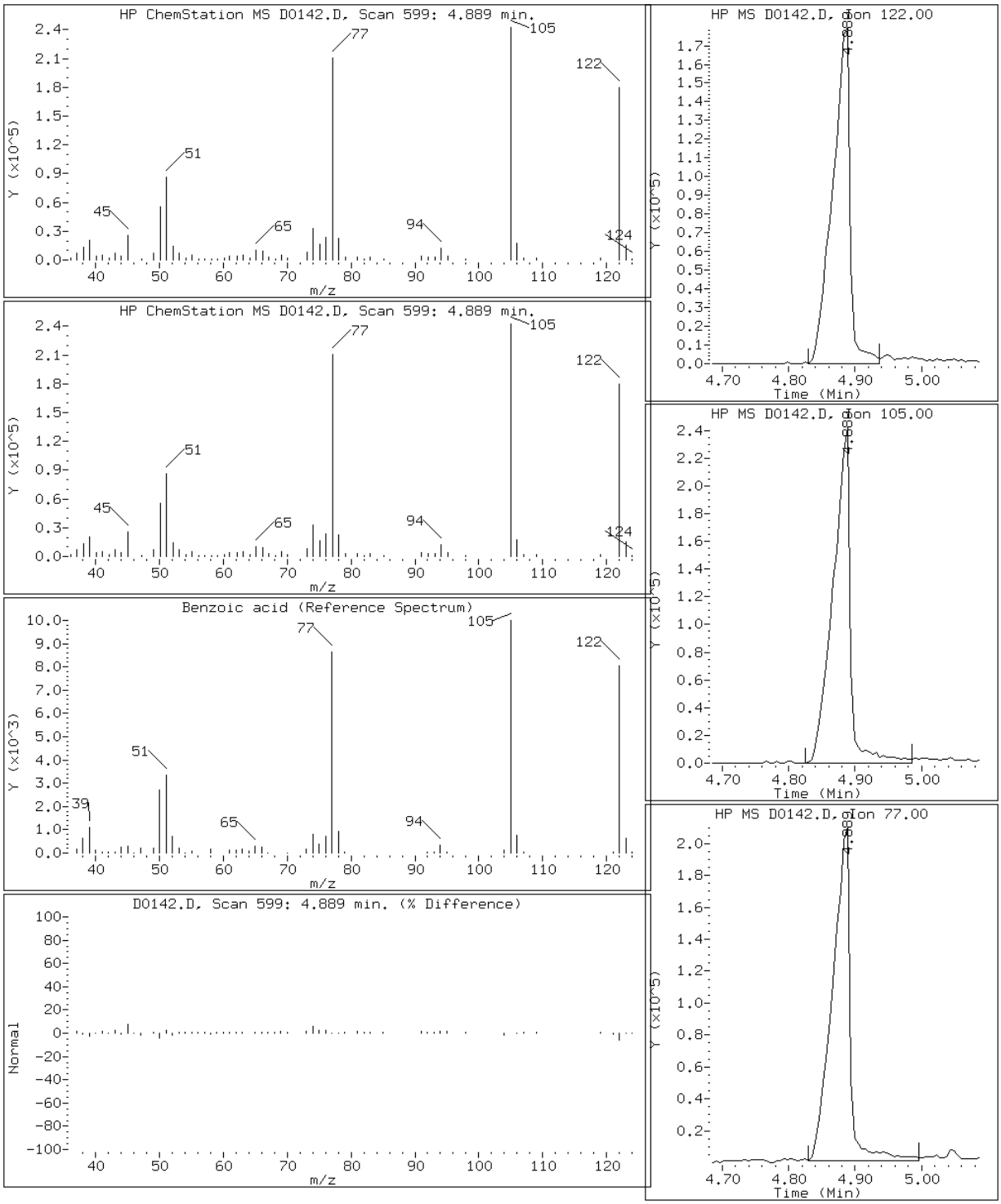
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

53 Benzoic acid



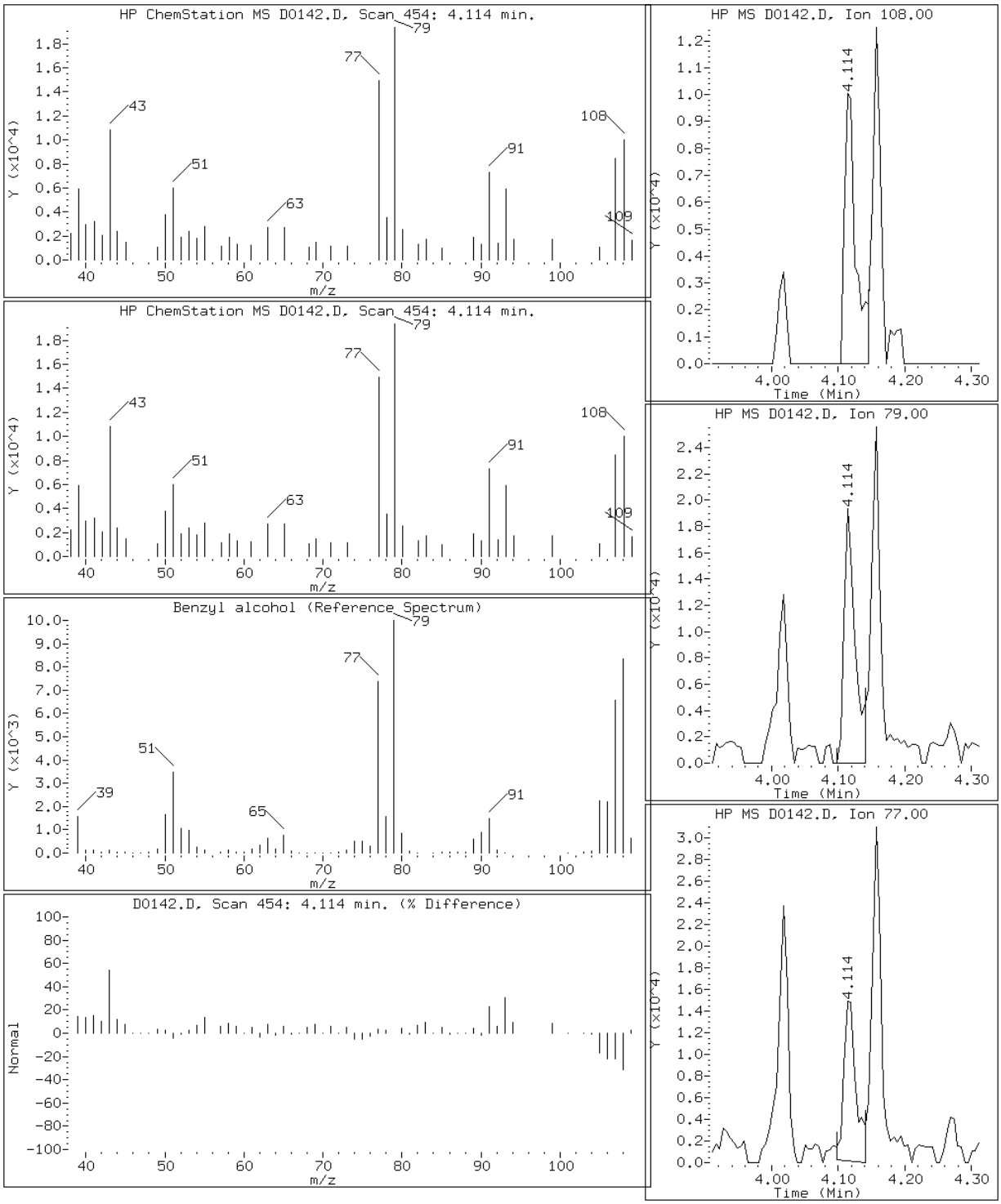
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Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

28 Benzyl alcohol



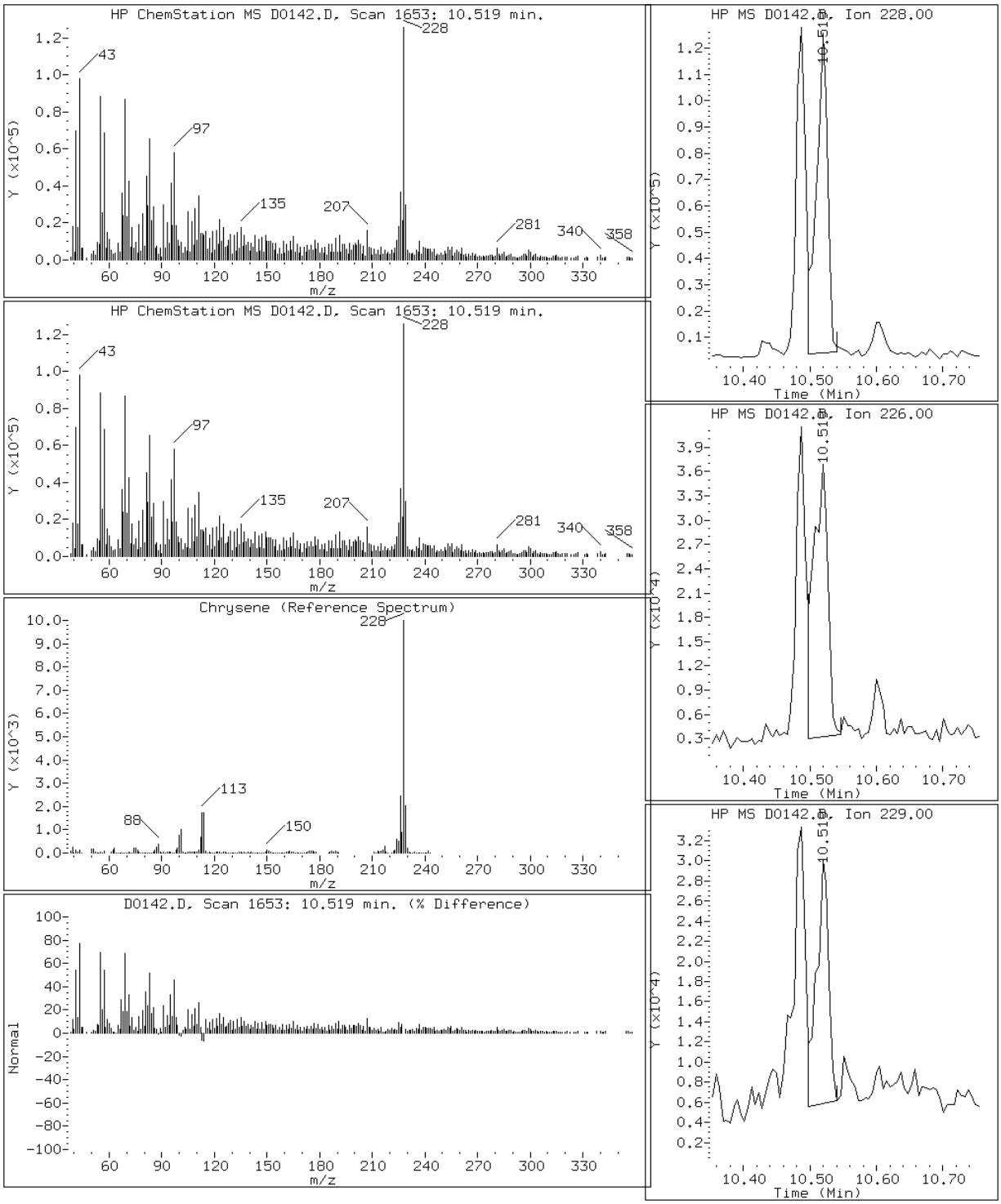
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

167 Chrysene



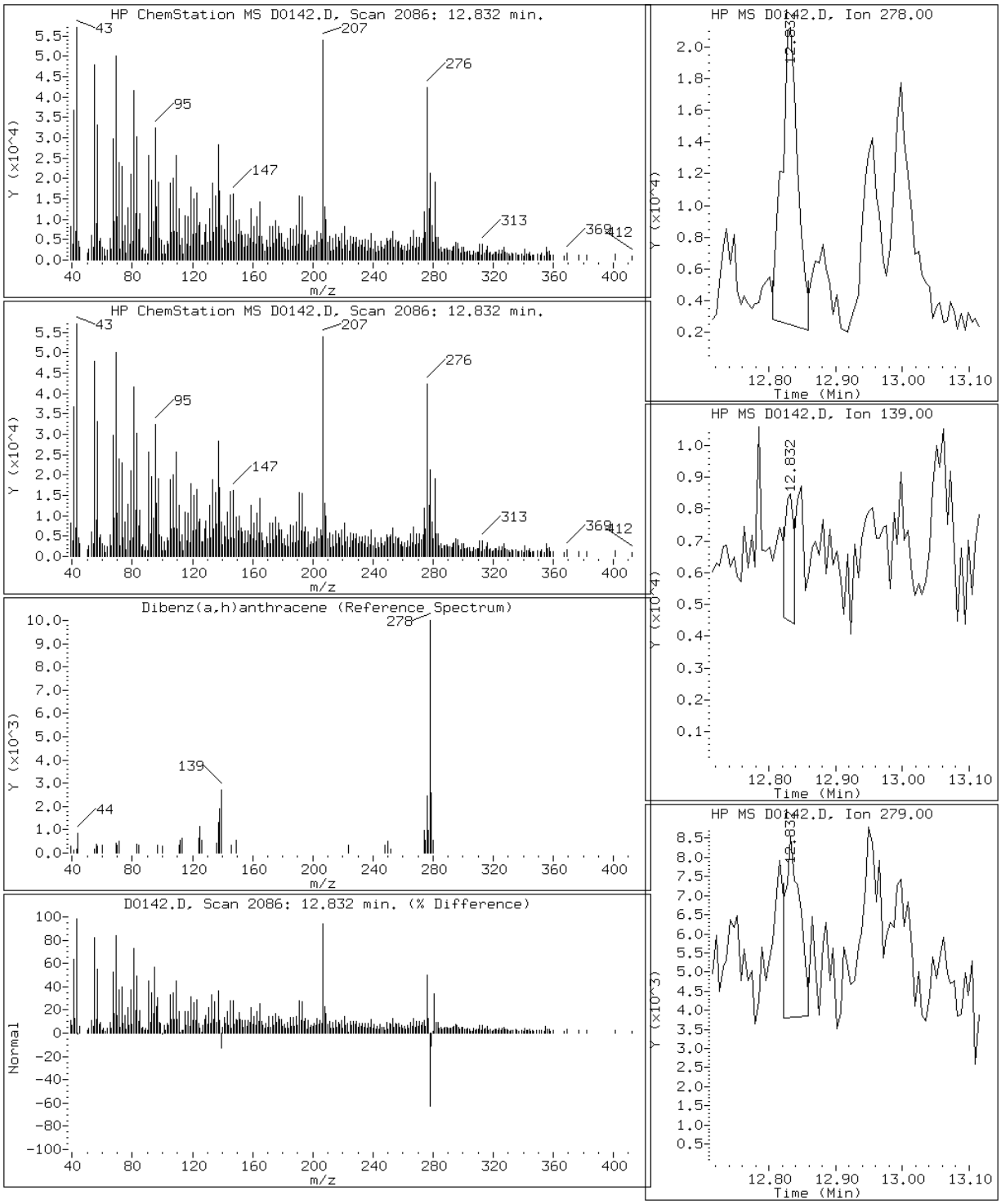
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

185 Dibenz(a,h)anthracene



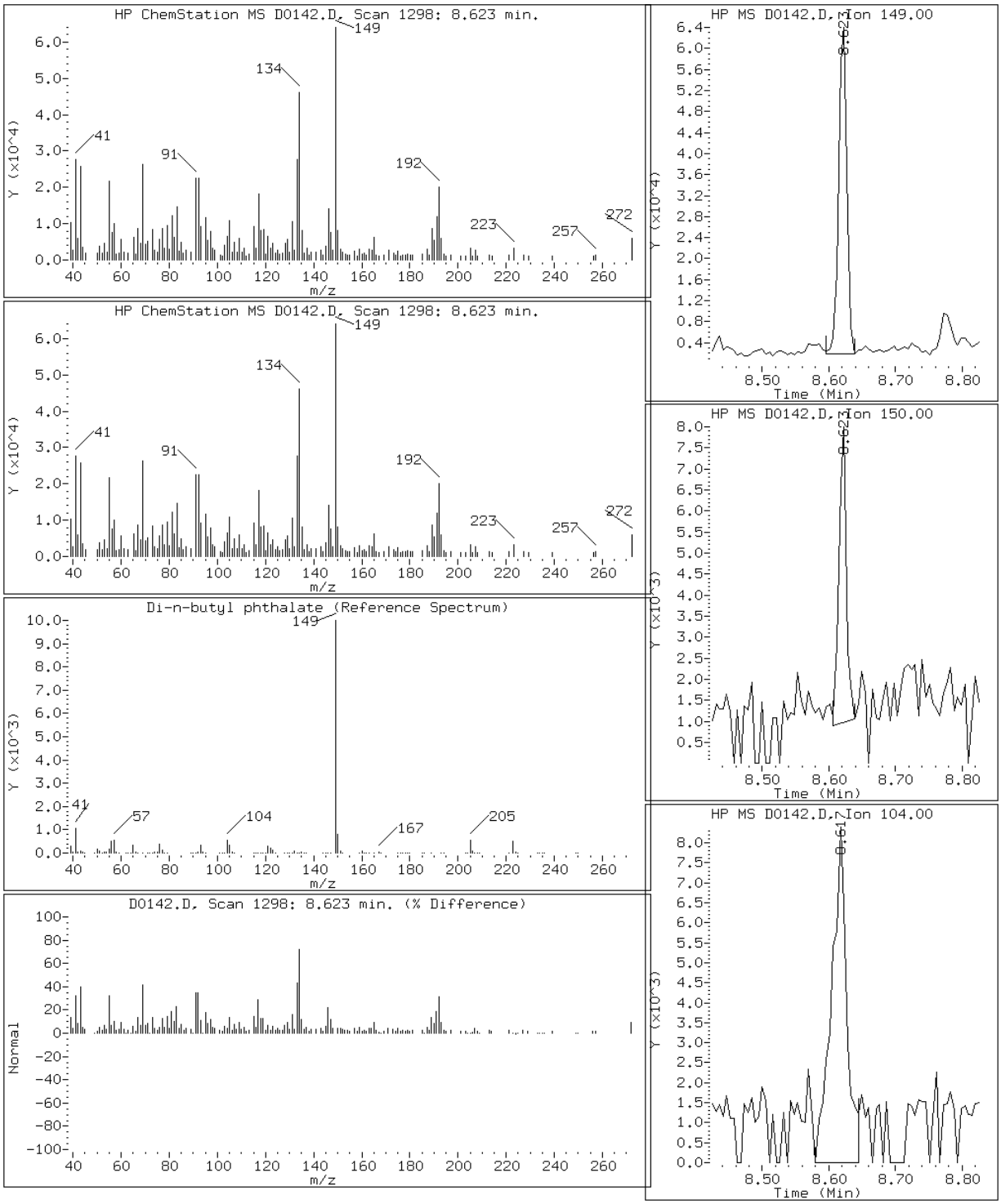
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

143 Di-n-butyl phthalate



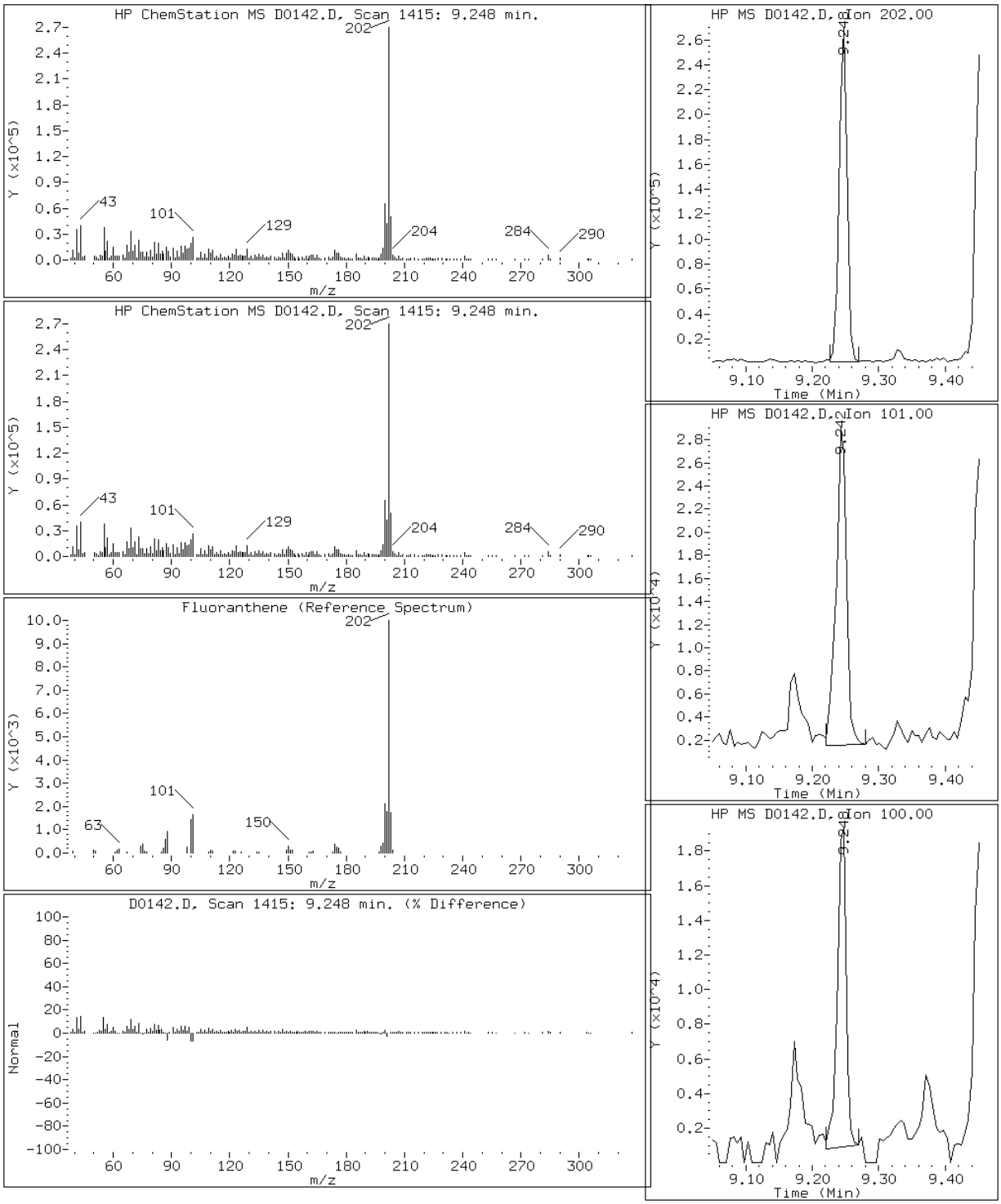
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

149 Fluoranthene



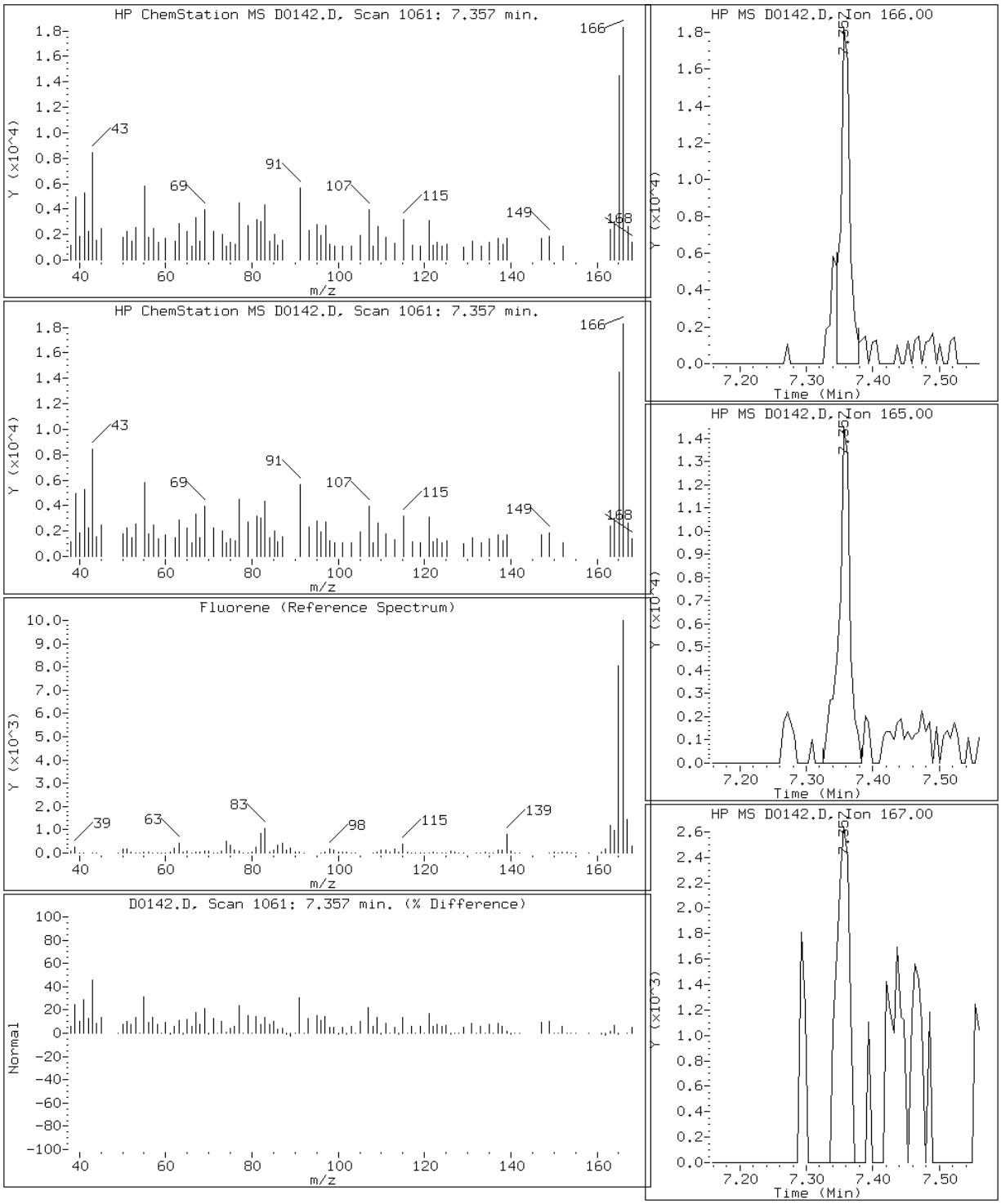
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

110 Fluorene



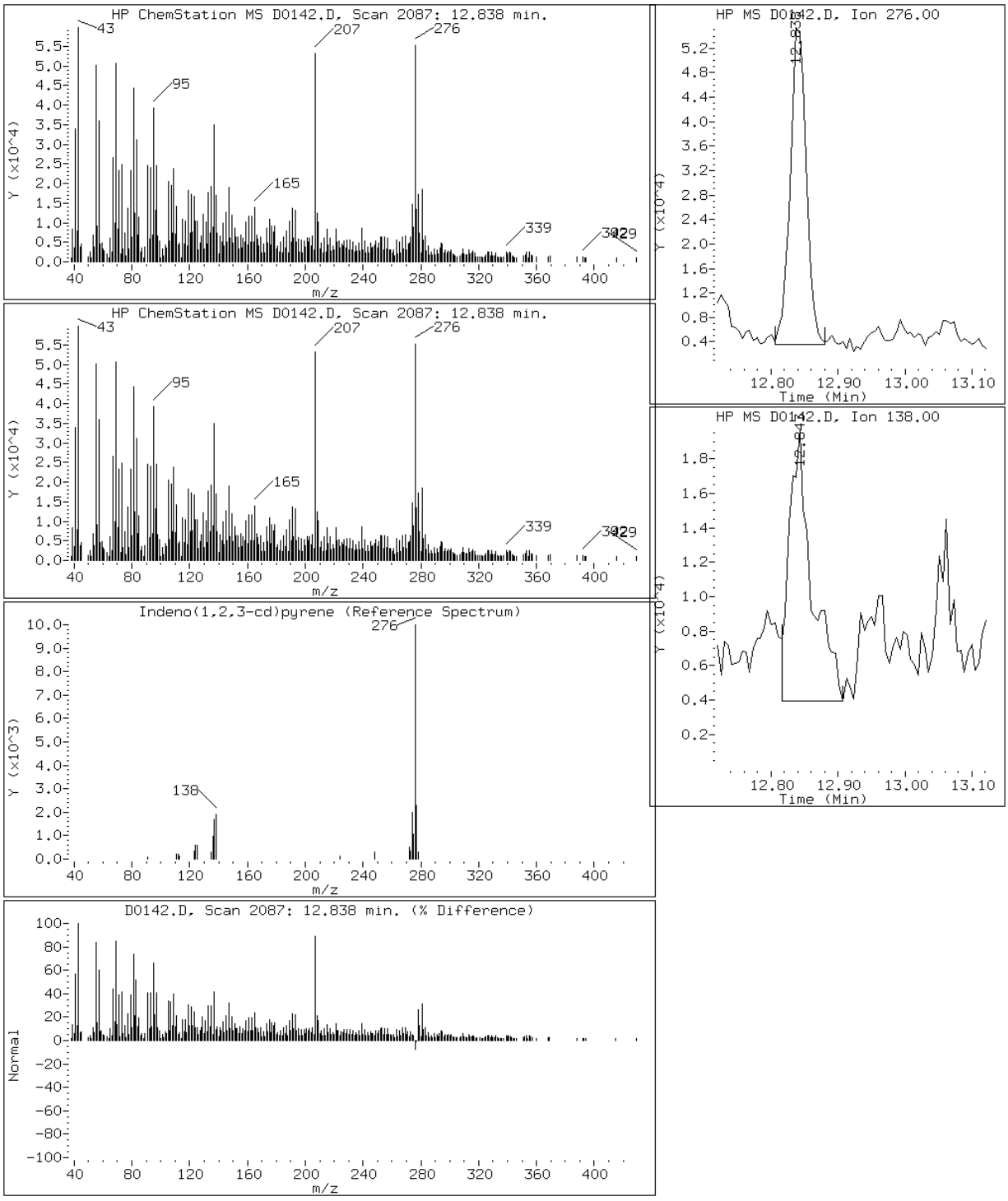
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

186 Indeno(1,2,3-cd)pyrene



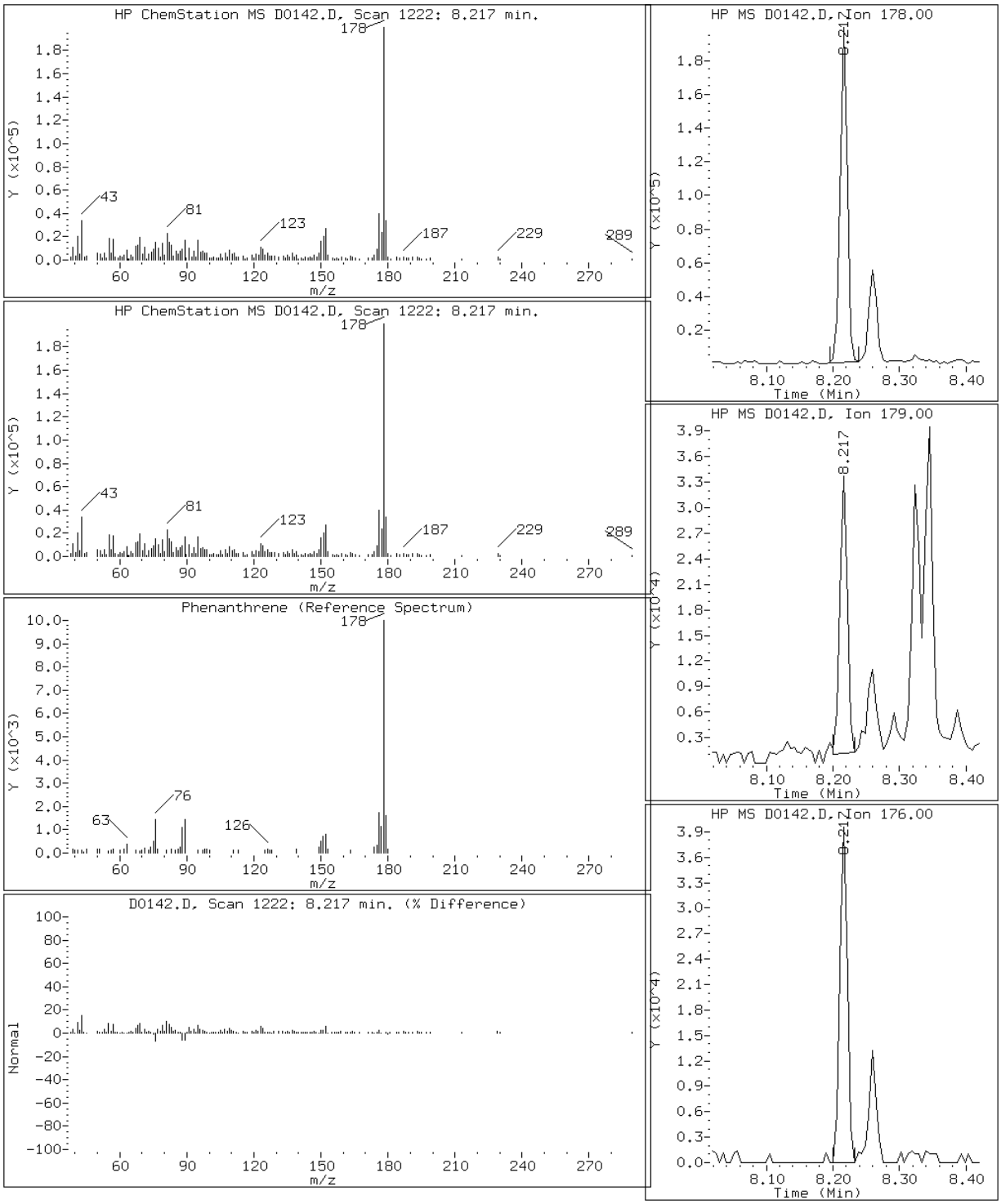
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

136 Phenanthrene



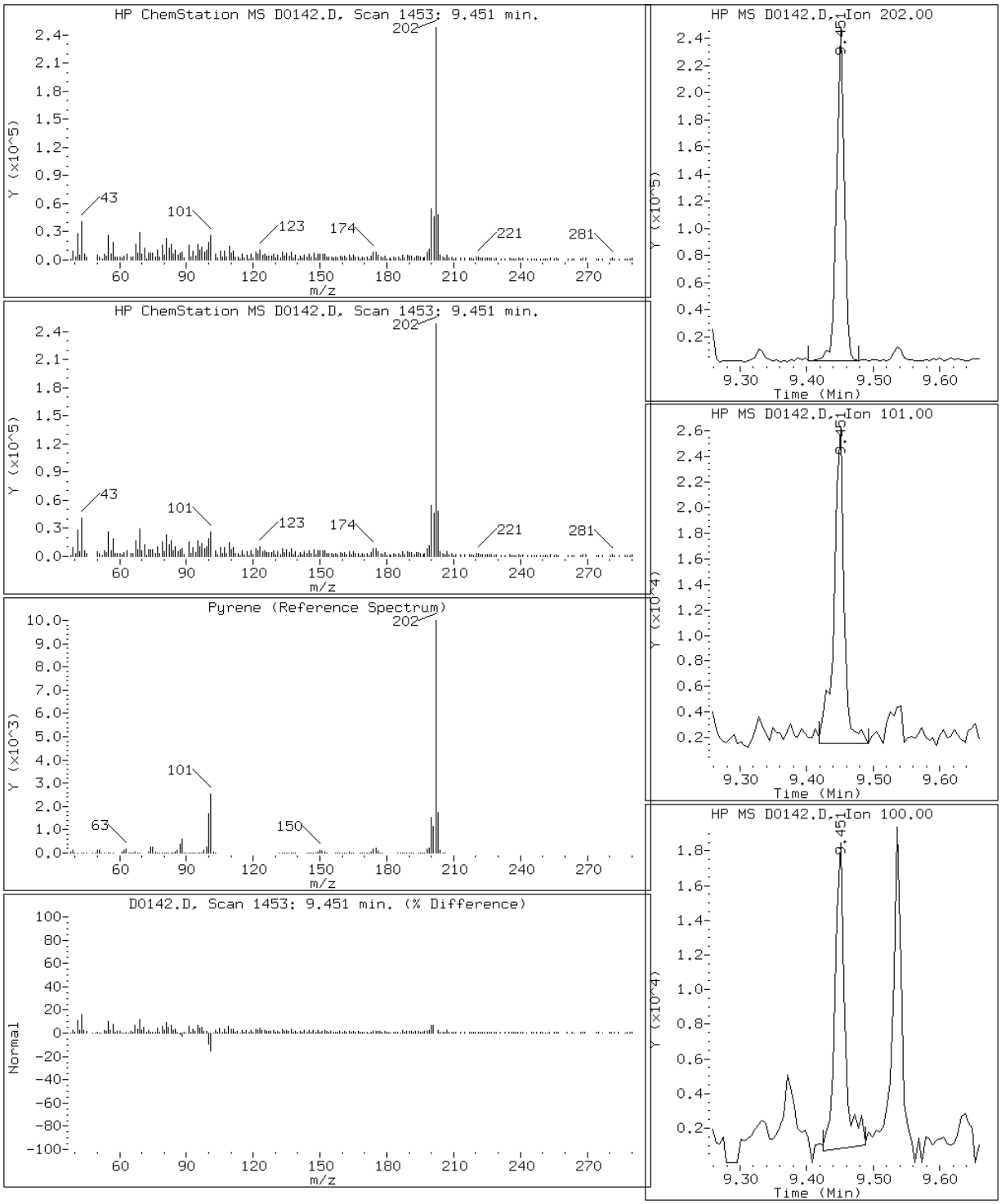
Data File: D0142.D

Date: 18-APR-2012 22:28

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-d Operator: hoffmanm

152 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA | Lab Sample ID: 280-27123-4

Matrix: Solid | Lab File ID: D0145.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 11:20

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.7(g) | Date Analyzed: 04/18/2012 23:25

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

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

% Moisture: 32.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	190	U	1900	190	290
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	1900	390	280
120-82-1	1,2,4-Trichlorobenzene	190	U	1900	190	160
95-50-1	1,2-Dichlorobenzene	190	U	1900	190	130
122-66-7	1,2-Diphenylhydrazine	190	U	1900	190	130
541-73-1	1,3-Dichlorobenzene	190	U	1900	190	69
106-46-7	1,4-Dichlorobenzene	190	U	1900	190	79
108-60-1	2,2'-oxybis[1-chloropropane]	190	U	1900	190	130
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	9200	190	790
95-95-4	2,4,5-Trichlorophenol	750	U	1900	750	58
88-06-2	2,4,6-Trichlorophenol	380	U	1900	380	58
120-83-2	2,4-Dichlorophenol	380	U	1900	380	58
105-67-9	2,4-Dimethylphenol	750	U	1900	750	380
51-28-5	2,4-Dinitrophenol	3900	U	9200	3900	1900
121-14-2	2,4-Dinitrotoluene	750	U	1900	750	380
87-65-0	2,6-Dichlorophenol	750	U	1900	750	400
606-20-2	2,6-Dinitrotoluene	380	U	1900	380	160
91-58-7	2-Chloronaphthalene	190	U	1900	190	58
95-57-8	2-Chlorophenol	190	U	1900	190	120
91-57-6	2-Methylnaphthalene	190	U	1900	190	110
95-48-7	2-Methylphenol	190	U	1900	190	75
88-74-4	2-Nitroaniline	380	U	9200	380	290
88-75-5	2-Nitrophenol	380	U	1900	380	58
15831-10-4	3 & 4 Methylphenol	380	U	1900	380	190
91-94-1	3,3'-Dichlorobenzidine	1900	U	9200	1900	520
99-09-2	3-Nitroaniline	770	U	9200	770	420
534-52-1	4,6-Dinitro-2-methylphenol	3800	U	9200	3800	1900
101-55-3	4-Bromophenyl phenyl ether	190	U	1900	190	110
59-50-7	4-Chloro-3-methylphenol	750	U	1900	750	380
106-47-8	4-Chloroaniline	750	U	1900	750	470
7005-72-3	4-Chlorophenyl phenyl ether	380	U	1900	380	120
100-01-6	4-Nitroaniline	750	U	9200	750	420
100-02-7	4-Nitrophenol	1900	U	9200	1900	560
83-32-9	Acenaphthene	98	U	1900	98	60

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA | Lab Sample ID: 280-27123-4

Matrix: Solid | Lab File ID: D0145.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 11:20

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.7(g) | Date Analyzed: 04/18/2012 23:25

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

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

% Moisture: 32.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	190	U	1900	190	98
98-86-2	Acetophenone	190	U	1900	190	120
120-12-7	Anthracene	190	U	1900	190	98
1912-24-9	Atrazine	750	U	1900	750	210
100-52-7	Benzaldehyde	390	U	1900	390	230
92-87-5	Benzidine	23000	U	23000	23000	5700
56-55-3	Benzo[a]anthracene	190	U	1900	190	120
50-32-8	Benzo[a]pyrene	190	U	1900	190	120
205-99-2	Benzo[b]fluoranthene	640	J K	1900	190	150
191-24-2	Benzo[g,h,i]perylene	190	U	1900	190	92
207-08-9	Benzo[k]fluoranthene	380	U K	1900	380	230
65-85-0	Benzoic acid	3800	U	9200	3800	1900
100-51-6	Benzyl alcohol	100	J	1900	190	58
111-91-1	Bis(2-chloroethoxy)methane	380	U	1900	380	130
111-44-4	Bis(2-chloroethyl)ether	190	U	1900	190	96
117-81-7	Bis(2-ethylhexyl) phthalate	380	U	1900	380	270
85-68-7	Butyl benzyl phthalate	380	U	1900	380	250
105-60-2	Caprolactam	1900	U	9200	1900	610
86-74-8	Carbazole	390	U	1900	390	210
218-01-9	Chrysene	190	U	1900	190	160
53-70-3	Dibenz(a,h)anthracene	190	U	1900	190	110
132-64-9	Dibenzofuran	190	U	1900	190	120
84-66-2	Diethyl phthalate	190	U	3800	190	150
131-11-3	Dimethyl phthalate	190	U	1900	190	130
84-74-2	Di-n-butyl phthalate	290	J	1900	190	170
117-84-0	Di-n-octyl phthalate	380	U	1900	380	83
206-44-0	Fluoranthene	380	U	1900	380	210
86-73-7	Fluorene	190	U	1900	190	100
118-74-1	Hexachlorobenzene	380	U	1900	380	170
87-68-3	Hexachlorobutadiene	380	U	1900	380	58
77-47-4	Hexachlorocyclopentadiene	380	U	9800	380	290
67-72-1	Hexachloroethane	190	U	1900	190	120
193-39-5	Indeno[1,2,3-cd]pyrene	190	U	1900	190	130
78-59-1	Isophorone	190	U	1900	190	98

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA | Lab Sample ID: 280-27123-4

Matrix: Solid | Lab File ID: D0145.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 11:20

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.7(g) | Date Analyzed: 04/18/2012 23:25

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

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

% Moisture: 32.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	380	U	1900	380	180
98-95-3	Nitrobenzene	190	U	1900	190	130
62-75-9	N-Nitrosodimethylamine	380	U	3000	380	210
621-64-7	N-Nitrosodi-n-propylamine	380	U	1900	380	180
86-30-6	N-Nitrosodiphenylamine	190	U	1900	190	120
930-55-2	N-Nitrosopyrrolidine	750	U	1900	750	370
87-86-5	Pentachlorophenol	3900	U	9200	3900	1900
85-01-8	Phenanthrene	190	U	1900	190	98
108-95-2	Phenol	190	U	1900	190	100
129-00-0	Pyrene	88	J	2300	190	70

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	84	D	35-125
321-60-8	2-Fluorobiphenyl	69	D	45-105
367-12-4	2-Fluorophenol (Surr)	69	D	35-105
4165-60-0	Nitrobenzene-d5 (Surr)	67	D	35-100
4165-62-2	Phenol-d5 (Surr)	71	D	40-100
1718-51-0	Terphenyl-d14 (Surr)	74	D	30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0145.D
Lab Smp Id: 280-27123-A-4-D Client Smp ID: UNK10401AA
Inj Date : 18-APR-2012 23:25
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-4-d,4,
Misc Info : 280-27123-A-4-D
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 31
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	4.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.700	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	26 1,4-Dichlorobenzene-d4	152	4.017	4.020	(1.000)	237561	40.0000	
*	58 Naphthalene-d8	136	5.192	5.190	(1.000)	860979	40.0000	
*	96 Acenaphthene-d10	164	6.864	6.867	(1.000)	547058	40.0000	
*	135 Phenanthrene-d10	188	8.194	8.198	(1.000)	974816	40.0000	
*	166 Chrysene-d12	240	10.497	10.521	(1.000)	1170802	40.0000	
*	179 Perylene-d12	264	11.757	11.819	(1.000)	1113510	40.0000	
$	8 2-Fluorophenol	112	2.959	2.953	(0.737)	200567	25.7308	3352.55
$	15 Phenol-d5	99	3.653	3.653	(0.910)	268849	26.7230	3481.82
$	43 Nitrobenzene-d5	82	4.513	4.513	(0.869)	171638	16.7164	2178.03
$	81 2-Fluorobiphenyl	172	6.212	6.212	(0.905)	344320	17.2725	2250.49
$	118 2,4,6-Tribromophenol	330	7.580	7.585	(1.104)	81410	31.6269	4120.77
$	154 Terphenyl-d14	244	9.535	9.546	(0.908)	438642	18.5234	2413.48
$	29 1,2-Dichlorobenzene-d4	152	4.155	4.161	(1.035)	91157	14.5275	1892.83
$	22 2-Chlorophenol-d4	132	3.824	3.824	(0.952)	209295	25.1058	3271.12
	4 1,4-Dioxane	88	Compound Not Detected.					
	5 N-Nitrosodimethylamine	74	Compound Not Detected.					
	6 Pyridine	79	Compound Not Detected.					
	9 2-Picoline	93	Compound Not Detected.					
	10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
	11 Methyl methanesulfonate	80	Compound Not Detected.					
	12 N-Nitrosodiethylamine	102	Compound Not Detected.					
	13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	4.118	4.113	(1.025)	2828	0.54323	70.7790(aQH)
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
85	Biphenyl	154	Compound Not Detected.					
89	1,4-Naphthoquinone	158	Compound Not Detected.					
88	2-Nitroaniline	65	Compound Not Detected.					
90	1,4-Dinitrobenzene	168	Compound Not Detected.					
92	1,3-Dinitrobenzene	168	Compound Not Detected.					
91	Dimethyl phthalate	163	Compound Not Detected.					
93	2,6-Dinitrotoluene	165	Compound Not Detected.					
94	Acenaphthylene	152	Compound Not Detected.					
95	3-Nitroaniline	138	Compound Not Detected.					
97	Acenaphthene	153	Compound Not Detected.					
100	Pentachlorobenzene	250	Compound Not Detected.					
98	2,4-Dinitrophenol	184	Compound Not Detected.					
99	4-Nitrophenol	109	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	Compound Not Detected.					
102	Dibenzofuran	168	Compound Not Detected.					
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
108	Thionazin	97	Compound Not Detected.					
107	Diethyl phthalate	149	Compound Not Detected.					
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
110	Fluorene	166	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112	4-Nitroaniline	138	Compound Not Detected.					
113	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	Compound Not Detected.					
114	Diphenylamine	169	Compound Not Detected.					
116	Azobenzene	77	Compound Not Detected.					
234	1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117	Sulfotepp	97	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125	Hexachlorobenzene	284	Compound Not Detected.					
126	Dimethoate	87	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
129	Pentachlorophenol	266	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
136	Phenanthrene	178	Compound Not Detected.					
137	Anthracene	178	Compound Not Detected.					
140	Carbazole	167	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	8.622	8.627	(1.052)	42740	1.50789	196.468(a)
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.450	9.460	(0.900)	15021	0.45487	59.2659(aQ)
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	Compound Not Detected.					
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	11.415	11.490	(0.971)	20015	3.30106	430.106(aQH)
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

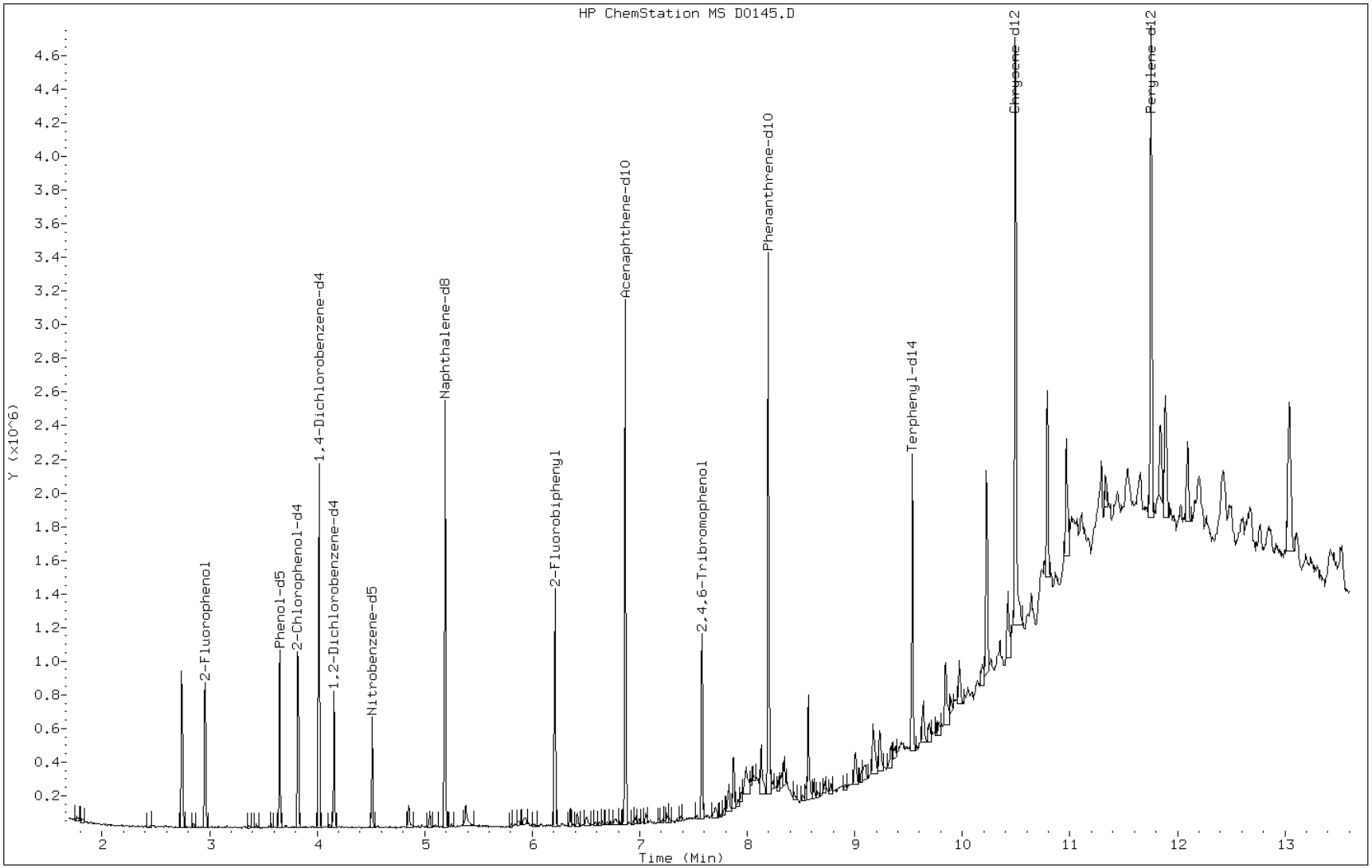
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0145.D

Date: 18-APR-2012 23:25

Client ID: UNK10401AA Instrument: D.i

Sample Info: 280-27123-a-4-d,4, Operator: hoffmanm



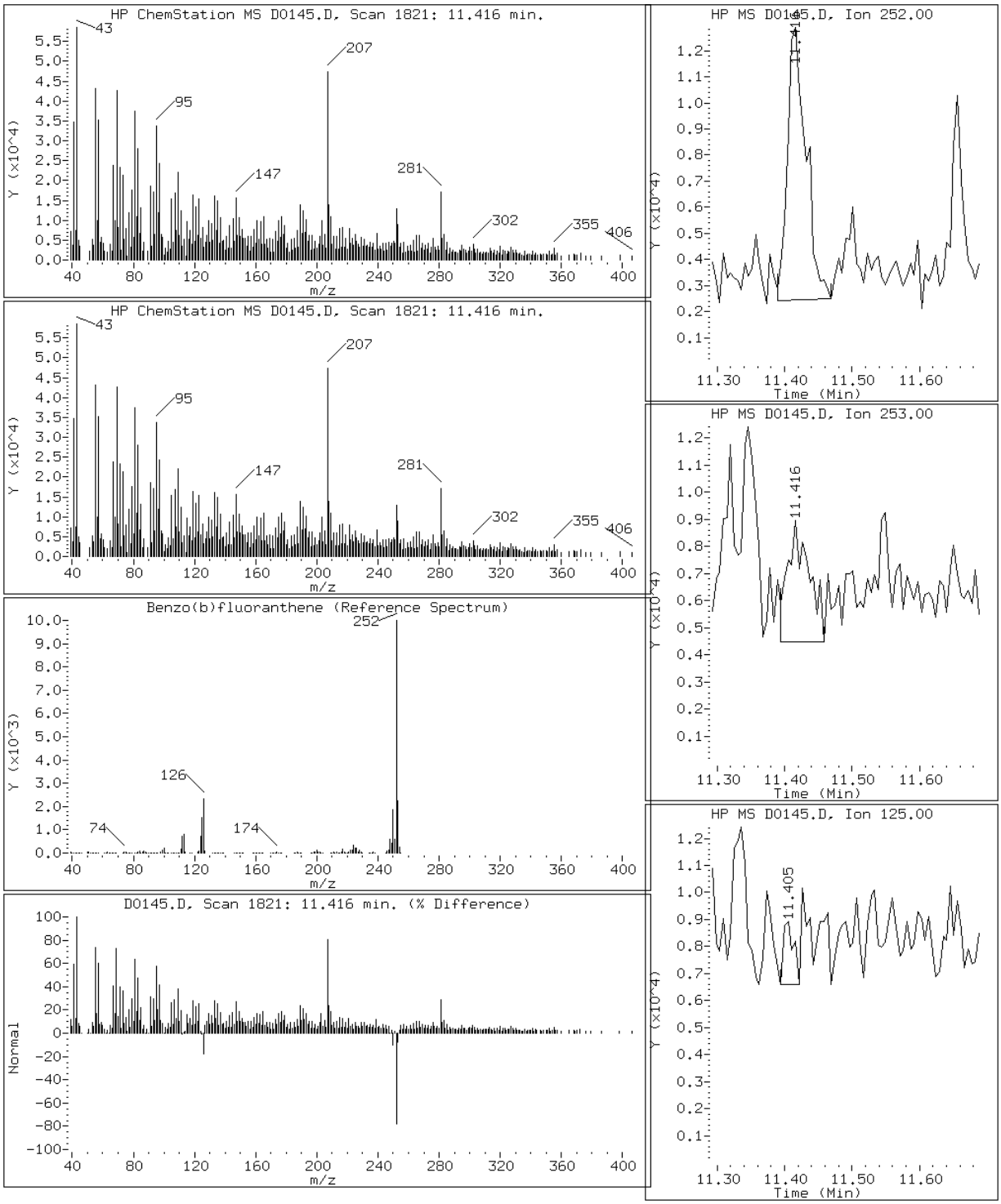
Data File: D0145.D

Date: 18-APR-2012 23:25

Client ID: UNK10401AA Instrument: D.i

Sample Info: 280-27123-a-4-d,4, Operator: hoffmanm

171 Benzo(b)fluoranthene



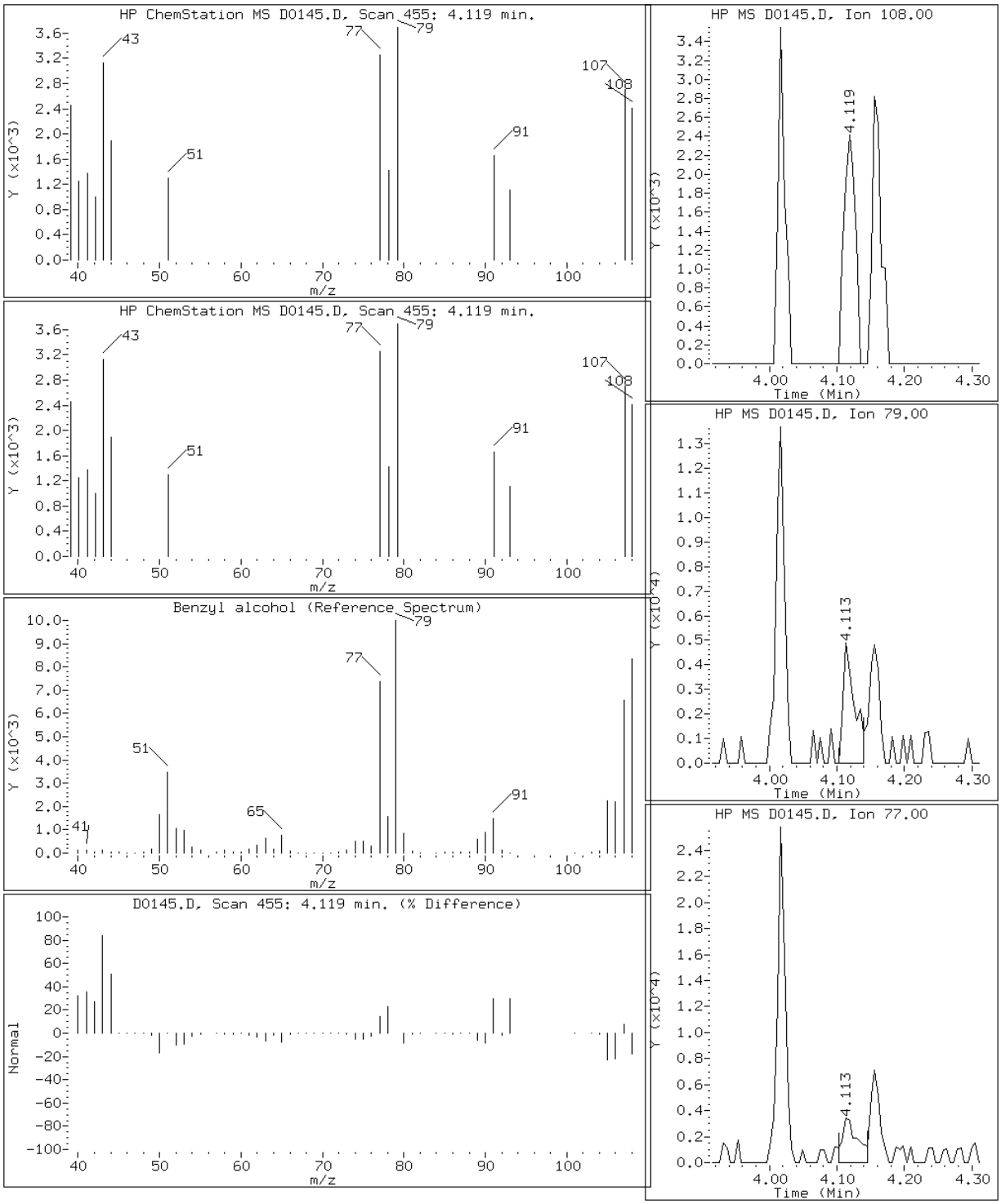
Data File: D0145.D

Date: 18-APR-2012 23:25

Client ID: UNK10401AA Instrument: D.i

Sample Info: 280-27123-a-4-d,4, Operator: hoffmanm

28 Benzyl alcohol



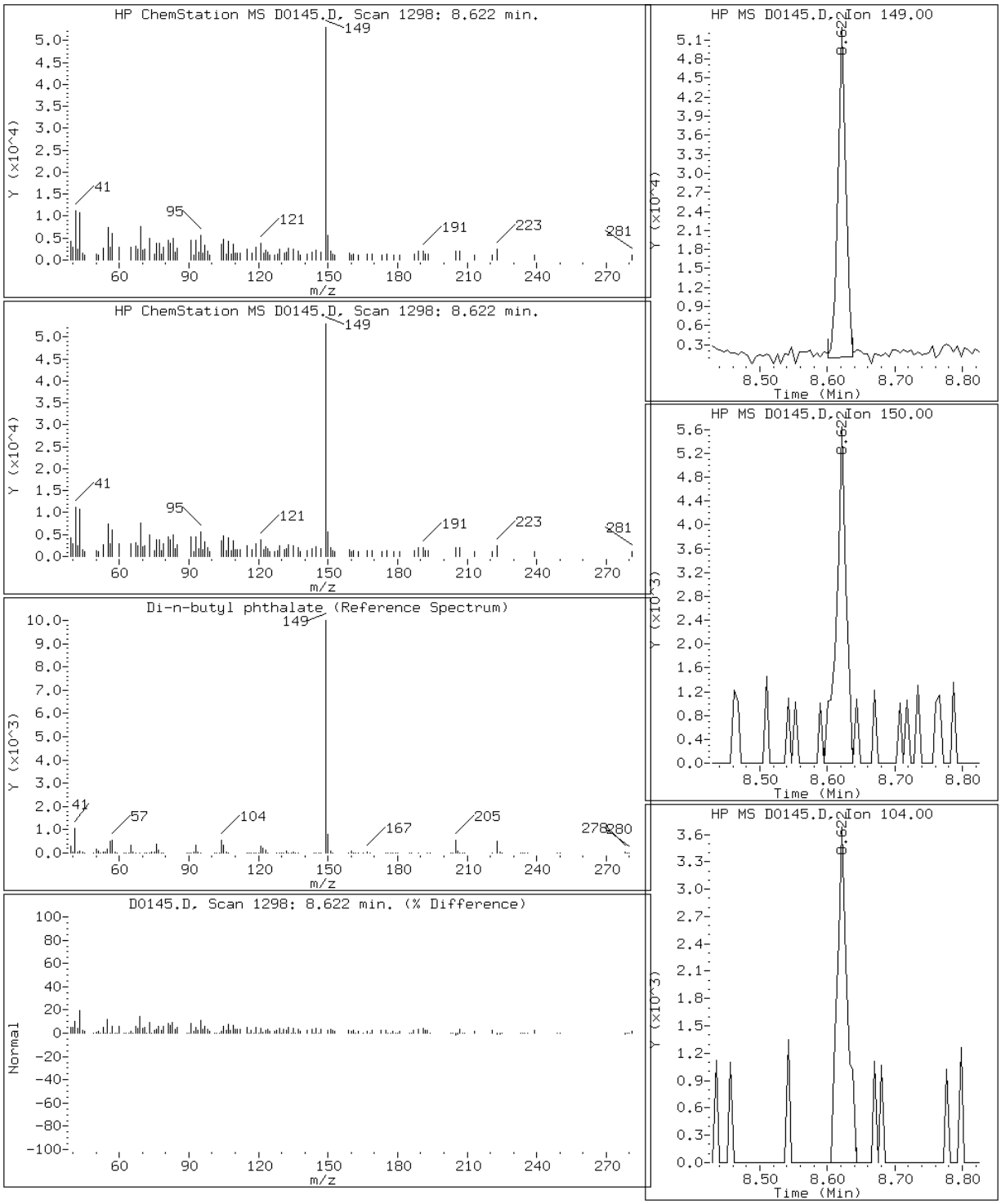
Data File: D0145.D

Date: 18-APR-2012 23:25

Client ID: UNK10401AA Instrument: D.i

Sample Info: 280-27123-a-4-d,4, Operator: hoffmanm

143 Di-n-butyl phthalate



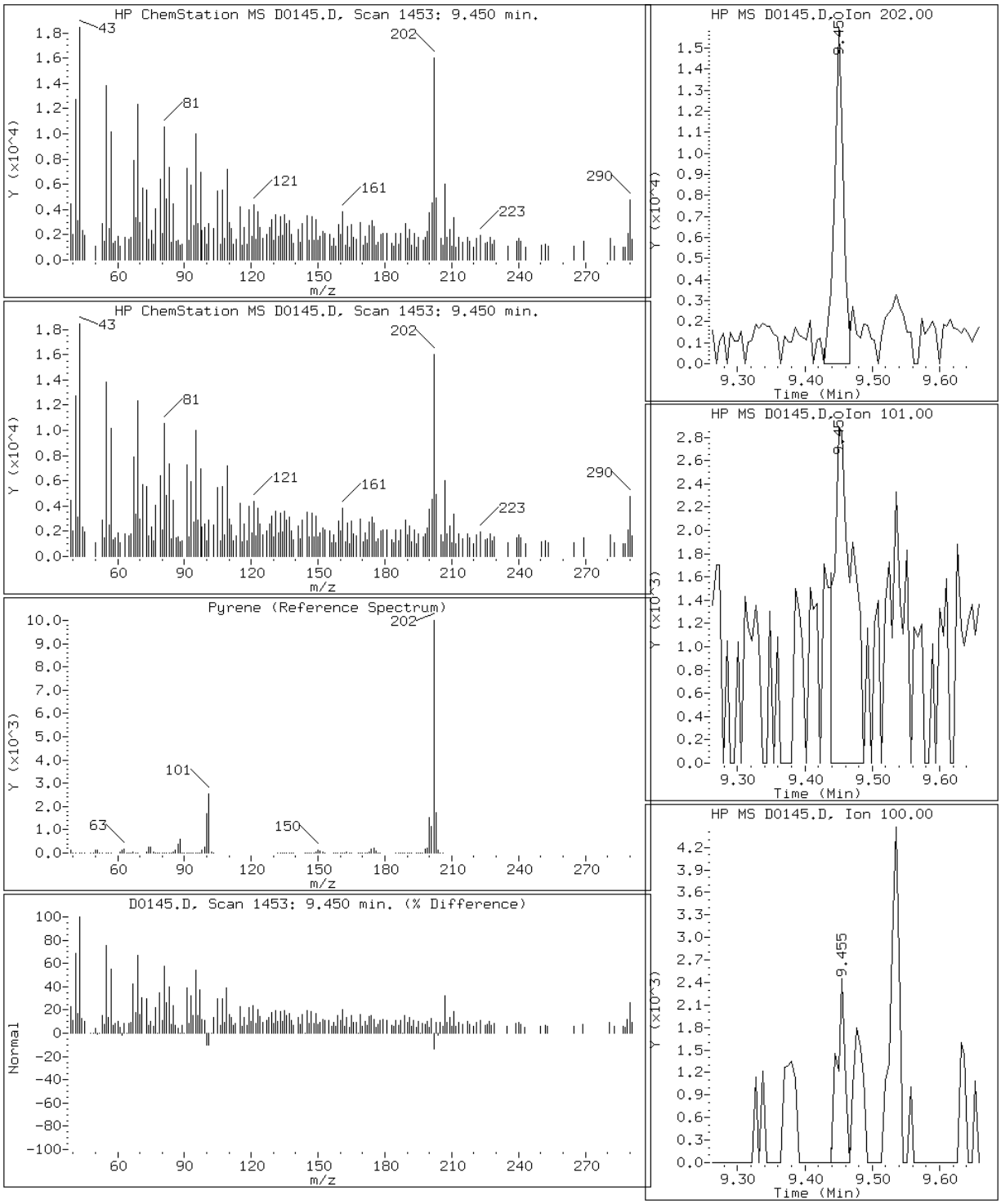
Data File: D0145.D

Date: 18-APR-2012 23:25

Client ID: UNK10401AA Instrument: D.i

Sample Info: 280-27123-a-4-d,4, Operator: hoffmanm

152 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA | Lab Sample ID: 280-27123-5

Matrix: Solid | Lab File ID: D0146.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 11:50

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.7(g) | Date Analyzed: 04/18/2012 23:44

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

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

% Moisture: 36.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	200	U	2000	200	310
95-94-3	1,2,4,5-Tetrachlorobenzene	410	U	2000	410	300
120-82-1	1,2,4-Trichlorobenzene	200	U	2000	200	170
95-50-1	1,2-Dichlorobenzene	200	U	2000	200	130
122-66-7	1,2-Diphenylhydrazine	200	U	2000	200	130
541-73-1	1,3-Dichlorobenzene	200	U	2000	200	73
106-46-7	1,4-Dichlorobenzene	200	U	2000	200	83
108-60-1	2,2'-oxybis[1-chloropropane]	200	U	2000	200	140
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	9800	200	840
95-95-4	2,4,5-Trichlorophenol	790	U	2000	790	61
88-06-2	2,4,6-Trichlorophenol	400	U	2000	400	61
120-83-2	2,4-Dichlorophenol	400	U	2000	400	61
105-67-9	2,4-Dimethylphenol	790	U	2000	790	400
51-28-5	2,4-Dinitrophenol	4100	U	9800	4100	2000
121-14-2	2,4-Dinitrotoluene	790	U	2000	790	400
87-65-0	2,6-Dichlorophenol	790	U	2000	790	420
606-20-2	2,6-Dinitrotoluene	400	U	2000	400	170
91-58-7	2-Chloronaphthalene	200	U	2000	200	61
95-57-8	2-Chlorophenol	200	U	2000	200	130
91-57-6	2-Methylnaphthalene	200	U	2000	200	120
95-48-7	2-Methylphenol	200	U	2000	200	79
88-74-4	2-Nitroaniline	400	U	9800	400	310
88-75-5	2-Nitrophenol	400	U	2000	400	61
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	200
91-94-1	3,3'-Dichlorobenzidine	2000	U	9800	2000	550
99-09-2	3-Nitroaniline	810	U	9800	810	450
534-52-1	4,6-Dinitro-2-methylphenol	4000	U	9800	4000	2000
101-55-3	4-Bromophenyl phenyl ether	200	U	2000	200	120
59-50-7	4-Chloro-3-methylphenol	790	U	2000	790	400
106-47-8	4-Chloroaniline	790	U	2000	790	500
7005-72-3	4-Chlorophenyl phenyl ether	400	U	2000	400	130
100-01-6	4-Nitroaniline	790	U	9800	790	440
100-02-7	4-Nitrophenol	2000	U	9800	2000	590
83-32-9	Acenaphthene	100	U	2000	100	63

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA | Lab Sample ID: 280-27123-5

Matrix: Solid | Lab File ID: D0146.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 11:50

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.7(g) | Date Analyzed: 04/18/2012 23:44

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

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

% Moisture: 36.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	200	U	2000	200	100
98-86-2	Acetophenone	200	U	2000	200	120
120-12-7	Anthracene	110	J	2000	200	100
1912-24-9	Atrazine	790	U	2000	790	230
100-52-7	Benzaldehyde	410	U	2000	410	240
92-87-5	Benzidine	24000	U	24000	24000	6000
56-55-3	Benzo[a]anthracene	350	J	2000	200	120
50-32-8	Benzo[a]pyrene	660	J	2000	200	120
205-99-2	Benzo[b]fluoranthene	3000	K	2000	200	160
191-24-2	Benzo[g,h,i]perylene	1300	J	2000	200	98
207-08-9	Benzo[k]fluoranthene	400	U K	2000	400	240
65-85-0	Benzoic acid	4000	U	9800	4000	2000
100-51-6	Benzyl alcohol	200	U	2000	200	61
111-91-1	Bis(2-chloroethoxy)methane	400	U	2000	400	140
111-44-4	Bis(2-chloroethyl)ether	200	U	2000	200	100
117-81-7	Bis(2-ethylhexyl) phthalate	400	U	2000	400	280
85-68-7	Butyl benzyl phthalate	400	U	2000	400	260
105-60-2	Caprolactam	2000	U	9800	2000	650
86-74-8	Carbazole	410	U	2000	410	220
218-01-9	Chrysene	920	J	2000	200	160
53-70-3	Dibenz(a,h)anthracene	920	J	2000	200	120
132-64-9	Dibenzofuran	200	U	2000	200	120
84-66-2	Diethyl phthalate	200	U	4000	200	160
131-11-3	Dimethyl phthalate	200	U	2000	200	140
84-74-2	Di-n-butyl phthalate	200	U	2000	200	180
117-84-0	Di-n-octyl phthalate	400	U	2000	400	88
206-44-0	Fluoranthene	340	J	2000	400	220
86-73-7	Fluorene	200	U	2000	200	110
118-74-1	Hexachlorobenzene	400	U	2000	400	180
87-68-3	Hexachlorobutadiene	400	U	2000	400	61
77-47-4	Hexachlorocyclopentadiene	400	U	10000	400	310
67-72-1	Hexachloroethane	200	U	2000	200	130
193-39-5	Indeno[1,2,3-cd]pyrene	1300	J	2000	200	130
78-59-1	Isophorone	200	U	2000	200	100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA | Lab Sample ID: 280-27123-5

Matrix: Solid | Lab File ID: D0146.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 11:50

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.7(g) | Date Analyzed: 04/18/2012 23:44

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

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

% Moisture: 36.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	400	U	2000	400	190
98-95-3	Nitrobenzene	200	U	2000	200	130
62-75-9	N-Nitrosodimethylamine	400	U	3200	400	230
621-64-7	N-Nitrosodi-n-propylamine	400	U	2000	400	190
86-30-6	N-Nitrosodiphenylamine	200	U	2000	200	130
930-55-2	N-Nitrosopyrrolidine	790	U	2000	790	390
87-86-5	Pentachlorophenol	4100	U	9800	4100	2000
85-01-8	Phenanthrene	150	J	2000	200	100
108-95-2	Phenol	200	U	2000	200	110
129-00-0	Pyrene	370	J	2400	200	74

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	93	D	35-125
321-60-8	2-Fluorobiphenyl	76	D	45-105
367-12-4	2-Fluorophenol (Surr)	77	D	35-105
4165-60-0	Nitrobenzene-d5 (Surr)	77	D	35-100
4165-62-2	Phenol-d5 (Surr)	78	D	40-100
1718-51-0	Terphenyl-d14 (Surr)	81	D	30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0146.D
Lab Smp Id: 280-27123-A-5-D Client Smp ID: UNK10501AA
Inj Date : 18-APR-2012 23:44
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-5-d,4,
Misc Info : 280-27123-A-5-D
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 32
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	4.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.700	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	26 1,4-Dichlorobenzene-d4	152	4.016	4.020	(1.000)	232802	40.0000	
*	58 Naphthalene-d8	136	5.192	5.190	(1.000)	830043	40.0000	
*	96 Acenaphthene-d10	164	6.864	6.867	(1.000)	530930	40.0000	
*	135 Phenanthrene-d10	188	8.194	8.198	(1.000)	967044	40.0000	
*	166 Chrysene-d12	240	10.496	10.521	(1.000)	1136644	40.0000	
*	179 Perylene-d12	264	11.762	11.819	(1.000)	1062346	40.0000	
$	8 2-Fluorophenol	112	2.959	2.953	(0.737)	221074	28.9414	3770.87
$	15 Phenol-d5	99	3.653	3.653	(0.910)	288443	29.2567	3811.94
$	43 Nitrobenzene-d5	82	4.513	4.513	(0.869)	190137	19.2082	2502.70
$	81 2-Fluorobiphenyl	172	6.212	6.212	(0.905)	369673	19.1076	2489.59
$	118 2,4,6-Tribromophenol	330	7.580	7.585	(1.104)	88946	34.9312	4551.29
$	154 Terphenyl-d14	244	9.535	9.546	(0.908)	467246	20.3243	2648.12
$	29 1,2-Dichlorobenzene-d4	152	4.155	4.161	(1.035)	103965	16.9074	2202.92
$	22 2-Chlorophenol-d4	132	3.824	3.824	(0.952)	230417	28.2045	3674.85
	4 1,4-Dioxane	88	Compound Not Detected.					
	5 N-Nitrosodimethylamine	74	Compound Not Detected.					
	6 Pyridine	79	Compound Not Detected.					
	9 2-Picoline	93	Compound Not Detected.					
	10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
	11 Methyl methanesulfonate	80	Compound Not Detected.					
	12 N-Nitrosodiethylamine	102	Compound Not Detected.					
	13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	Compound Not Detected.					
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	8.215	8.221	(1.003)	19871	0.71709	93.4323(a)
137 Anthracene	178	8.263	8.263	(1.008)	14610	0.52930	68.9644(a)
140 Carbazole	167	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	9.246	9.252	(1.128)	53016	1.67600	218.371(aQ)
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.449	9.460	(0.900)	57931	1.80698	235.438(aQ)
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	Compound Not Detected.					
165	Benzo(a)anthracene	228	10.480	10.518	(0.998)	55446	1.71668	223.671(aH)
167	Chrysene	228	10.518	10.555	(1.002)	134682	4.53331	590.659(a)
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	11.421	11.490	(0.971)	455515	14.7391	1920.41(H)
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.709	11.784	(0.995)	54231	3.21854	419.354(aH)
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	12.831	12.922	(1.222)	193250	6.53141	850.997(aH)
185	Dibenz(a,h)anthracene	278	12.820	12.916	(1.090)	51771	4.49933	586.232(aH)
188	Benzo(g,h,i)perylene	276	13.167	13.258	(1.119)	196558	6.57220	856.313(a)
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

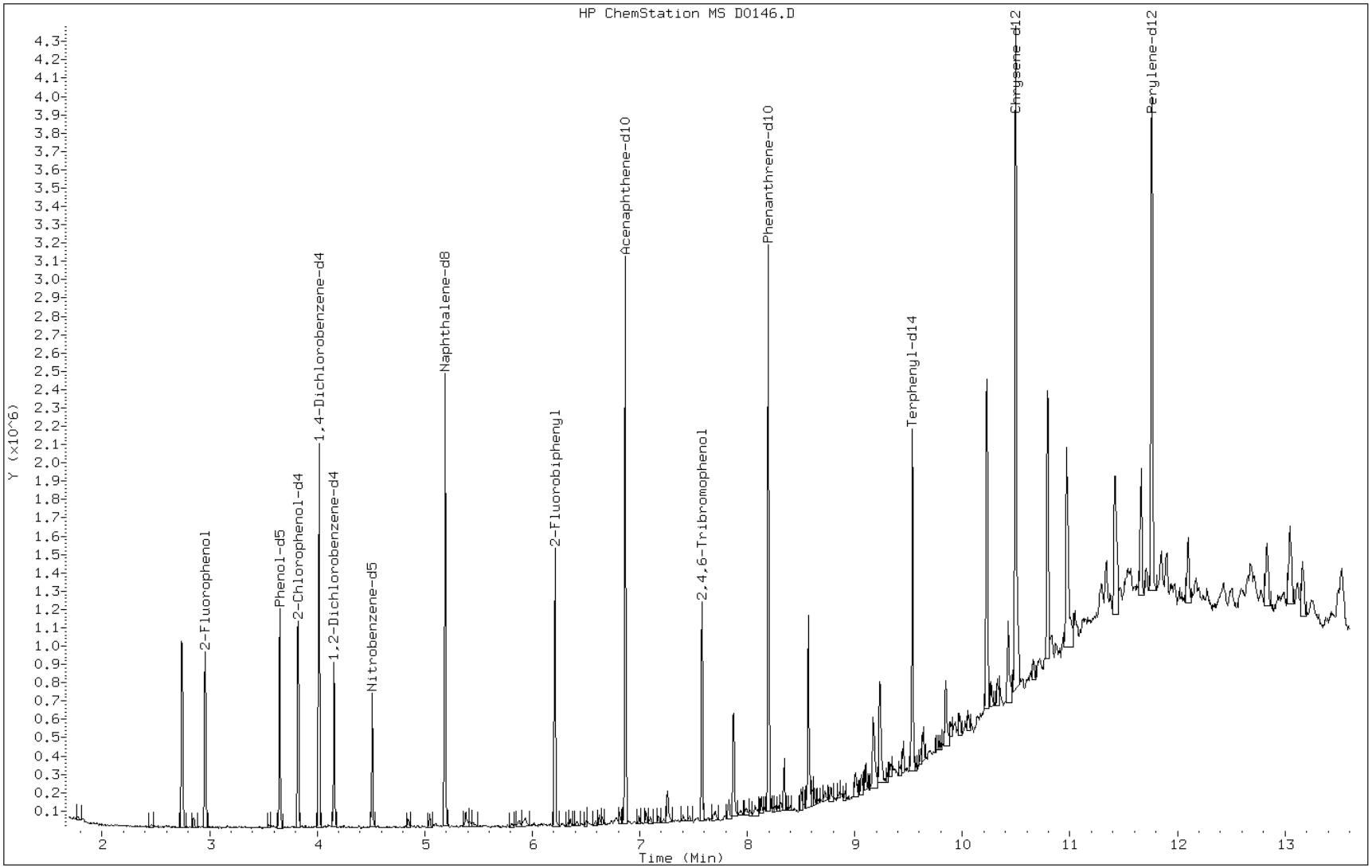
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm



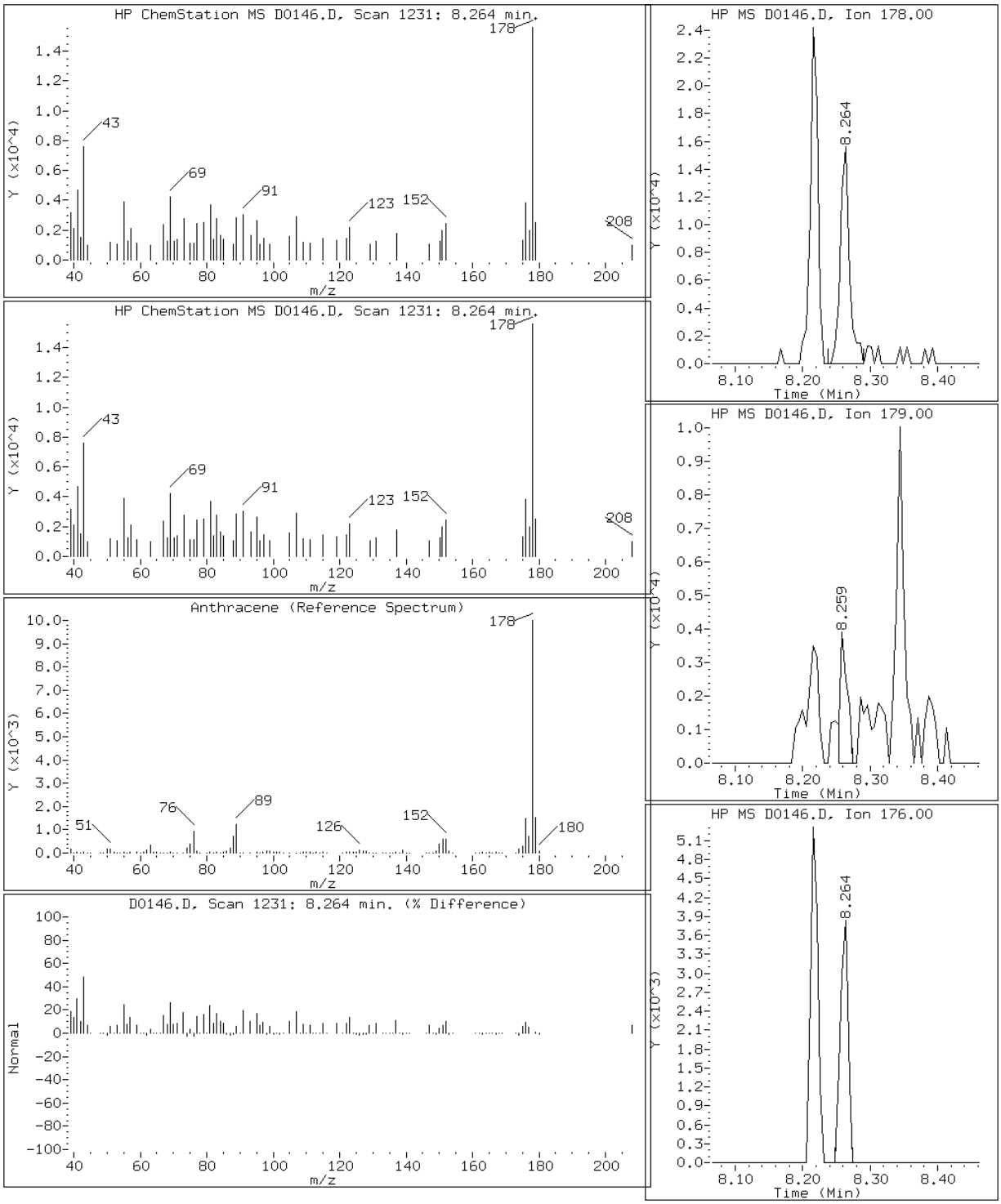
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

137 Anthracene



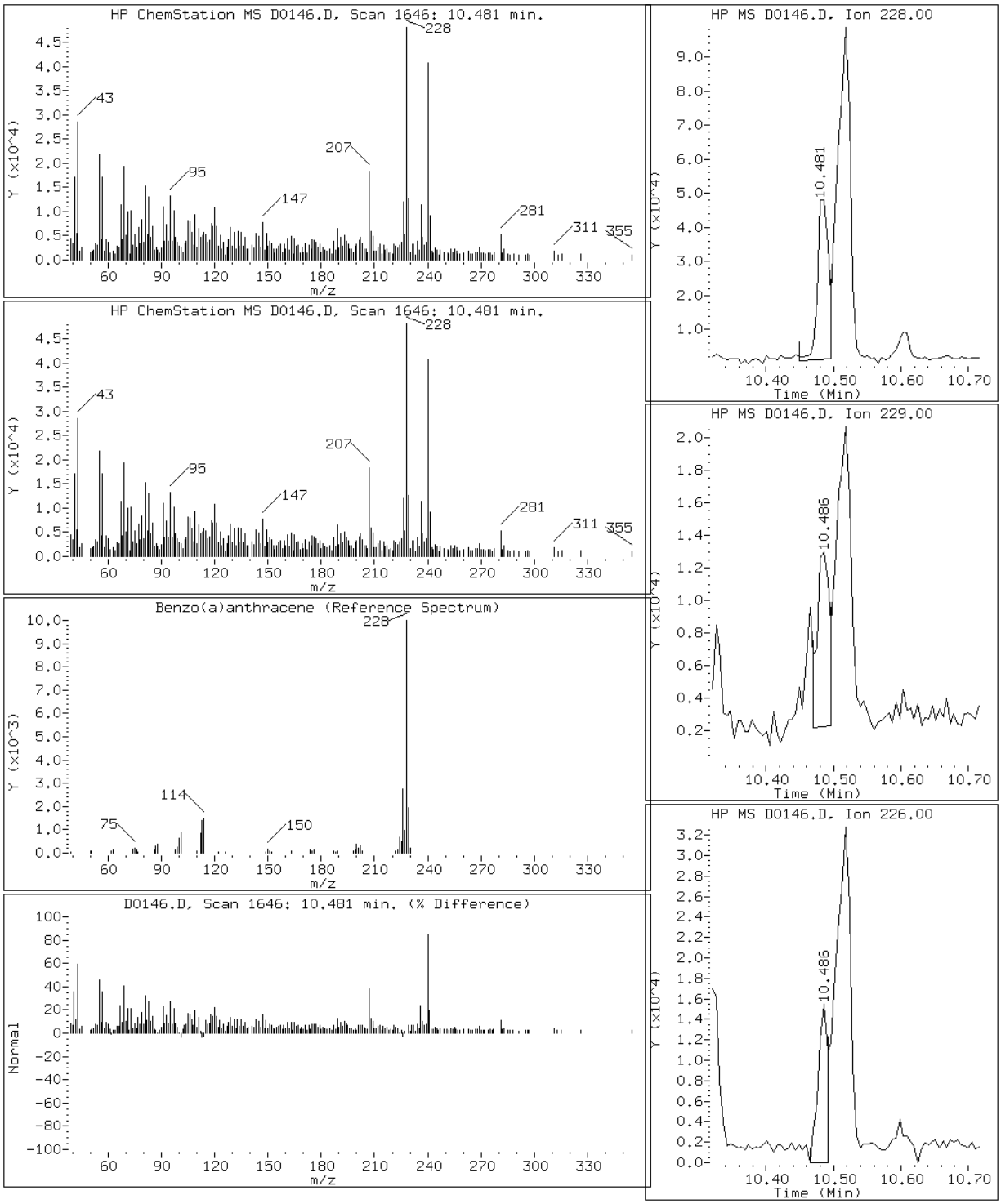
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

165 Benzo(a)anthracene



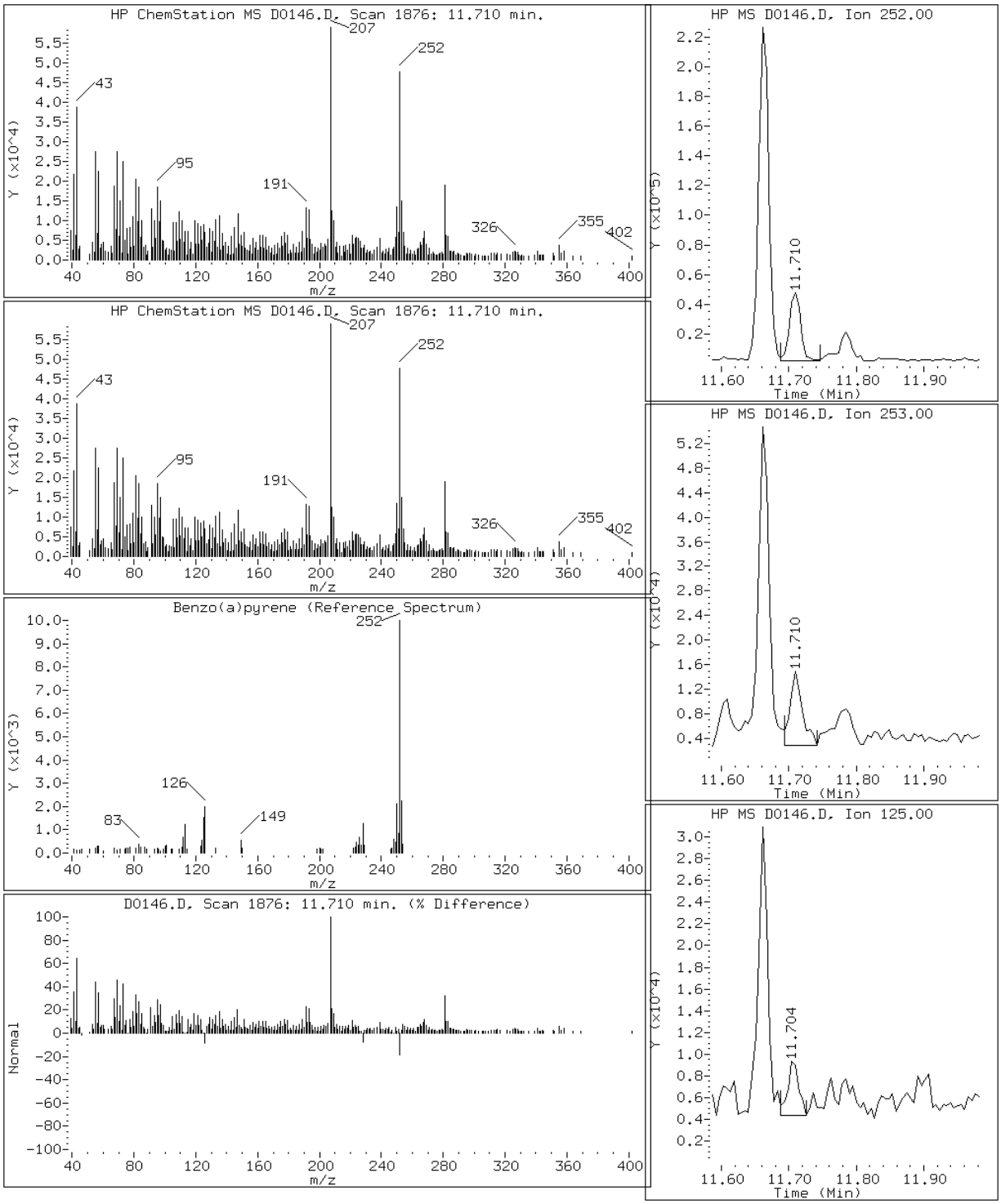
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

178 Benzo(a)pyrene



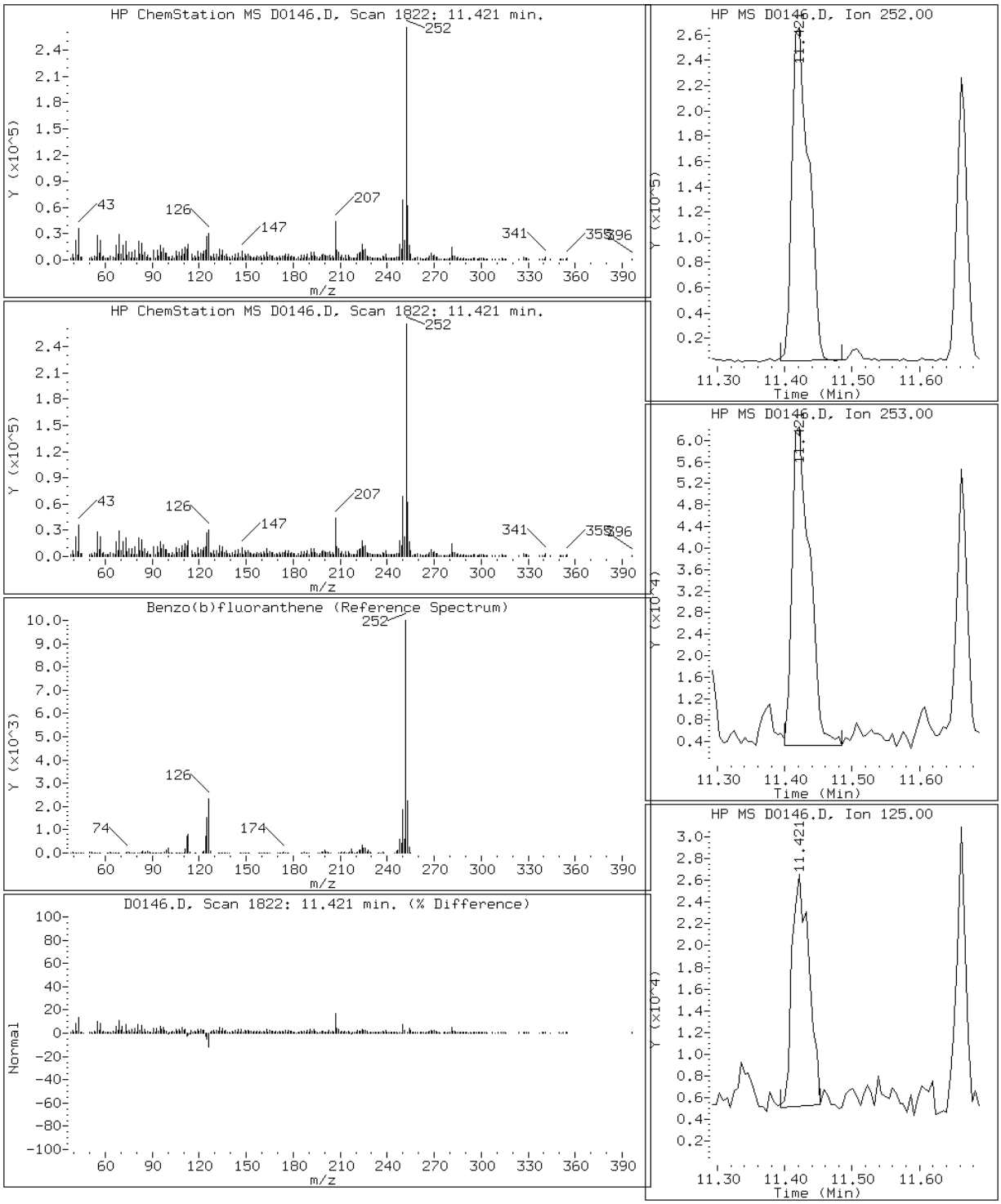
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

171 Benzo(b)fluoranthene



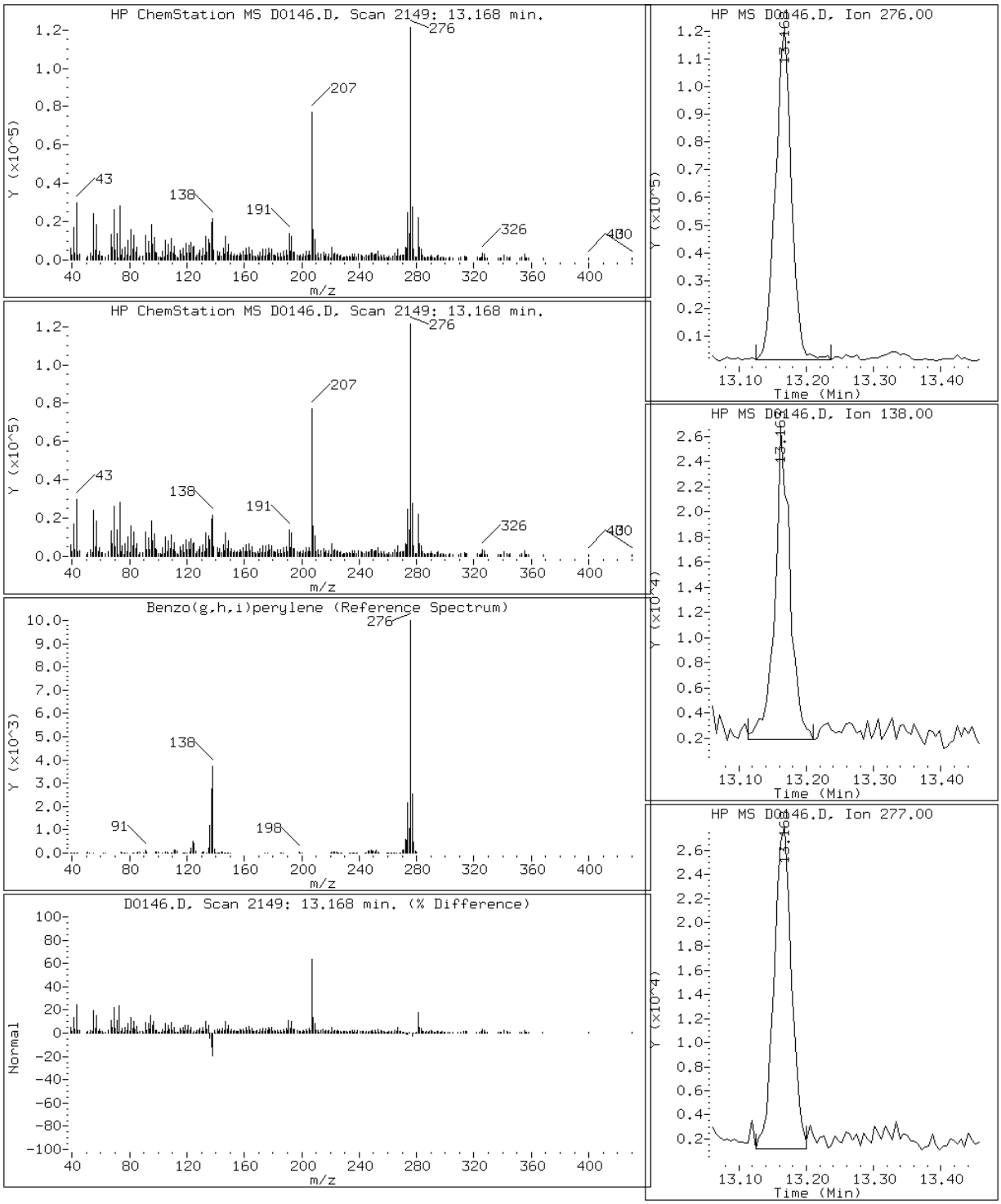
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

188 Benzo(g,h,i)perylene



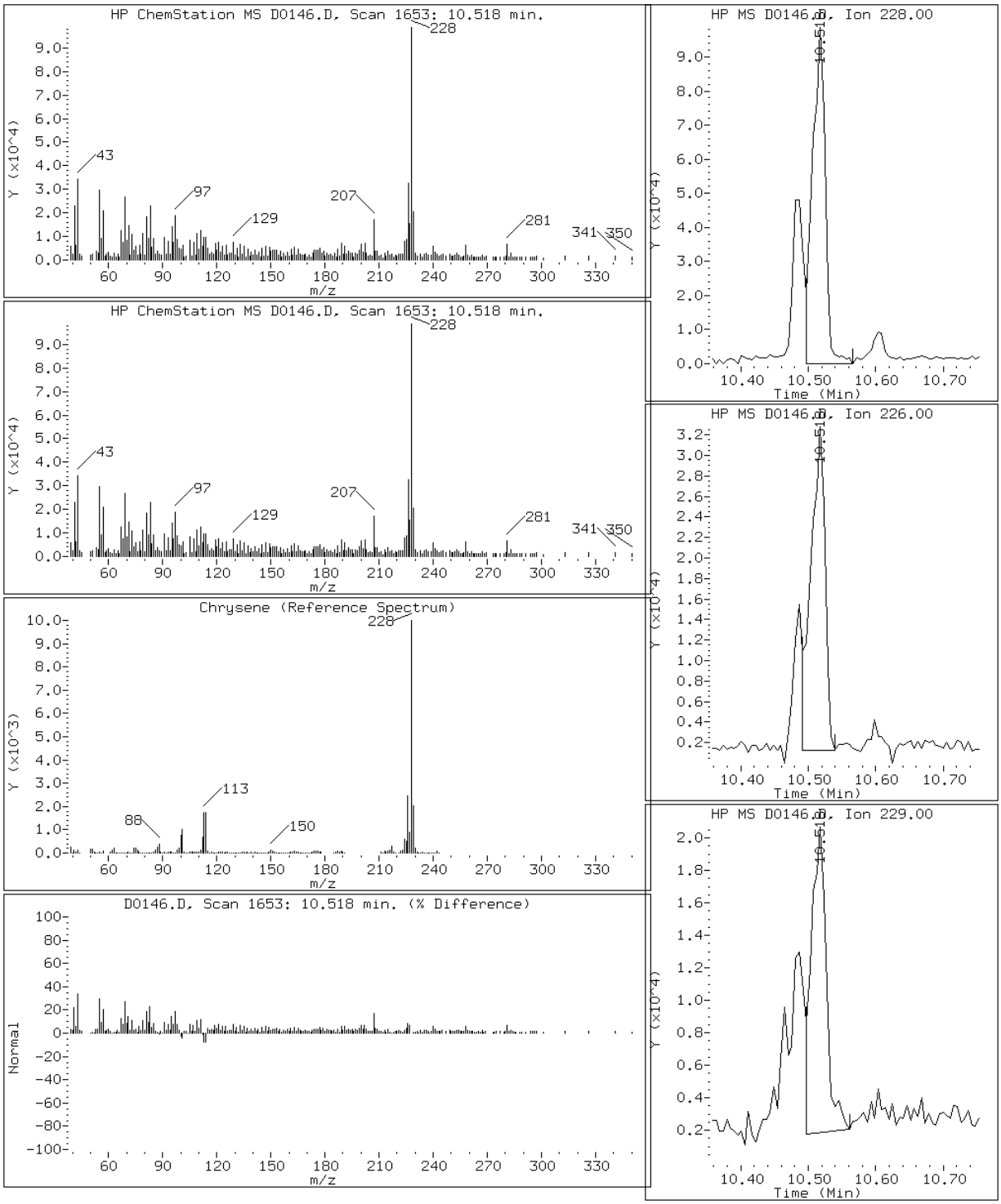
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

167 Chrysene



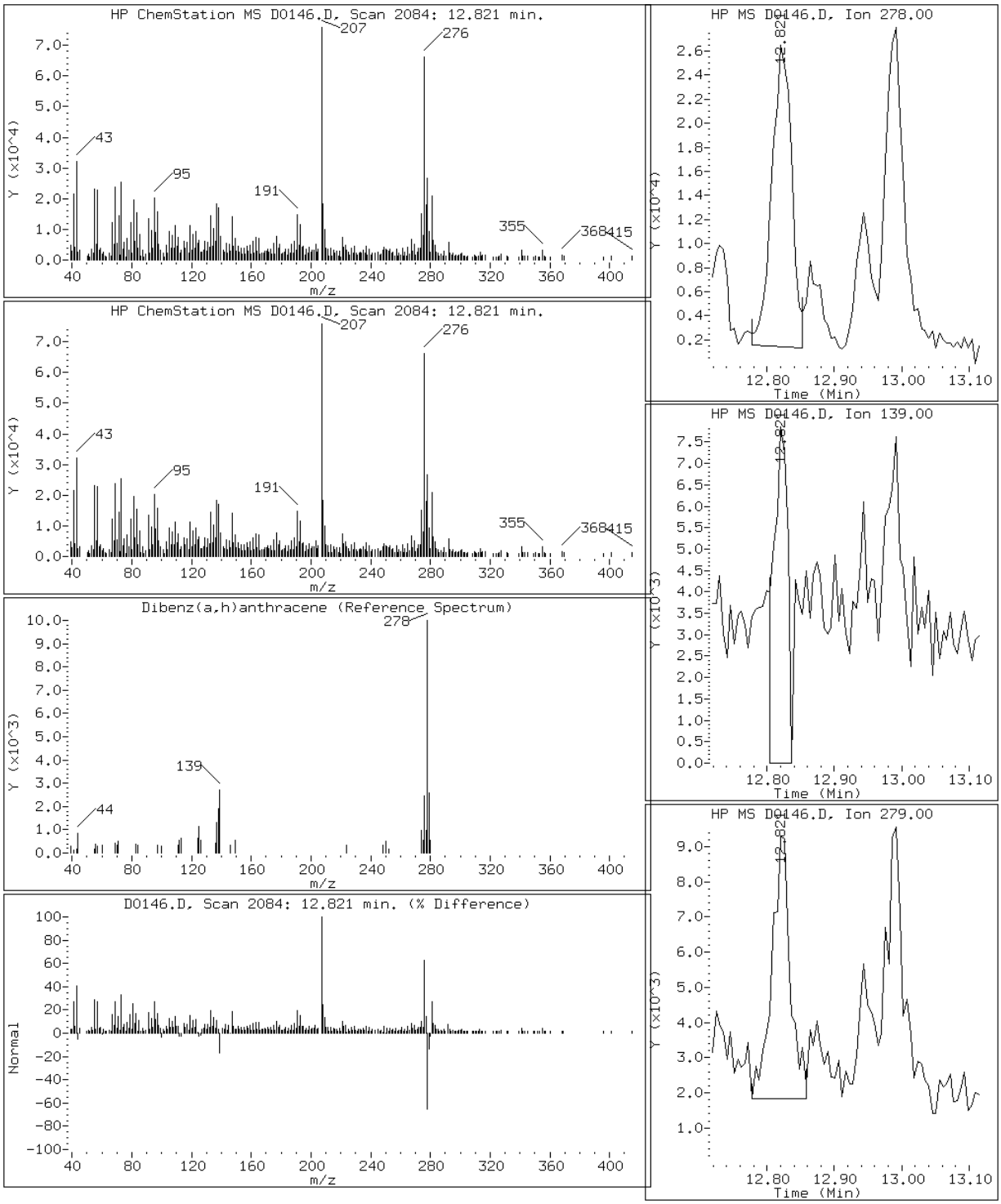
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

185 Dibenz(a,h)anthracene



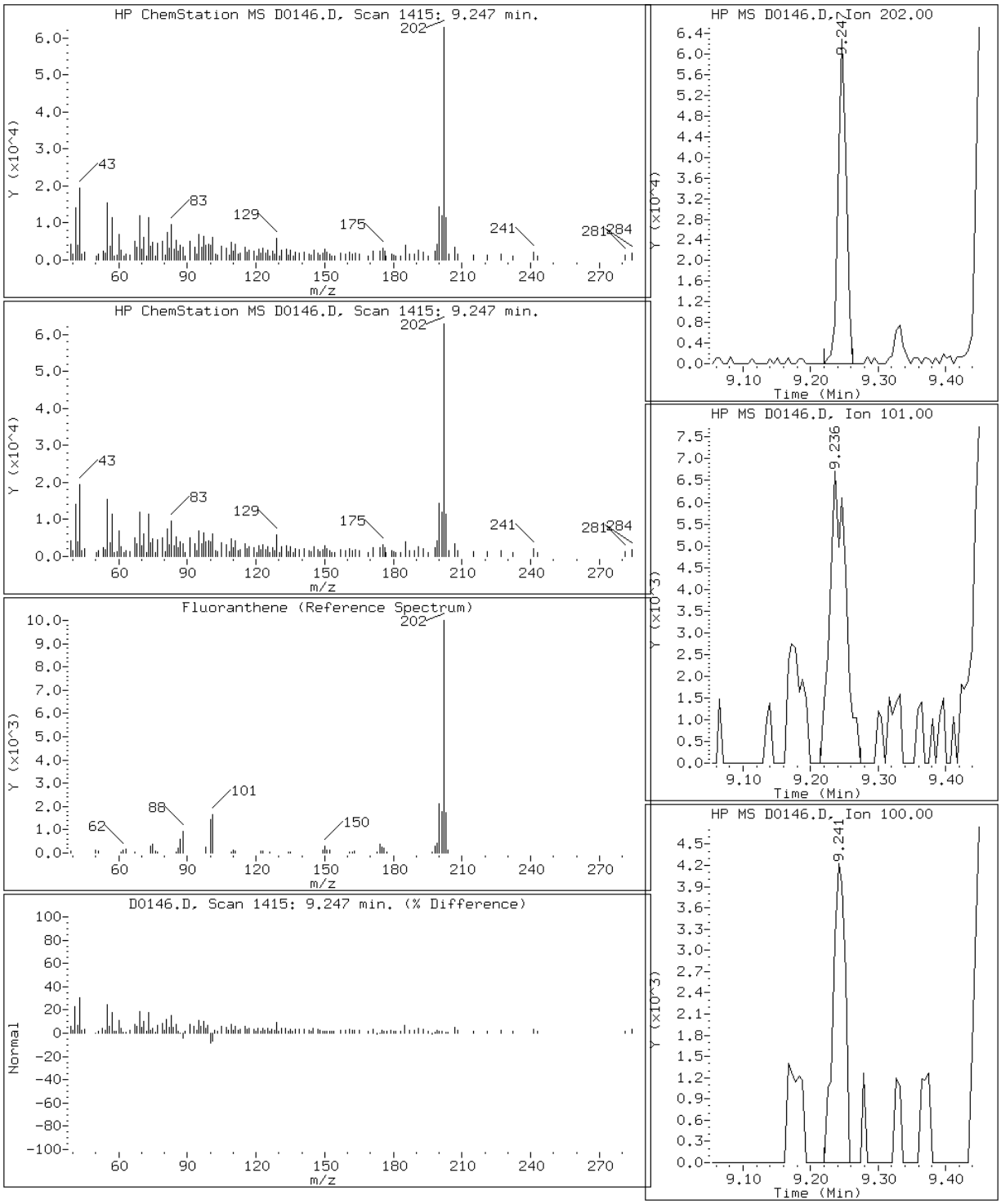
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

149 Fluoranthene



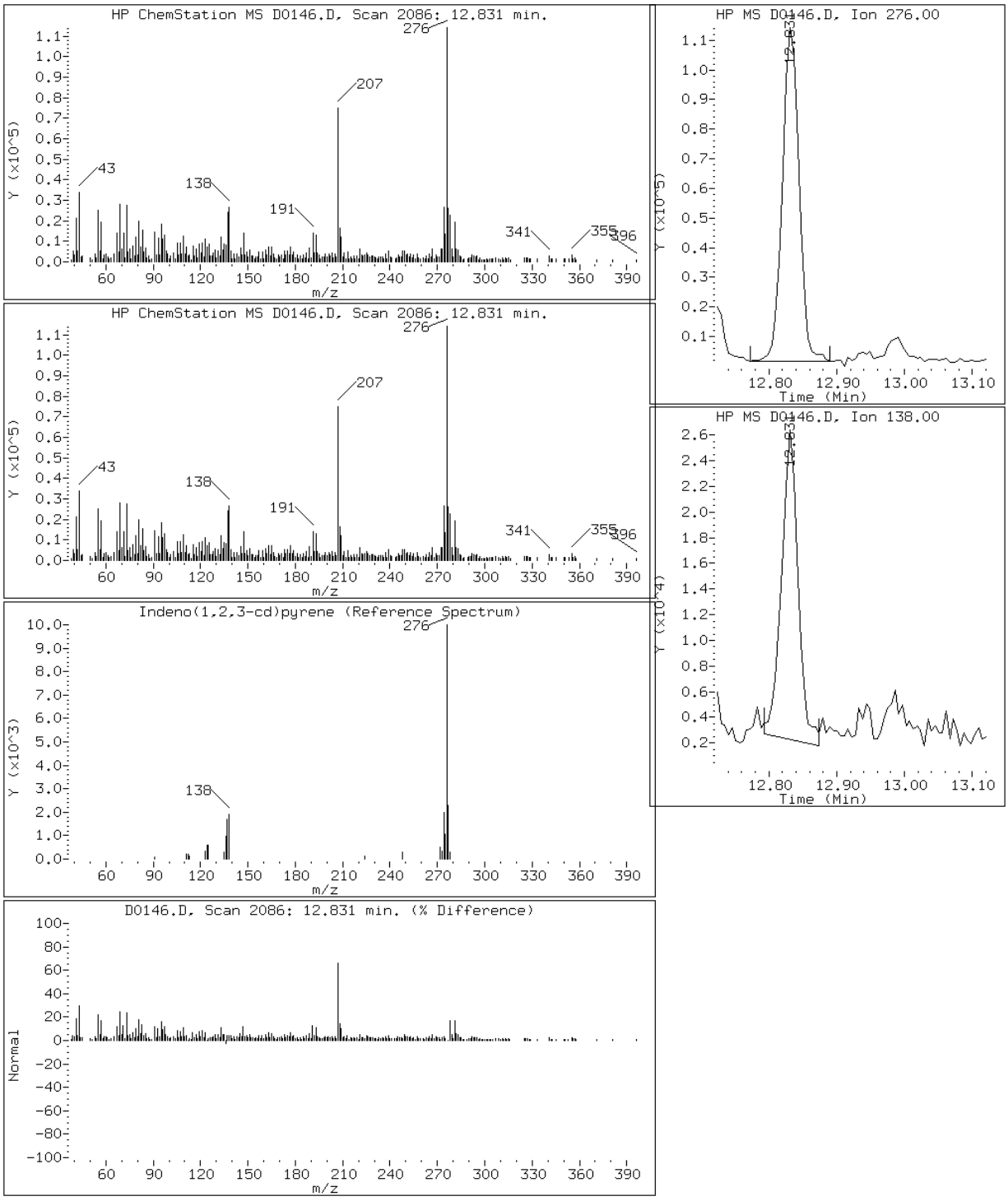
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

186 Indeno(1,2,3-cd)pyrene



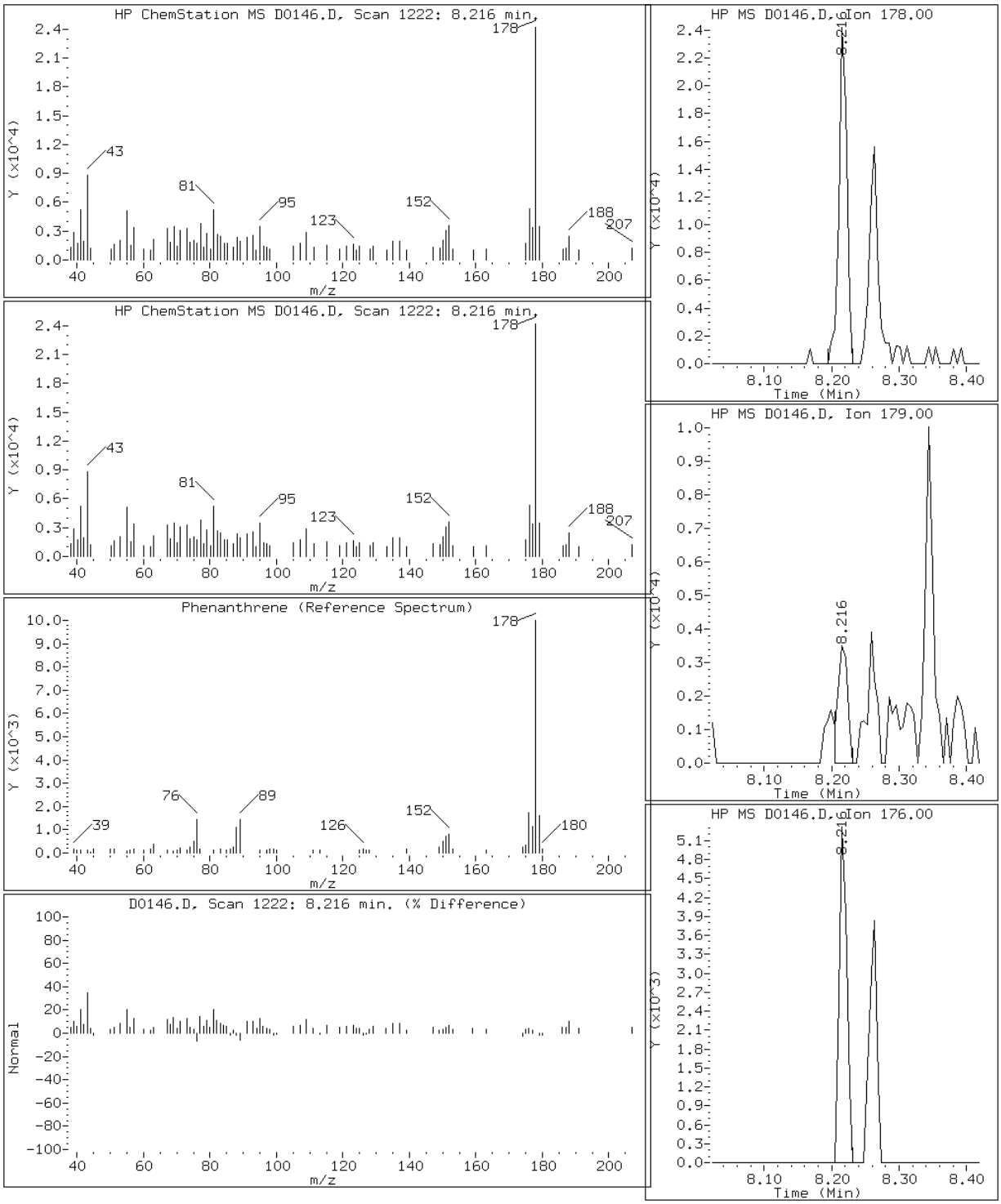
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

136 Phenanthrene



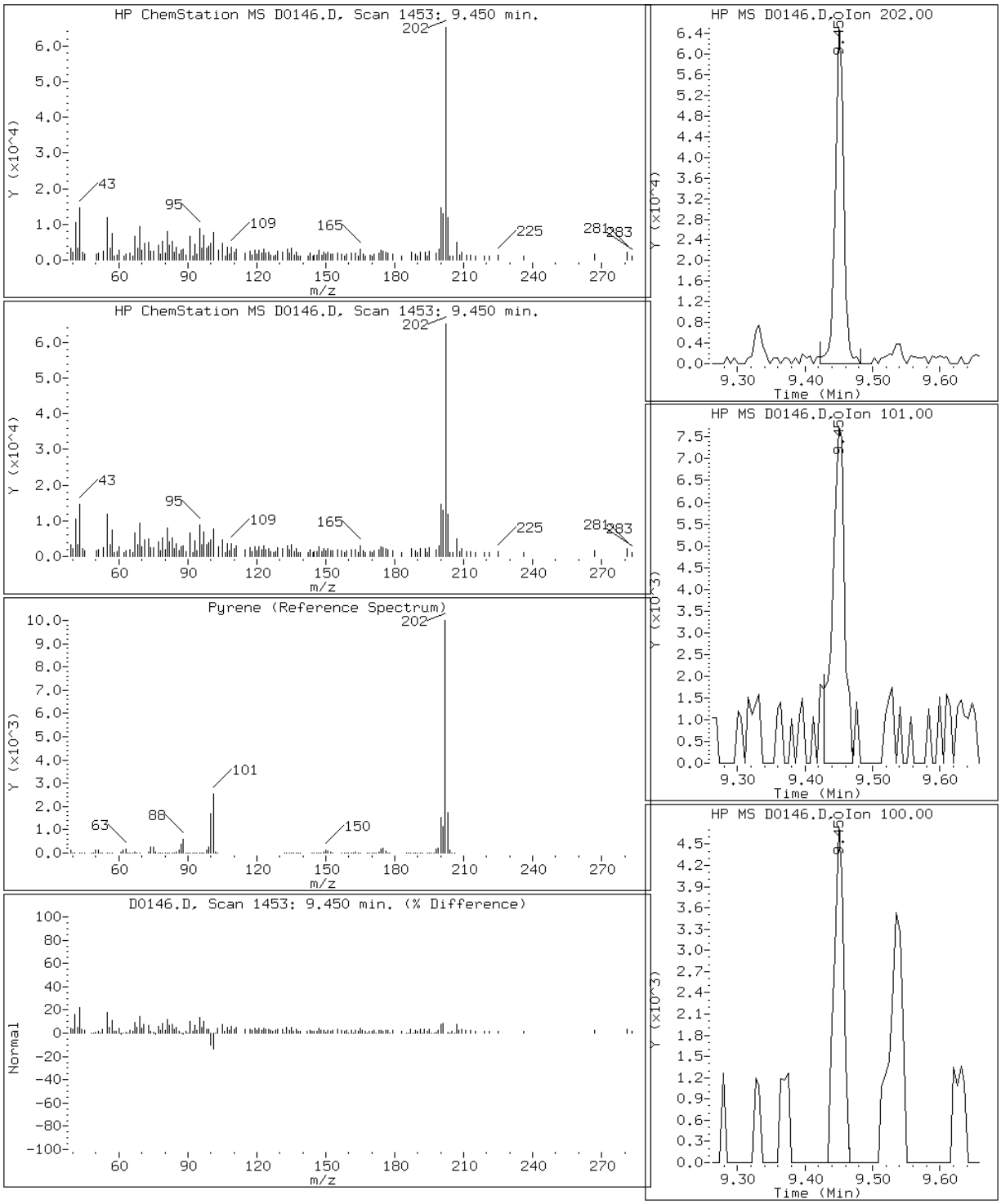
Data File: D0146.D

Date: 18-APR-2012 23:44

Client ID: UNK10501AA Instrument: D.i

Sample Info: 280-27123-a-5-d,4, Operator: hoffmanm

152 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA | Lab Sample ID: 280-27123-6

Matrix: Solid | Lab File ID: D0147.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:00

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.3(g) | Date Analyzed: 04/19/2012 00:02

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

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

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	37	U	370	37	56
95-94-3	1,2,4,5-Tetrachlorobenzene	75	U	370	75	55
120-82-1	1,2,4-Trichlorobenzene	37	U	370	37	31
95-50-1	1,2-Dichlorobenzene	37	U	370	37	25
122-66-7	1,2-Diphenylhydrazine	37	U	370	37	25
541-73-1	1,3-Dichlorobenzene	37	U	370	37	13
106-46-7	1,4-Dichlorobenzene	37	U	370	37	15
108-60-1	2,2'-oxybis[1-chloropropane]	37	U	370	37	26
58-90-2	2,3,4,6-Tetrachlorophenol	37	U	1800	37	150
95-95-4	2,4,5-Trichlorophenol	150	U	370	150	11
88-06-2	2,4,6-Trichlorophenol	74	U	370	74	11
120-83-2	2,4-Dichlorophenol	74	U	370	74	11
105-67-9	2,4-Dimethylphenol	150	U	370	150	74
51-28-5	2,4-Dinitrophenol	750	U	1800	750	370
121-14-2	2,4-Dinitrotoluene	150	U	370	150	74
87-65-0	2,6-Dichlorophenol	150	U	370	150	77
606-20-2	2,6-Dinitrotoluene	74	U	370	74	31
91-58-7	2-Chloronaphthalene	37	U	370	37	11
95-57-8	2-Chlorophenol	37	U	370	37	23
91-57-6	2-Methylnaphthalene	37	U	370	37	21
95-48-7	2-Methylphenol	37	U	370	37	15
88-74-4	2-Nitroaniline	74	U	1800	74	56
88-75-5	2-Nitrophenol	74	U	370	74	11
15831-10-4	3 & 4 Methylphenol	74	U	370	74	37
91-94-1	3,3'-Dichlorobenzidine	370	U	1800	370	100
99-09-2	3-Nitroaniline	150	U	1800	150	82
534-52-1	4,6-Dinitro-2-methylphenol	740	U	1800	740	370
101-55-3	4-Bromophenyl phenyl ether	37	U	370	37	21
59-50-7	4-Chloro-3-methylphenol	150	U	370	150	74
106-47-8	4-Chloroaniline	150	U	370	150	91
7005-72-3	4-Chlorophenyl phenyl ether	74	U	370	74	23
100-01-6	4-Nitroaniline	150	U	1800	150	81
100-02-7	4-Nitrophenol	370	U	1800	370	110
83-32-9	Acenaphthene	19	U	370	19	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA | Lab Sample ID: 280-27123-6

Matrix: Solid | Lab File ID: D0147.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:00

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.3(g) | Date Analyzed: 04/19/2012 00:02

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

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

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	37	U	370	37	19
98-86-2	Acetophenone	37	U	370	37	22
120-12-7	Anthracene	37	U	370	37	19
1912-24-9	Atrazine	150	U	370	150	41
100-52-7	Benzaldehyde	75	U	370	75	44
92-87-5	Benzidine	4400	U	4500	4400	1100
56-55-3	Benzo[a]anthracene	37	U	370	37	22
50-32-8	Benzo[a]pyrene	71	J	370	37	22
205-99-2	Benzo[b]fluoranthene	160	J K	370	37	29
191-24-2	Benzo[g,h,i]perylene	34	J	370	37	18
207-08-9	Benzo[k]fluoranthene	74	U K	370	74	45
65-85-0	Benzoic acid	740	U	1800	740	370
100-51-6	Benzyl alcohol	17	J	370	37	11
111-91-1	Bis(2-chloroethoxy)methane	74	U	370	74	26
111-44-4	Bis(2-chloroethyl)ether	37	U	370	37	19
117-81-7	Bis(2-ethylhexyl) phthalate	99	J	370	74	51
85-68-7	Butyl benzyl phthalate	74	U	370	74	48
105-60-2	Caprolactam	370	U	1800	370	120
86-74-8	Carbazole	75	U	370	75	40
218-01-9	Chrysene	37	U	370	37	30
53-70-3	Dibenz(a,h)anthracene	37	U	370	37	21
132-64-9	Dibenzofuran	37	U	370	37	22
84-66-2	Diethyl phthalate	37	U	740	37	29
131-11-3	Dimethyl phthalate	37	U	370	37	26
84-74-2	Di-n-butyl phthalate	37	U	370	37	32
117-84-0	Di-n-octyl phthalate	74	U	370	74	16
206-44-0	Fluoranthene	74	U	370	74	40
86-73-7	Fluorene	37	U	370	37	20
118-74-1	Hexachlorobenzene	74	U	370	74	32
87-68-3	Hexachlorobutadiene	74	U	370	74	11
77-47-4	Hexachlorocyclopentadiene	74	U	1900	74	56
67-72-1	Hexachloroethane	37	U	370	37	24
193-39-5	Indeno[1,2,3-cd]pyrene	83	J	370	37	25
78-59-1	Isophorone	37	U	370	37	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA | Lab Sample ID: 280-27123-6

Matrix: Solid | Lab File ID: D0147.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:00

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.3(g) | Date Analyzed: 04/19/2012 00:02

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

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

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	74	U	370	74	35
98-95-3	Nitrobenzene	37	U	370	37	25
62-75-9	N-Nitrosodimethylamine	74	U	580	74	41
621-64-7	N-Nitrosodi-n-propylamine	74	U	370	74	35
86-30-6	N-Nitrosodiphenylamine	37	U	370	37	23
930-55-2	N-Nitrosopyrrolidine	150	U	370	150	71
87-86-5	Pentachlorophenol	750	U	1800	750	370
85-01-8	Phenanthrene	37	U	370	37	19
108-95-2	Phenol	37	U	370	37	20
129-00-0	Pyrene	37	U	450	37	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	99		35-125
321-60-8	2-Fluorobiphenyl	71		45-105
367-12-4	2-Fluorophenol (Surr)	71		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	70		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	100		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0147.D
Lab Smp Id: 280-27123-A-6-D Client Smp ID: UNK10502AA
Inj Date : 19-APR-2012 00:02
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-6-d
Misc Info : 280-27123-A-6-D
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	32.300	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	26 1,4-Dichlorobenzene-d4	152	4.017	4.020	(1.000)	235357	40.0000	
*	58 Naphthalene-d8	136	5.192	5.190	(1.000)	836998	40.0000	
*	96 Acenaphthene-d10	164	6.864	6.867	(1.000)	526470	40.0000	
*	135 Phenanthrene-d10	188	8.195	8.198	(1.000)	974612	40.0000	
*	166 Chrysene-d12	240	10.497	10.521	(1.000)	1123590	40.0000	
*	179 Perylene-d12	264	11.769	11.819	(1.000)	1045329	40.0000	
$	8 2-Fluorophenol	112	2.959	2.953	(0.737)	827961	107.214	3319.32
$	15 Phenol-d5	99	3.654	3.653	(0.910)	1088683	109.226	3381.61
$	43 Nitrobenzene-d5	82	4.514	4.513	(0.869)	694594	69.5870	2154.40
$	81 2-Fluorobiphenyl	172	6.213	6.212	(0.905)	1362878	71.0411	2199.42
$	118 2,4,6-Tribromophenol	330	7.580	7.585	(1.104)	457467	147.796	4575.74
$	154 Terphenyl-d14	244	9.536	9.546	(0.908)	2280493	100.350	3106.80
$	29 1,2-Dichlorobenzene-d4	152	4.156	4.161	(1.035)	371553	59.7681	1850.40
$	22 2-Chlorophenol-d4	132	3.825	3.824	(0.952)	863884	104.597	3238.29
	4 1,4-Dioxane	88	Compound Not Detected.					
	5 N-Nitrosodimethylamine	74	Compound Not Detected.					
	6 Pyridine	79	Compound Not Detected.					
	9 2-Picoline	93	Compound Not Detected.					
	10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
	11 Methyl methanesulfonate	80	Compound Not Detected.					
	12 N-Nitrosodiethylamine	102	Compound Not Detected.					
	13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	4.113	4.113	(1.024)	2391	0.46359	14.3525(aQ)
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	Compound Not Detected.					
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	10.369	10.406	(0.988)	6790	2.67038	82.6743(aQH)
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	11.427	11.490	(0.971)	56670	4.31690	133.650(aH)
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.720	11.784	(0.996)	7786	1.91730	59.3592(aQH)
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	12.842	12.922	(1.223)	27424	2.22278	68.8167(aH)
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	13.174	13.258	(1.119)	26670	0.90627	28.0578(aQ)
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0147.D

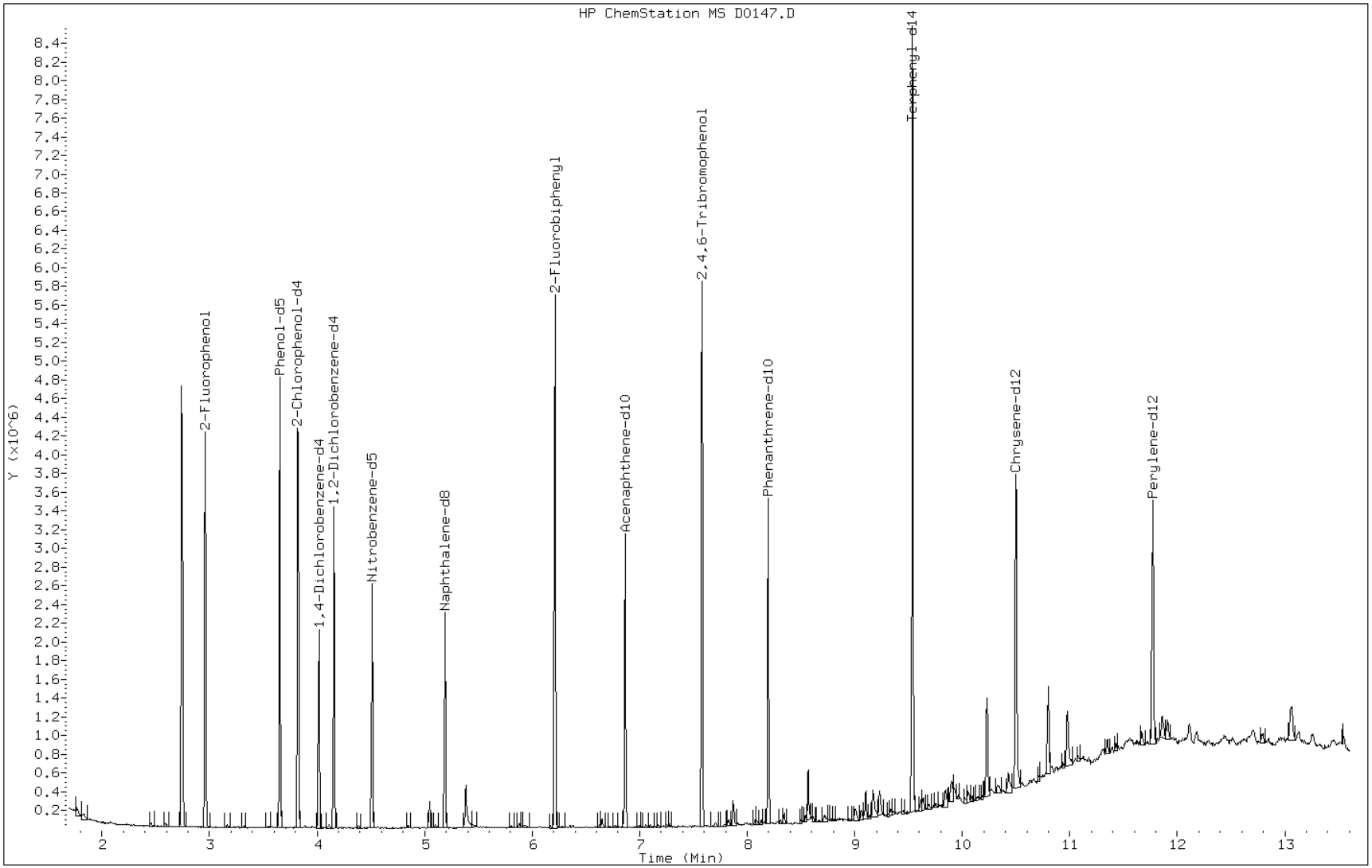
Date: 19-APR-2012 00:02

Client ID: UNK10502AA

Instrument: D.i

Sample Info: 280-27123-a-6-d

Operator: hoffmanm



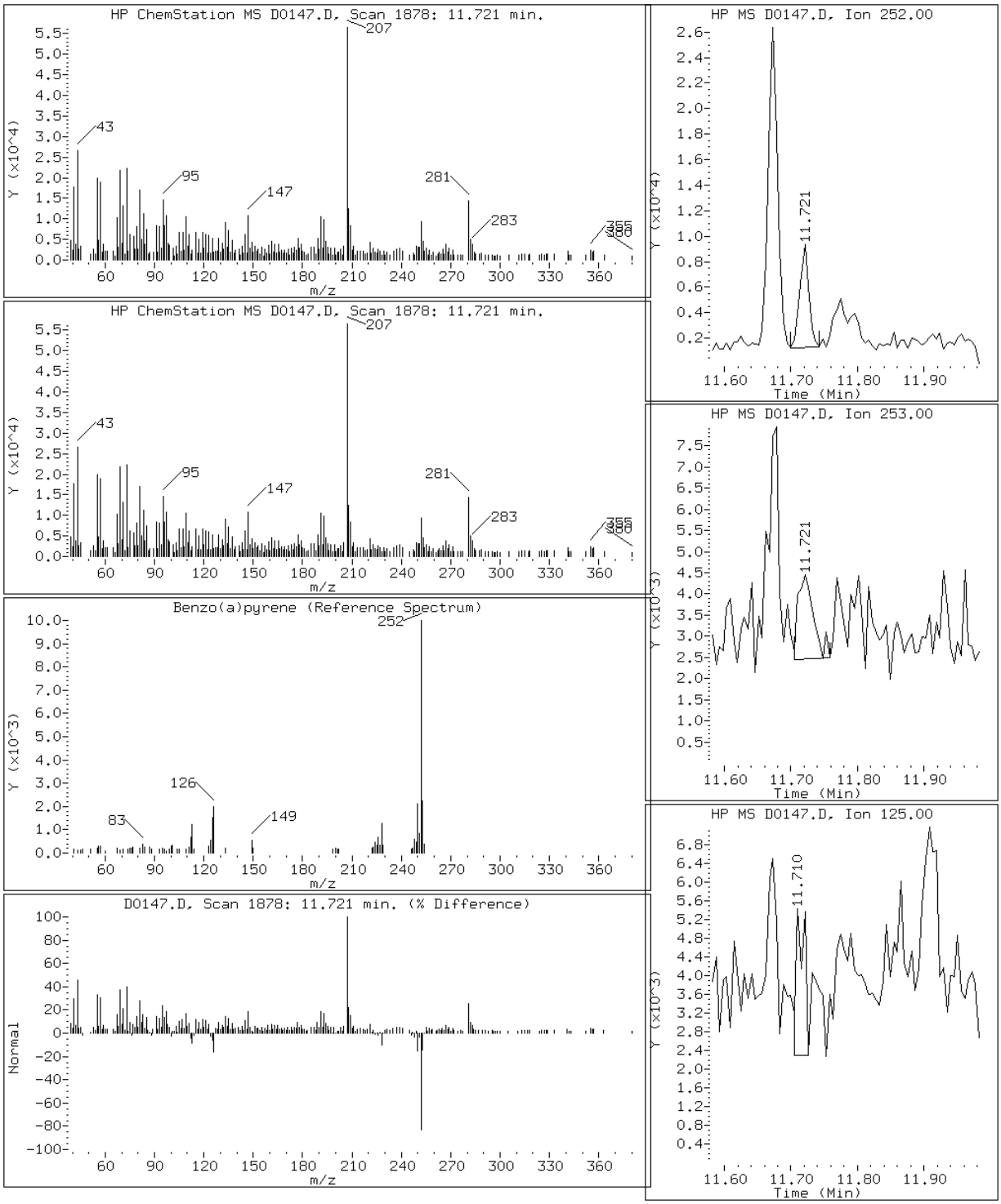
Data File: D0147.D

Date: 19-APR-2012 00:02

Client ID: UNK10502AA Instrument: D.i

Sample Info: 280-27123-a-6-d Operator: hoffmanm

178 Benzo(a)pyrene



Data File: D0147.D

Date: 19-APR-2012 00:02

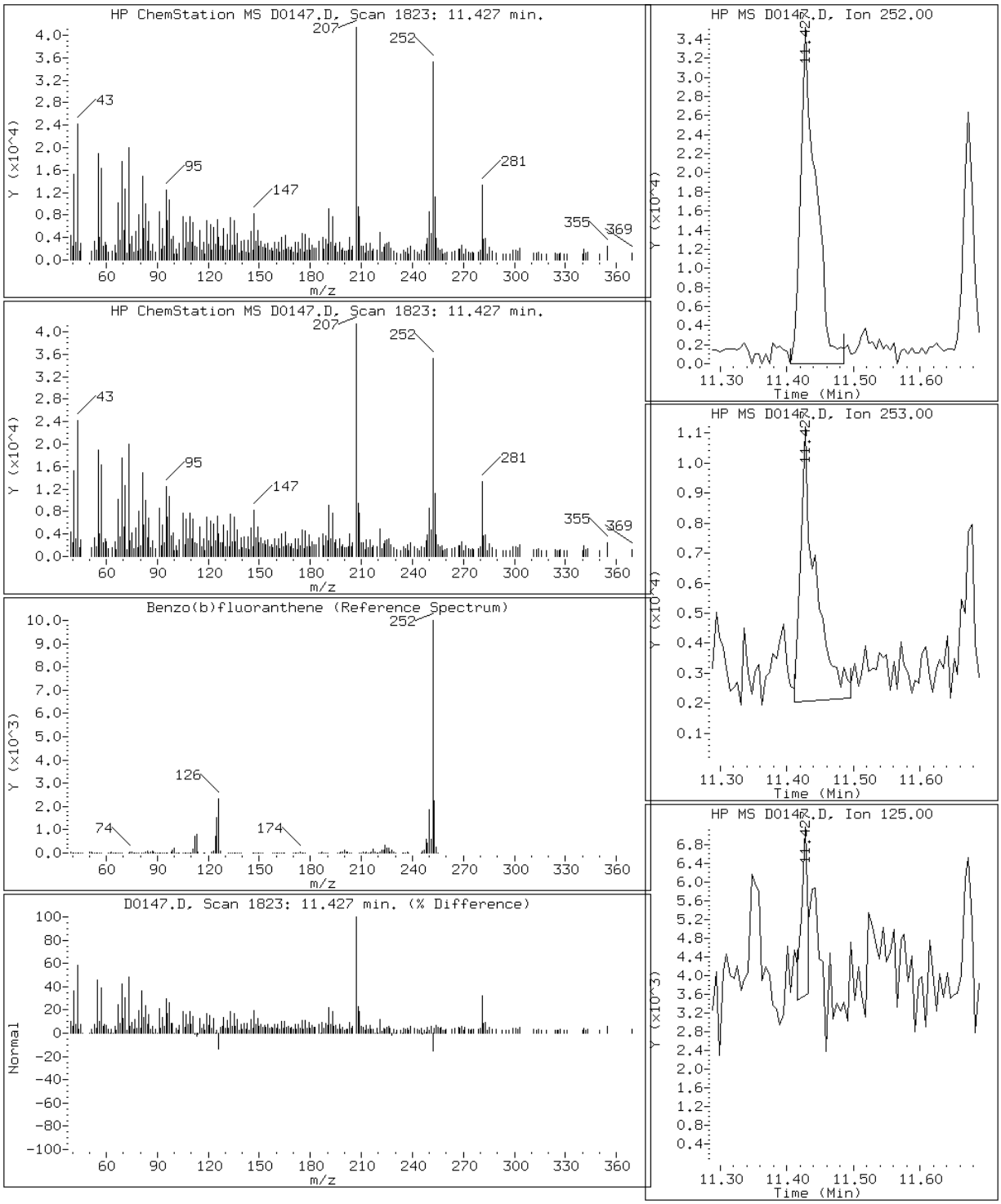
Client ID: UNK10502AA

Instrument: D.i

Sample Info: 280-27123-a-6-d

Operator: hoffmanm

171 Benzo(b)fluoranthene



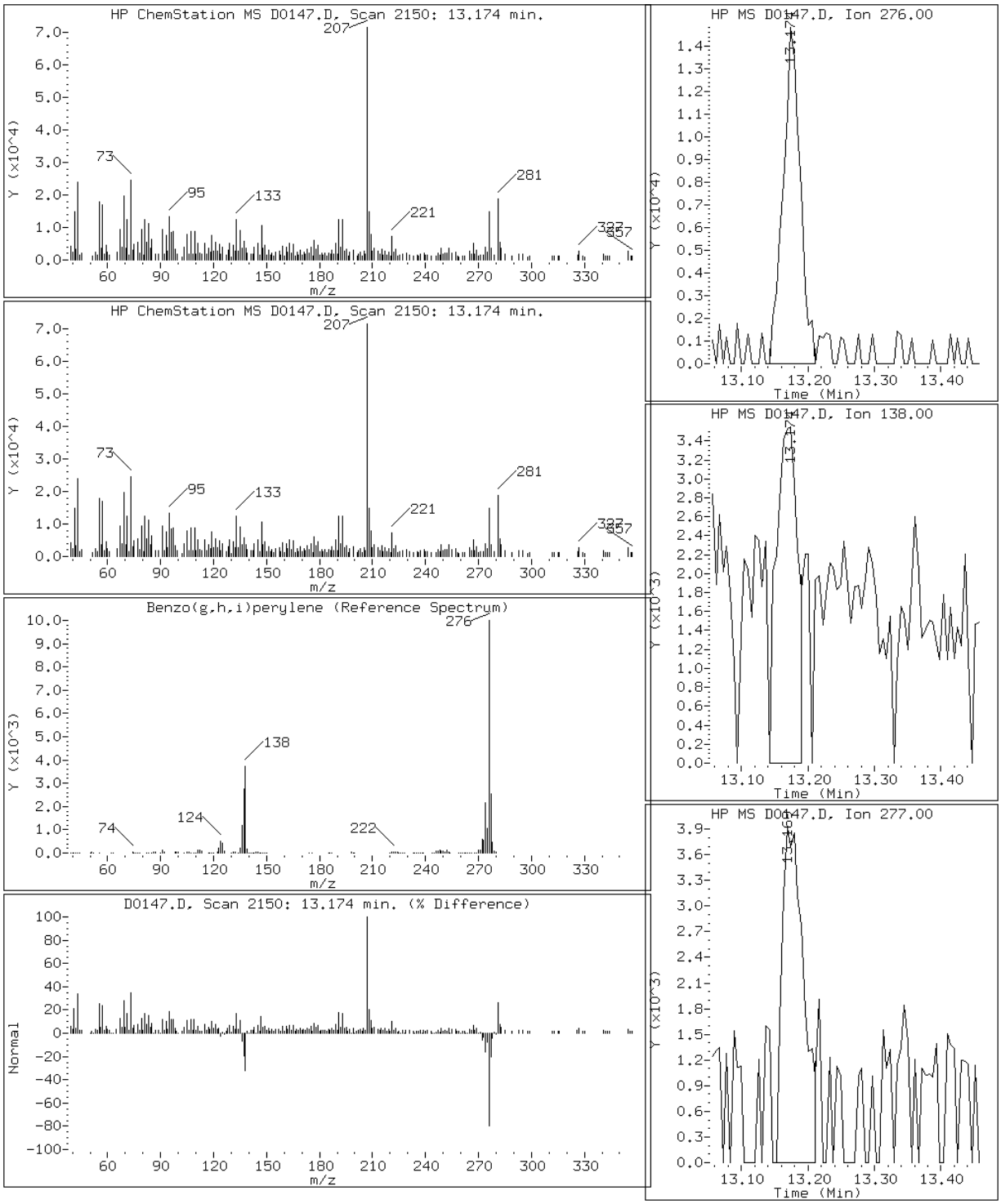
Data File: D0147.D

Date: 19-APR-2012 00:02

Client ID: UNK10502AA Instrument: D.i

Sample Info: 280-27123-a-6-d Operator: hoffmanm

188 Benzo(g,h,i)perylene



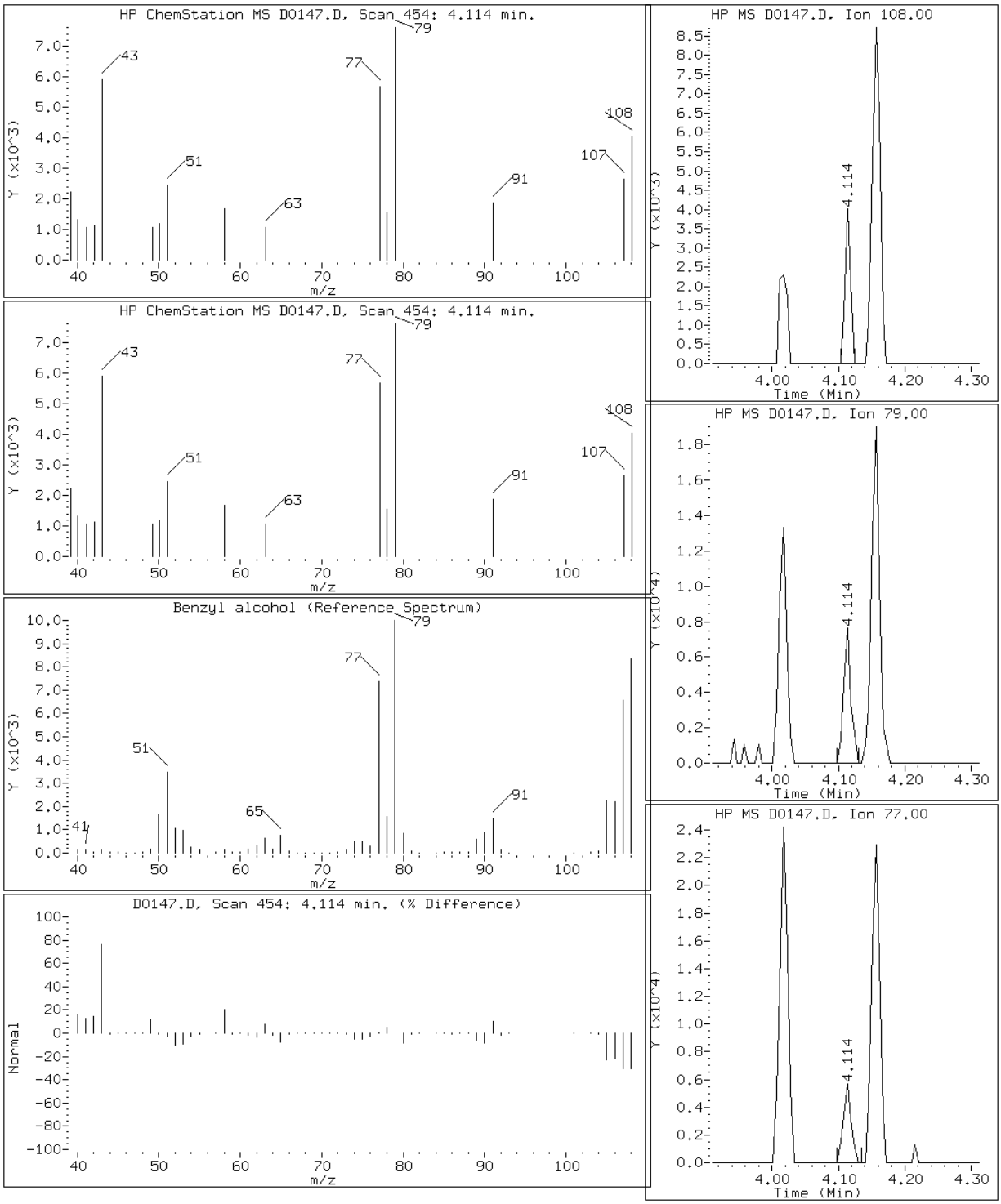
Data File: D0147.D

Date: 19-APR-2012 00:02

Client ID: UNK10502AA Instrument: D.i

Sample Info: 280-27123-a-6-d Operator: hoffmanm

28 Benzyl alcohol



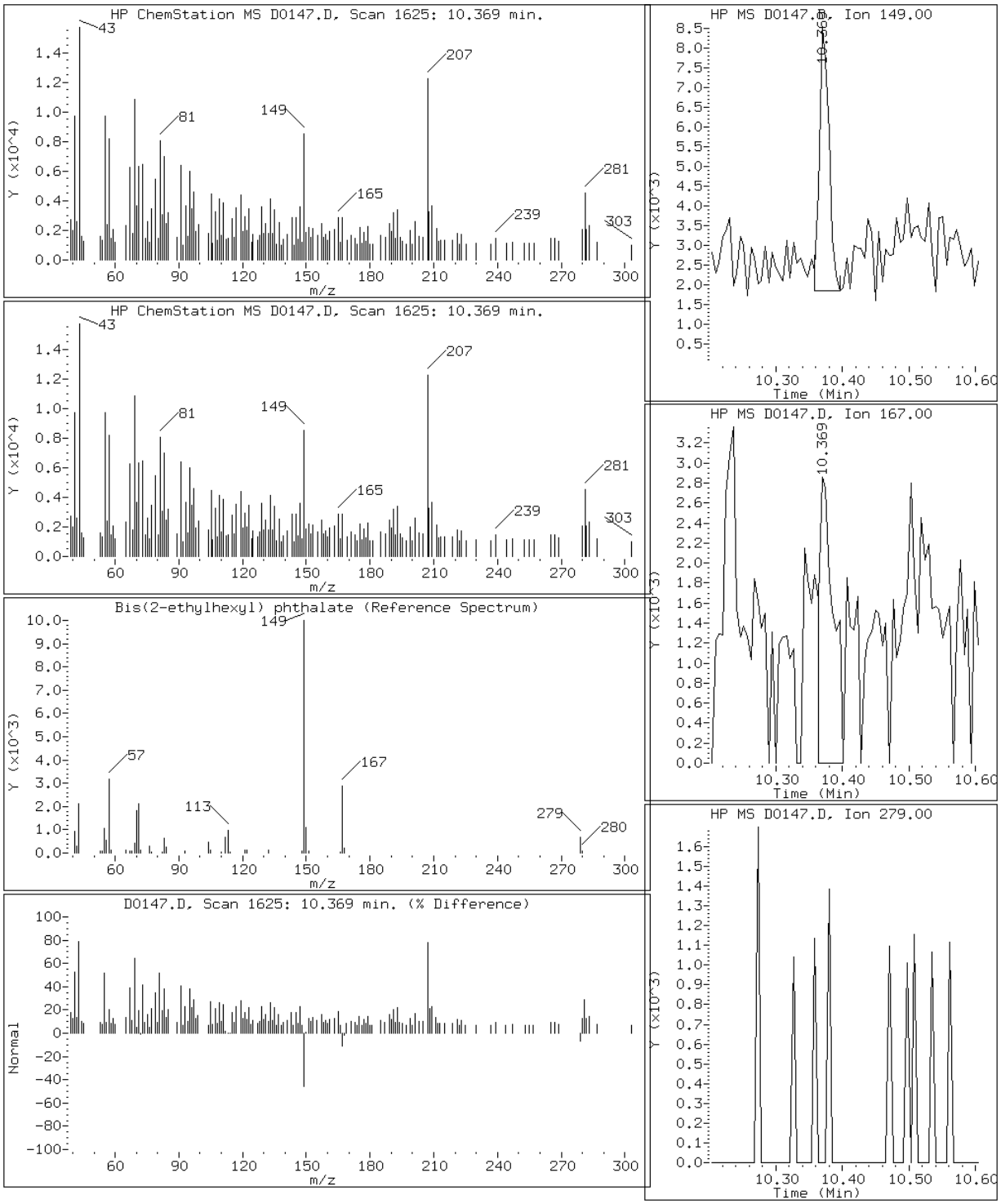
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Date: 19-APR-2012 00:02

Client ID: UNK10502AA Instrument: D.i

Sample Info: 280-27123-a-6-d Operator: hoffmanm

162 Bis(2-ethylhexyl) phthalate



Data File: D0147.D

Date: 19-APR-2012 00:02

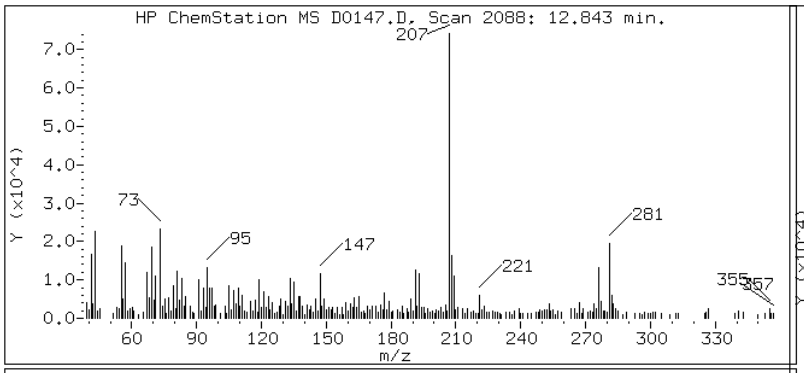
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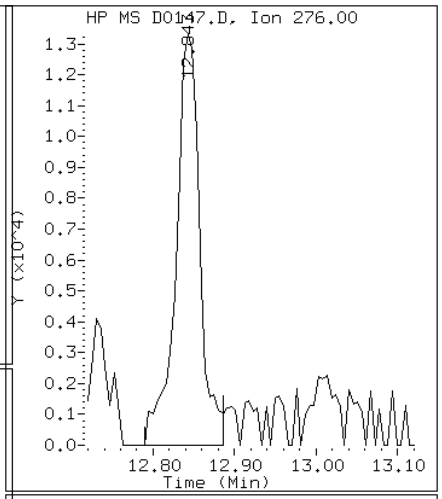
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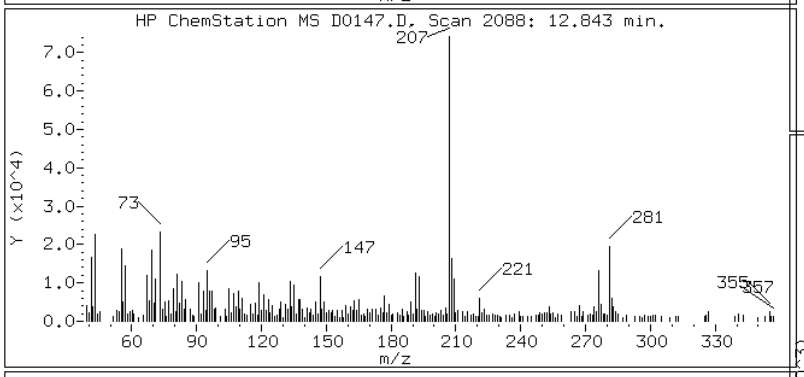
Sample Info: 280-27123-a-6-d

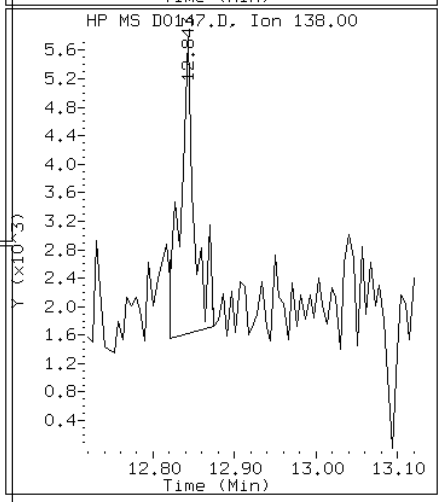
Operator: hoffmanm

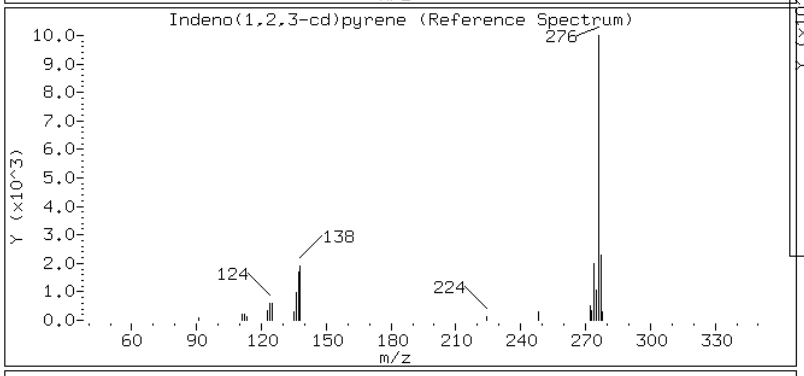
186 Indeno(1,2,3-cd)pyrene

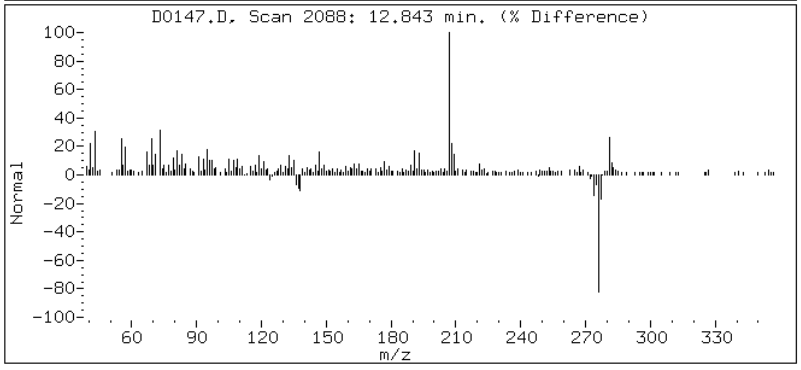












FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA | Lab Sample ID: 280-27123-7

Matrix: Solid | Lab File ID: D0148.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:15

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.9(g) | Date Analyzed: 04/19/2012 00:21

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	200	U	2000	200	300
95-94-3	1,2,4,5-Tetrachlorobenzene	400	U	2000	400	290
120-82-1	1,2,4-Trichlorobenzene	200	U	2000	200	170
95-50-1	1,2-Dichlorobenzene	200	U	2000	200	130
122-66-7	1,2-Diphenylhydrazine	200	U	2000	200	130
541-73-1	1,3-Dichlorobenzene	200	U	2000	200	72
106-46-7	1,4-Dichlorobenzene	200	U	2000	200	82
108-60-1	2,2'-oxybis[1-chloropropane]	200	U	2000	200	140
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	9600	200	820
95-95-4	2,4,5-Trichlorophenol	780	U	2000	780	60
88-06-2	2,4,6-Trichlorophenol	400	U	2000	400	60
120-83-2	2,4-Dichlorophenol	400	U	2000	400	60
105-67-9	2,4-Dimethylphenol	780	U	2000	780	400
51-28-5	2,4-Dinitrophenol	4000	U	9600	4000	2000
121-14-2	2,4-Dinitrotoluene	780	U	2000	780	400
87-65-0	2,6-Dichlorophenol	780	U	2000	780	410
606-20-2	2,6-Dinitrotoluene	400	U	2000	400	170
91-58-7	2-Chloronaphthalene	200	U	2000	200	60
95-57-8	2-Chlorophenol	200	U	2000	200	130
91-57-6	2-Methylnaphthalene	910	J	2000	200	110
95-48-7	2-Methylphenol	200	U	2000	200	78
88-74-4	2-Nitroaniline	400	U	9600	400	300
88-75-5	2-Nitrophenol	400	U	2000	400	60
15831-10-4	3 & 4 Methylphenol	210	J	2000	400	200
91-94-1	3,3'-Dichlorobenzidine	2000	U	9600	2000	540
99-09-2	3-Nitroaniline	800	U	9600	800	440
534-52-1	4,6-Dinitro-2-methylphenol	4000	U	9600	4000	2000
101-55-3	4-Bromophenyl phenyl ether	200	U	2000	200	110
59-50-7	4-Chloro-3-methylphenol	780	U	2000	780	400
106-47-8	4-Chloroaniline	780	U	2000	780	490
7005-72-3	4-Chlorophenyl phenyl ether	400	U	2000	400	130
100-01-6	4-Nitroaniline	780	U	9600	780	440
100-02-7	4-Nitrophenol	2000	U	9600	2000	580
83-32-9	Acenaphthene	1300	J	2000	100	62

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA | Lab Sample ID: 280-27123-7

Matrix: Solid | Lab File ID: D0148.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:15

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.9(g) | Date Analyzed: 04/19/2012 00:21

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	200	U	2000	200	100
98-86-2	Acetophenone	200	U	2000	200	120
120-12-7	Anthracene	2900		2000	200	100
1912-24-9	Atrazine	780	U	2000	780	220
100-52-7	Benzaldehyde	400	U	2000	400	230
92-87-5	Benzidine	24000	U	24000	24000	5900
56-55-3	Benzo[a]anthracene	3200		2000	200	120
50-32-8	Benzo[a]pyrene	2300		2000	200	120
205-99-2	Benzo[b]fluoranthene	3800	K	2000	200	160
191-24-2	Benzo[g,h,i]perylene	1200	J	2000	200	96
207-08-9	Benzo[k]fluoranthene	400	U K	2000	400	240
65-85-0	Benzoic acid	4000	U	9600	4000	2000
100-51-6	Benzyl alcohol	200	U	2000	200	60
111-91-1	Bis(2-chloroethoxy)methane	400	U	2000	400	140
111-44-4	Bis(2-chloroethyl)ether	200	U	2000	200	100
117-81-7	Bis(2-ethylhexyl) phthalate	540	J	2000	400	280
85-68-7	Butyl benzyl phthalate	400	U	2000	400	260
105-60-2	Caprolactam	2000	U	9600	2000	640
86-74-8	Carbazole	1400	J	2000	400	220
218-01-9	Chrysene	2900		2000	200	160
53-70-3	Dibenz(a,h)anthracene	970	J	2000	200	110
132-64-9	Dibenzofuran	1600	J	2000	200	120
84-66-2	Diethyl phthalate	200	U	4000	200	160
131-11-3	Dimethyl phthalate	200	U	2000	200	140
84-74-2	Di-n-butyl phthalate	200	U	2000	200	170
117-84-0	Di-n-octyl phthalate	400	U	2000	400	86
206-44-0	Fluoranthene	7500		2000	400	220
86-73-7	Fluorene	1800	J	2000	200	110
118-74-1	Hexachlorobenzene	400	U	2000	400	170
87-68-3	Hexachlorobutadiene	400	U	2000	400	60
77-47-4	Hexachlorocyclopentadiene	400	U	10000	400	300
67-72-1	Hexachloroethane	200	U	2000	200	130
193-39-5	Indeno[1,2,3-cd]pyrene	1300	J	2000	200	130
78-59-1	Isophorone	200	U	2000	200	100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA | Lab Sample ID: 280-27123-7

Matrix: Solid | Lab File ID: D0148.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:15

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.9(g) | Date Analyzed: 04/19/2012 00:21

Con. Extract Vol.: 1000(uL) | Dilution Factor: 4

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	2100		2000	400	190
98-95-3	Nitrobenzene	200	U	2000	200	130
62-75-9	N-Nitrosodimethylamine	400	U	3100	400	220
621-64-7	N-Nitrosodi-n-propylamine	400	U	2000	400	190
86-30-6	N-Nitrosodiphenylamine	200	U	2000	200	130
930-55-2	N-Nitrosopyrrolidine	780	U	2000	780	380
87-86-5	Pentachlorophenol	4000	U	9600	4000	2000
85-01-8	Phenanthrene	10000		2000	200	100
108-95-2	Phenol	130	J	2000	200	110
129-00-0	Pyrene	5900		2400	200	73

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	96	D	35-125
321-60-8	2-Fluorobiphenyl	78	D	45-105
367-12-4	2-Fluorophenol (Surr)	77	D	35-105
4165-60-0	Nitrobenzene-d5 (Surr)	74	D	35-100
4165-62-2	Phenol-d5 (Surr)	82	D	40-100
1718-51-0	Terphenyl-d14 (Surr)	85	D	30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0148.D
Lab Smp Id: 280-27123-A-7-D Client Smp ID: UNK10601AA
Inj Date : 19-APR-2012 00:21
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-7-d,4,
Misc Info : 280-27123-A-7-D
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 34
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	4.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.900	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	26 1,4-Dichlorobenzene-d4	152	4.016	4.020	(1.000)	233580	40.0000	
*	58 Naphthalene-d8	136	5.192	5.190	(1.000)	831539	40.0000	
*	96 Acenaphthene-d10	164	6.864	6.867	(1.000)	527466	40.0000	
*	135 Phenanthrene-d10	188	8.194	8.198	(1.000)	959311	40.0000	
*	166 Chrysene-d12	240	10.507	10.521	(1.000)	1120150	40.0000	
*	179 Perylene-d12	264	11.784	11.819	(1.000)	1048838	40.0000	
$	8 2-Fluorophenol	112	2.959	2.953	(0.737)	220503	28.7705	3724.34
$	15 Phenol-d5	99	3.653	3.653	(0.910)	302330	30.5631	3956.38
$	43 Nitrobenzene-d5	82	4.513	4.513	(0.869)	183176	18.4717	2391.16
$	81 2-Fluorobiphenyl	172	6.212	6.212	(0.905)	373753	19.4454	2517.20
$	118 2,4,6-Tribromophenol	330	7.579	7.585	(1.104)	91812	36.0812	4670.70
$	154 Terphenyl-d14	244	9.540	9.546	(0.908)	482347	21.2901	2756.00
$	29 1,2-Dichlorobenzene-d4	152	4.155	4.161	(1.035)	93593	15.1699	1963.74
$	22 2-Chlorophenol-d4	132	3.824	3.824	(0.952)	234598	28.6206	3704.94
	4 1,4-Dioxane	88	Compound Not Detected.					
	5 N-Nitrosodimethylamine	74	Compound Not Detected.					
	6 Pyridine	79	Compound Not Detected.					
	9 2-Picoline	93	Compound Not Detected.					
	10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
	11 Methyl methanesulfonate	80	Compound Not Detected.					
	12 N-Nitrosodiethylamine	102	Compound Not Detected.					
	13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	3.664	3.664	(0.912)	6518	0.64139	83.0281(aQ)
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	Compound Not Detected.					
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	4.326	4.326	(1.077)	7997	1.05352	136.378(a)
36	4-Methylphenol	108	4.326	4.326	(1.077)	7997	1.05352	136.378(a)
139	3 & 4-Methylphenol	108	4.326	4.326	(1.077)	7997	1.05352	136.378(a)
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	5.213	5.213	(1.004)	242961	10.3858	1344.44
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	5.875	5.876	(1.132)	72607	4.55322	589.413(a)
72	1-Methylnaphthalene	142	5.971	5.977	(1.150)	46330	3.16961	410.305(a)
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	6.896	6.896	(1.005)	103136	6.51333	843.149(a)
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	7.051	7.051	(1.027)	178059	7.87404	1019.29(a)
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	7.360	7.361	(1.072)	175209	9.15274	1184.82(a)
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	8.215	8.221	(1.003)	1379599	50.1875	6496.76
137 Anthracene	178	8.258	8.263	(1.008)	396955	14.4971	1876.65
140 Carbazole	167	8.397	8.402	(1.025)	171334	6.82397	883.362(a)
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	9.246	9.252	(1.128)	1180797	37.6296	4871.14
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.455	9.460	(0.900)	927397	29.3533	3799.78
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	10.379	10.406	(0.988)	7106	2.69009	348.232(aQ)
165	Benzo(a)anthracene	228	10.491	10.518	(0.998)	508869	15.9872	2069.54(H)
167	Chrysene	228	10.528	10.555	(1.002)	425888	14.5462	1883.00
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	11.442	11.490	(0.971)	612738	19.0220	2462.40(H)
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.730	11.784	(0.995)	349063	11.6277	1505.20(H)
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	12.852	12.922	(1.223)	196212	6.68373	865.208(aH)
185	Dibenz(a,h)anthracene	278	12.847	12.916	(1.090)	64087	4.82773	624.948(aH)
188	Benzo(g,h,i)perylene	276	13.189	13.258	(1.119)	177116	5.99840	776.492(a)
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

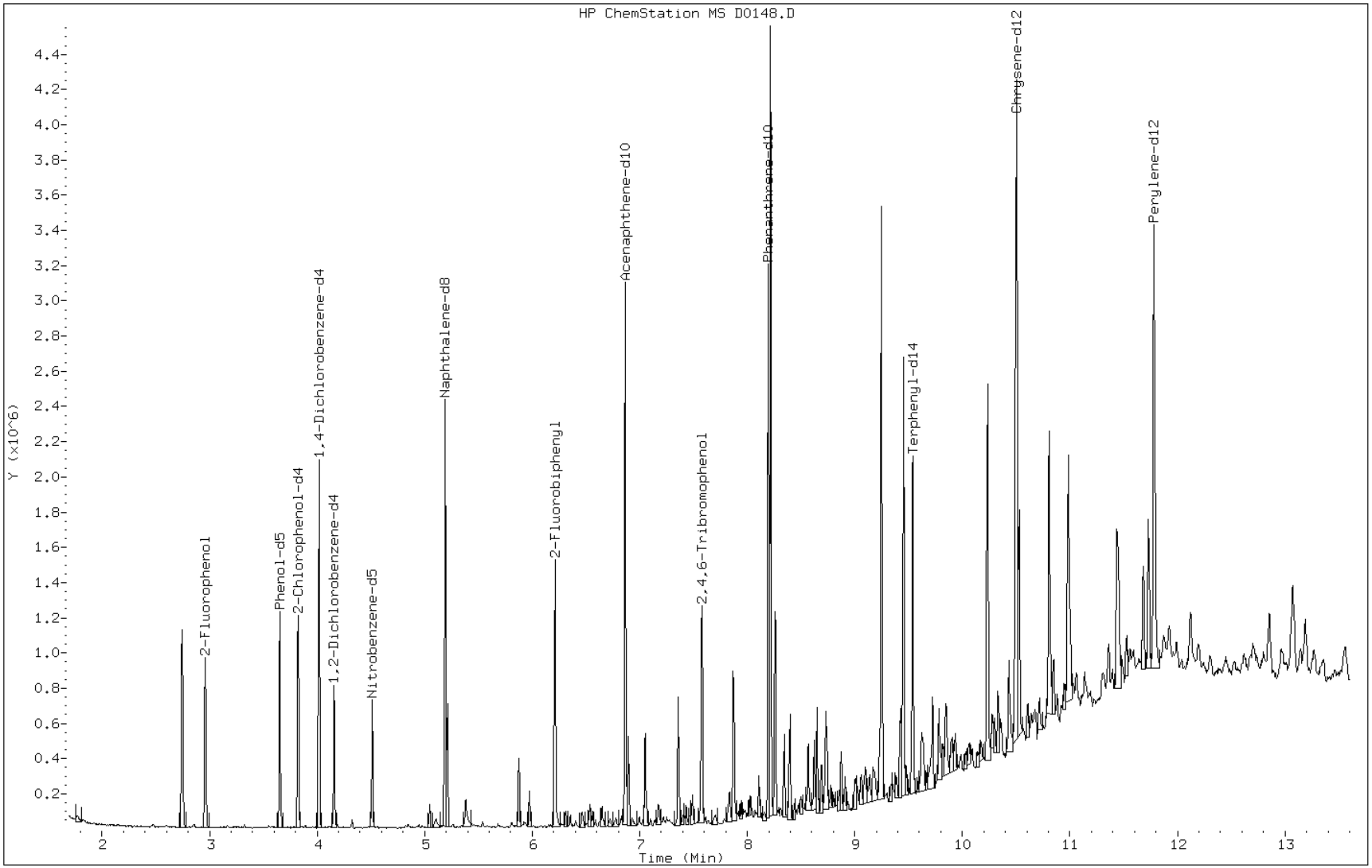
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0148.D

Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm



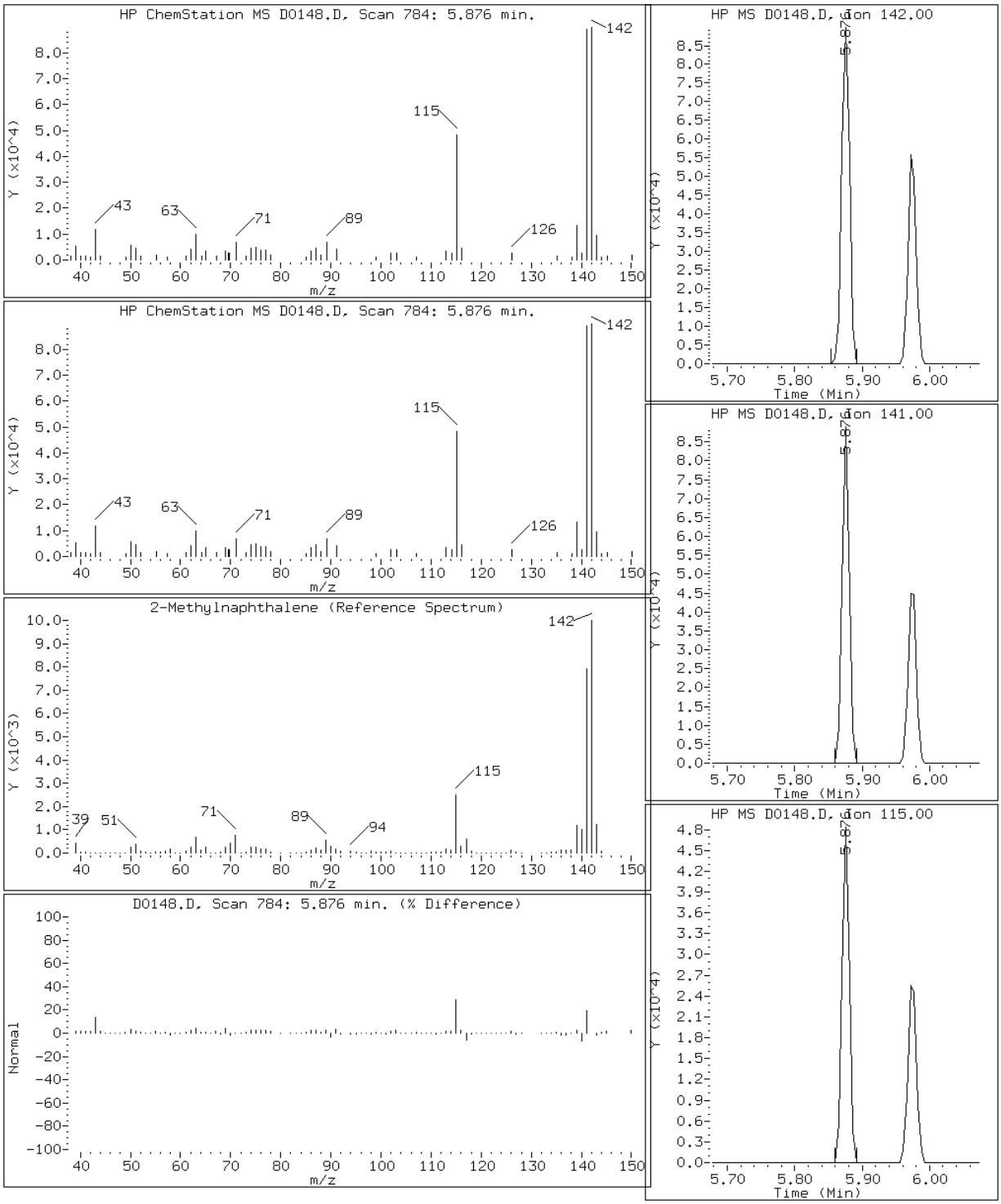
Data File: D0148.D

Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

71 2-Methylnaphthalene



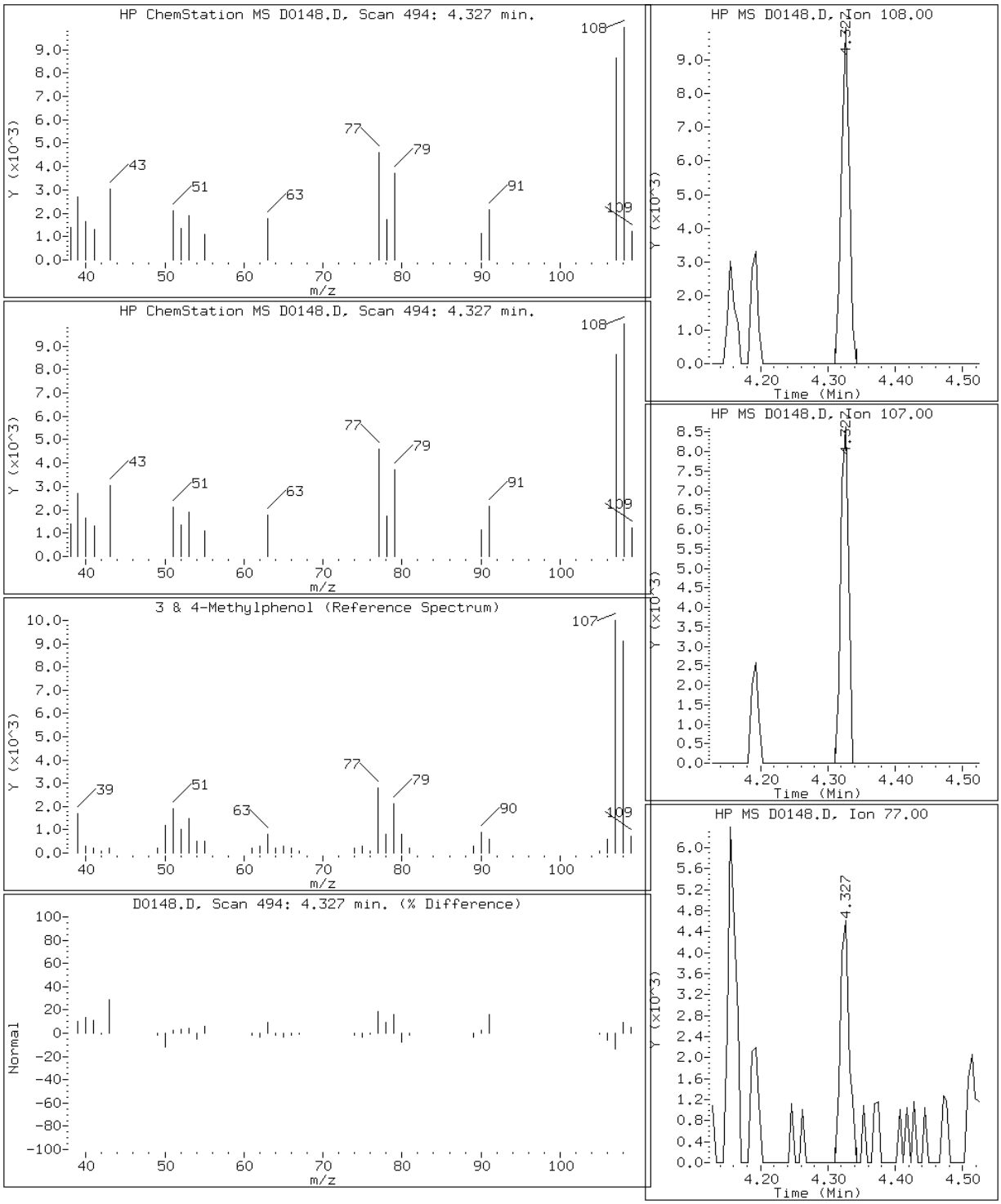
Data File: D0148.D

Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

139 3 & 4-Methylphenol



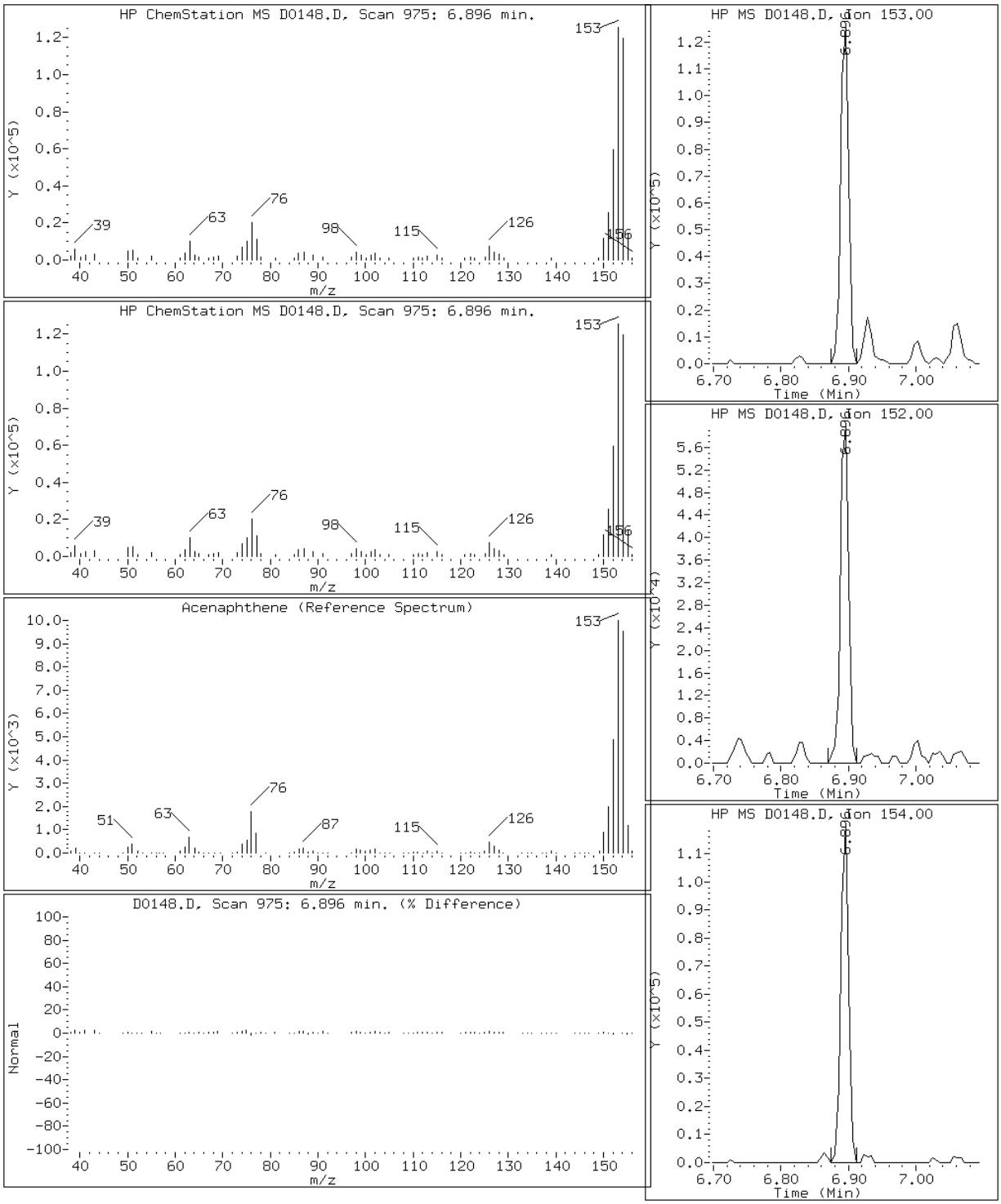
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

97 Acenaphthene



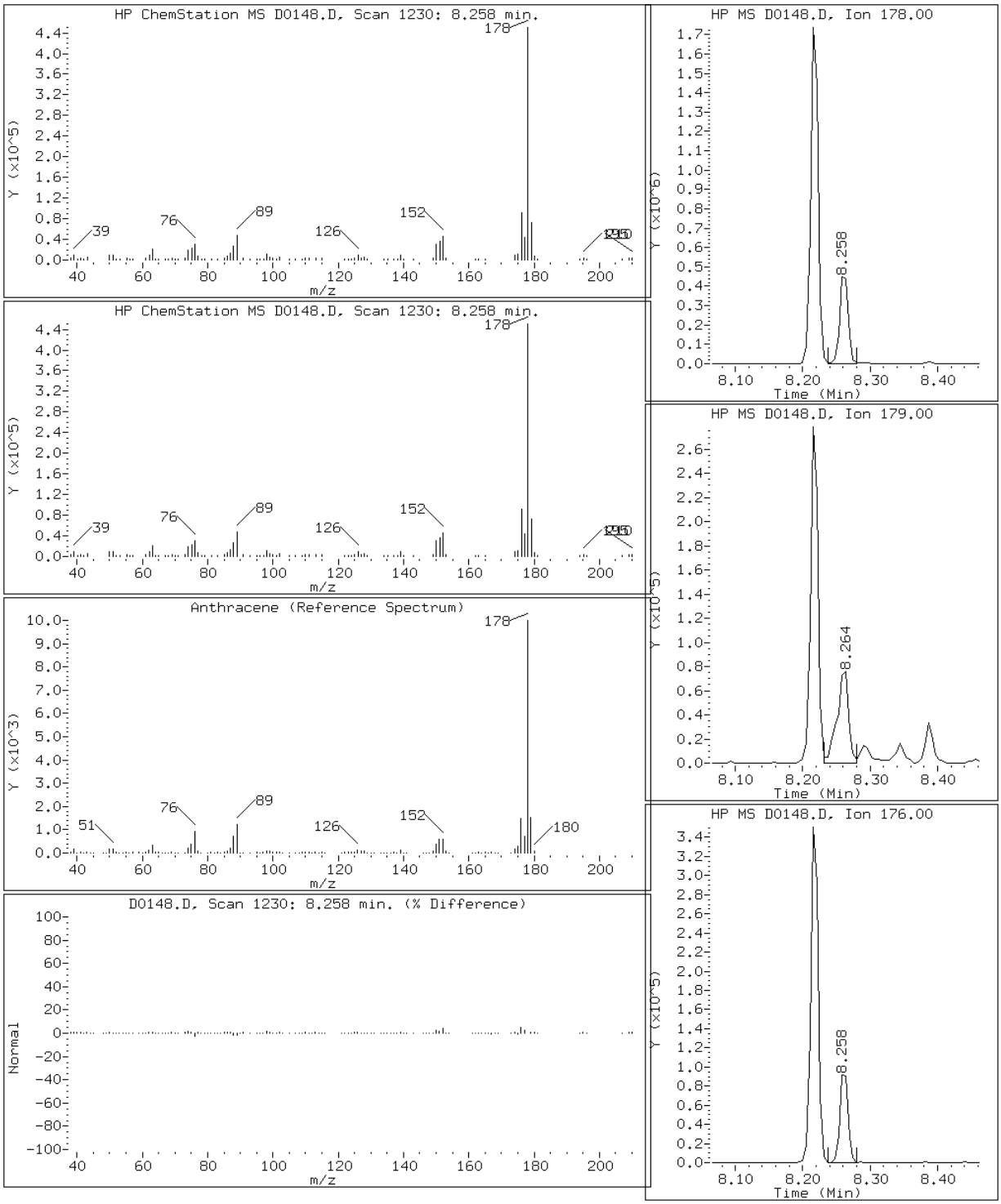
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

137 Anthracene



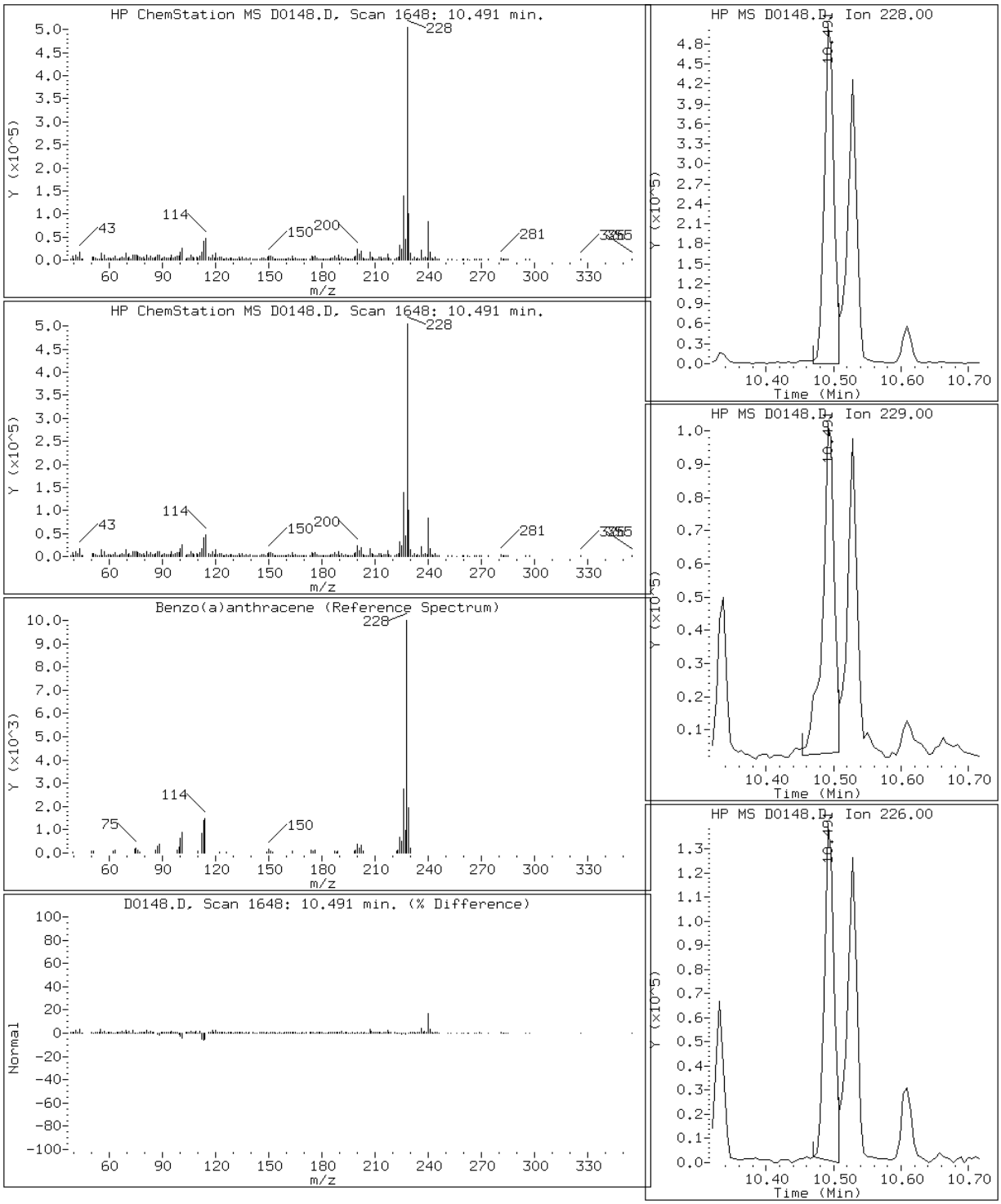
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

165 Benzo(a)anthracene



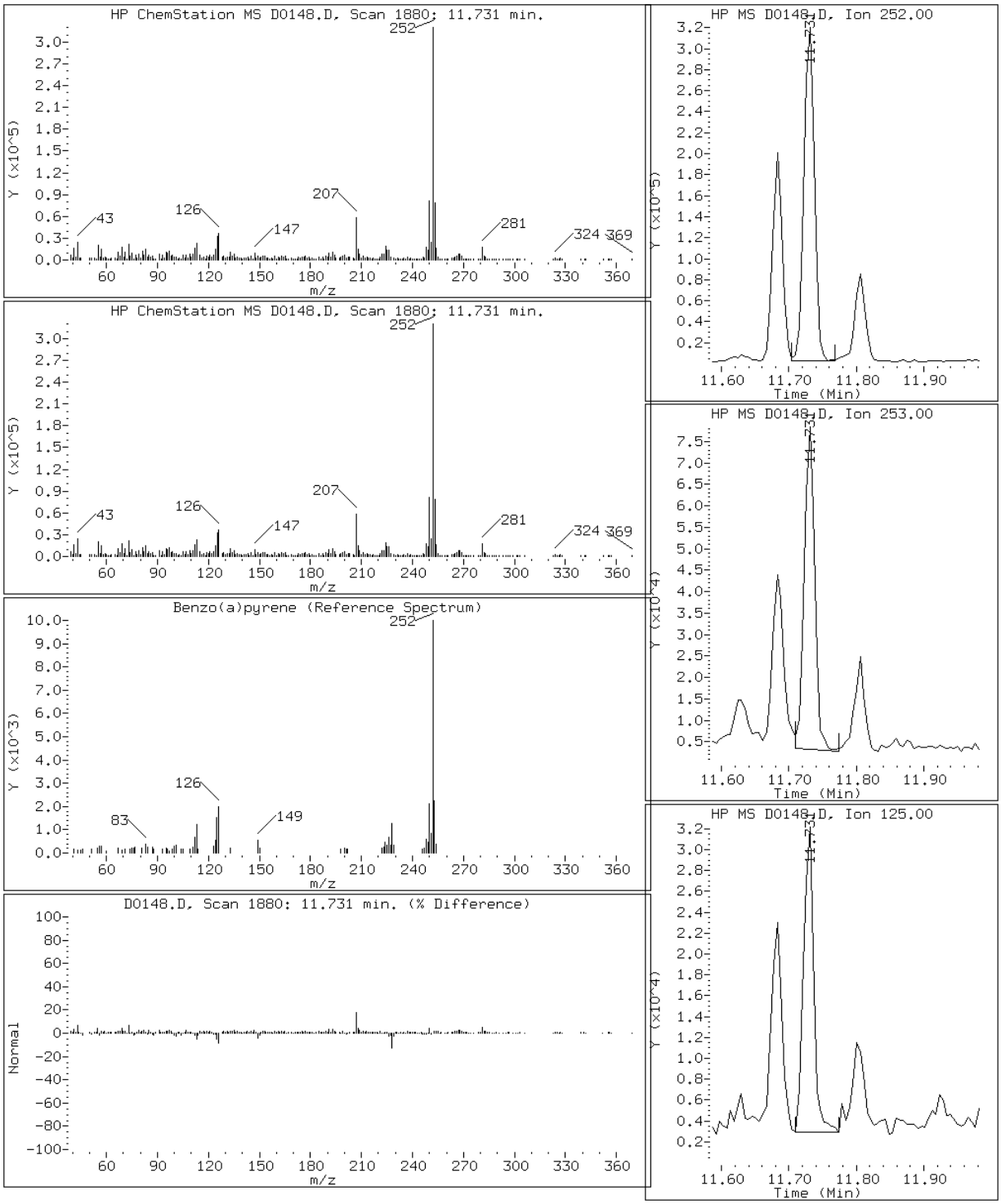
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

178 Benzo(a)pyrene



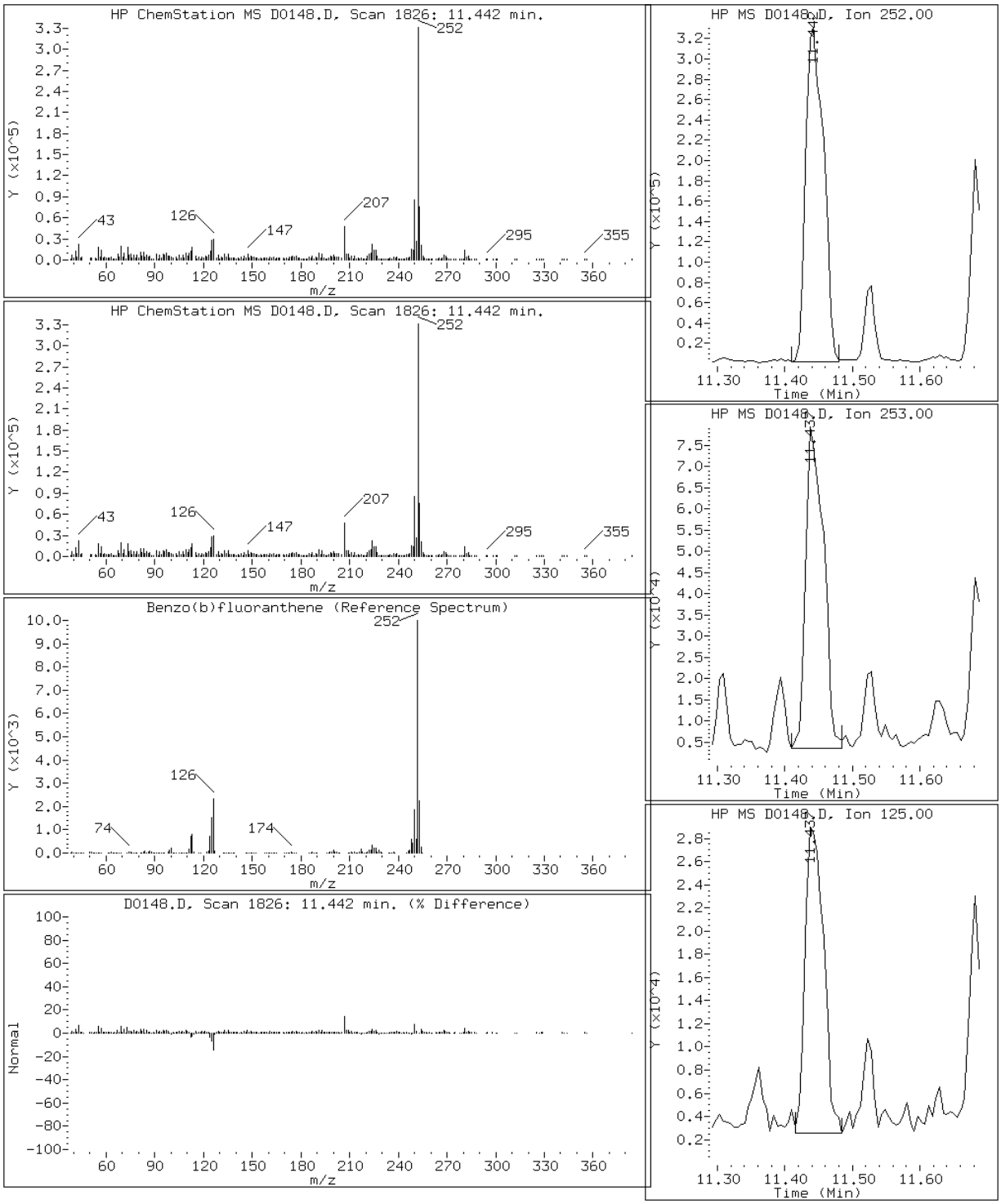
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

171 Benzo(b)fluoranthene



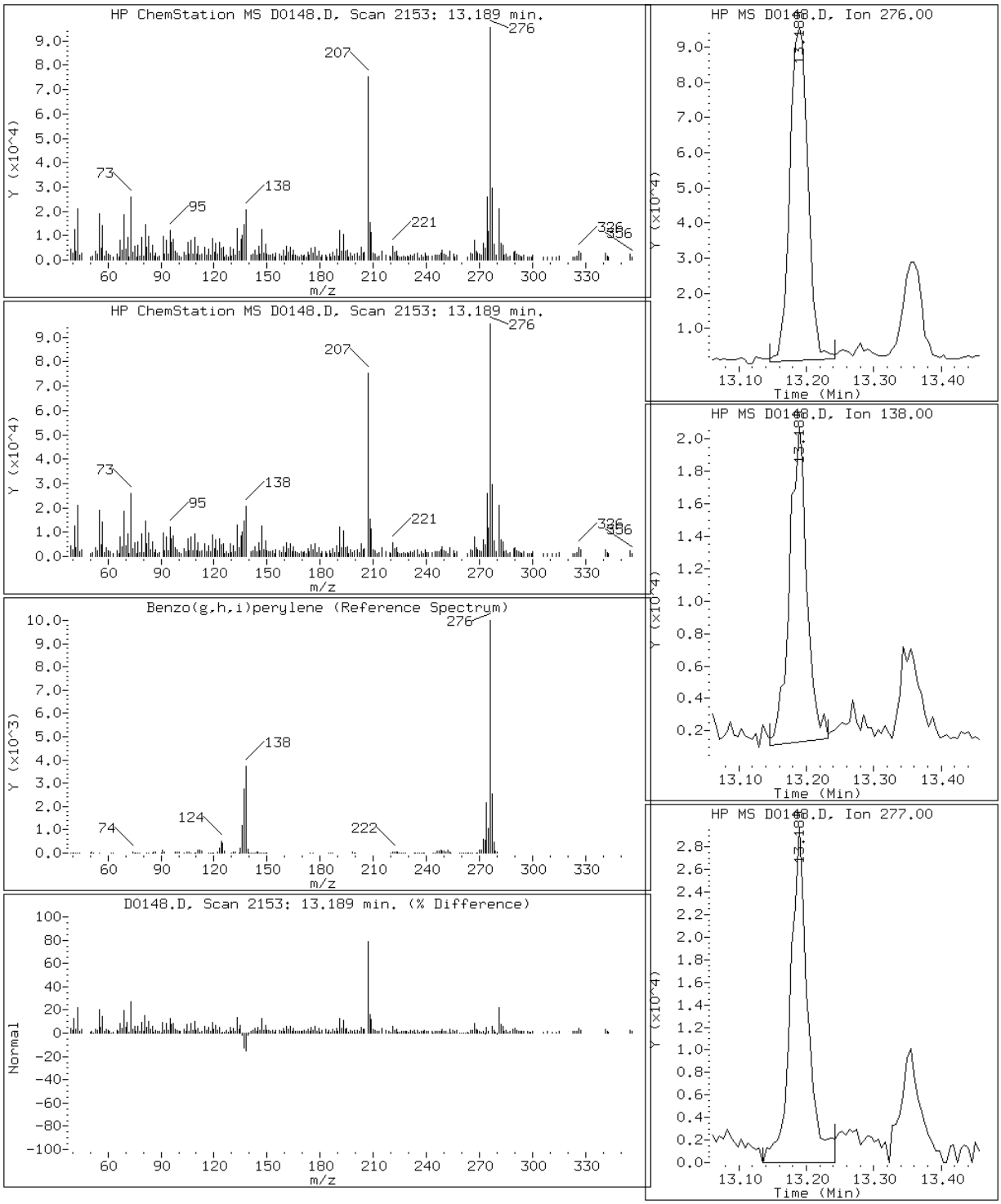
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

188 Benzo(g,h,i)perylene



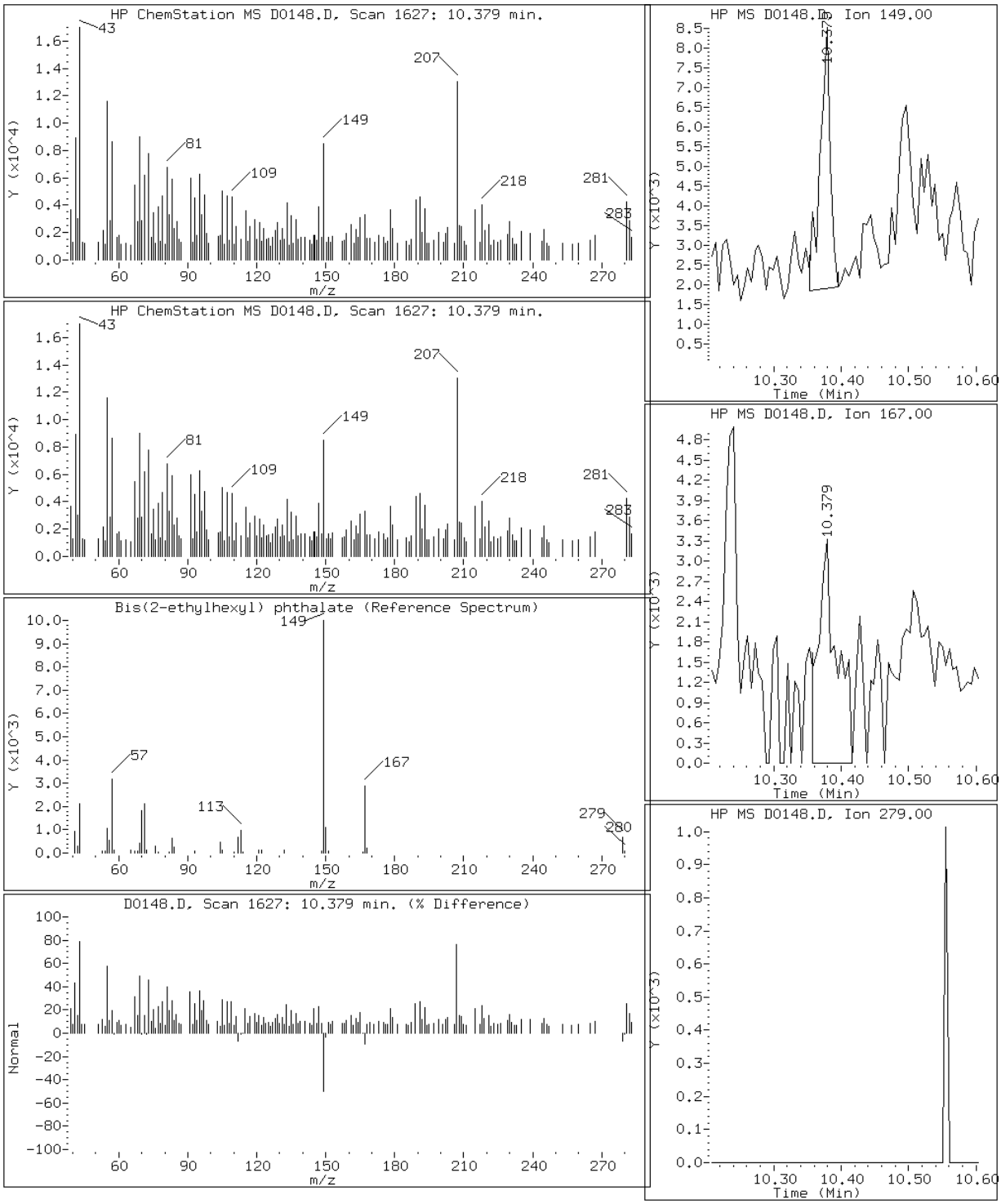
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

162 Bis(2-ethylhexyl) phthalate



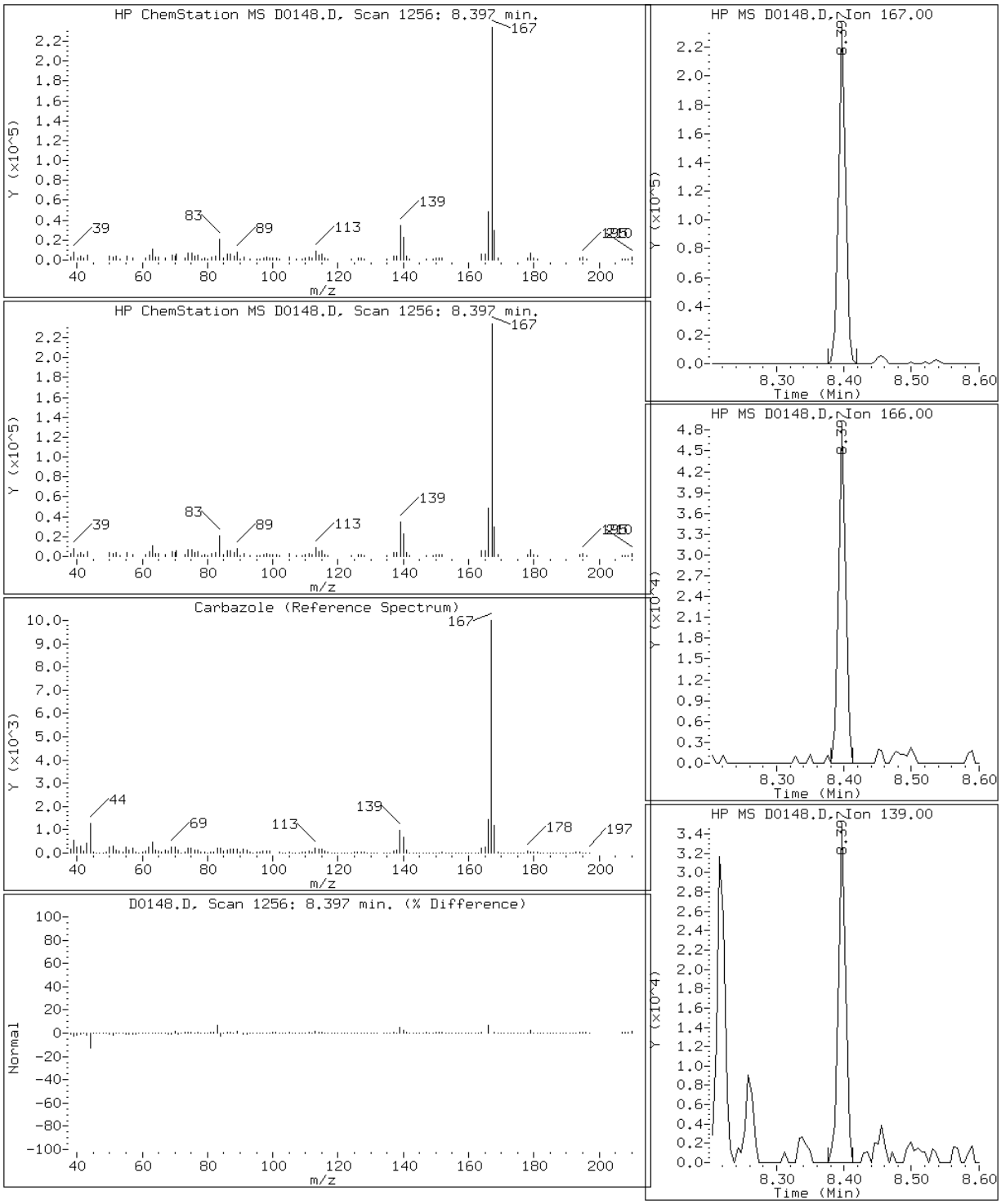
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

140 Carbazole



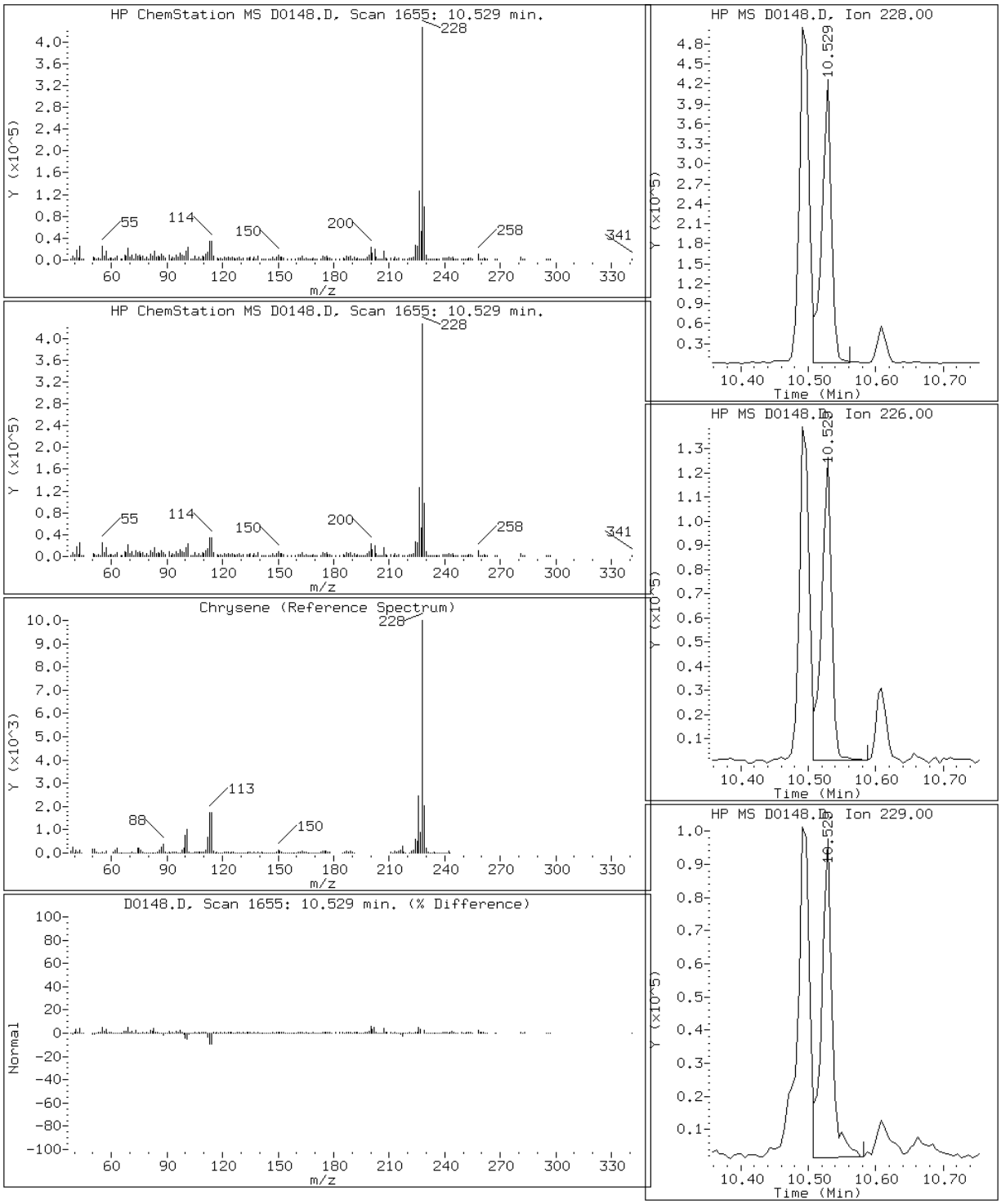
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

167 Chrysene



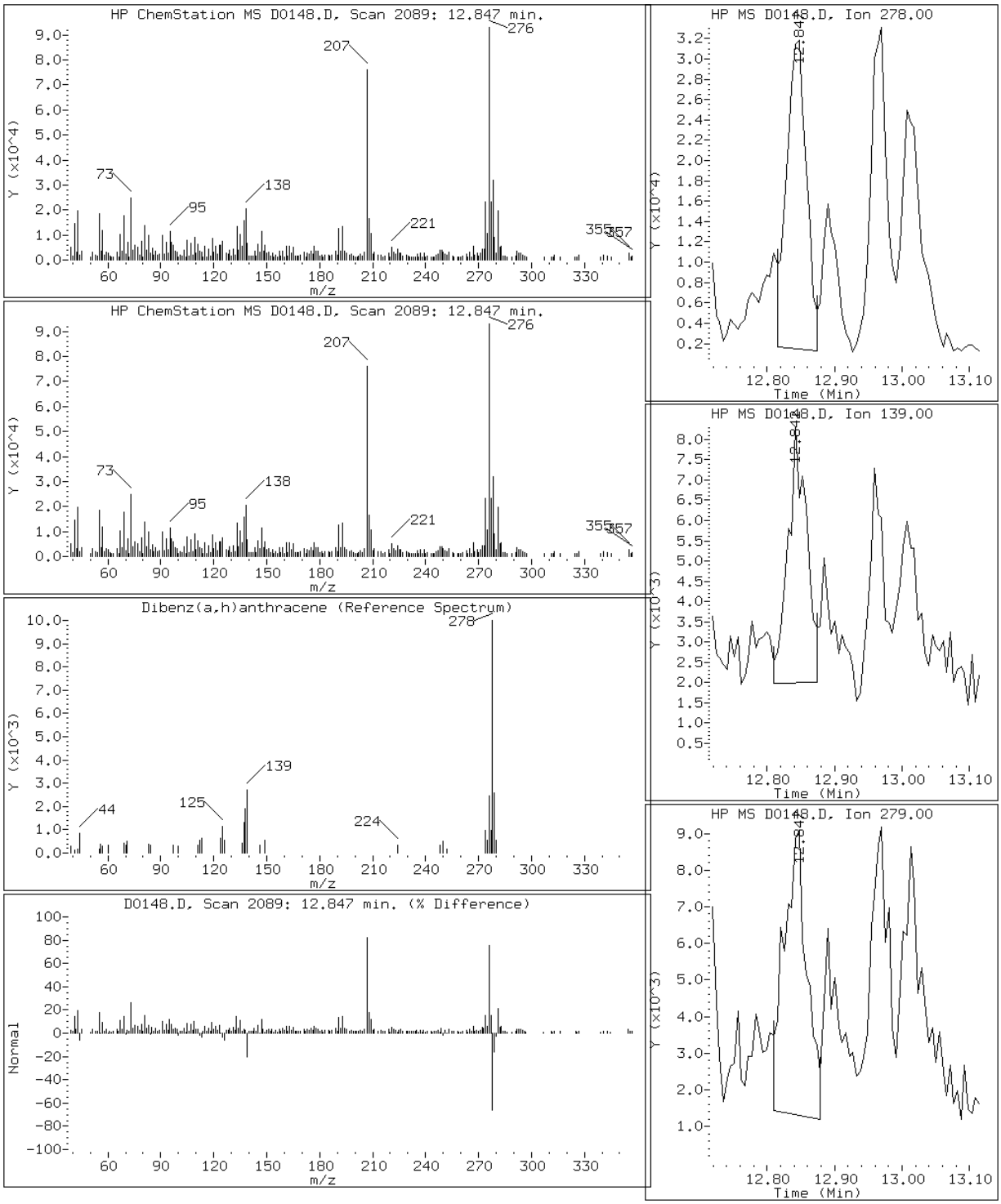
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

185 Dibenz(a,h)anthracene



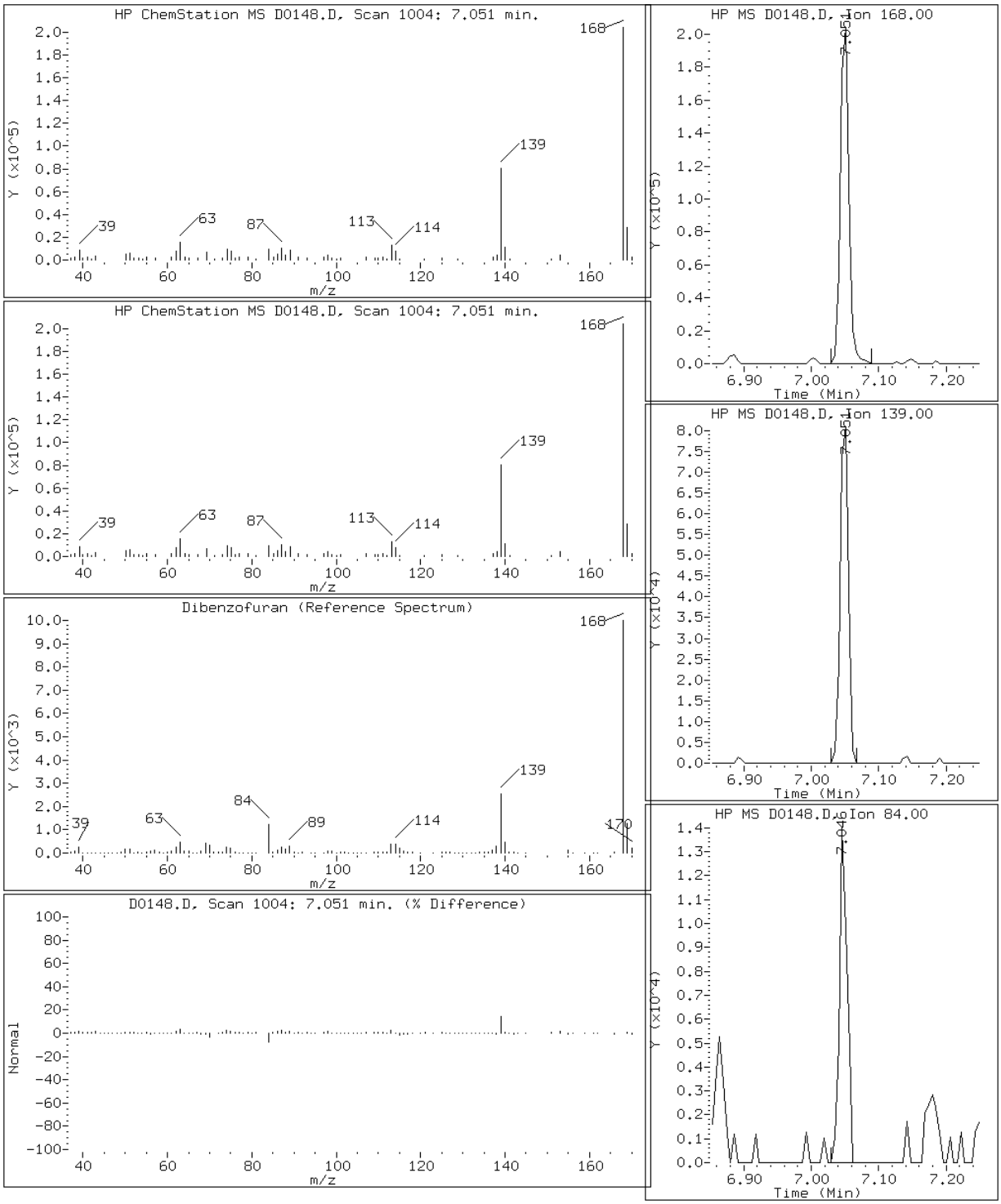
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

102 Dibenzofuran



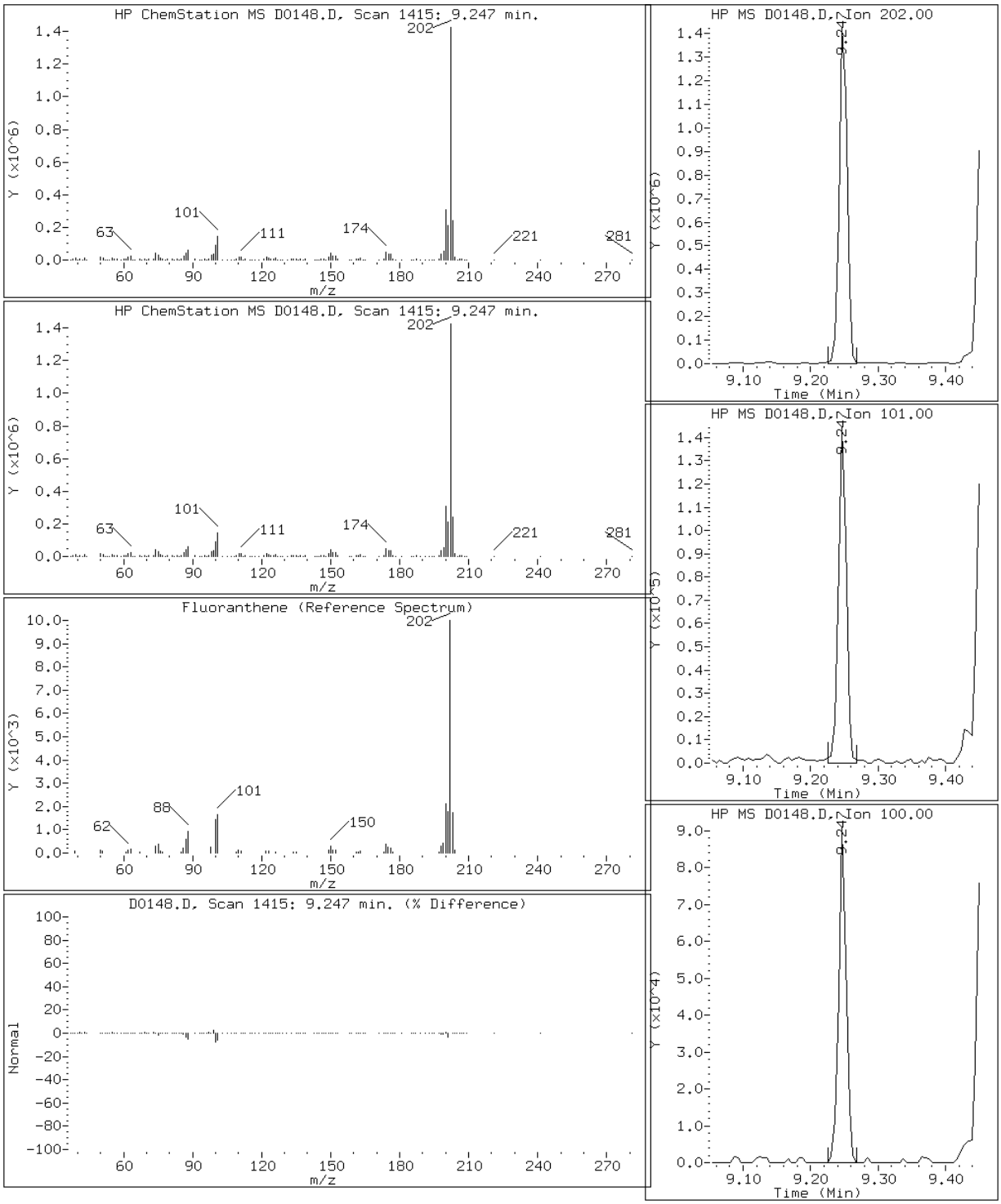
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

149 Fluoranthene



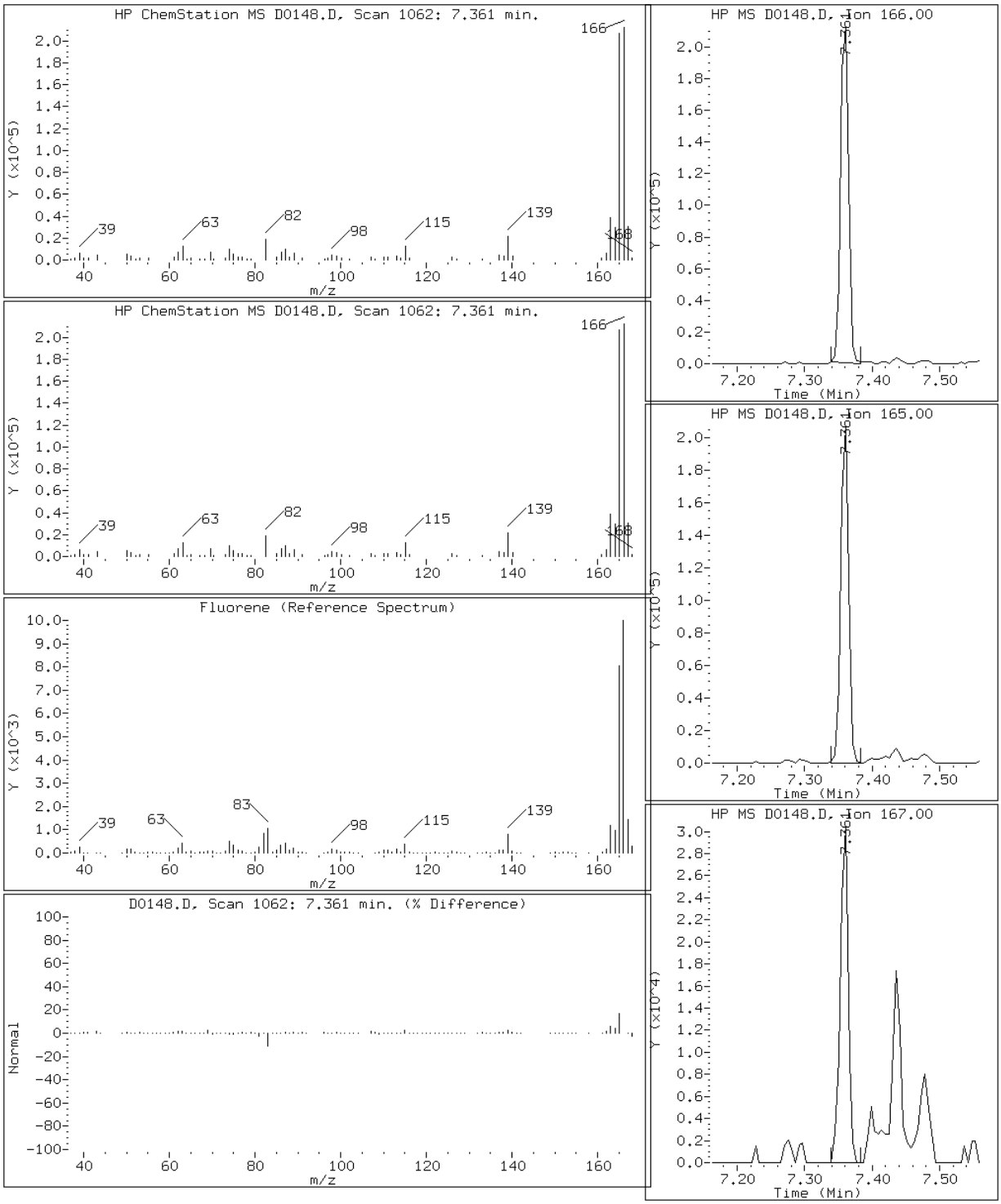
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

110 Fluorene



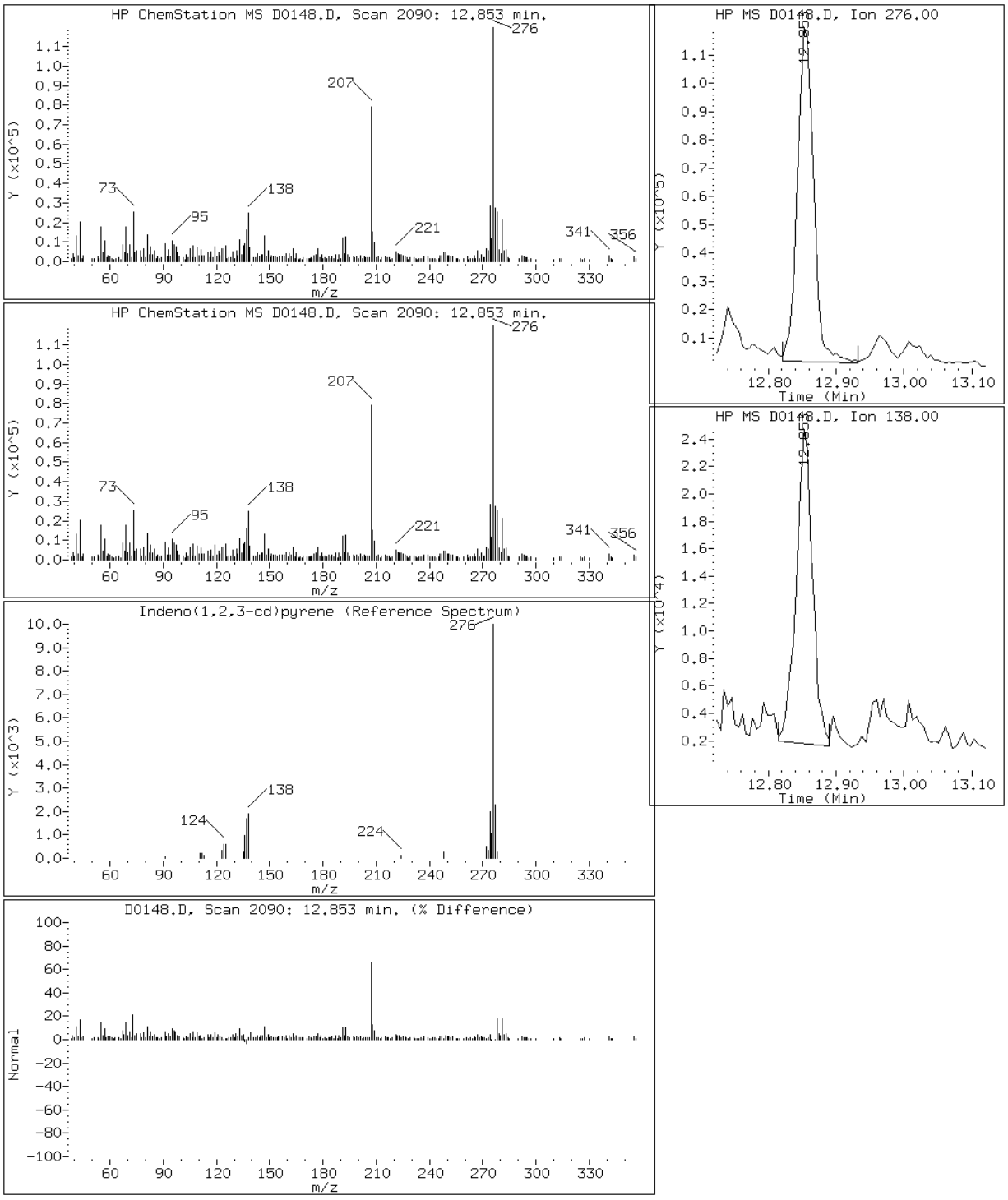
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

186 Indeno(1,2,3-cd)pyrene



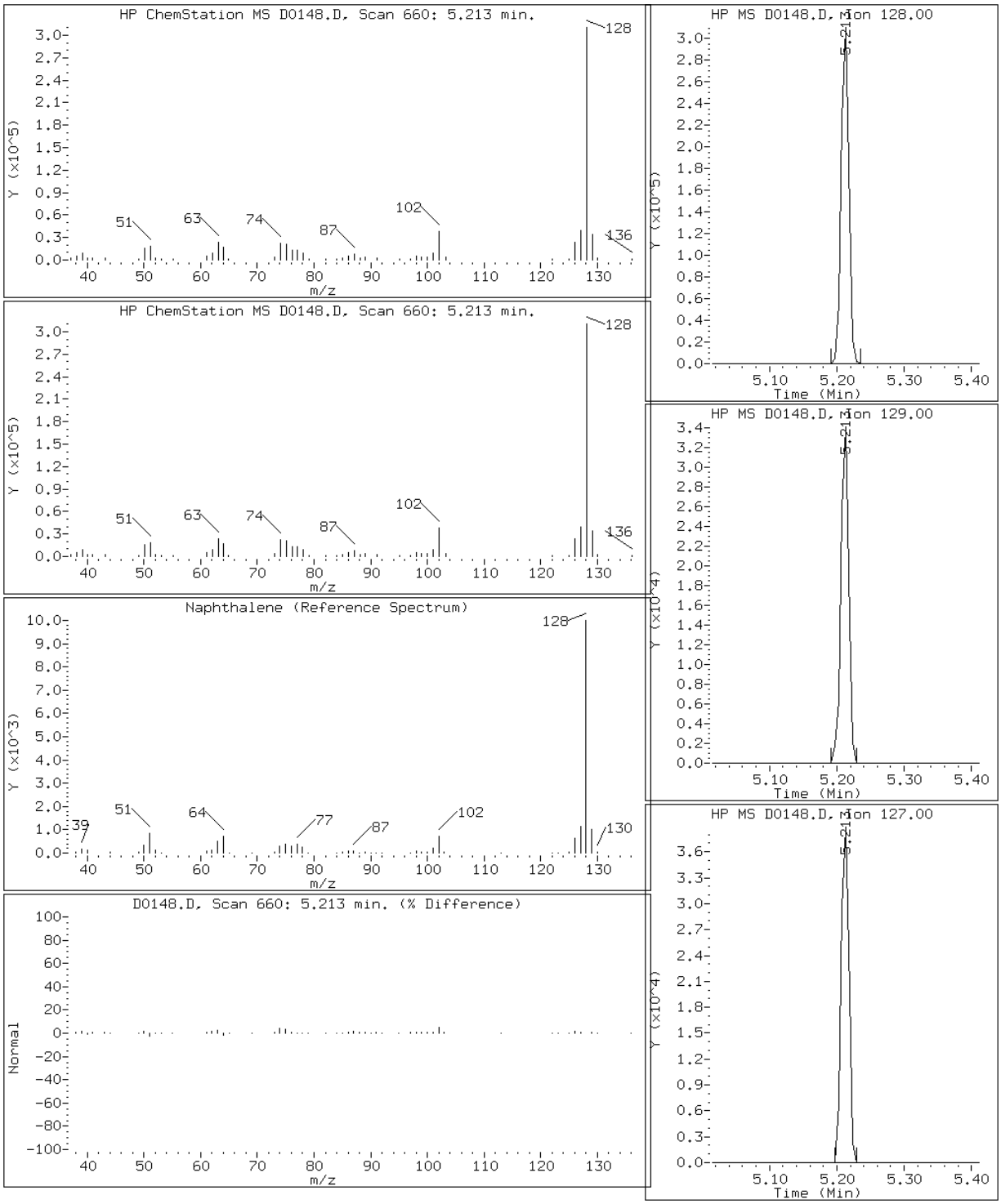
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

59 Naphthalene



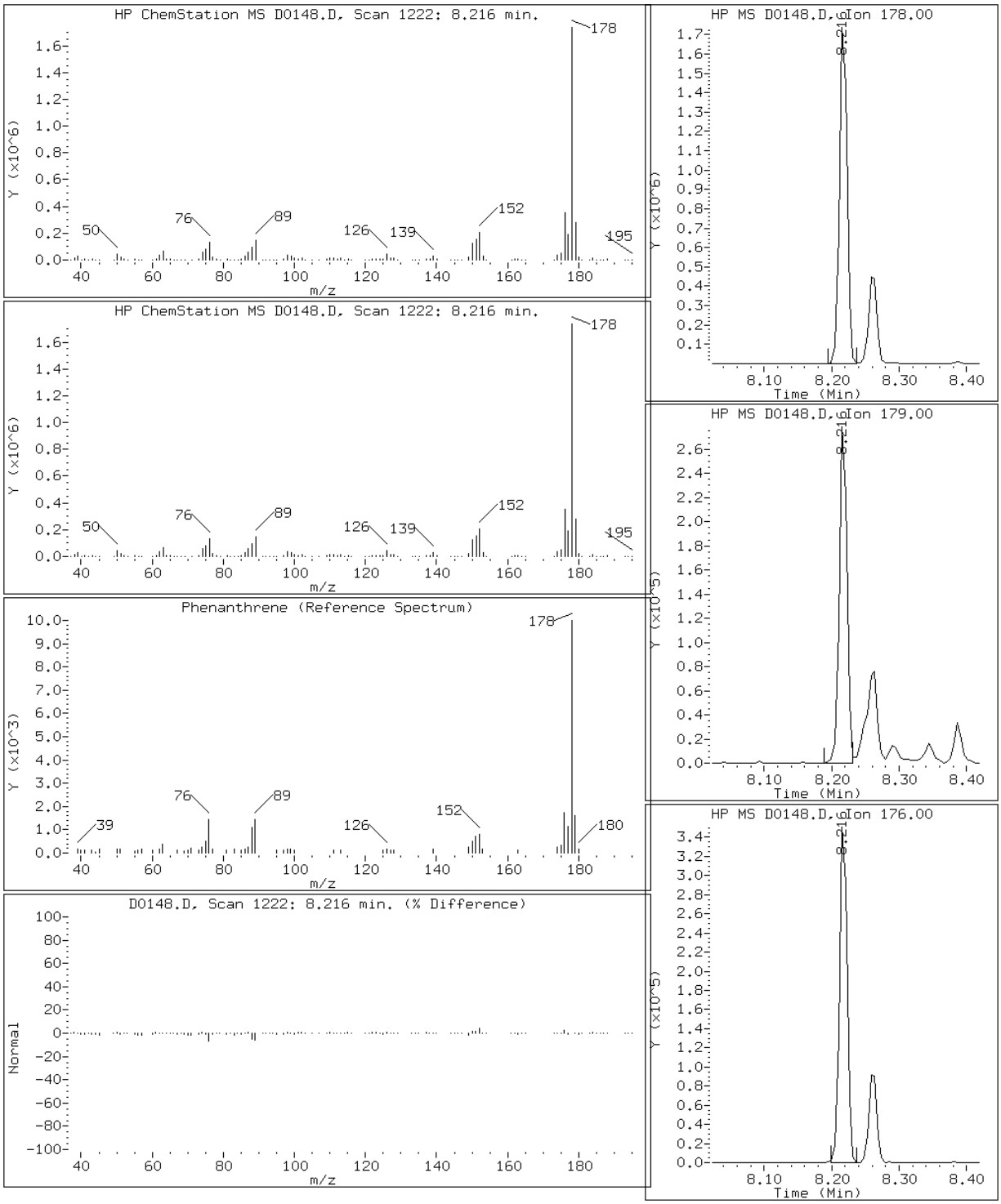
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

136 Phenanthrene



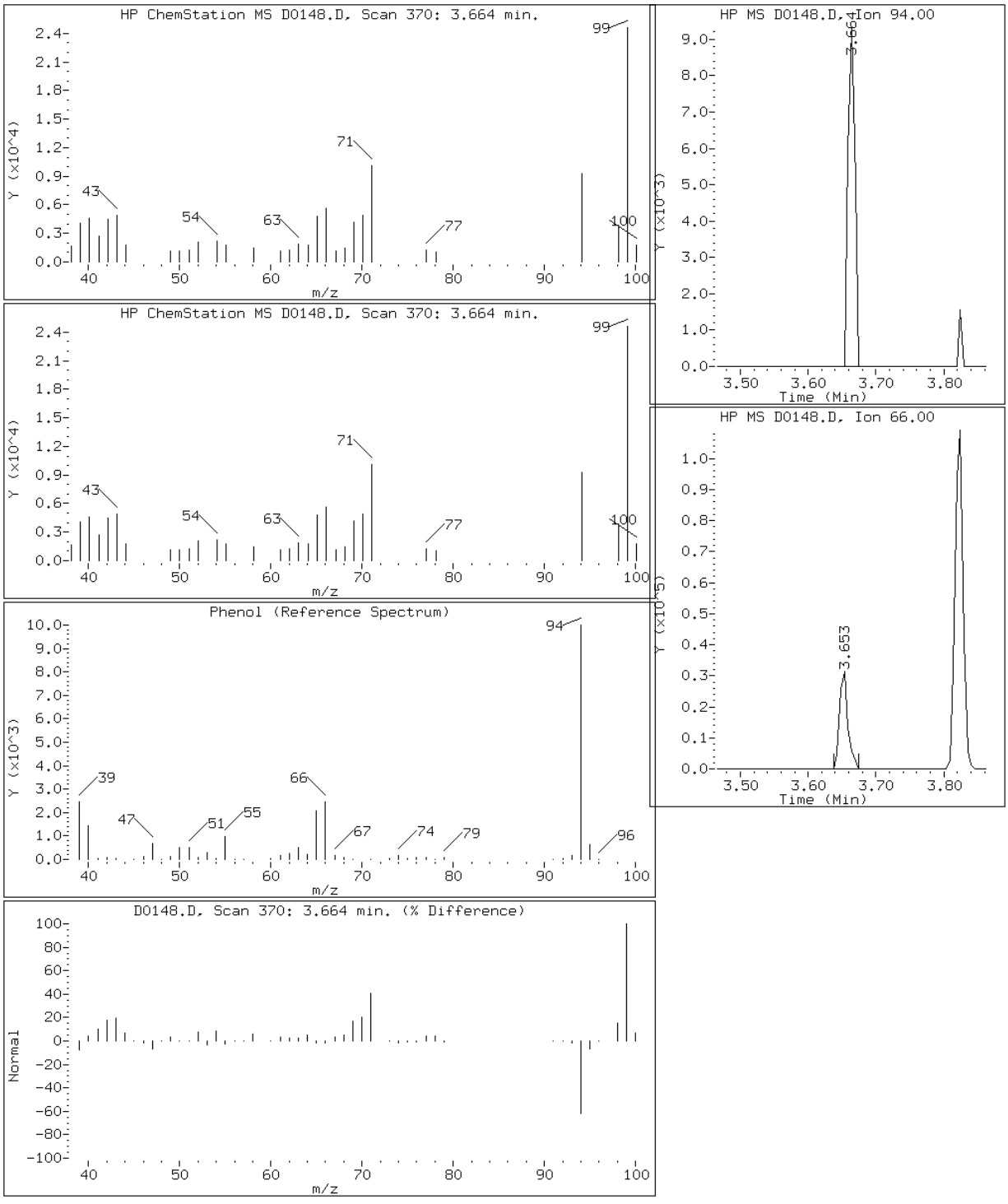
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Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

16 Phenol



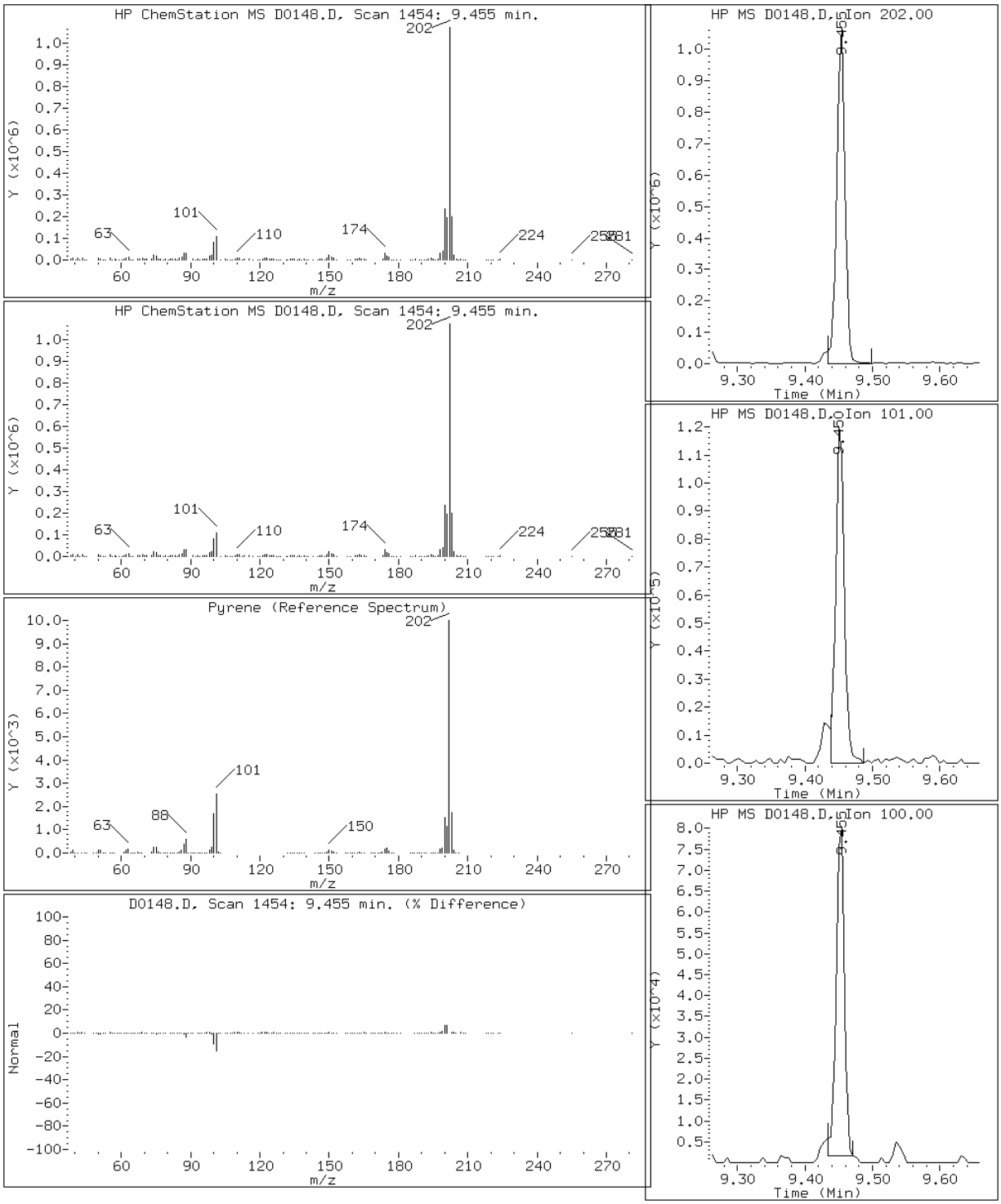
Data File: D0148.D

Date: 19-APR-2012 00:21

Client ID: UNK10601AA Instrument: D.i

Sample Info: 280-27123-a-7-d,4, Operator: hoffmanm

152 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10602AA | Lab Sample ID: 280-27123-8

Matrix: Solid | Lab File ID: D0149.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.8(g) | Date Analyzed: 04/19/2012 00:40

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

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

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	35	U	350	35	53
95-94-3	1,2,4,5-Tetrachlorobenzene	71	U	350	71	52
120-82-1	1,2,4-Trichlorobenzene	35	U	350	35	30
95-50-1	1,2-Dichlorobenzene	35	U	350	35	23
122-66-7	1,2-Diphenylhydrazine	35	U	350	35	23
541-73-1	1,3-Dichlorobenzene	35	U	350	35	13
106-46-7	1,4-Dichlorobenzene	35	U	350	35	14
108-60-1	2,2'-oxybis[1-chloropropane]	35	U	350	35	24
58-90-2	2,3,4,6-Tetrachlorophenol	35	U	1700	35	150
95-95-4	2,4,5-Trichlorophenol	140	U	350	140	11
88-06-2	2,4,6-Trichlorophenol	70	U	350	70	11
120-83-2	2,4-Dichlorophenol	70	U	350	70	11
105-67-9	2,4-Dimethylphenol	140	U	350	140	70
51-28-5	2,4-Dinitrophenol	710	U	1700	710	350
121-14-2	2,4-Dinitrotoluene	140	U	350	140	70
87-65-0	2,6-Dichlorophenol	140	U	350	140	73
606-20-2	2,6-Dinitrotoluene	70	U	350	70	30
91-58-7	2-Chloronaphthalene	35	U	350	35	11
95-57-8	2-Chlorophenol	35	U	350	35	22
91-57-6	2-Methylnaphthalene	35	U	350	35	20
95-48-7	2-Methylphenol	35	U	350	35	14
88-74-4	2-Nitroaniline	70	U	1700	70	53
88-75-5	2-Nitrophenol	70	U	350	70	11
15831-10-4	3 & 4 Methylphenol	70	U	350	70	35
91-94-1	3,3'-Dichlorobenzidine	350	U	1700	350	96
99-09-2	3-Nitroaniline	140	U	1700	140	78
534-52-1	4,6-Dinitro-2-methylphenol	700	U	1700	700	350
101-55-3	4-Bromophenyl phenyl ether	35	U	350	35	20
59-50-7	4-Chloro-3-methylphenol	140	U	350	140	70
106-47-8	4-Chloroaniline	140	U	350	140	87
7005-72-3	4-Chlorophenyl phenyl ether	70	U	350	70	22
100-01-6	4-Nitroaniline	140	U	1700	140	77
100-02-7	4-Nitrophenol	350	U	1700	350	100
83-32-9	Acenaphthene	32	J	350	18	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10602AA | Lab Sample ID: 280-27123-8

Matrix: Solid | Lab File ID: D0149.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.8(g) | Date Analyzed: 04/19/2012 00:40

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

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

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	35	U	350	35	18
98-86-2	Acetophenone	35	U	350	35	21
120-12-7	Anthracene	93	J	350	35	18
1912-24-9	Atrazine	140	U	350	140	39
100-52-7	Benzaldehyde	71	U	350	71	42
92-87-5	Benzidine	4200	U	4300	4200	1100
56-55-3	Benzo[a]anthracene	210	J	350	35	21
50-32-8	Benzo[a]pyrene	200	J	350	35	21
205-99-2	Benzo[b]fluoranthene	340	J K	350	35	28
191-24-2	Benzo[g,h,i]perylene	89	J	350	35	17
207-08-9	Benzo[k]fluoranthene	70	U K	350	70	43
65-85-0	Benzoic acid	700	U	1700	700	350
100-51-6	Benzyl alcohol	24	J	350	35	11
111-91-1	Bis(2-chloroethoxy)methane	70	U	350	70	24
111-44-4	Bis(2-chloroethyl)ether	35	U	350	35	18
117-81-7	Bis(2-ethylhexyl) phthalate	100	J	350	70	49
85-68-7	Butyl benzyl phthalate	70	U	350	70	46
105-60-2	Caprolactam	350	U	1700	350	110
86-74-8	Carbazole	56	J	350	71	38
218-01-9	Chrysene	200	J	350	35	29
53-70-3	Dibenz(a,h)anthracene	140	J	350	35	20
132-64-9	Dibenzofuran	36	J	350	35	21
84-66-2	Diethyl phthalate	35	U	700	35	28
131-11-3	Dimethyl phthalate	35	U	350	35	24
84-74-2	Di-n-butyl phthalate	35	U	350	35	31
117-84-0	Di-n-octyl phthalate	70	U	350	70	15
206-44-0	Fluoranthene	380		350	70	38
86-73-7	Fluorene	38	J	350	35	19
118-74-1	Hexachlorobenzene	70	U	350	70	31
87-68-3	Hexachlorobutadiene	70	U	350	70	11
77-47-4	Hexachlorocyclopentadiene	70	U	1800	70	53
67-72-1	Hexachloroethane	35	U	350	35	23
193-39-5	Indeno[1,2,3-cd]pyrene	120	J	350	35	23
78-59-1	Isophorone	35	U	350	35	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10602AA | Lab Sample ID: 280-27123-8

Matrix: Solid | Lab File ID: D0149.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.8(g) | Date Analyzed: 04/19/2012 00:40

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

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

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	70	U	350	70	33
98-95-3	Nitrobenzene	35	U	350	35	23
62-75-9	N-Nitrosodimethylamine	70	U	550	70	39
621-64-7	N-Nitrosodi-n-propylamine	70	U	350	70	33
86-30-6	N-Nitrosodiphenylamine	35	U	350	35	22
930-55-2	N-Nitrosopyrrolidine	140	U	350	140	68
87-86-5	Pentachlorophenol	710	U	1700	710	350
85-01-8	Phenanthrene	320	J	350	35	18
108-95-2	Phenol	35	U	350	35	19
129-00-0	Pyrene	320	J	430	35	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	103		35-125
321-60-8	2-Fluorobiphenyl	83		45-105
367-12-4	2-Fluorophenol (Surr)	81		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	75		35-100
4165-62-2	Phenol-d5 (Surr)	87		40-100
1718-51-0	Terphenyl-d14 (Surr)	104		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0149.D
Lab Smp Id: 280-27123-A-8-D Client Smp ID: UNK10602AA
Inj Date : 19-APR-2012 00:40
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-8-d
Misc Info : 280-27123-A-8-D
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 35
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	32.800	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	26 1,4-Dichlorobenzene-d4	152	4.015	4.020	(1.000)	233406	40.0000	
*	58 Naphthalene-d8	136	5.190	5.190	(1.000)	857870	40.0000	
*	96 Acenaphthene-d10	164	6.862	6.867	(1.000)	538370	40.0000	
*	135 Phenanthrene-d10	188	8.197	8.198	(1.000)	980221	40.0000	
*	166 Chrysene-d12	240	10.500	10.521	(1.000)	1125678	40.0000	
*	179 Perylene-d12	264	11.771	11.819	(1.000)	1063892	40.0000	
$	8 2-Fluorophenol	112	2.962	2.953	(0.738)	929110	121.318	3698.71
$	15 Phenol-d5	99	3.657	3.653	(0.911)	1282867	129.784	3956.83
$	43 Nitrobenzene-d5	82	4.511	4.513	(0.869)	764929	74.7689	2279.54
$	81 2-Fluorobiphenyl	172	6.210	6.212	(0.905)	1622671	82.7134	2521.75
$	118 2,4,6-Tribromophenol	330	7.578	7.585	(1.104)	491668	154.210	4701.52
$	154 Terphenyl-d14	244	9.538	9.546	(0.908)	2358240	103.578	3157.88
$	29 1,2-Dichlorobenzene-d4	152	4.159	4.161	(1.036)	402153	65.2311	1988.75
$	22 2-Chlorophenol-d4	132	3.822	3.824	(0.952)	1017086	124.176	3785.84
	4 1,4-Dioxane	88	Compound Not Detected.					
	5 N-Nitrosodimethylamine	74	Compound Not Detected.					
	6 Pyridine	79	Compound Not Detected.					
	9 2-Picoline	93	Compound Not Detected.					
	10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
	11 Methyl methanesulfonate	80	Compound Not Detected.					
	12 N-Nitrosodiethylamine	102	Compound Not Detected.					
	13 Ethyl methanesulfonate	79	Compound Not Detected.					

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	4.116	4.113	(1.025)	3501	0.68448	20.8682(a)
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	6.894	6.896	(1.005)	14623	0.90478	27.5847(a)
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	7.049	7.051	(1.027)	23394	1.01357	30.9014(a)
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	7.359	7.361	(1.072)	21040	1.07685	32.8307(a)
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	8.219	8.221	(1.003)	252535	8.99083	274.110(a)
137 Anthracene	178	8.262	8.263	(1.008)	73700	2.63417	80.3099(a)
140 Carbazole	167	8.395	8.402	(1.024)	40511	1.57907	48.1424(a)
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	9.245	9.252	(1.128)	345299	10.7692	328.330
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.453	9.460	(0.900)	289504	9.11818	277.993(a)
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	10.372	10.406	(0.988)	9977	2.85527	87.0508(aQH)
165	Benzo(a)anthracene	228	10.489	10.518	(0.999)	192627	6.02207	183.600(aH)
167	Chrysene	228	10.521	10.555	(1.002)	168768	5.73596	174.877(a)
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	11.429	11.490	(0.971)	262198	9.68361	295.232(aH)
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.723	11.784	(0.996)	143248	5.71348	174.191(aH)
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	12.845	12.922	(1.223)	76880	3.52146	107.362(aH)
185	Dibenz(a,h)anthracene	278	12.834	12.916	(1.090)	29304	3.93683	120.025(aH)
188	Benzo(g,h,i)perylene	276	13.176	13.258	(1.119)	74804	2.49755	76.1447(a)
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

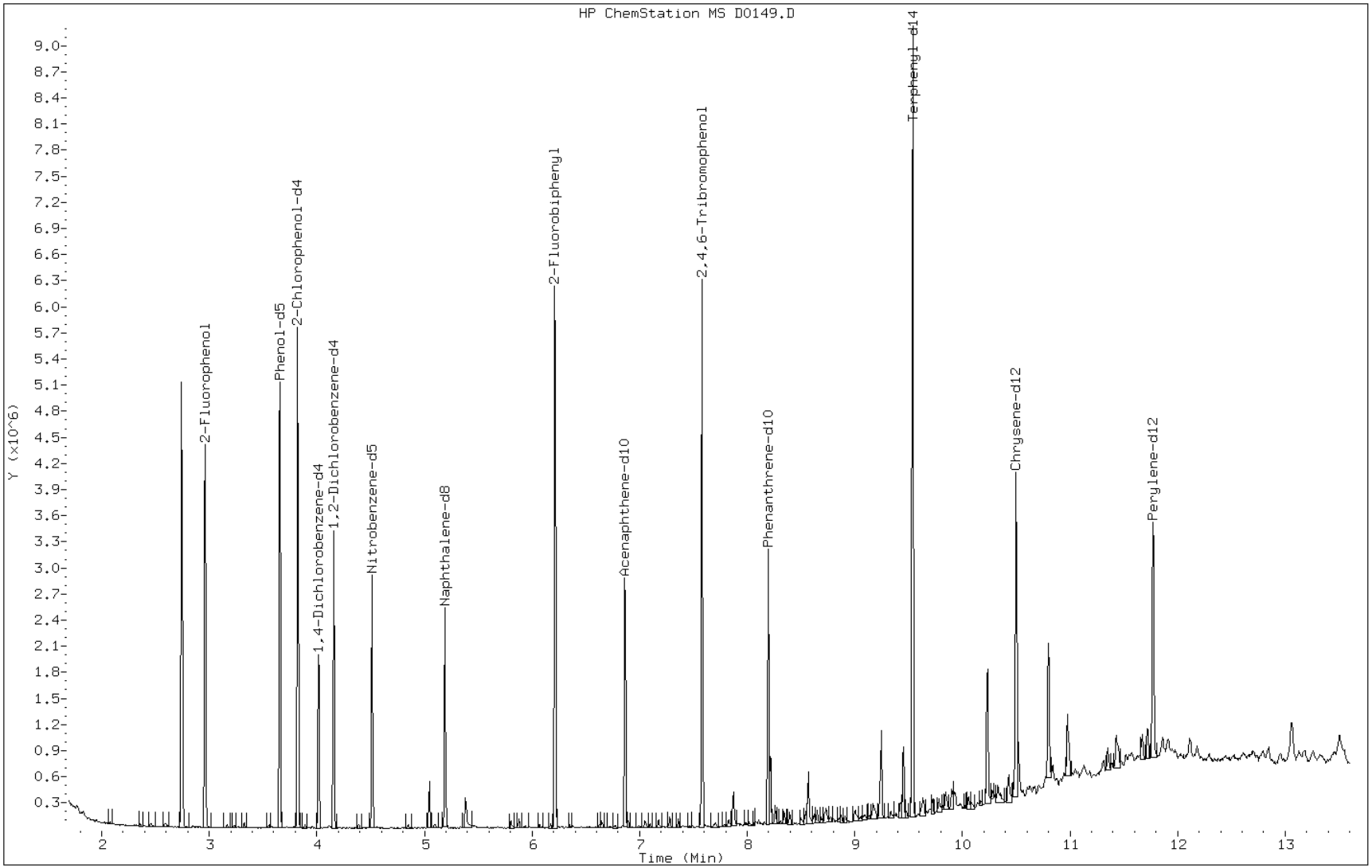
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm



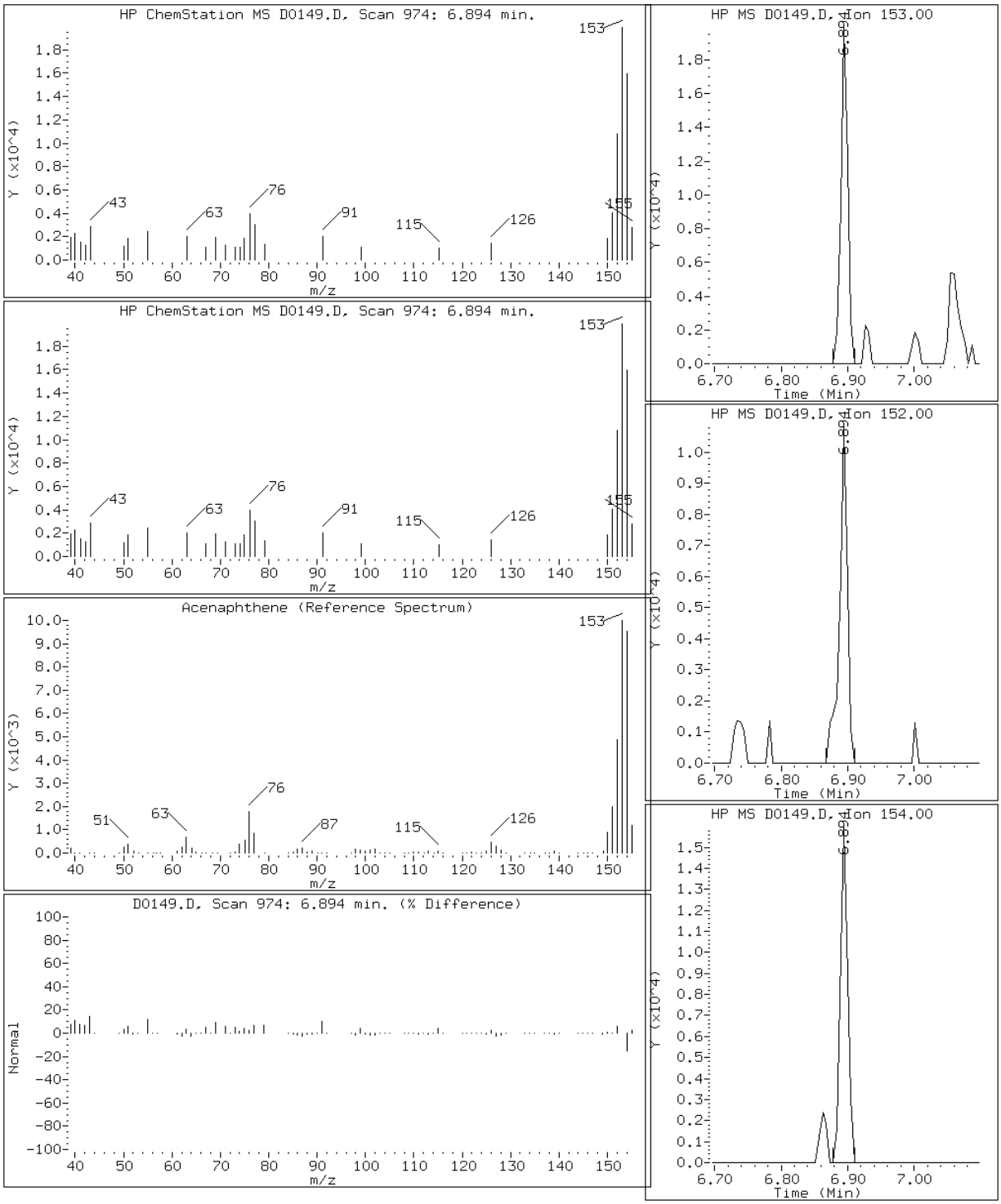
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

97 Acenaphthene



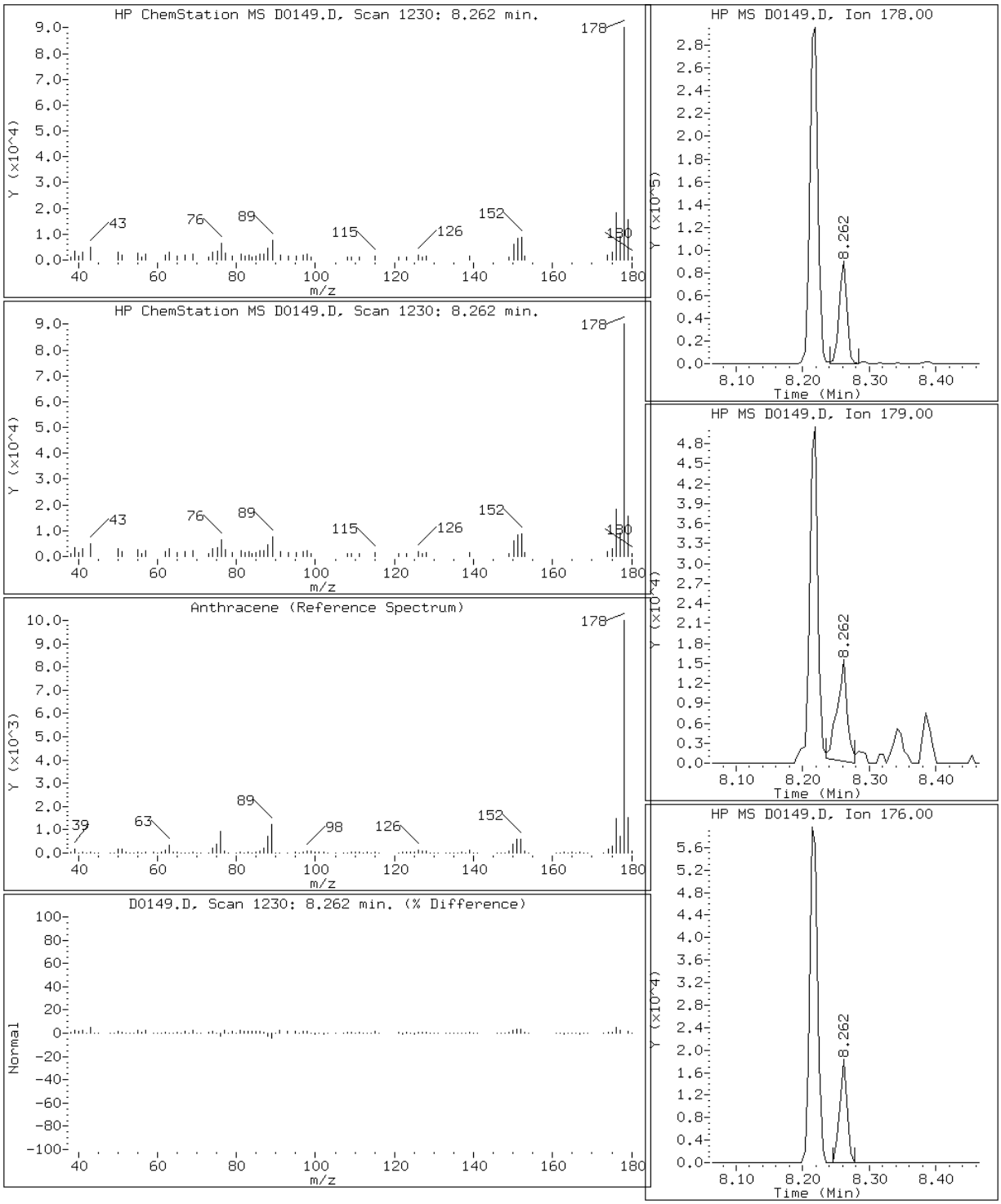
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

137 Anthracene



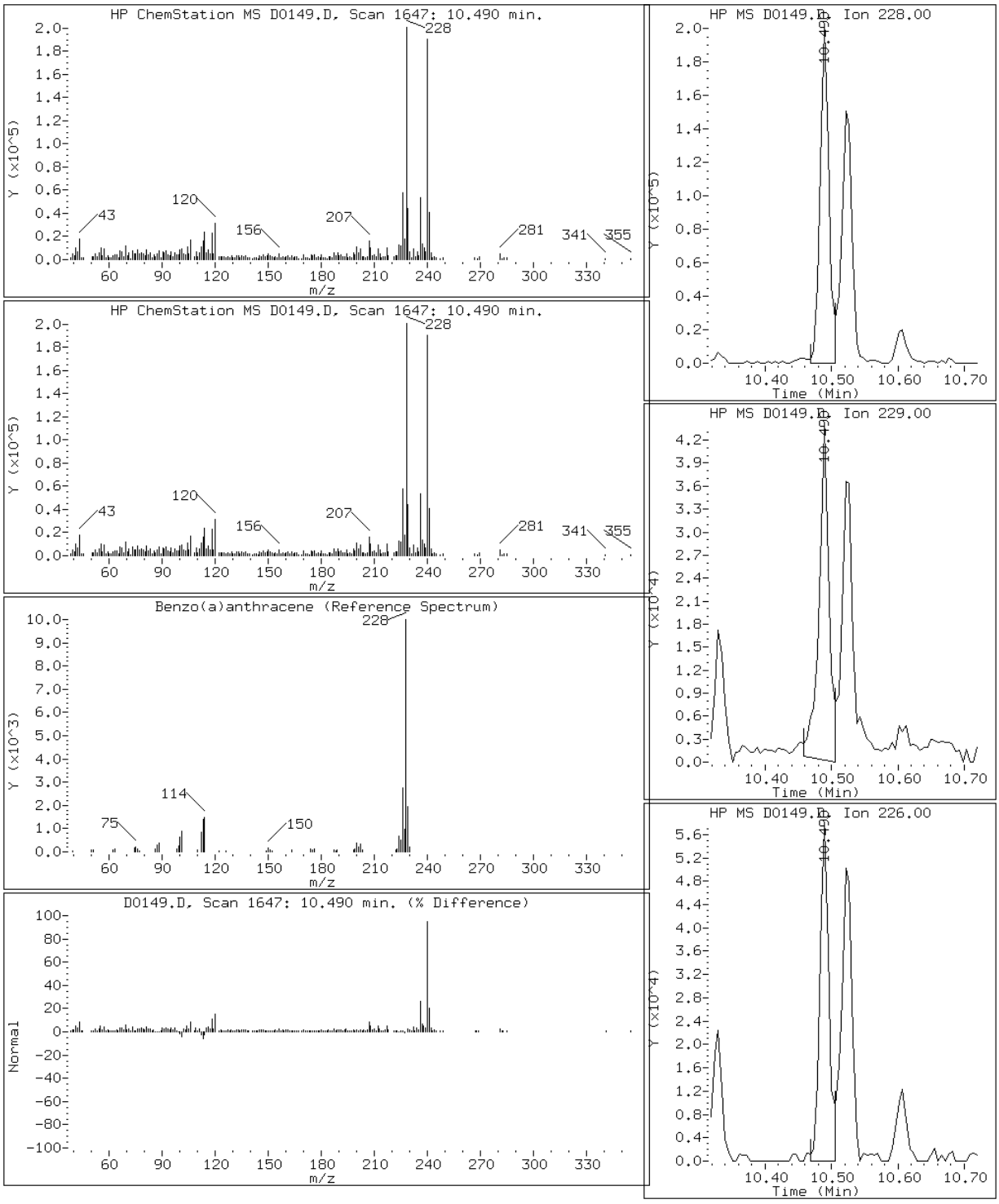
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

165 Benzo(a)anthracene



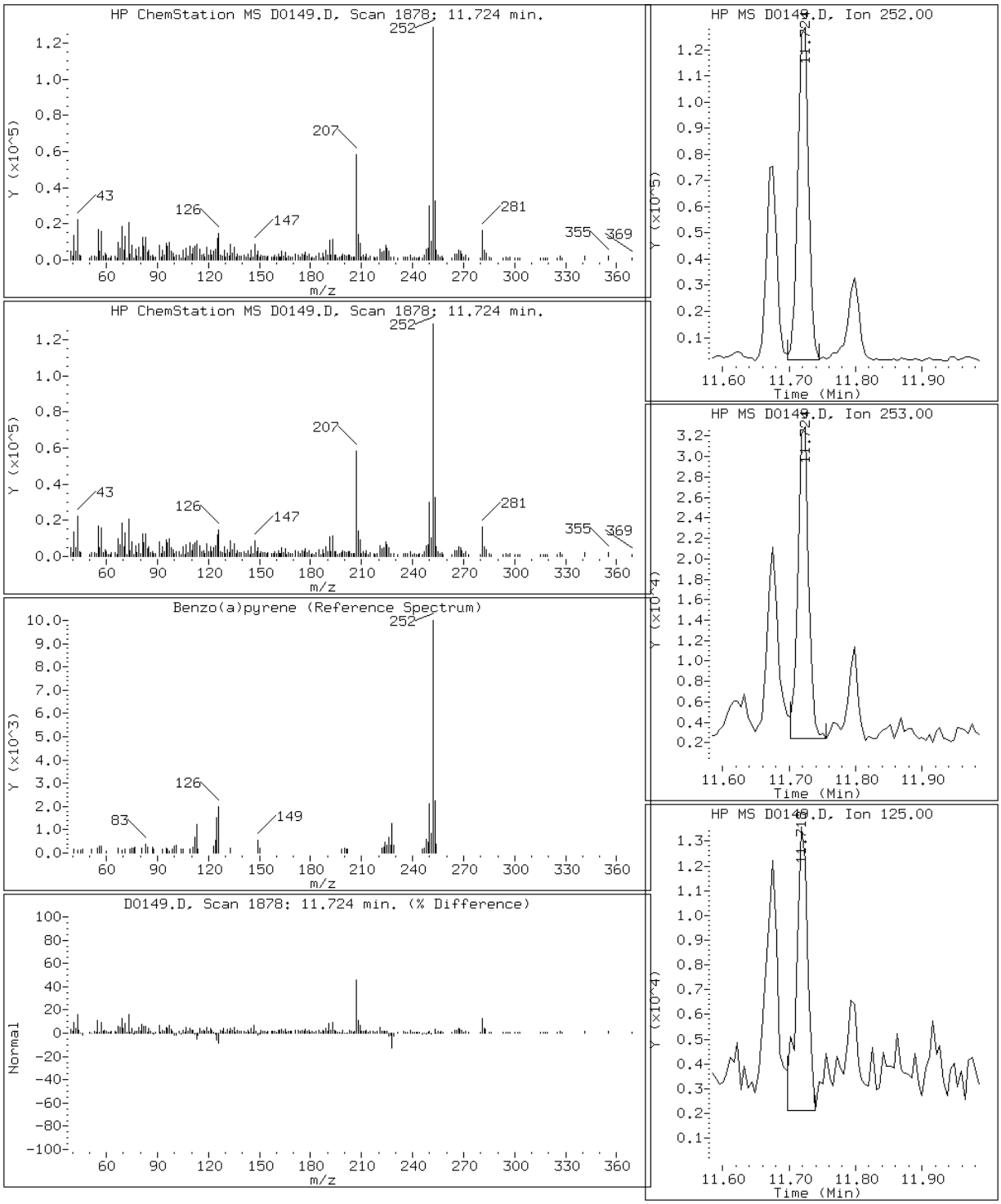
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

178 Benzo(a)pyrene



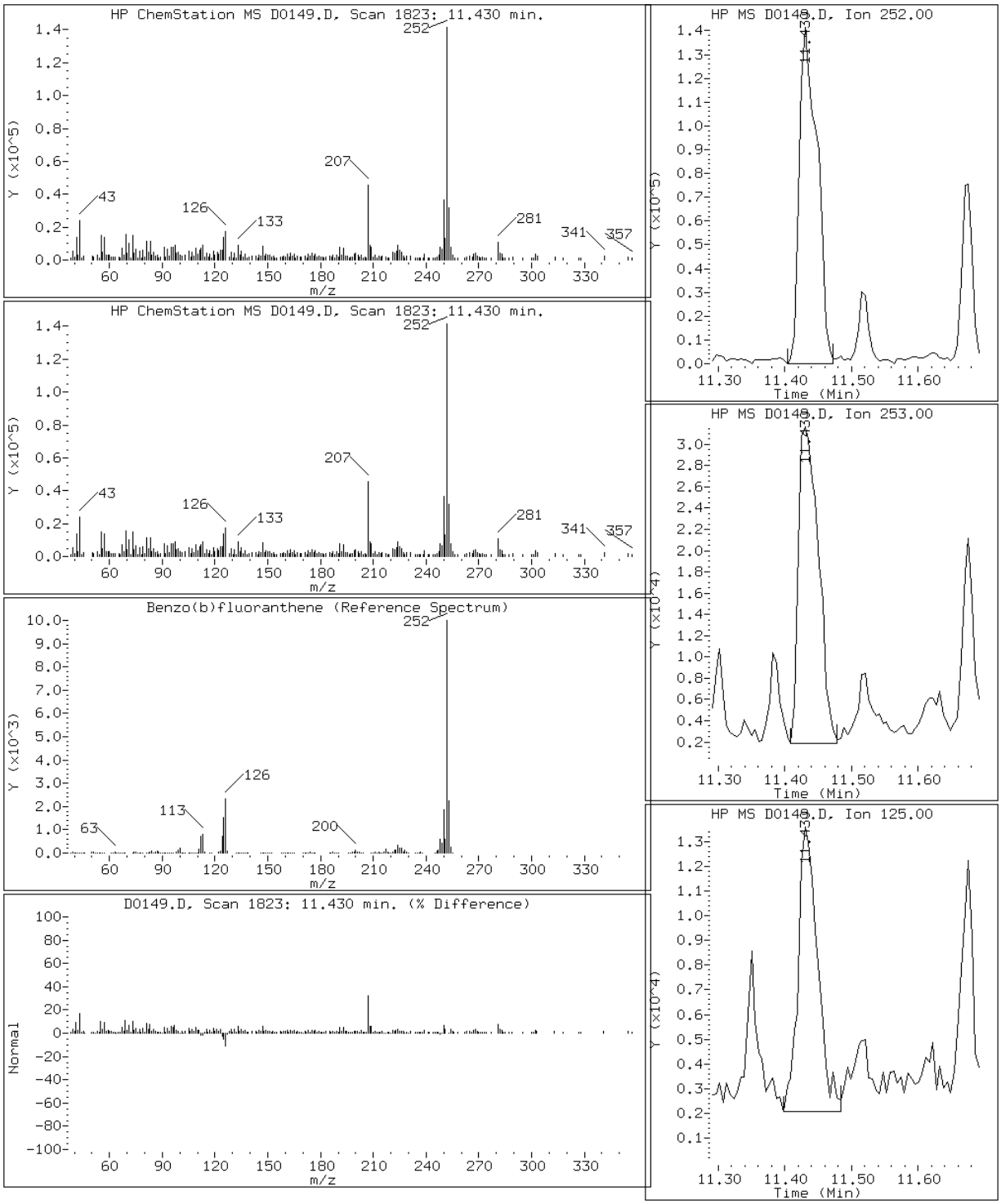
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

171 Benzo(b)fluoranthene



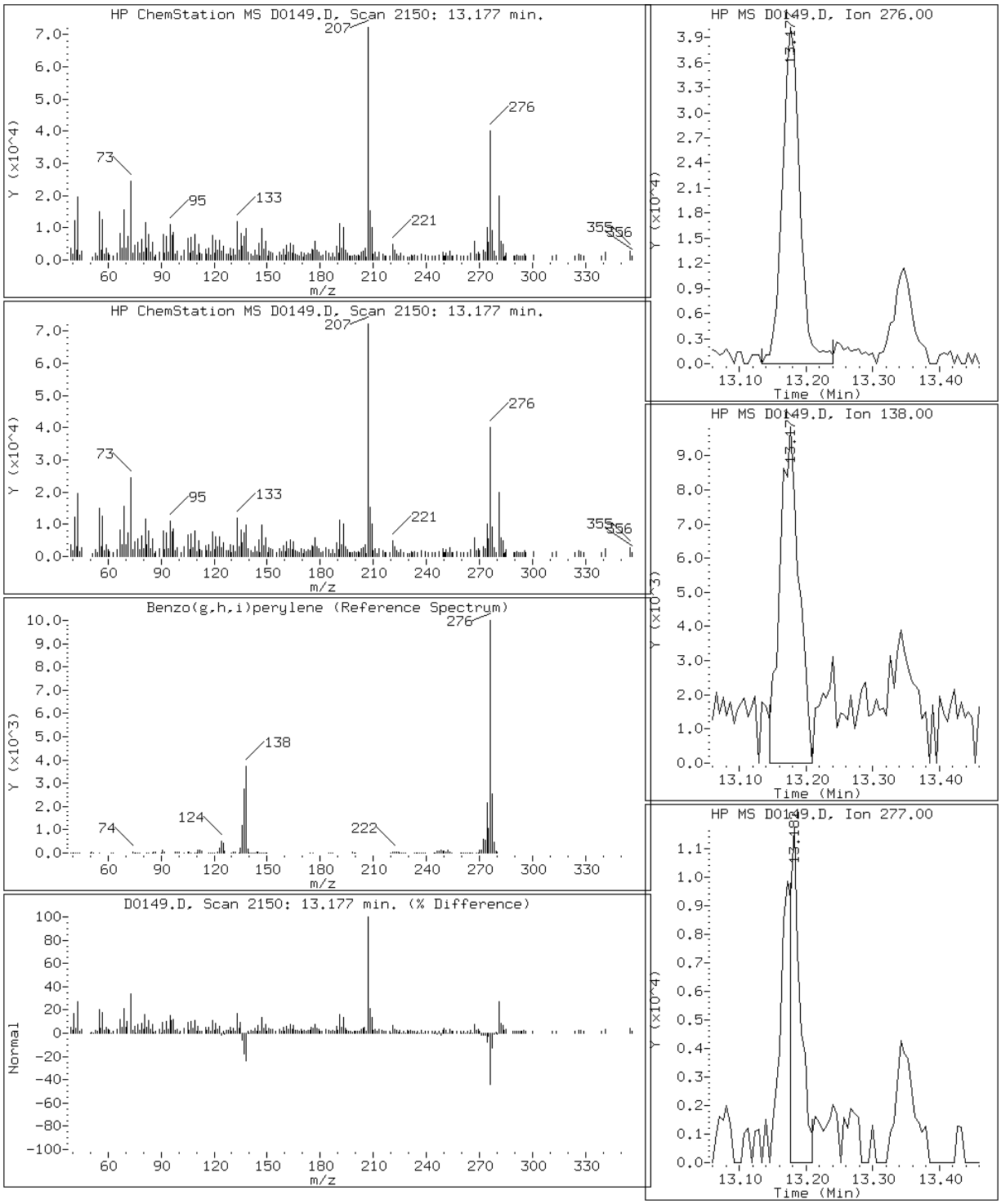
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

188 Benzo(g,h,i)perylene



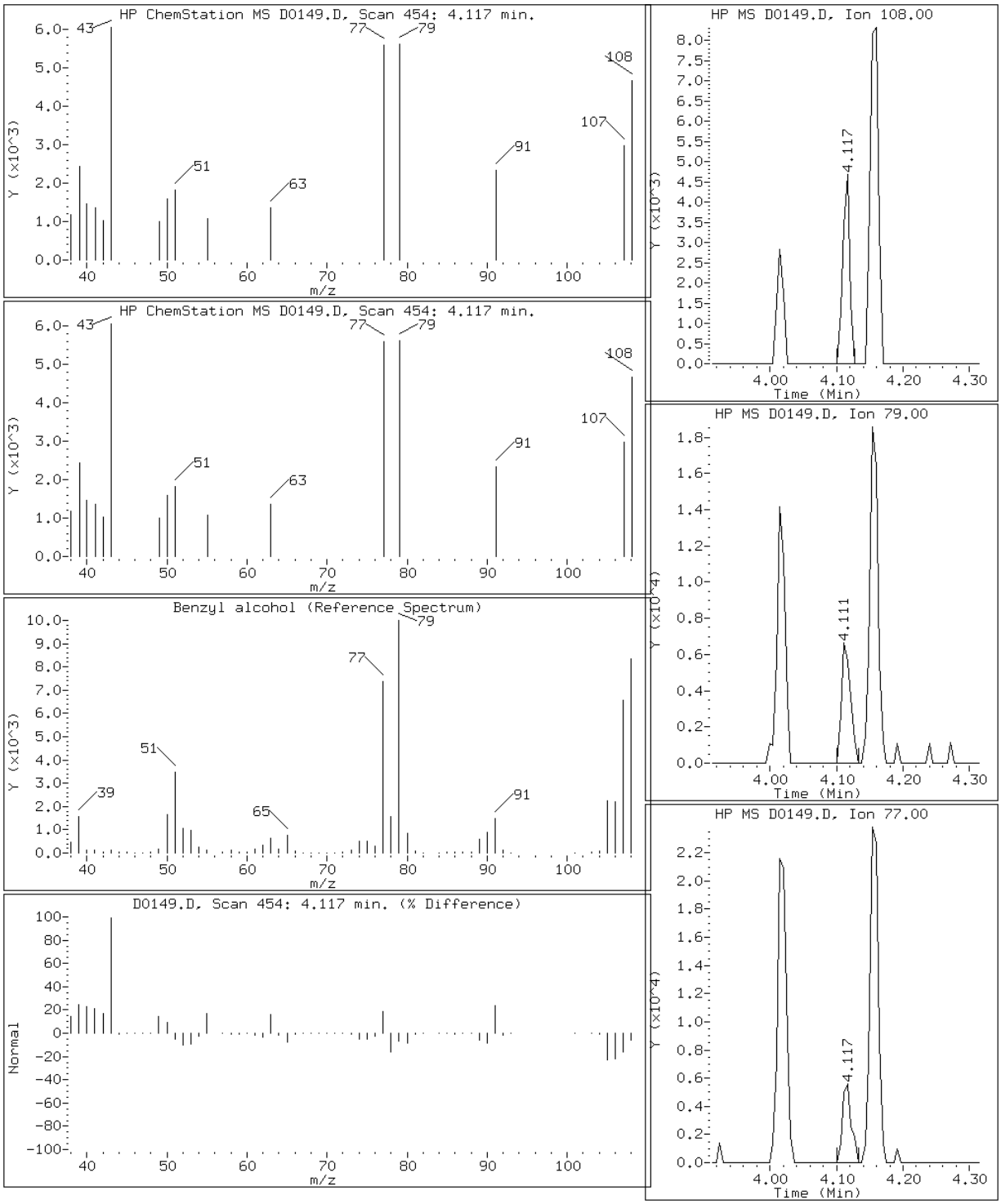
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

28 Benzyl alcohol



Data File: D0149.D

Date: 19-APR-2012 00:40

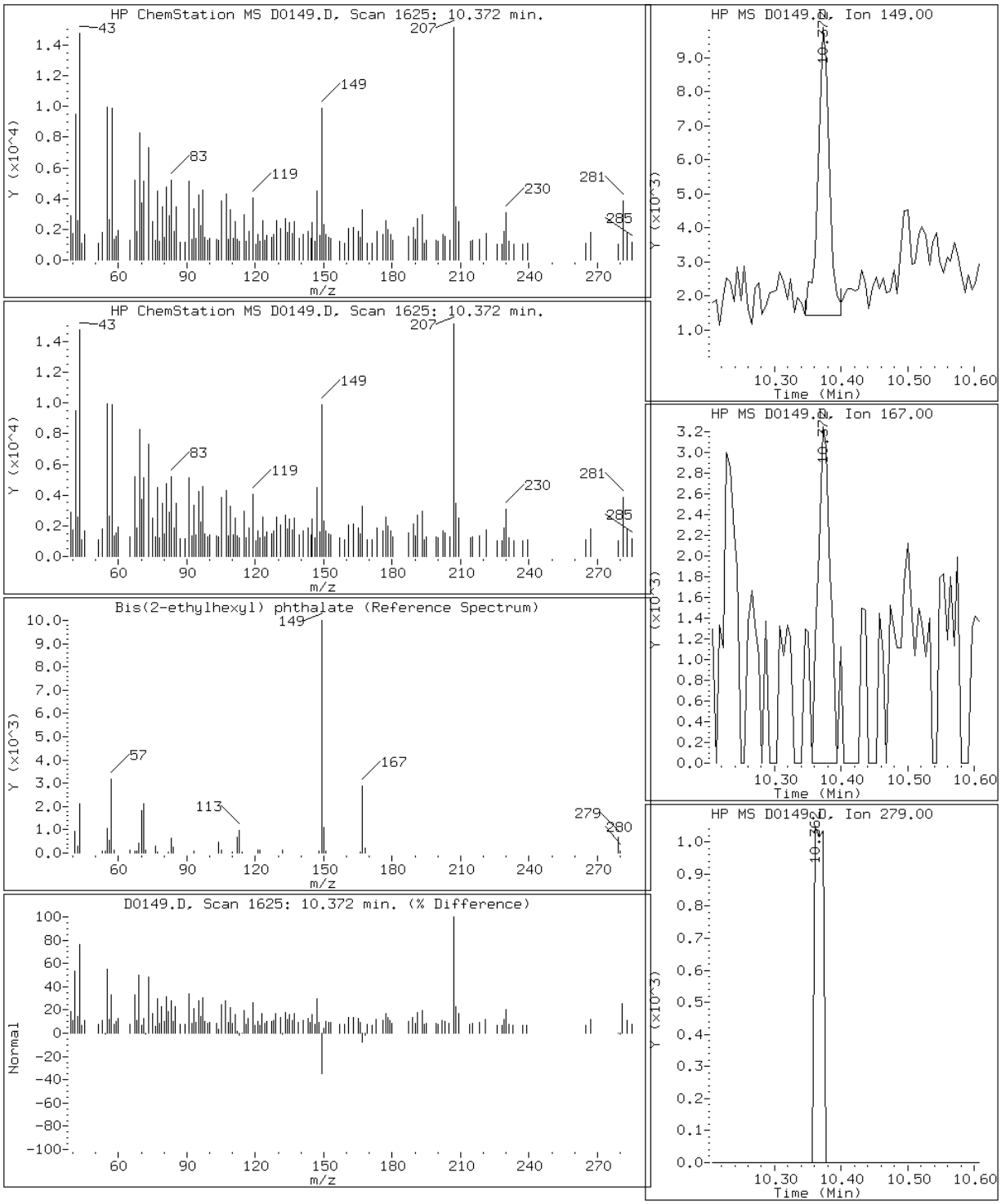
Client ID: UNK10602AA

Instrument: D.i

Sample Info: 280-27123-a-8-d

Operator: hoffmanm

162 Bis(2-ethylhexyl) phthalate



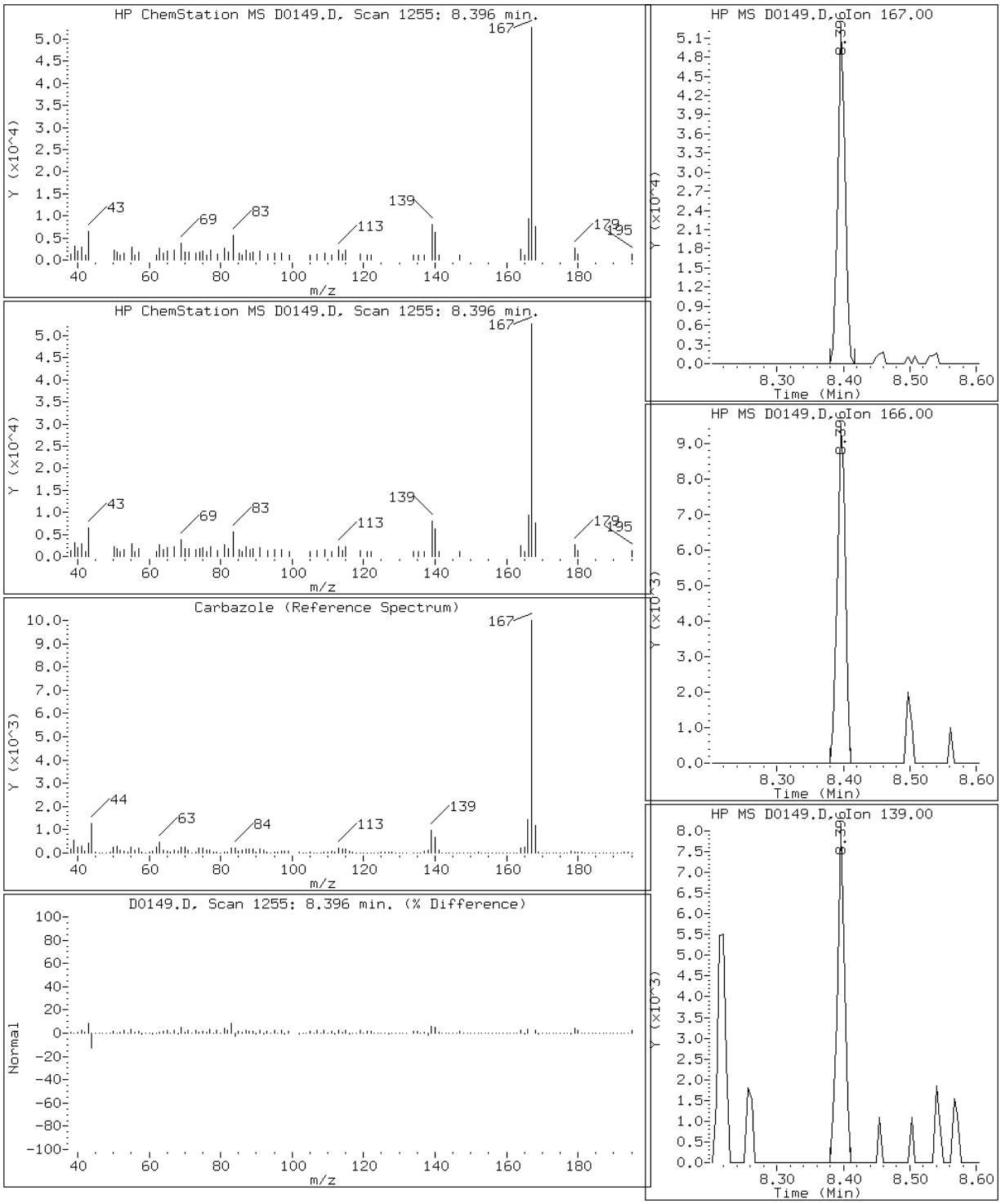
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

140 Carbazole



Data File: D0149.D

Date: 19-APR-2012 00:40

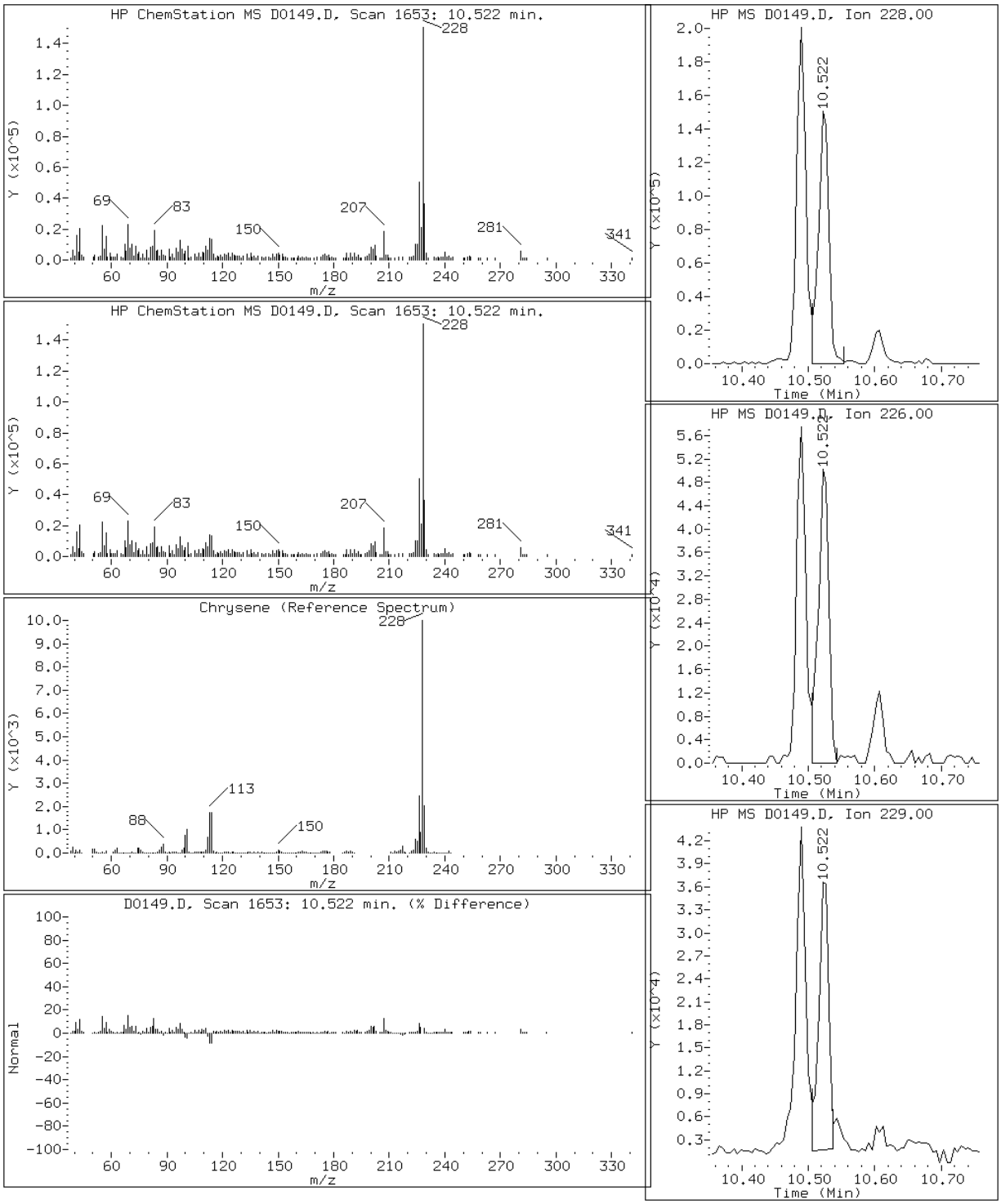
Client ID: UNK10602AA

Instrument: D.i

Sample Info: 280-27123-a-8-d

Operator: hoffmanm

167 Chrysene



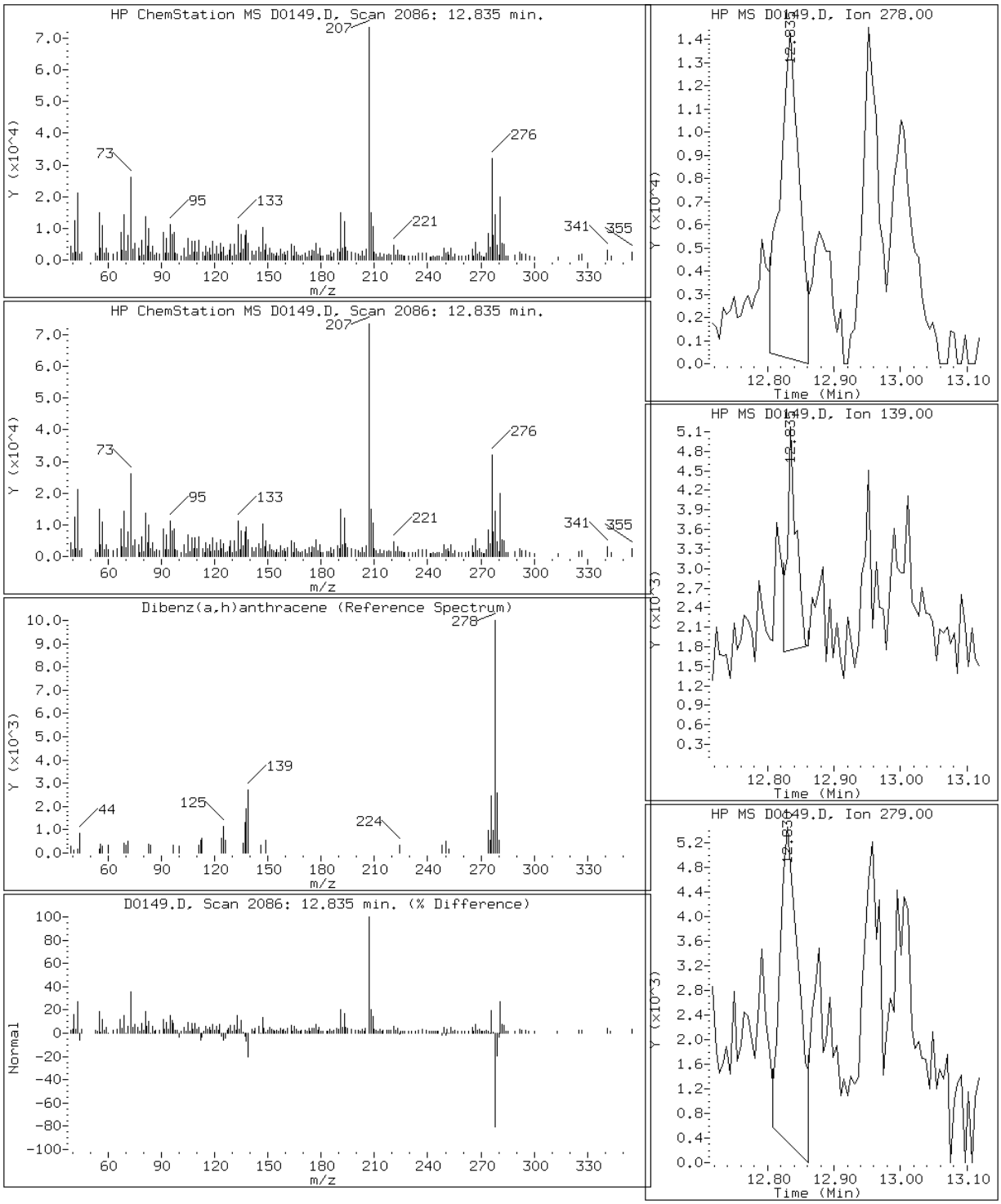
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

185 Dibenz(a,h)anthracene



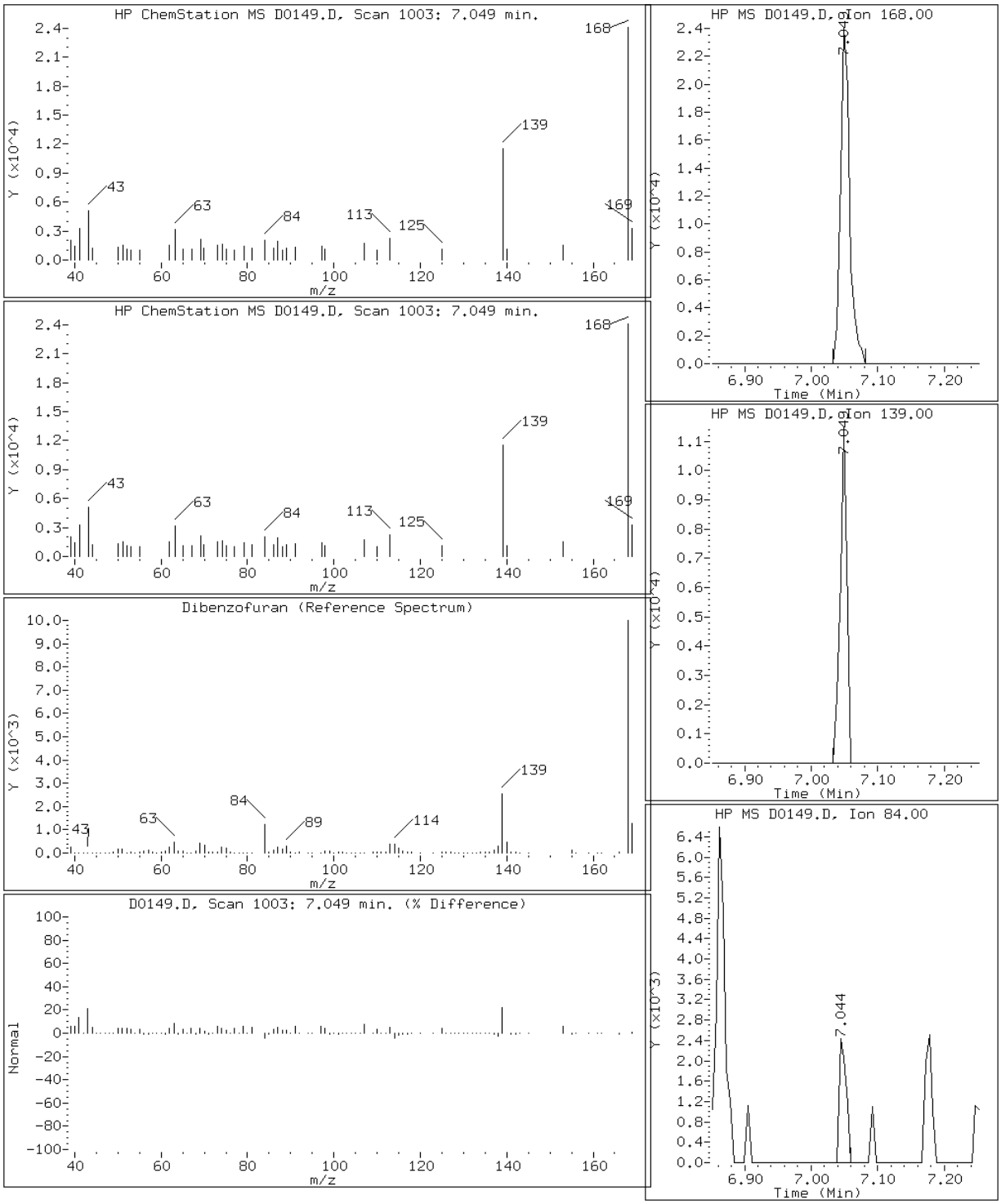
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

102 Dibenzofuran



Data File: D0149.D

Date: 19-APR-2012 00:40

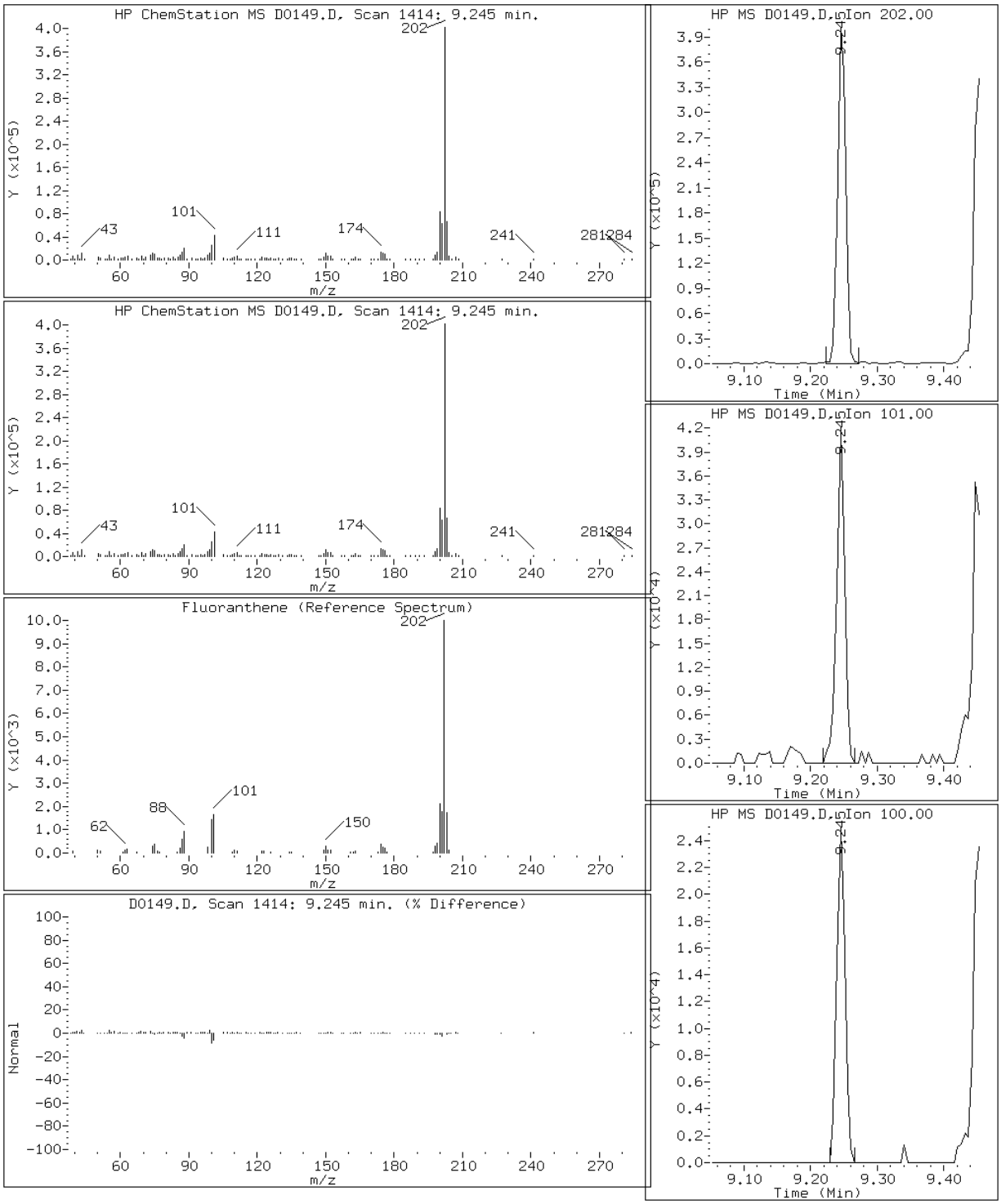
Client ID: UNK10602AA

Instrument: D.i

Sample Info: 280-27123-a-8-d

Operator: hoffmanm

149 Fluoranthene



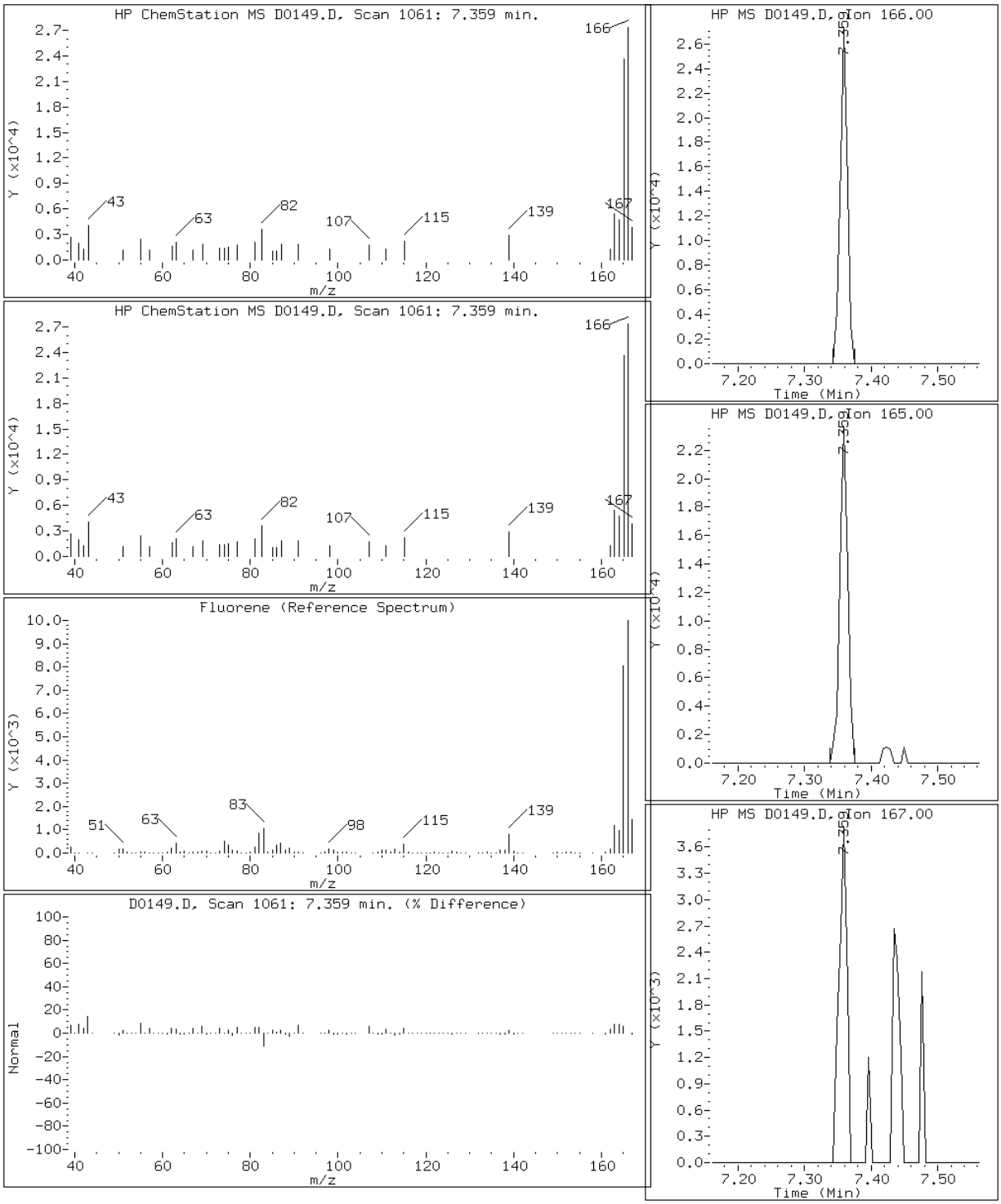
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

110 Fluorene



Data File: D0149.D

Date: 19-APR-2012 00:40

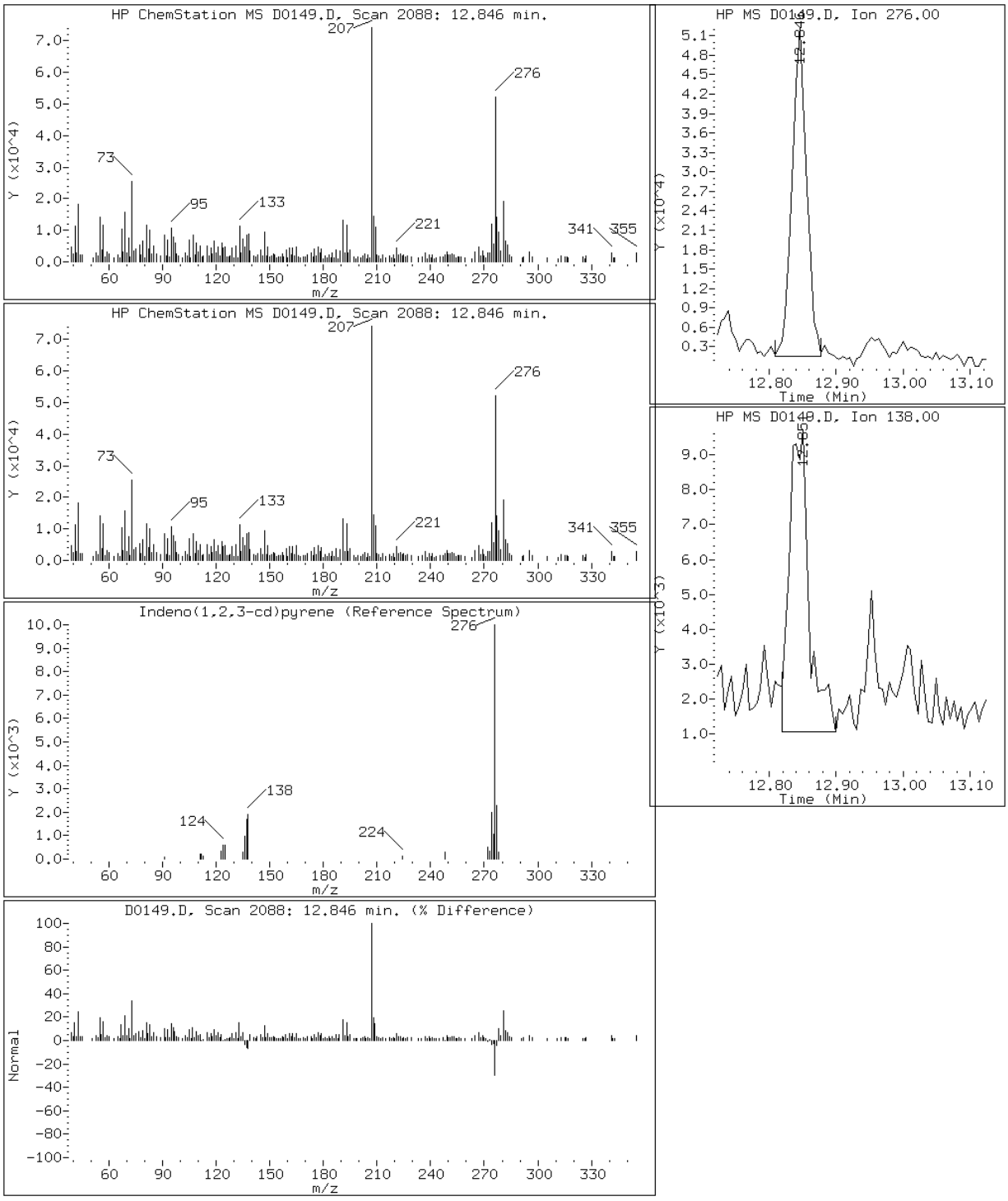
Client ID: UNK10602AA

Instrument: D.i

Sample Info: 280-27123-a-8-d

Operator: hoffmanm

186 Indeno(1,2,3-cd)pyrene



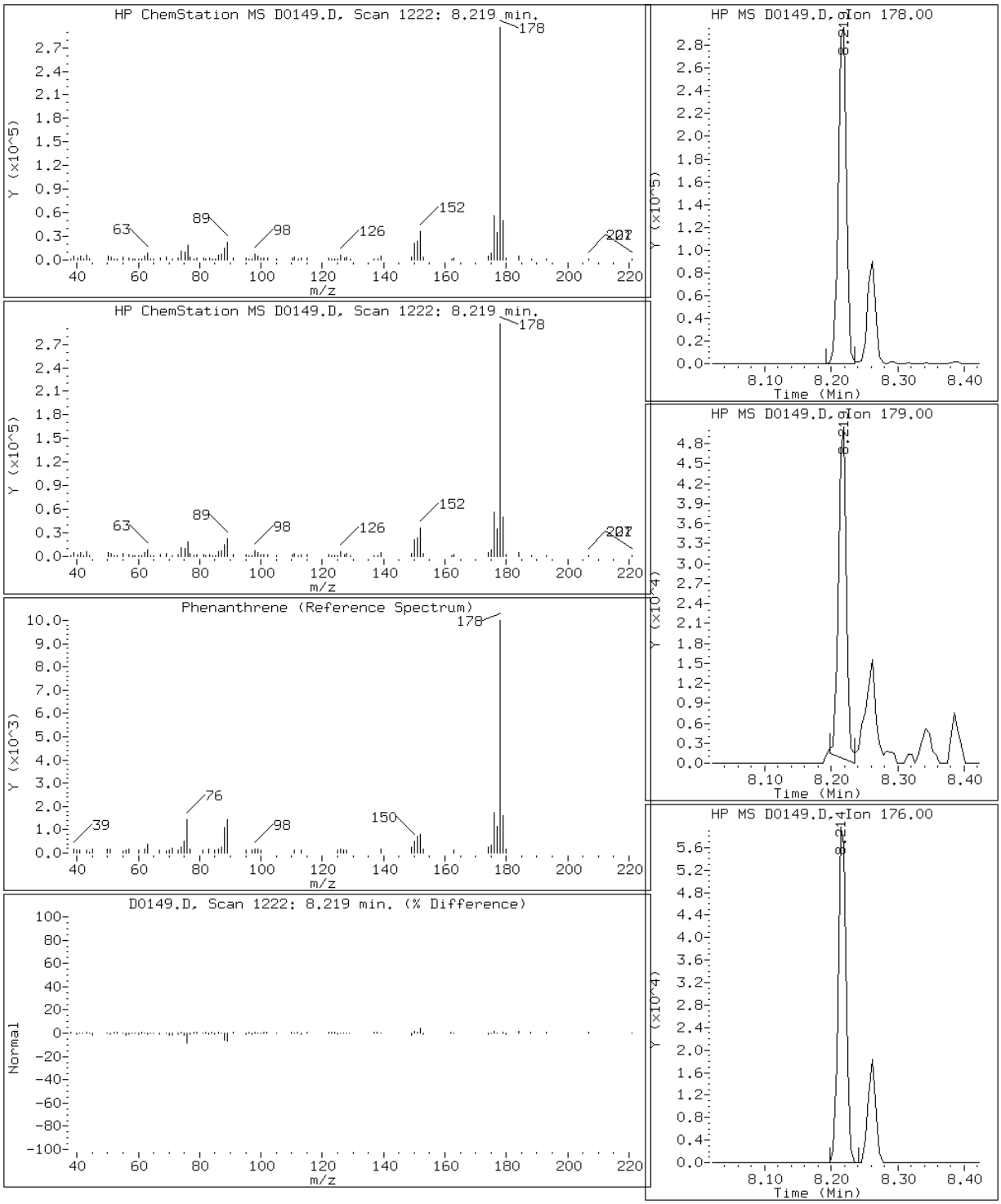
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

136 Phenanthrene



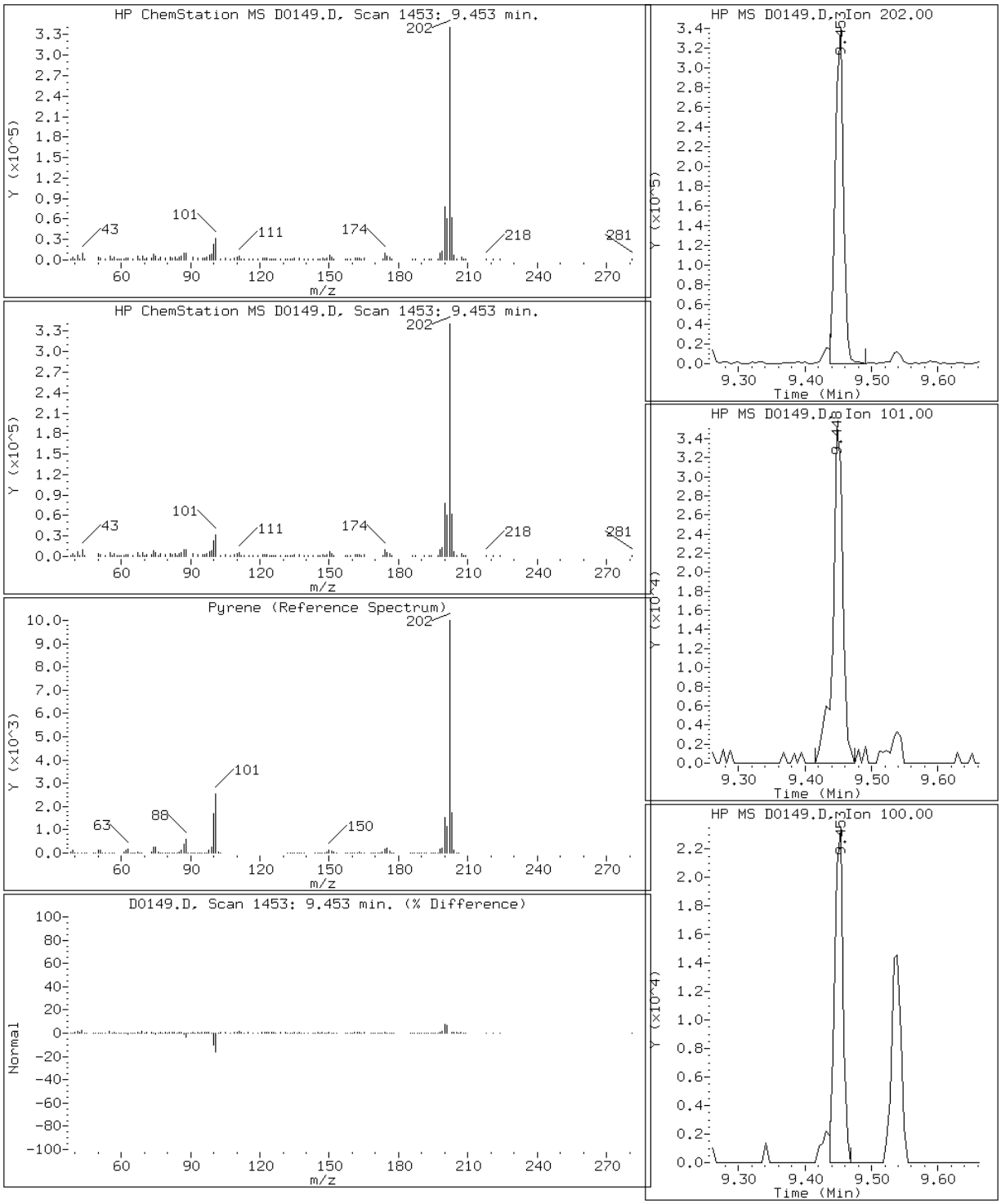
Data File: D0149.D

Date: 19-APR-2012 00:40

Client ID: UNK10602AA Instrument: D.i

Sample Info: 280-27123-a-8-d Operator: hoffmanm

152 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA | Lab Sample ID: 280-27123-9

Matrix: Solid | Lab File ID: D0150.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:55

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.3(g) | Date Analyzed: 04/19/2012 00:59

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

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

% Moisture: 29.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	45	U	450	45	68
95-94-3	1,2,4,5-Tetrachlorobenzene	91	U	450	91	67
120-82-1	1,2,4-Trichlorobenzene	45	U	450	45	38
95-50-1	1,2-Dichlorobenzene	45	U	450	45	30
122-66-7	1,2-Diphenylhydrazine	45	U	450	45	30
541-73-1	1,3-Dichlorobenzene	45	U	450	45	16
106-46-7	1,4-Dichlorobenzene	45	U	450	45	19
108-60-1	2,2'-oxybis[1-chloropropane]	45	U	450	45	31
58-90-2	2,3,4,6-Tetrachlorophenol	45	U	2200	45	190
95-95-4	2,4,5-Trichlorophenol	180	U	450	180	14
88-06-2	2,4,6-Trichlorophenol	90	U	450	90	14
120-83-2	2,4-Dichlorophenol	90	U	450	90	14
105-67-9	2,4-Dimethylphenol	180	U	450	180	90
51-28-5	2,4-Dinitrophenol	910	U	2200	910	450
121-14-2	2,4-Dinitrotoluene	180	U	450	180	90
87-65-0	2,6-Dichlorophenol	180	U	450	180	94
606-20-2	2,6-Dinitrotoluene	90	U	450	90	38
91-58-7	2-Chloronaphthalene	45	U	450	45	14
95-57-8	2-Chlorophenol	45	U	450	45	29
91-57-6	2-Methylnaphthalene	45	U	450	45	26
95-48-7	2-Methylphenol	45	U	450	45	18
88-74-4	2-Nitroaniline	90	U	2200	90	68
88-75-5	2-Nitrophenol	90	U	450	90	14
15831-10-4	3 & 4 Methylphenol	90	U	450	90	45
91-94-1	3,3'-Dichlorobenzidine	450	U	2200	450	120
99-09-2	3-Nitroaniline	180	U	2200	180	99
534-52-1	4,6-Dinitro-2-methylphenol	900	U	2200	900	450
101-55-3	4-Bromophenyl phenyl ether	45	U	450	45	26
59-50-7	4-Chloro-3-methylphenol	180	U	450	180	90
106-47-8	4-Chloroaniline	180	U	450	180	110
7005-72-3	4-Chlorophenyl phenyl ether	90	U	450	90	29
100-01-6	4-Nitroaniline	180	U	2200	180	99
100-02-7	4-Nitrophenol	450	U	2200	450	130
83-32-9	Acenaphthene	23	U	450	23	14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA | Lab Sample ID: 280-27123-9

Matrix: Solid | Lab File ID: D0150.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:55

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.3(g) | Date Analyzed: 04/19/2012 00:59

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

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

% Moisture: 29.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	45	U	450	45	23
98-86-2	Acetophenone	45	U	450	45	27
120-12-7	Anthracene	44	J	450	45	23
1912-24-9	Atrazine	180	U	450	180	50
100-52-7	Benzaldehyde	91	U	450	91	53
92-87-5	Benzidine	5400	U	5400	5400	1300
56-55-3	Benzo[a]anthracene	64	J	450	45	27
50-32-8	Benzo[a]pyrene	140	J	450	45	27
205-99-2	Benzo[b]fluoranthene	740	K	450	45	36
191-24-2	Benzo[g,h,i]perylene	400	J	450	45	22
207-08-9	Benzo[k]fluoranthene	90	U K	450	90	54
65-85-0	Benzoic acid	900	U	2200	900	450
100-51-6	Benzyl alcohol	40	J	450	45	14
111-91-1	Bis(2-chloroethoxy)methane	90	U	450	90	31
111-44-4	Bis(2-chloroethyl)ether	45	U	450	45	23
117-81-7	Bis(2-ethylhexyl) phthalate	90	U	450	90	63
85-68-7	Butyl benzyl phthalate	130	J	450	90	59
105-60-2	Caprolactam	450	U	2200	450	140
86-74-8	Carbazole	91	U	450	91	49
218-01-9	Chrysene	280	J	450	45	37
53-70-3	Dibenz(a,h)anthracene	210	J	450	45	26
132-64-9	Dibenzofuran	45	U	450	45	27
84-66-2	Diethyl phthalate	45	U	900	45	35
131-11-3	Dimethyl phthalate	45	U	450	45	31
84-74-2	Di-n-butyl phthalate	900		450	45	40
117-84-0	Di-n-octyl phthalate	90	U	450	90	20
206-44-0	Fluoranthene	110	J	450	90	49
86-73-7	Fluorene	45	U	450	45	25
118-74-1	Hexachlorobenzene	90	U	450	90	40
87-68-3	Hexachlorobutadiene	90	U	450	90	14
77-47-4	Hexachlorocyclopentadiene	90	U	2300	90	68
67-72-1	Hexachloroethane	45	U	450	45	29
193-39-5	Indeno[1,2,3-cd]pyrene	330	J	450	45	30
78-59-1	Isophorone	45	U	450	45	23

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA | Lab Sample ID: 280-27123-9

Matrix: Solid | Lab File ID: D0150.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 12:55

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.3(g) | Date Analyzed: 04/19/2012 00:59

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

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

% Moisture: 29.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	90	U	450	90	42
98-95-3	Nitrobenzene	45	U	450	45	30
62-75-9	N-Nitrosodimethylamine	90	U	710	90	50
621-64-7	N-Nitrosodi-n-propylamine	90	U	450	90	42
86-30-6	N-Nitrosodiphenylamine	45	U	450	45	29
930-55-2	N-Nitrosopyrrolidine	180	U	450	180	87
87-86-5	Pentachlorophenol	910	U	2200	910	450
85-01-8	Phenanthrene	74	J	450	45	23
108-95-2	Phenol	45	U	450	45	25
129-00-0	Pyrene	95	J	540	45	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	91		35-125
321-60-8	2-Fluorobiphenyl	80		45-105
367-12-4	2-Fluorophenol (Surr)	82		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	77		35-100
4165-62-2	Phenol-d5 (Surr)	85		40-100
1718-51-0	Terphenyl-d14 (Surr)	90		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0150.D
Lab Smp Id: 280-27123-A-9-D Client Smp ID: UNK10701AA
Inj Date : 19-APR-2012 00:59
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-9-d
Misc Info : 280-27123-A-9-D
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 36
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	31.300	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.019	4.020	(1.000)	231889	40.0000	
* 58 Naphthalene-d8	136	5.189	5.190	(1.000)	845436	40.0000	
* 96 Acenaphthene-d10	164	6.867	6.867	(1.000)	543464	40.0000	
* 135 Phenanthrene-d10	188	8.197	8.198	(1.000)	966769	40.0000	
* 166 Chrysene-d12	240	10.505	10.521	(1.000)	1154529	40.0000	
* 179 Perylene-d12	264	11.776	11.819	(1.000)	1084741	40.0000	
$ 8 2-Fluorophenol	112	2.961	2.953	(0.737)	930435	122.285	3906.88
$ 15 Phenol-d5	99	3.656	3.653	(0.910)	1245078	126.785	4050.64
$ 43 Nitrobenzene-d5	82	4.511	4.513	(0.869)	778684	77.2329	2467.50
$ 81 2-Fluorobiphenyl	172	6.215	6.212	(0.905)	1574836	79.5227	2540.66
$ 118 2,4,6-Tribromophenol	330	7.582	7.585	(1.104)	432268	136.966	4375.92
$ 154 Terphenyl-d14	244	9.538	9.546	(0.908)	2110533	90.3821	2887.61
$ 29 1,2-Dichlorobenzene-d4	152	4.158	4.161	(1.035)	408760	66.7366	2132.16
$ 22 2-Chlorophenol-d4	132	3.822	3.824	(0.951)	998099	122.655	3918.68
4 1,4-Dioxane	88	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
6 Pyridine	79	Compound Not Detected.					
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	4.115	4.113	(1.024)	4440	0.87374	27.9149(a)
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	8.218	8.221	(1.003)	45363	1.63750	52.3163(a)
137 Anthracene	178	8.261	8.263	(1.008)	26562	0.96258	30.7534(a)
140 Carbazole	167	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	8.619	8.627	(1.051)	554682	19.7324	630.428(H)
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	9.249	9.252	(1.128)	73176	2.31398	73.9290(aQ)
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.452	9.460	(0.900)	67821	2.08270	66.5400(a)
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	9.922	9.941	(0.945)	17283	2.89424	92.4676(a)
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	Compound Not Detected.					
165	Benzo(a)anthracene	228	10.489	10.518	(0.998)	46366	1.41331	45.1536(aQH)
167	Chrysene	228	10.526	10.555	(1.002)	188326	6.24074	199.384(a)
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	11.434	11.490	(0.971)	528088	16.3416	522.097(H)
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	11.723	11.784	(0.995)	50468	3.08355	98.5160(aH)
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	12.850	12.922	(1.223)	227703	7.33649	234.392(aH)
185	Dibenz(a,h)anthracene	278	12.844	12.916	(1.091)	54386	4.53662	144.940(aQH)
188	Benzo(g,h,i)perylene	276	13.186	13.258	(1.120)	266125	8.71457	278.421(a)
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

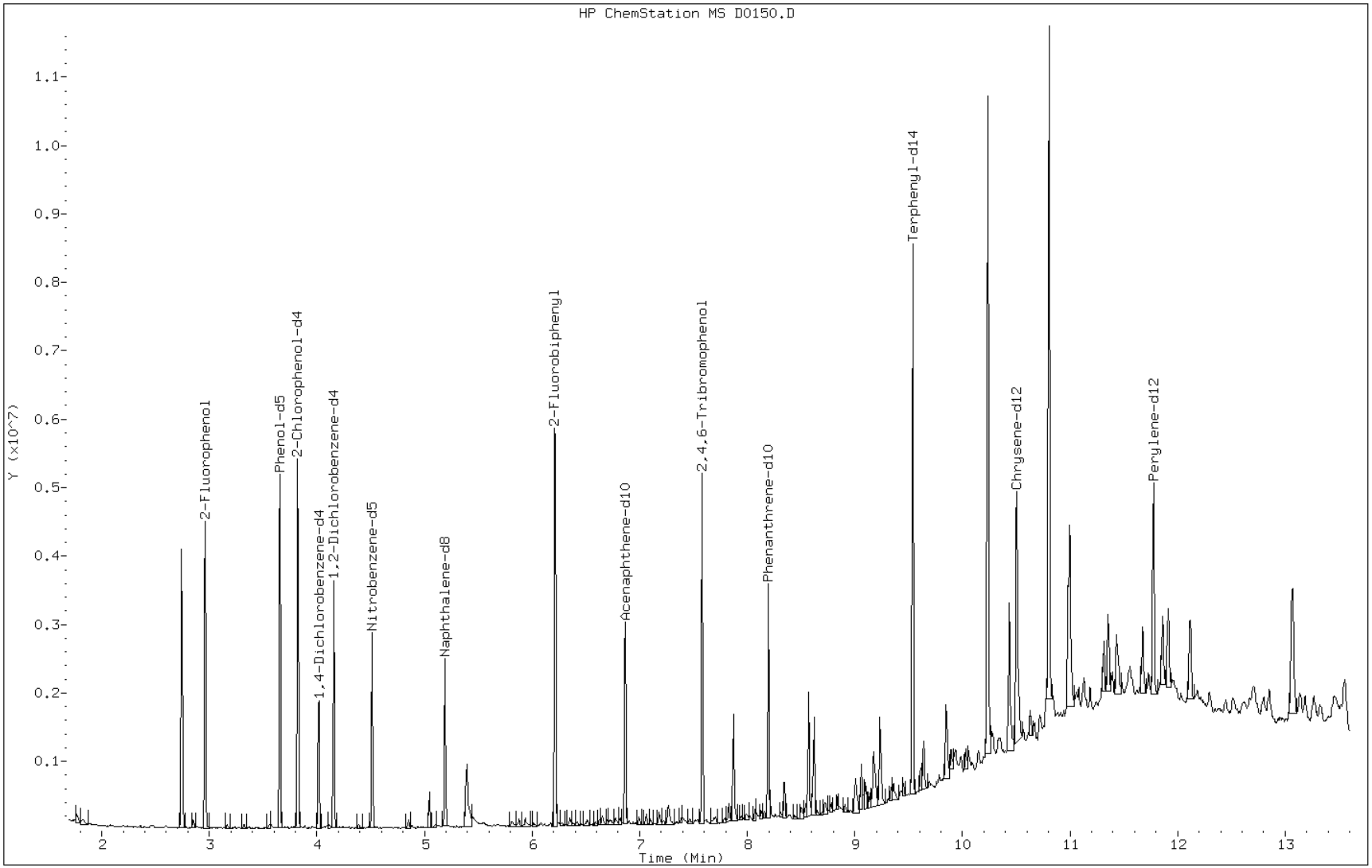
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm



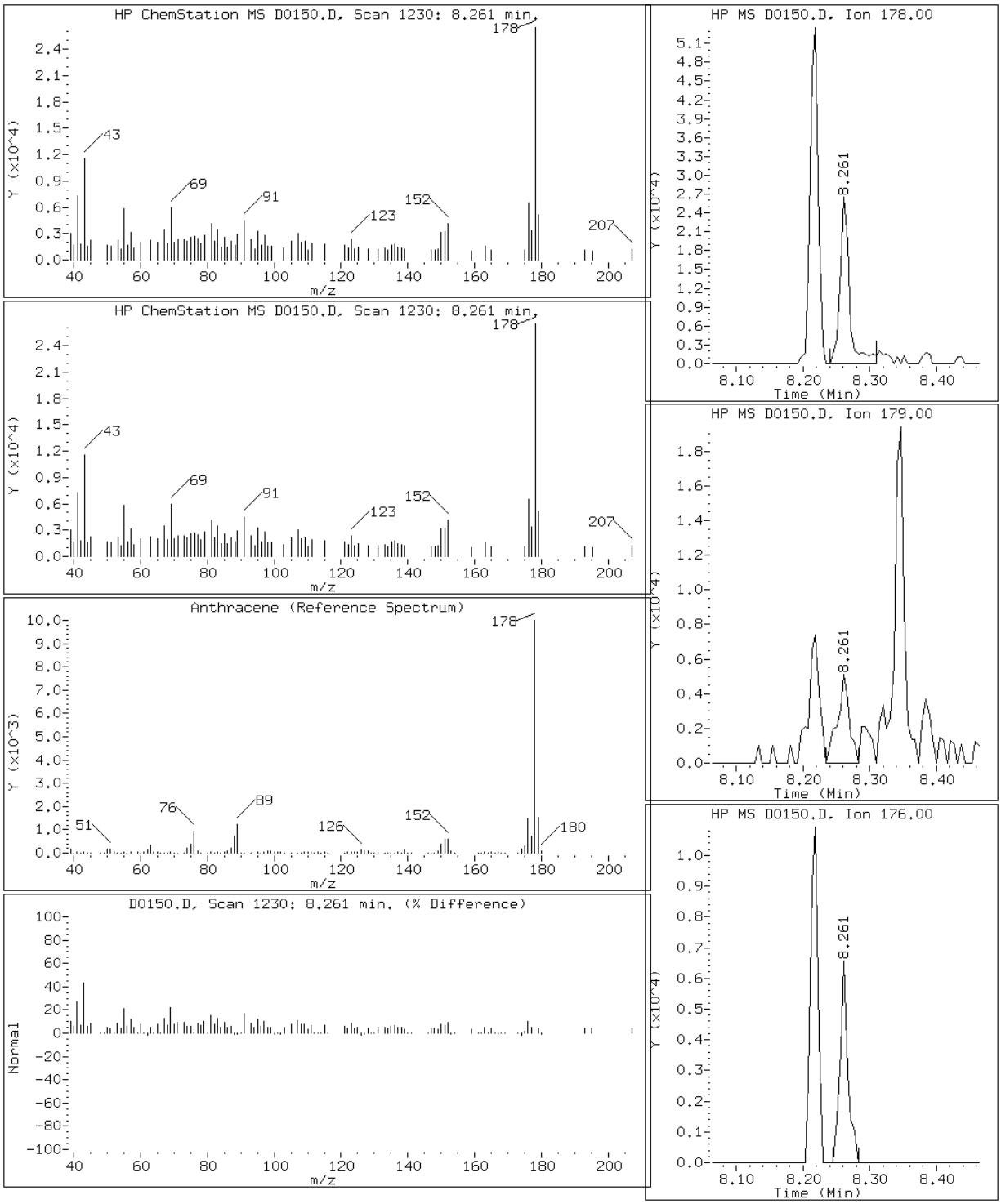
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

137 Anthracene



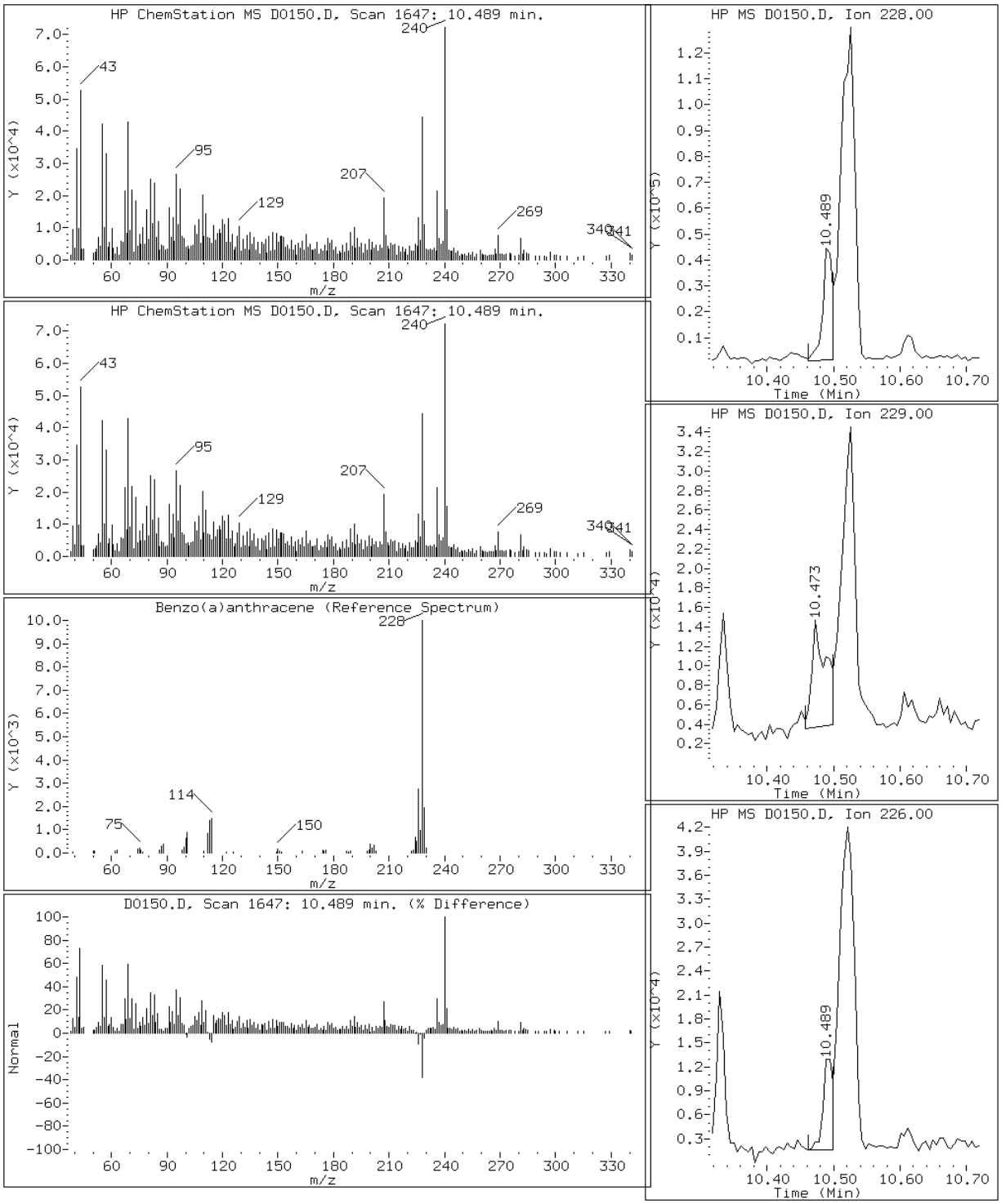
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

165 Benzo(a)anthracene



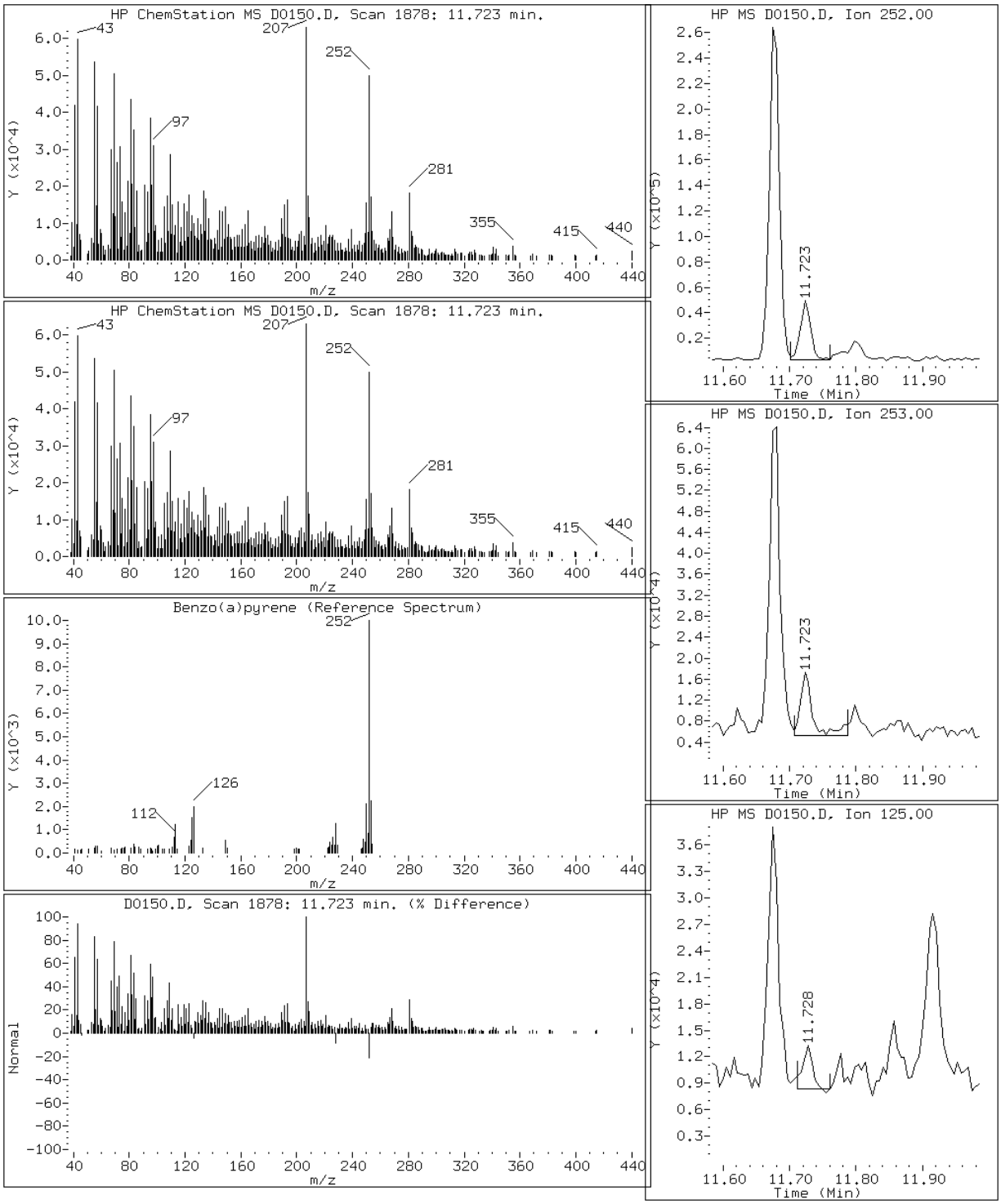
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

178 Benzo(a)pyrene



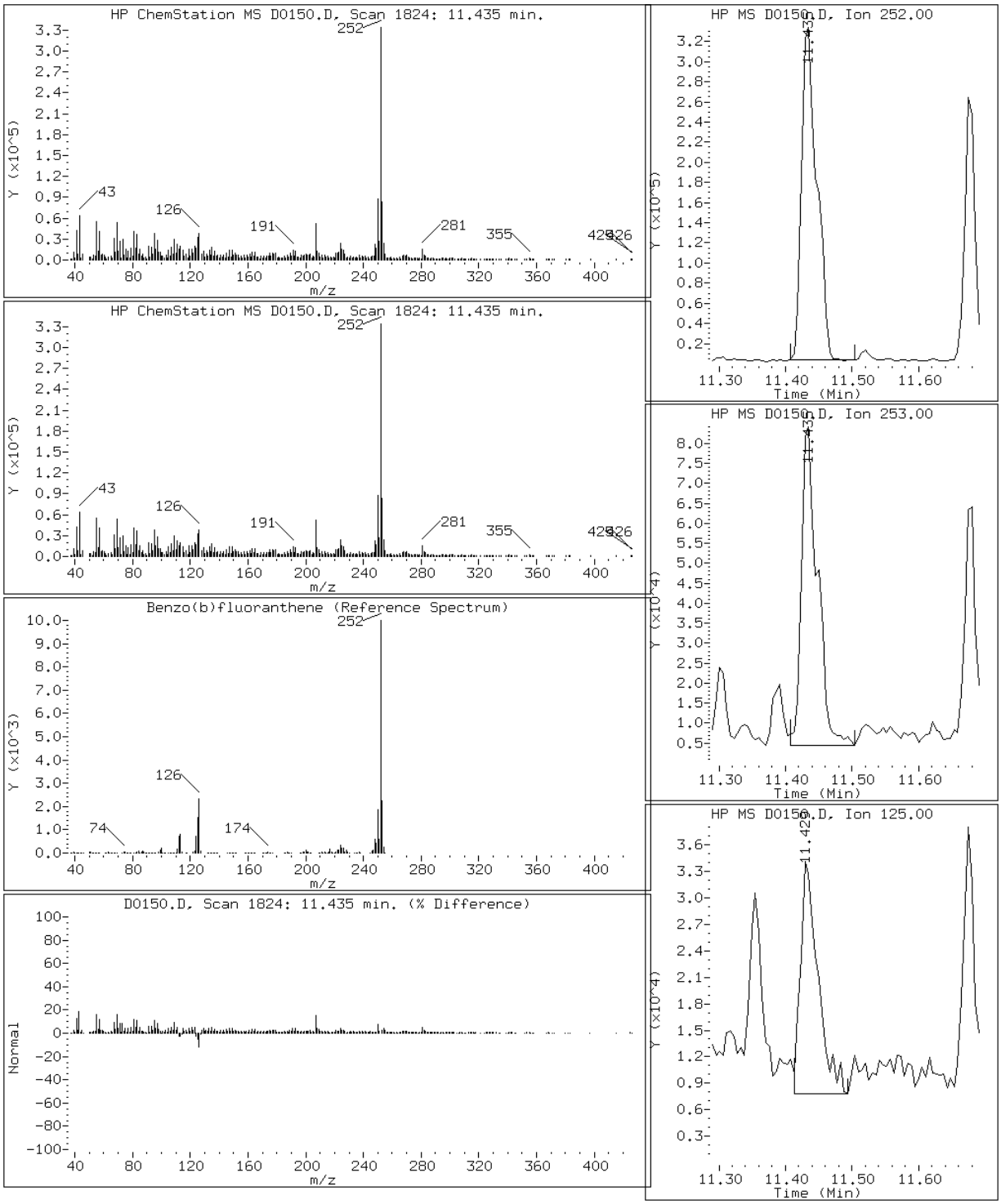
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

171 Benzo(b)fluoranthene



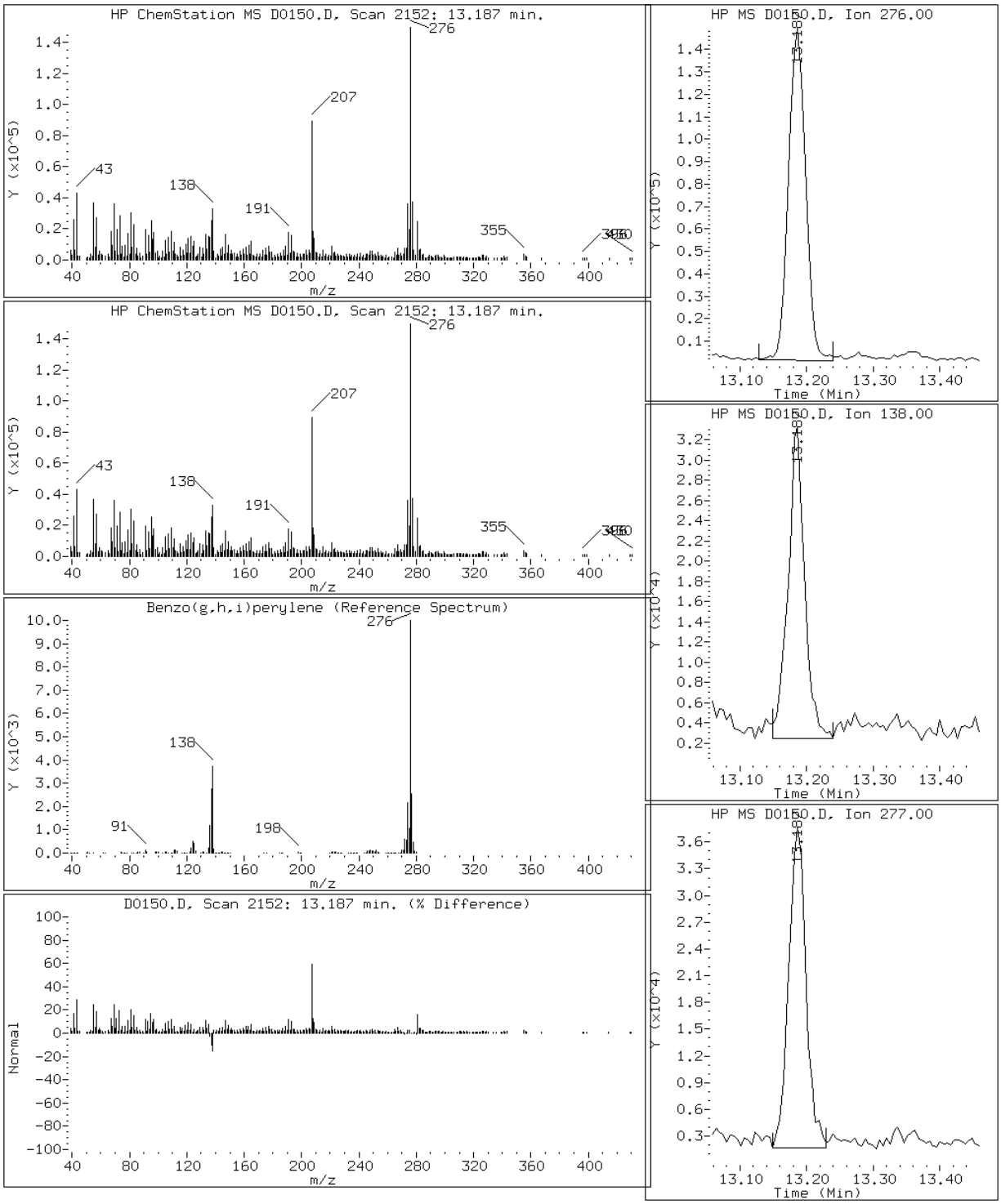
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

188 Benzo(g,h,i)perylene



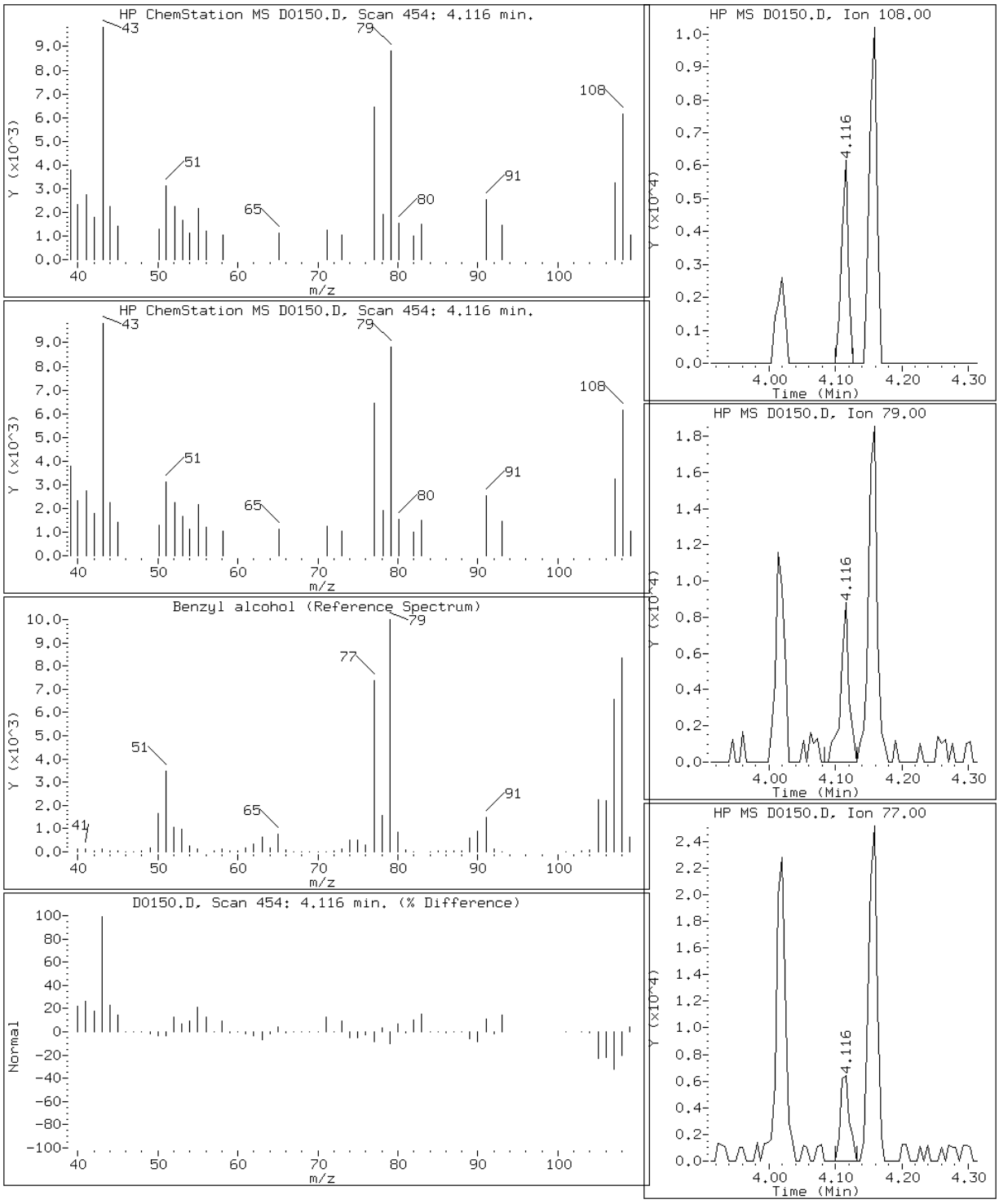
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

28 Benzyl alcohol



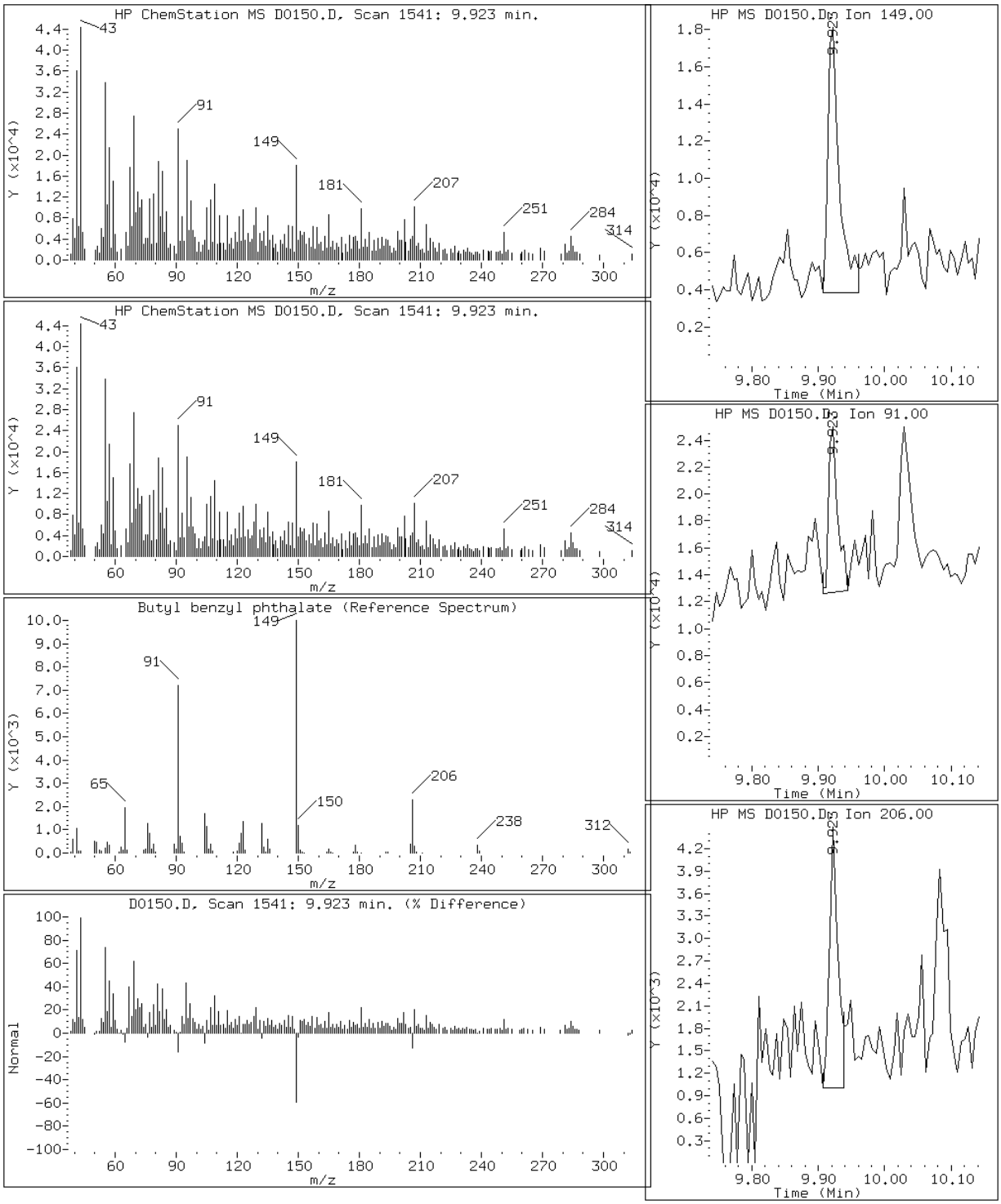
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

159 Butyl benzyl phthalate



Data File: D0150.D

Date: 19-APR-2012 00:59

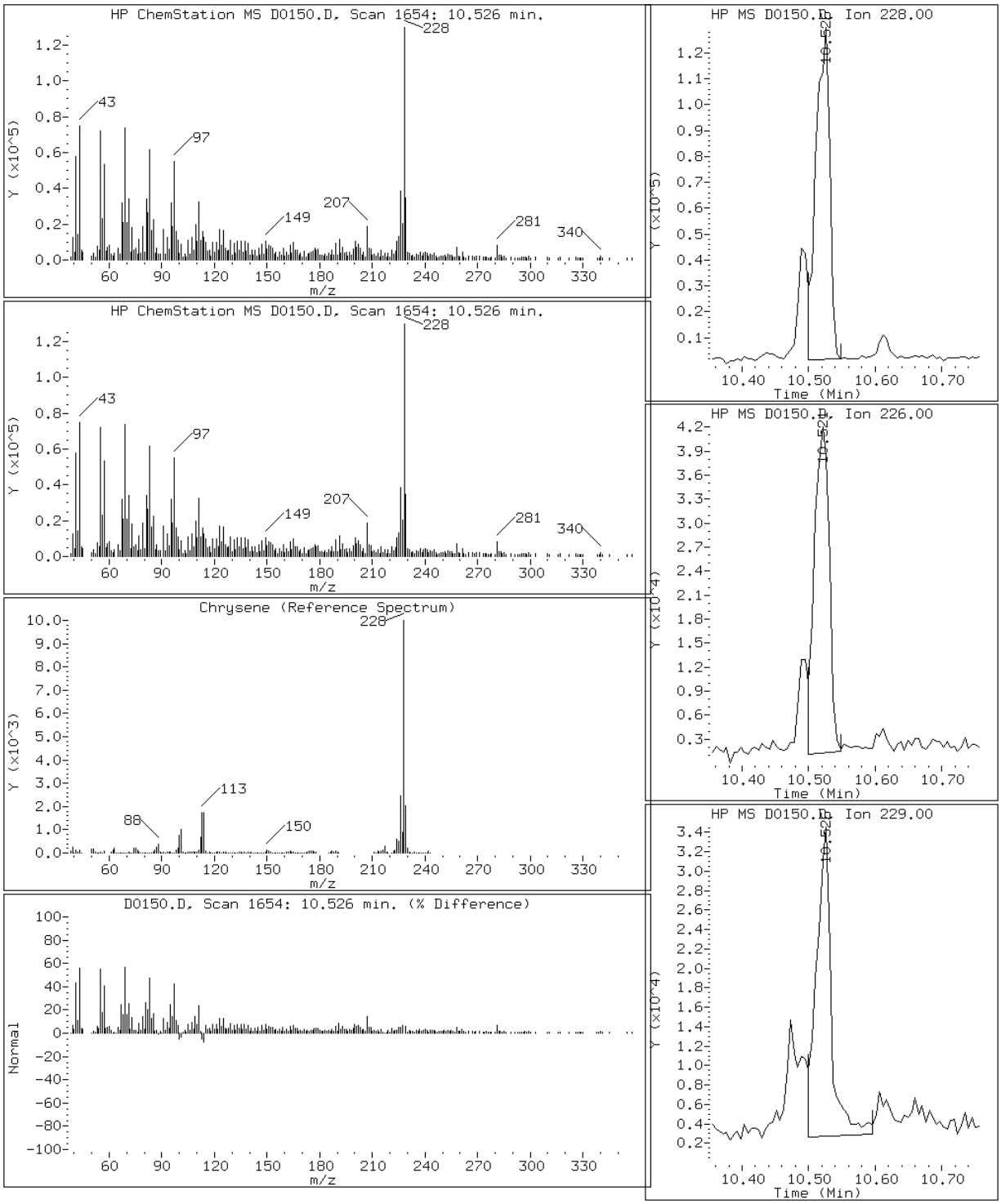
Client ID: UNK10701AA

Instrument: D.i

Sample Info: 280-27123-a-9-d

Operator: hoffmanm

167 Chrysene



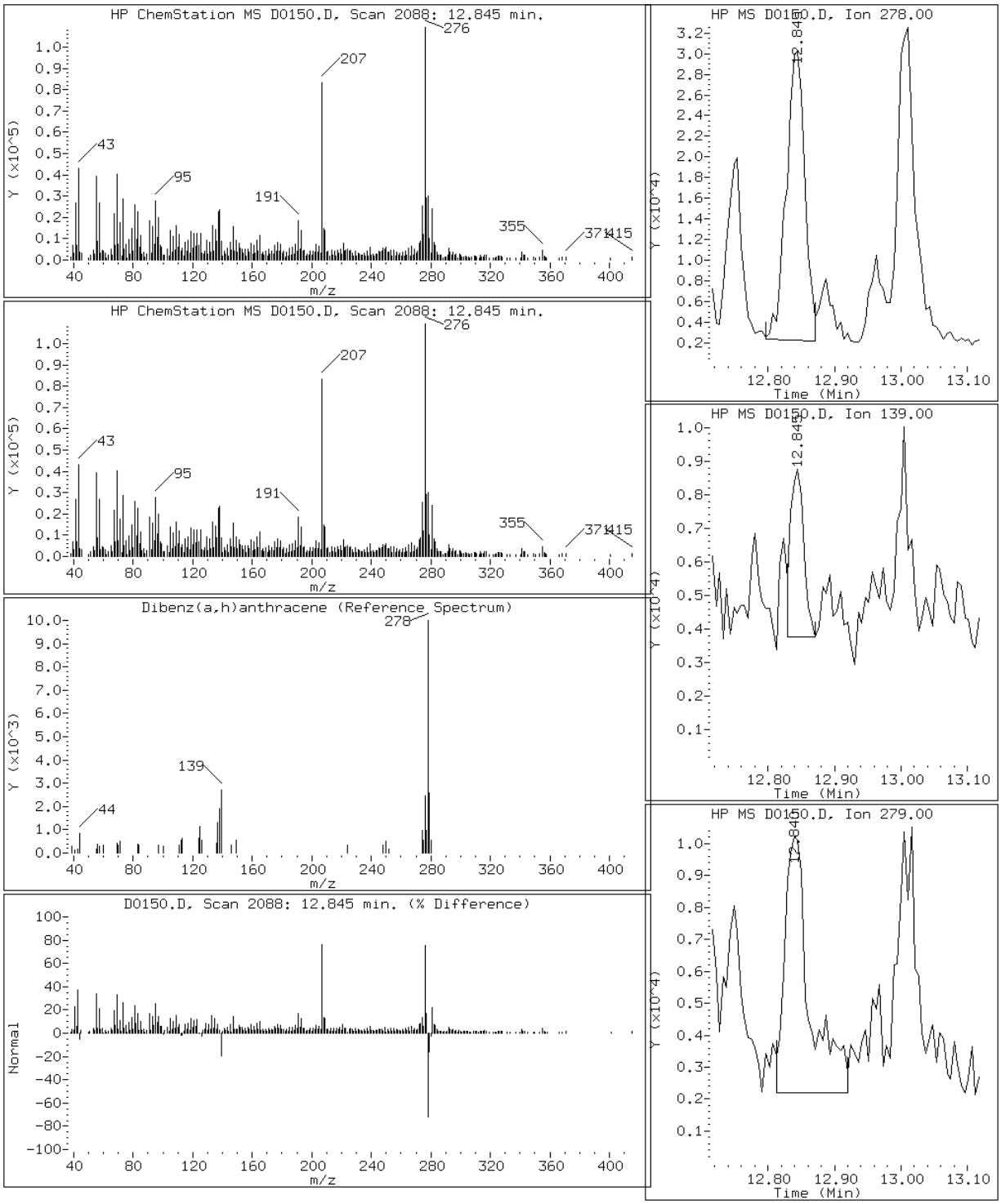
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

185 Dibenz(a,h)anthracene



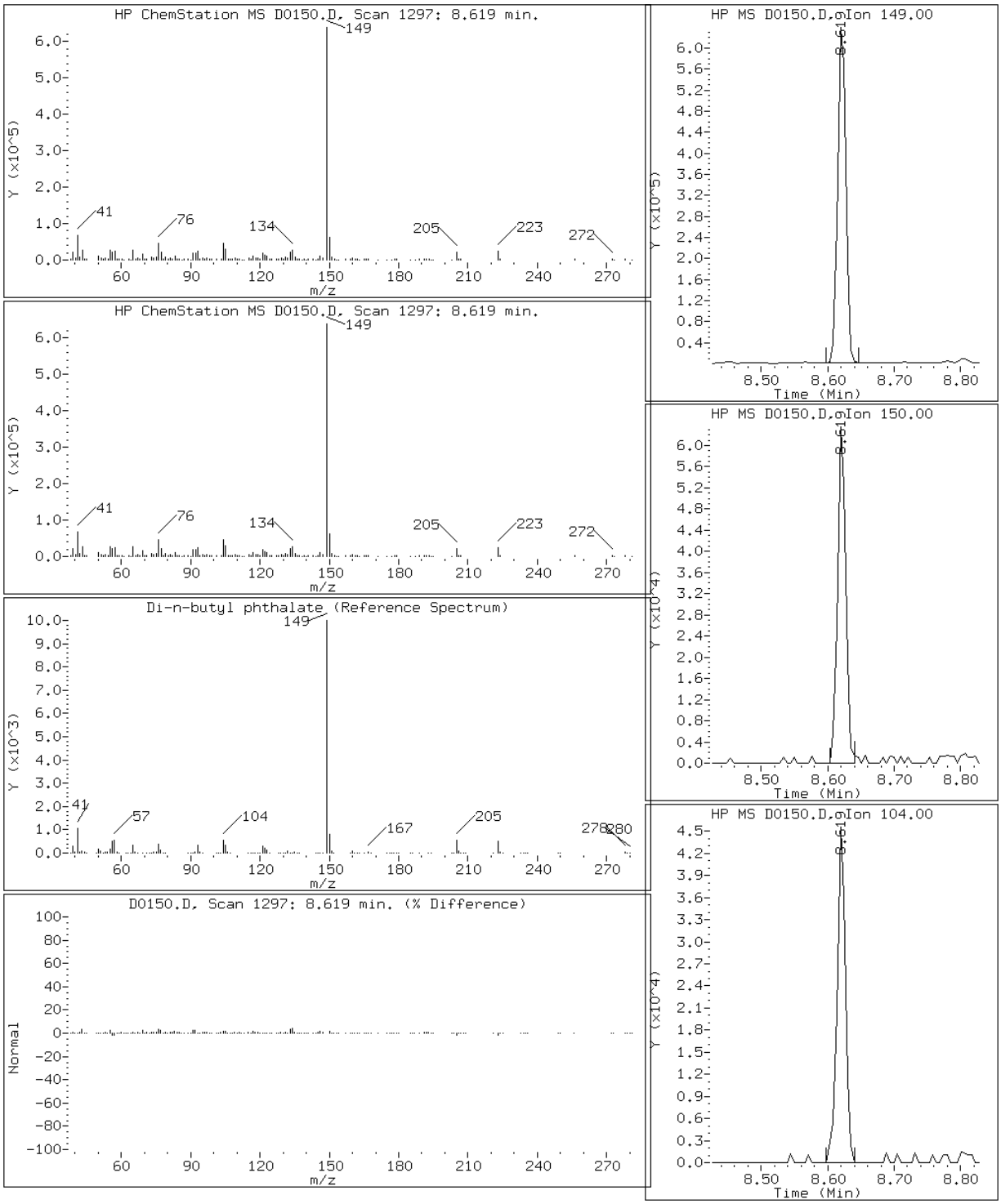
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

143 Di-n-butyl phthalate



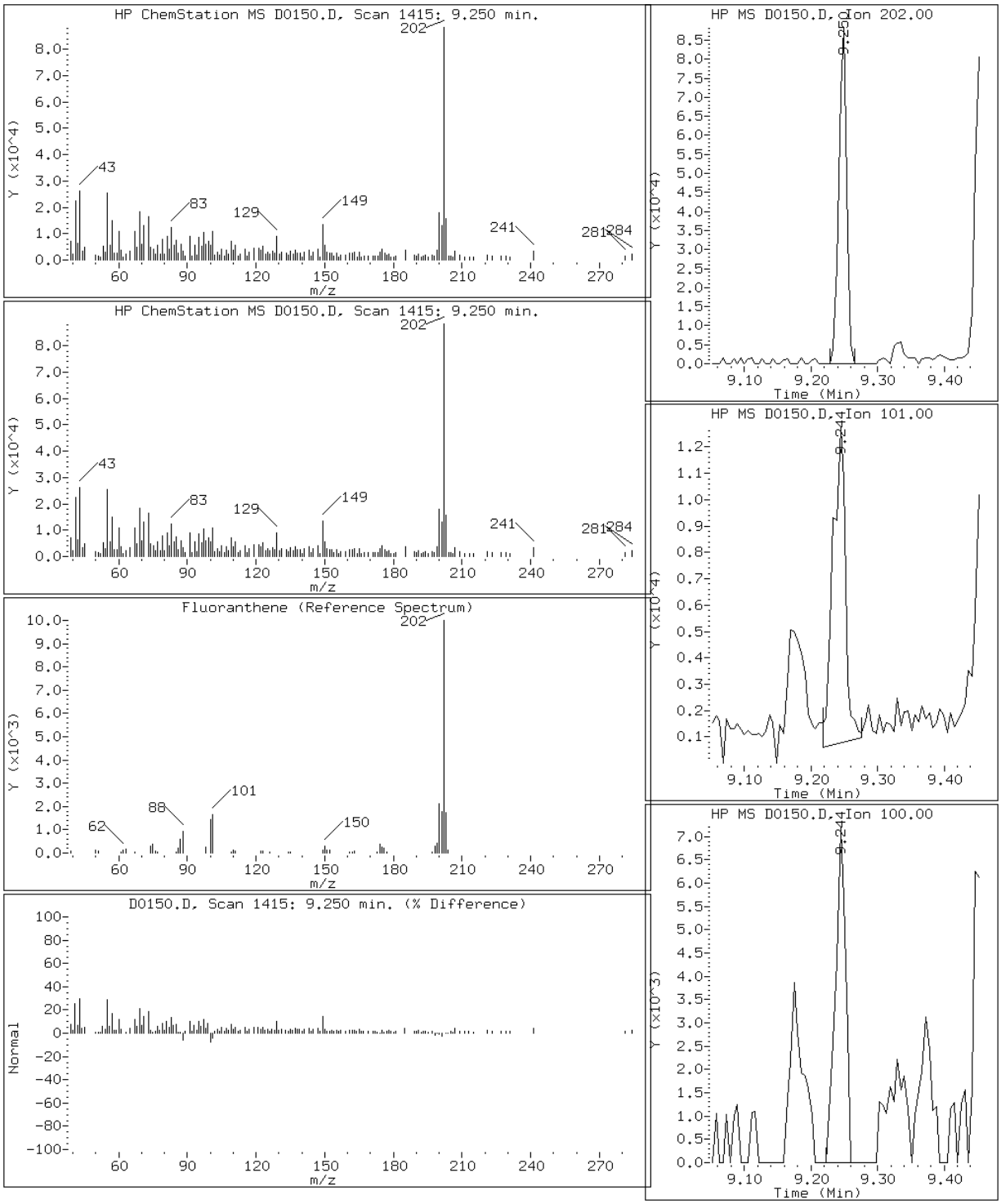
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

149 Fluoranthene



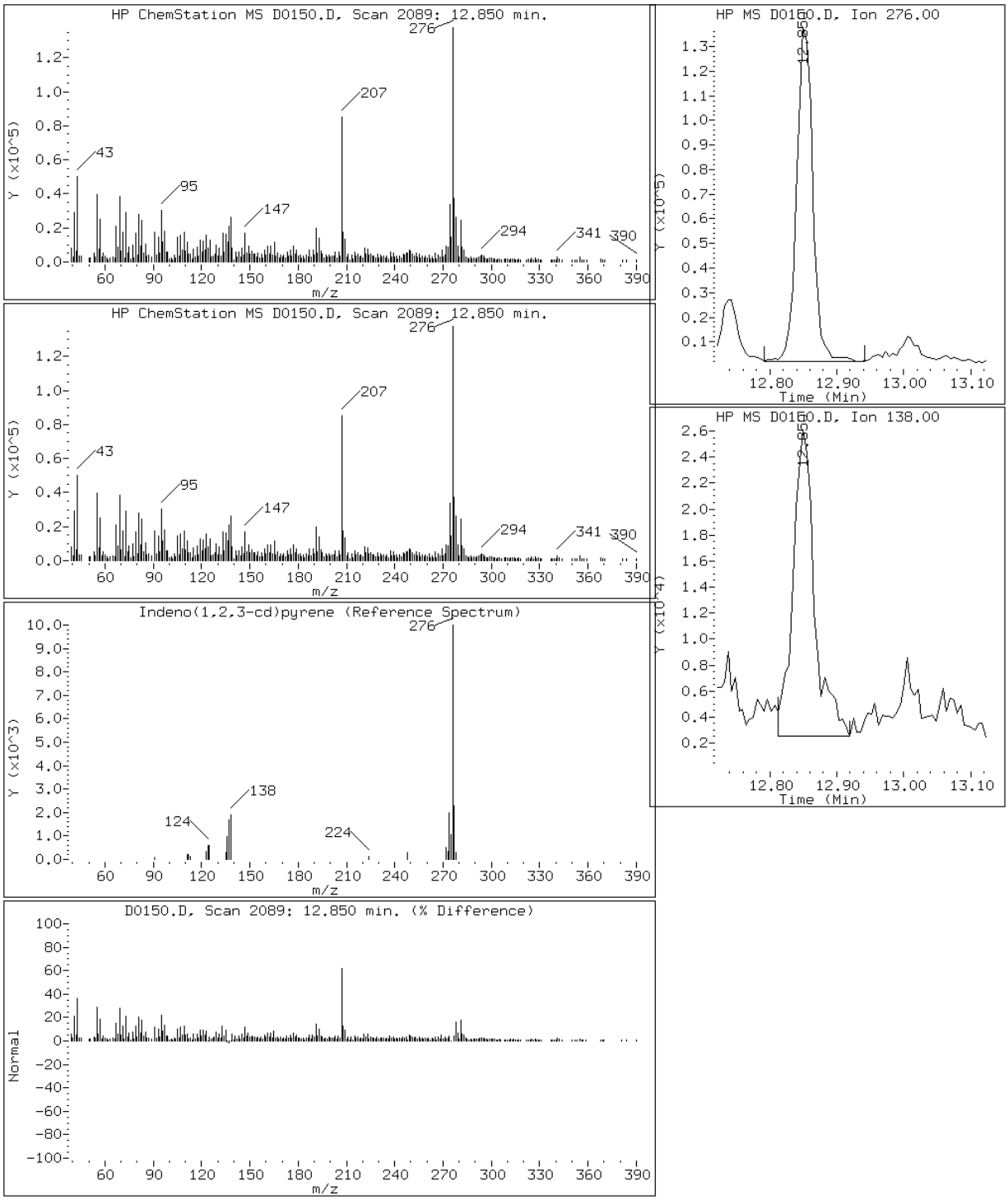
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

186 Indeno(1,2,3-cd)pyrene



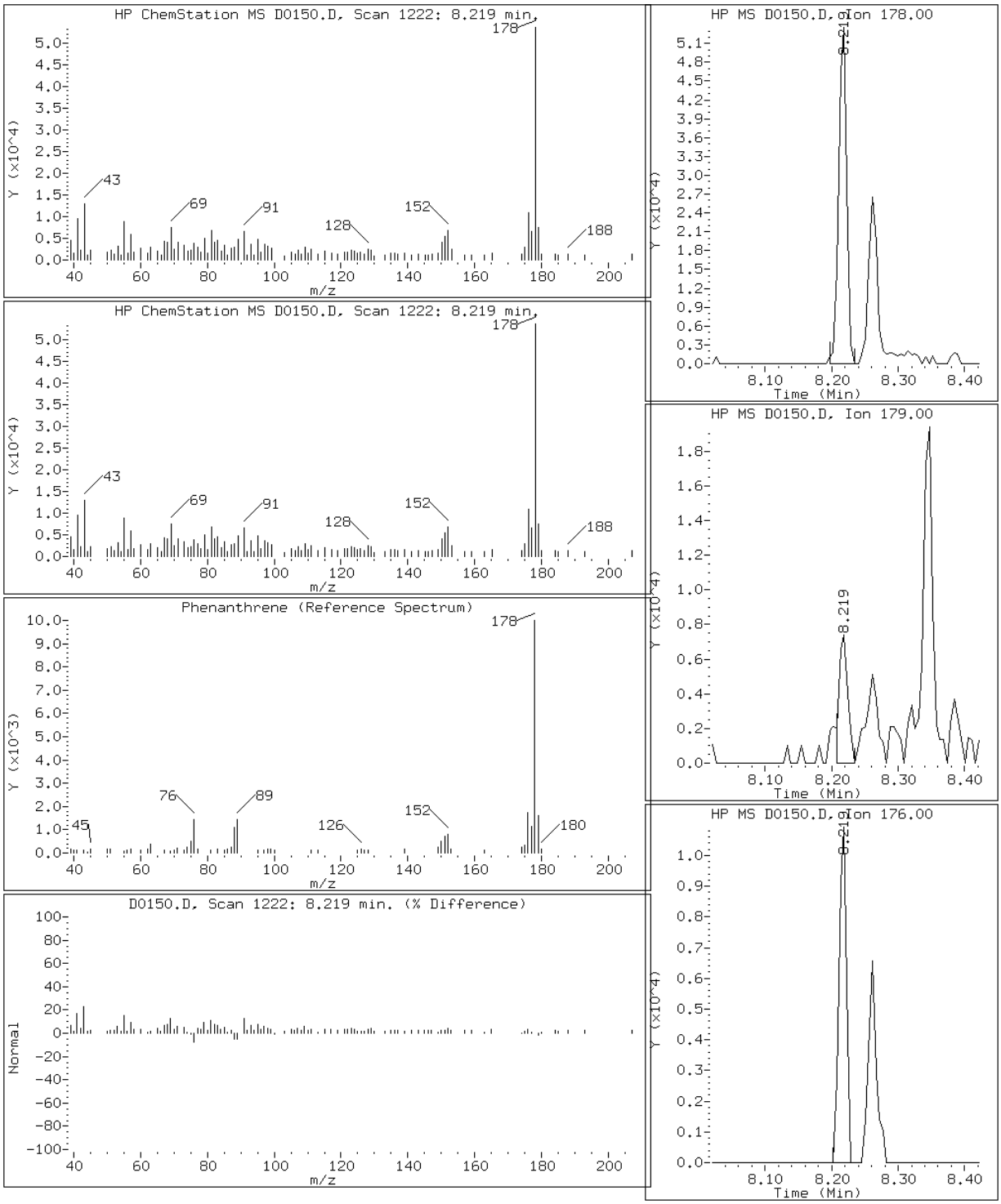
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Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

136 Phenanthrene



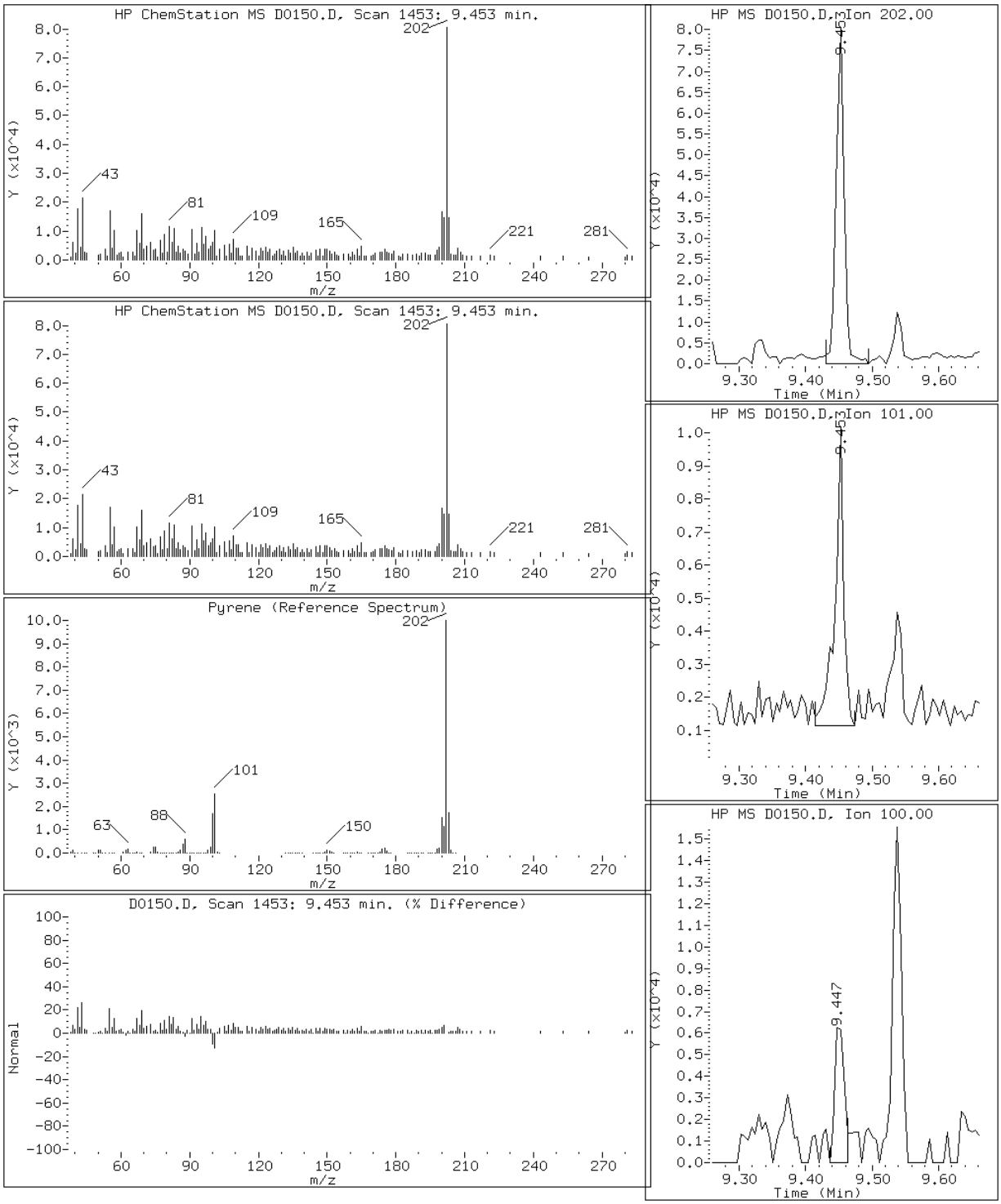
Data File: D0150.D

Date: 19-APR-2012 00:59

Client ID: UNK10701AA Instrument: D.i

Sample Info: 280-27123-a-9-d Operator: hoffmanm

152 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA | Lab Sample ID: 280-27123-10

Matrix: Solid | Lab File ID: D0151.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 13:15

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.6(g) | Date Analyzed: 04/19/2012 01:18

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

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

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	42	U	420	42	63
95-94-3	1,2,4,5-Tetrachlorobenzene	84	U	420	84	62
120-82-1	1,2,4-Trichlorobenzene	42	U	420	42	35
95-50-1	1,2-Dichlorobenzene	42	U	420	42	28
122-66-7	1,2-Diphenylhydrazine	42	U	420	42	28
541-73-1	1,3-Dichlorobenzene	42	U	420	42	15
106-46-7	1,4-Dichlorobenzene	42	U	420	42	17
108-60-1	2,2'-oxybis[1-chloropropane]	42	U	420	42	29
58-90-2	2,3,4,6-Tetrachlorophenol	42	U	2000	42	170
95-95-4	2,4,5-Trichlorophenol	160	U	420	160	13
88-06-2	2,4,6-Trichlorophenol	83	U	420	83	13
120-83-2	2,4-Dichlorophenol	83	U	420	83	13
105-67-9	2,4-Dimethylphenol	160	U	420	160	83
51-28-5	2,4-Dinitrophenol	840	U	2000	840	420
121-14-2	2,4-Dinitrotoluene	160	U	420	160	83
87-65-0	2,6-Dichlorophenol	160	U	420	160	87
606-20-2	2,6-Dinitrotoluene	83	U	420	83	35
91-58-7	2-Chloronaphthalene	42	U	420	42	13
95-57-8	2-Chlorophenol	42	U	420	42	26
91-57-6	2-Methylnaphthalene	42	U	420	42	24
95-48-7	2-Methylphenol	42	U	420	42	16
88-74-4	2-Nitroaniline	83	U	2000	83	63
88-75-5	2-Nitrophenol	83	U	420	83	13
15831-10-4	3 & 4 Methylphenol	83	U	420	83	42
91-94-1	3,3'-Dichlorobenzidine	420	U	2000	420	110
99-09-2	3-Nitroaniline	170	U	2000	170	92
534-52-1	4,6-Dinitro-2-methylphenol	830	U	2000	830	420
101-55-3	4-Bromophenyl phenyl ether	42	U	420	42	24
59-50-7	4-Chloro-3-methylphenol	160	U	420	160	83
106-47-8	4-Chloroaniline	160	U	420	160	100
7005-72-3	4-Chlorophenyl phenyl ether	83	U	420	83	26
100-01-6	4-Nitroaniline	160	U	2000	160	91
100-02-7	4-Nitrophenol	420	U	2000	420	120
83-32-9	Acenaphthene	21	U	420	21	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA | Lab Sample ID: 280-27123-10

Matrix: Solid | Lab File ID: D0151.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 13:15

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.6(g) | Date Analyzed: 04/19/2012 01:18

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

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

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	42	U	420	42	21
98-86-2	Acetophenone	42	U	420	42	25
120-12-7	Anthracene	42	U	420	42	21
1912-24-9	Atrazine	160	U	420	160	47
100-52-7	Benzaldehyde	84	U	420	84	49
92-87-5	Benzidine	5000	U	5000	5000	1200
56-55-3	Benzo[a]anthracene	42	U	420	42	25
50-32-8	Benzo[a]pyrene	42	U	420	42	25
205-99-2	Benzo[b]fluoranthene	130	J K	420	42	33
191-24-2	Benzo[g,h,i]perylene	42	U	420	42	20
207-08-9	Benzo[k]fluoranthene	83	U K	420	83	50
65-85-0	Benzoic acid	830	U	2000	830	420
100-51-6	Benzyl alcohol	26	J	420	42	13
111-91-1	Bis(2-chloroethoxy)methane	83	U	420	83	29
111-44-4	Bis(2-chloroethyl)ether	42	U	420	42	21
117-81-7	Bis(2-ethylhexyl) phthalate	110	J	420	83	58
85-68-7	Butyl benzyl phthalate	83	U	420	83	54
105-60-2	Caprolactam	420	U	2000	420	130
86-74-8	Carbazole	84	U	420	84	45
218-01-9	Chrysene	42	U	420	42	34
53-70-3	Dibenz(a,h)anthracene	42	U	420	42	24
132-64-9	Dibenzofuran	42	U	420	42	25
84-66-2	Diethyl phthalate	42	U	830	42	33
131-11-3	Dimethyl phthalate	42	U	420	42	29
84-74-2	Di-n-butyl phthalate	42	U	420	42	37
117-84-0	Di-n-octyl phthalate	83	U	420	83	18
206-44-0	Fluoranthene	83	U	420	83	45
86-73-7	Fluorene	42	U	420	42	23
118-74-1	Hexachlorobenzene	83	U	420	83	37
87-68-3	Hexachlorobutadiene	83	U	420	83	13
77-47-4	Hexachlorocyclopentadiene	83	U	2100	83	63
67-72-1	Hexachloroethane	42	U	420	42	27
193-39-5	Indeno[1,2,3-cd]pyrene	42	U	420	42	28
78-59-1	Isophorone	42	U	420	42	21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA | Lab Sample ID: 280-27123-10

Matrix: Solid | Lab File ID: D0151.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 13:15

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 30.6(g) | Date Analyzed: 04/19/2012 01:18

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

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

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	83	U	420	83	39
98-95-3	Nitrobenzene	42	U	420	42	28
62-75-9	N-Nitrosodimethylamine	83	U	660	83	47
621-64-7	N-Nitrosodi-n-propylamine	83	U	420	83	39
86-30-6	N-Nitrosodiphenylamine	42	U	420	42	26
930-55-2	N-Nitrosopyrrolidine	160	U	420	160	81
87-86-5	Pentachlorophenol	840	U	2000	840	420
85-01-8	Phenanthrene	42	U	420	42	21
108-95-2	Phenol	42	U	420	42	23
129-00-0	Pyrene	42	U	500	42	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		35-125
321-60-8	2-Fluorobiphenyl	65		45-105
367-12-4	2-Fluorophenol (Surr)	69		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	63		35-100
4165-62-2	Phenol-d5 (Surr)	68		40-100
1718-51-0	Terphenyl-d14 (Surr)	82		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0151.D
Lab Smp Id: 280-27123-A-10-D Client Smp ID: UNK10702AA
Inj Date : 19-APR-2012 01:18
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-10-d
Misc Info : 280-27123-A-10-D
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 37
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.600	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	26 1,4-Dichlorobenzene-d4	152	4.016	4.020	(1.000)	230257	40.0000	
*	58 Naphthalene-d8	136	5.192	5.190	(1.000)	852615	40.0000	
*	96 Acenaphthene-d10	164	6.864	6.867	(1.000)	537833	40.0000	
*	135 Phenanthrene-d10	188	8.194	8.198	(1.000)	965222	40.0000	
*	166 Chrysene-d12	240	10.486	10.521	(1.000)	1145972	40.0000	
*	179 Perylene-d12	264	11.741	11.819	(1.000)	1084530	40.0000	
$	8 2-Fluorophenol	112	2.964	2.953	(0.738)	783800	103.744	3390.32
$	15 Phenol-d5	99	3.653	3.653	(0.910)	999823	102.533	3350.74
$	43 Nitrobenzene-d5	82	4.513	4.513	(0.869)	644380	63.3739	2071.04
$	81 2-Fluorobiphenyl	172	6.212	6.212	(0.905)	1280436	65.3336	2135.09
$	118 2,4,6-Tribromophenol	330	7.579	7.585	(1.104)	375771	122.365	3998.85
$	154 Terphenyl-d14	244	9.535	9.546	(0.909)	1904893	82.1848	2685.78
$	29 1,2-Dichlorobenzene-d4	152	4.155	4.161	(1.035)	363983	59.8472	1955.79
$	22 2-Chlorophenol-d4	132	3.824	3.824	(0.952)	801652	99.2119	3242.22
	4 1,4-Dioxane	88	Compound Not Detected.					
	5 N-Nitrosodimethylamine	74	Compound Not Detected.					
	6 Pyridine	79	Compound Not Detected.					
	9 2-Picoline	93	Compound Not Detected.					
	10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
	11 Methyl methanesulfonate	80	Compound Not Detected.					
	12 N-Nitrosodiethylamine	102	Compound Not Detected.					
	13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	4.118	4.113	(1.025)	3117	0.61774	20.1874(a)
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	Compound Not Detected.					
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	10.363	10.406	(0.988)	6716	2.65841	86.8760(aQH)
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	11.399	11.490	(0.971)	11932	3.10545	101.485(aQH)
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

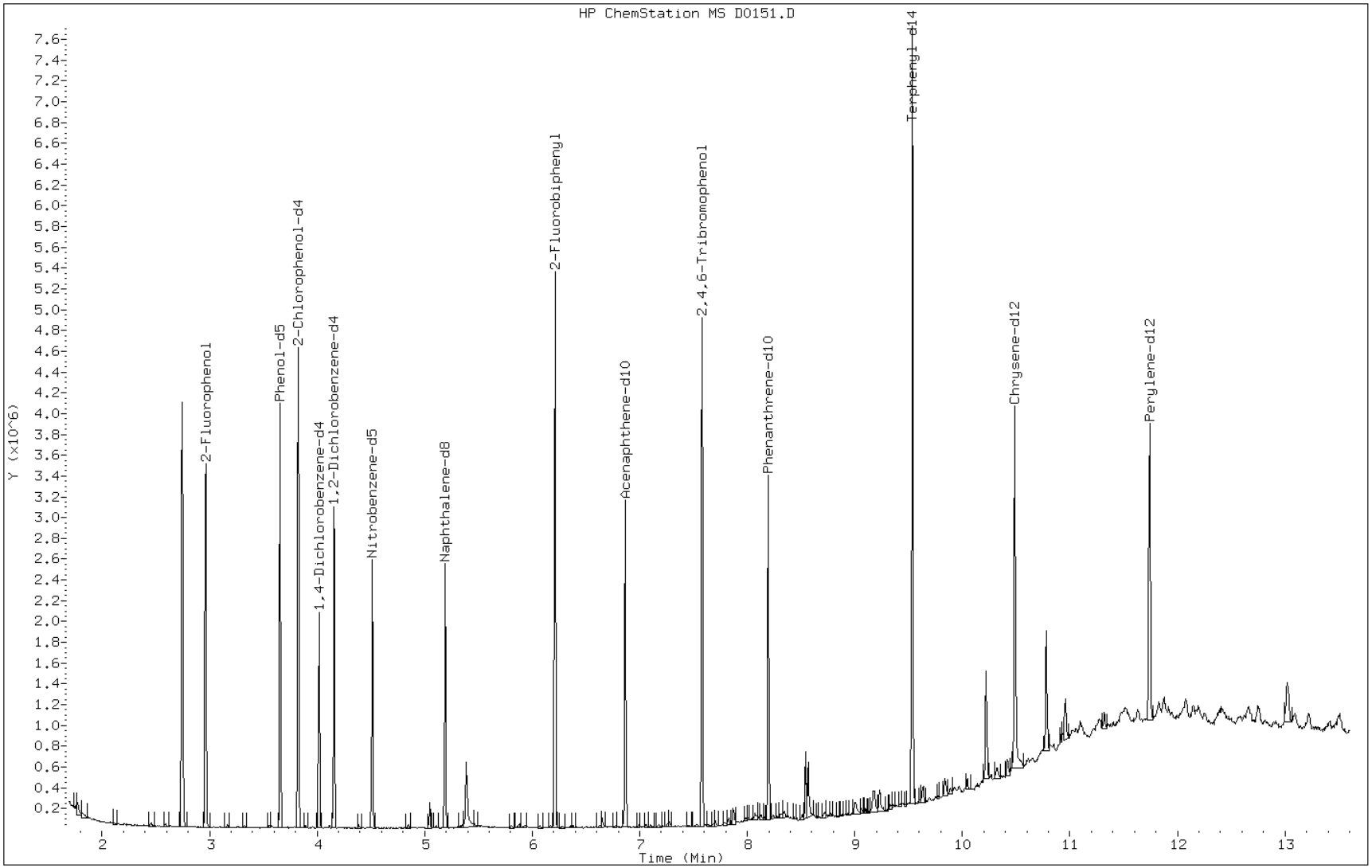
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0151.D

Date: 19-APR-2012 01:18

Client ID: UNK10702AA Instrument: D.i

Sample Info: 280-27123-a-10-d Operator: hoffmanm



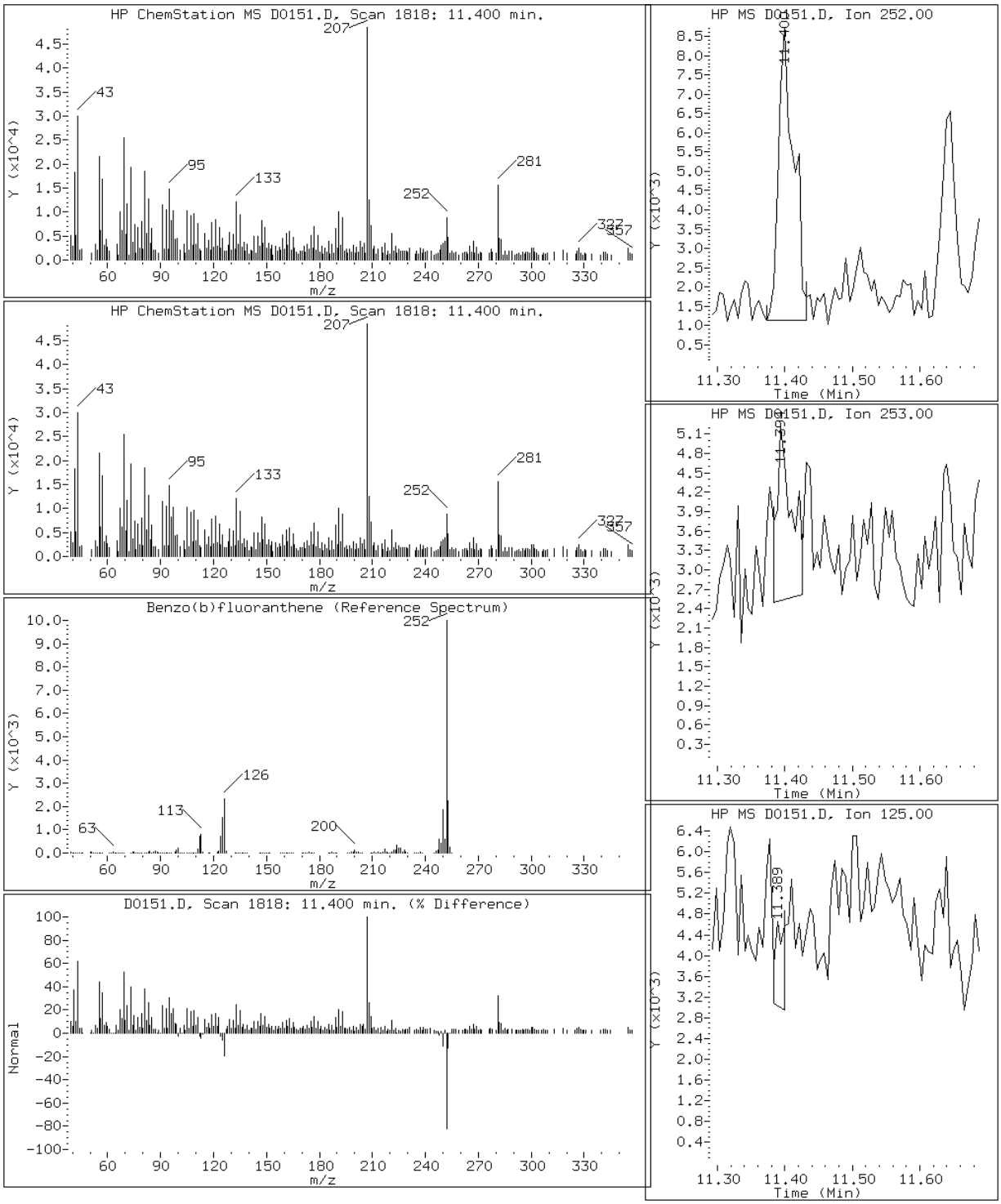
Data File: D0151.D

Date: 19-APR-2012 01:18

Client ID: UNK10702AA Instrument: D.i

Sample Info: 280-27123-a-10-d Operator: hoffmanm

171 Benzo(b)fluoranthene



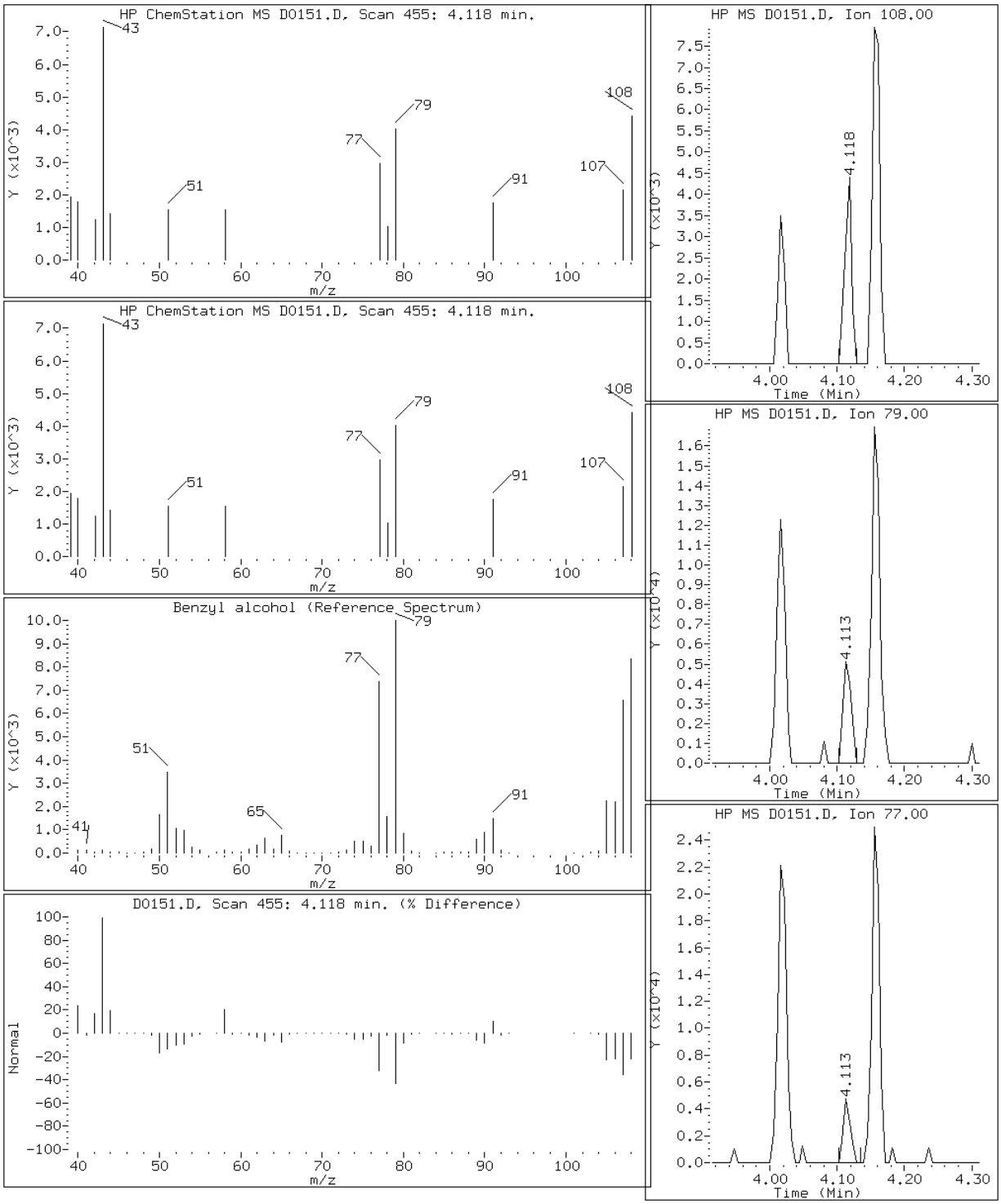
Data File: D0151.D

Date: 19-APR-2012 01:18

Client ID: UNK10702AA Instrument: D.i

Sample Info: 280-27123-a-10-d Operator: hoffmanm

28 Benzyl alcohol



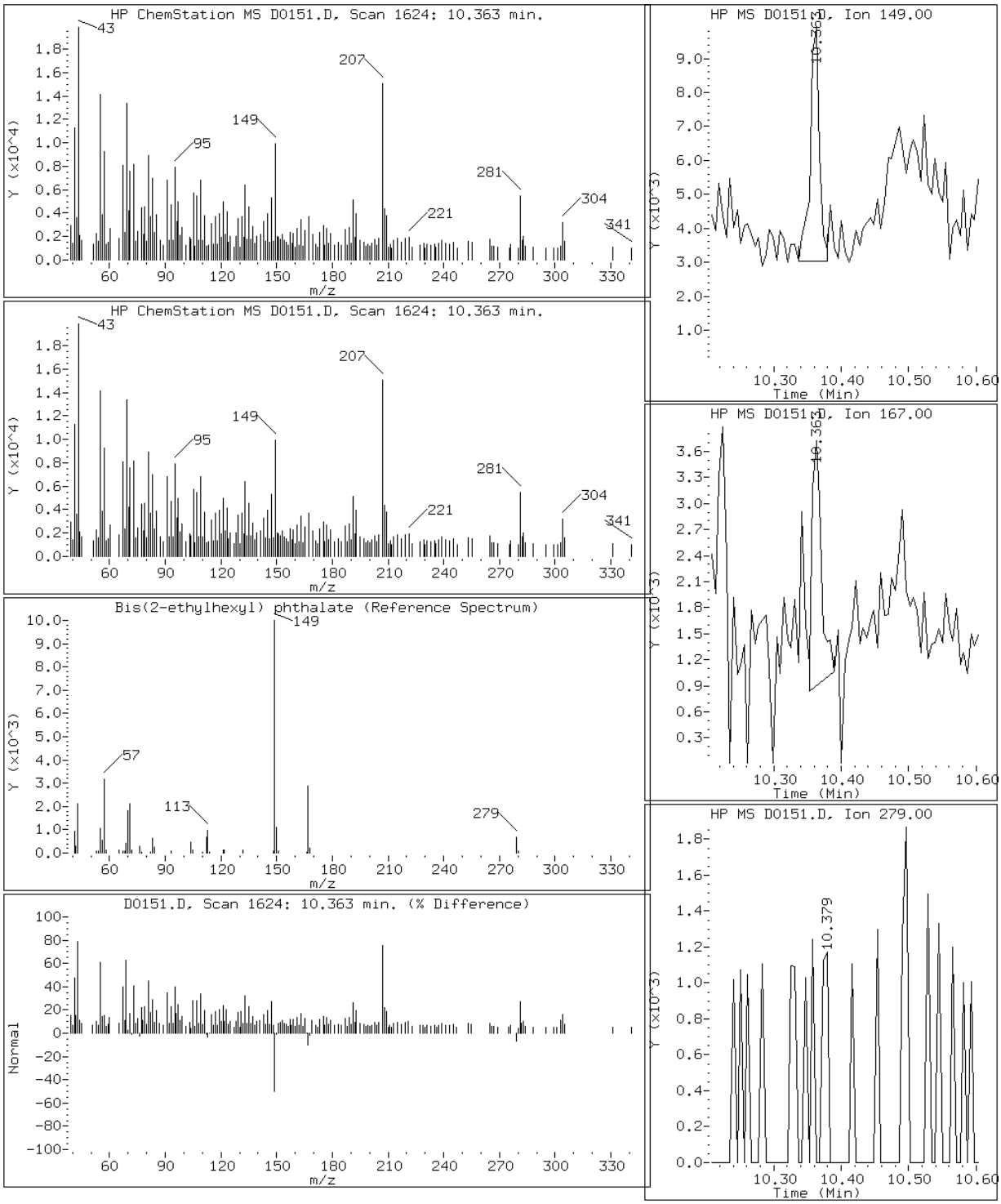
Data File: D0151.D

Date: 19-APR-2012 01:18

Client ID: UNK10702AA Instrument: D.i

Sample Info: 280-27123-a-10-d Operator: hoffmanm

162 Bis(2-ethylhexyl) phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AE | Lab Sample ID: 280-27123-11

Matrix: Water | Lab File ID: D0126.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 14:10

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1022.3(mL) | Date Analyzed: 04/18/2012 17:24

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	2.0	U	9.8	2.0	1.7
95-94-3	1,2,4,5-Tetrachlorobenzene	2.0	U	9.8	2.0	1.7
120-82-1	1,2,4-Trichlorobenzene	0.98	U	9.8	0.98	0.27
95-50-1	1,2-Dichlorobenzene	0.98	U	9.8	0.98	0.22
122-66-7	1,2-Diphenylhydrazine	0.98	U	9.8	0.98	0.22
541-73-1	1,3-Dichlorobenzene	0.98	U	9.8	0.98	0.29
106-46-7	1,4-Dichlorobenzene	0.98	U	9.8	0.98	0.31
108-60-1	2,2'-oxybis[1-chloropropane]	0.98	U	9.8	0.98	0.27
58-90-2	2,3,4,6-Tetrachlorophenol	2.0	U	49	2.0	2.0
95-95-4	2,4,5-Trichlorophenol	0.98	U	20	0.98	0.44
88-06-2	2,4,6-Trichlorophenol	0.98	U	20	0.98	0.28
120-83-2	2,4-Dichlorophenol	2.0	U	9.8	2.0	0.63
105-67-9	2,4-Dimethylphenol	3.9	U	9.8	3.9	0.57
51-28-5	2,4-Dinitrophenol	20	U	78	20	9.8
121-14-2	2,4-Dinitrotoluene	3.9	U	20	3.9	1.6
87-65-0	2,6-Dichlorophenol	3.9	U	9.8	3.9	1.3
606-20-2	2,6-Dinitrotoluene	3.9	U	20	3.9	1.8
91-58-7	2-Chloronaphthalene	0.98	U	9.8	0.98	0.25
95-57-8	2-Chlorophenol	3.9	U	9.8	3.9	2.0
91-57-6	2-Methylnaphthalene	0.98	U	9.8	0.98	0.28
95-48-7	2-Methylphenol	3.9	U	9.8	3.9	0.96
88-74-4	2-Nitroaniline	3.9	U	49	3.9	1.7
88-75-5	2-Nitrophenol	0.98	U	20	0.98	0.38
15831-10-4	3 & 4 Methylphenol	0.98	U	20	0.98	0.24
91-94-1	3,3'-Dichlorobenzidine	9.8	U	49	9.8	2.0
99-09-2	3-Nitroaniline	2.0	U	49	2.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	9.8	U	78	9.8	3.9
101-55-3	4-Bromophenyl phenyl ether	0.98	U	9.8	0.98	0.42
59-50-7	4-Chloro-3-methylphenol	4.9	U	20	4.9	2.4
106-47-8	4-Chloroaniline	4.9	U	24	4.9	2.1
7005-72-3	4-Chlorophenyl phenyl ether	3.9	U	9.8	3.9	1.6
100-01-6	4-Nitroaniline	3.9	U	49	3.9	2.0
100-02-7	4-Nitrophenol	9.8	U	49	9.8	1.2
83-32-9	Acenaphthene	0.98	U	9.8	0.98	0.27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AE | Lab Sample ID: 280-27123-11

Matrix: Water | Lab File ID: D0126.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 14:10

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1022.3(mL) | Date Analyzed: 04/18/2012 17:24

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	0.98	U	9.8	0.98	0.48
98-86-2	Acetophenone	0.24	J	9.8	4.9	0.23
120-12-7	Anthracene	0.98	U	9.8	0.98	0.41
1912-24-9	Atrazine	9.8	U	49	9.8	0.71
100-52-7	Benzaldehyde	2.0	U	9.8	2.0	2.0
92-87-5	Benzidine	98	U	200	98	49
56-55-3	Benzo[a]anthracene	0.98	U	9.8	0.98	0.34
50-32-8	Benzo[a]pyrene	0.98	U	9.8	0.98	0.30
205-99-2	Benzo[b]fluoranthene	0.98	U	9.8	0.98	0.52
191-24-2	Benzo[g,h,i]perylene	0.98	U	9.8	0.98	0.49
207-08-9	Benzo[k]fluoranthene	0.98	U	9.8	0.98	0.45
65-85-0	Benzoic acid	49	U	78	49	9.8
100-51-6	Benzyl alcohol	0.98	U	24	0.98	0.22
111-91-1	Bis(2-chloroethoxy)methane	3.9	U	9.8	3.9	0.95
111-44-4	Bis(2-chloroethyl)ether	0.98	U	20	0.98	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	0.98	U	9.8	0.98	0.55
85-68-7	Butyl benzyl phthalate	3.9	U	20	3.9	0.98
105-60-2	Caprolactam	9.8	U	34	9.8	4.9
86-74-8	Carbazole	0.98	U	9.8	0.98	0.42
218-01-9	Chrysene	0.98	U	9.8	0.98	0.53
53-70-3	Dibenz(a,h)anthracene	0.98	U	9.8	0.98	0.50
132-64-9	Dibenzofuran	0.98	U	9.8	0.98	0.28
84-66-2	Diethyl phthalate	0.98	U	20	0.98	0.37
131-11-3	Dimethyl phthalate	0.98	U	20	0.98	0.21
84-74-2	Di-n-butyl phthalate	3.9	U	20	3.9	1.1
117-84-0	Di-n-octyl phthalate	0.98	U	20	0.98	0.34
206-44-0	Fluoranthene	0.98	U	20	0.98	0.20
86-73-7	Fluorene	0.98	U	9.8	0.98	0.30
118-74-1	Hexachlorobenzene	0.98	U	9.8	0.98	0.65
87-68-3	Hexachlorobutadiene	9.8	U	29	9.8	3.2
77-47-4	Hexachlorocyclopentadiene	20	U	49	20	1.5
67-72-1	Hexachloroethane	3.9	U	9.8	3.9	2.1
193-39-5	Indeno[1,2,3-cd]pyrene	0.98	U	9.8	0.98	0.64
78-59-1	Isophorone	0.98	U	9.8	0.98	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AE | Lab Sample ID: 280-27123-11

Matrix: Water | Lab File ID: D0126.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 14:10

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1022.3(mL) | Date Analyzed: 04/18/2012 17:24

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	0.98	U	9.8	0.98	0.28
98-95-3	Nitrobenzene	2.0	U	20	2.0	0.79
62-75-9	N-Nitrosodimethylamine	0.98	U	9.8	0.98	0.28
621-64-7	N-Nitrosodi-n-propylamine	0.98	U	20	0.98	0.34
86-30-6	N-Nitrosodiphenylamine	0.98	U	9.8	0.98	0.43
930-55-2	N-Nitrosopyrrolidine	3.9	U	9.8	3.9	0.79
87-86-5	Pentachlorophenol	39	U	78	39	20
85-01-8	Phenanthrene	0.98	U	9.8	0.98	0.25
108-95-2	Phenol	4.9	U	9.8	4.9	2.0
129-00-0	Pyrene	0.98	U	9.8	0.98	0.36

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	85		40-125
321-60-8	2-Fluorobiphenyl	84		50-110
367-12-4	2-Fluorophenol (Surr)	88		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	87		40-110
4165-62-2	Phenol-d5 (Surr)	91		10-115
1718-51-0	Terphenyl-d14 (Surr)	111		50-135

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0126.D
Lab Smp Id: 280-27123-A-11-A Client Smp ID: 032712AE
Inj Date : 18-APR-2012 17:24
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-11-a
Misc Info : 280-27123-A-11-A
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1022.300	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.018	4.020	(1.000)	203777	40.0000	
* 58 Naphthalene-d8	136	5.193	5.190	(1.000)	747949	40.0000	
* 96 Acenaphthene-d10	164	6.865	6.867	(1.000)	469514	40.0000	
* 135 Phenanthrene-d10	188	8.195	8.198	(1.000)	861077	40.0000	
* 166 Chrysene-d12	240	10.508	10.521	(1.000)	955877	40.0000	
* 179 Perylene-d12	264	11.790	11.819	(1.000)	847111	40.0000	
$ 8 2-Fluorophenol	112	2.955	2.953	(0.735)	887453	132.727	129.832
$ 15 Phenol-d5	99	3.649	3.653	(0.908)	1184148	137.215	134.222
$ 43 Nitrobenzene-d5	82	4.514	4.513	(0.869)	777159	87.1283	85.2278
$ 81 2-Fluorobiphenyl	172	6.213	6.212	(0.905)	1444436	84.4260	82.5844
$ 118 2,4,6-Tribromophenol	330	7.581	7.585	(1.104)	344255	127.626	124.842
$ 154 Terphenyl-d14	244	9.541	9.546	(0.908)	2144355	110.915	108.495
$ 29 1,2-Dichlorobenzene-d4	152	4.157	4.161	(1.035)	419769	77.9886	76.2874
$ 22 2-Chlorophenol-d4	132	3.820	3.824	(0.951)	970829	135.762	132.800
4 1,4-Dioxane	88	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
6 Pyridine	79	Compound Not Detected.					
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
14 Benzaldehyde	106	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
24 Pentachloroethane	117	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
28 Benzyl alcohol	108	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
39 N-Nitrosopyrrolidine	100	Compound Not Detected.					
38 Acetophenone	105	4.360	4.364	(1.085)	2394	0.24074	0.235492(a)
40 N-Nitrosomorpholine	116	Compound Not Detected.					
42 o-Toluidine	106	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
46 N-Nitrosopiperidine	114	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
51 O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
55 a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61 2,6-Dichlorophenol	162	Compound Not Detected.					
63 Hexachloropropene	213	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
64 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66 p-Phenylenediamine	108	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
70 Safrole	162	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
75 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
76 Isosafrole (#1)	162	Compound Not Detected.					
84 Isosafrole (#2)	104	Compound Not Detected.					
87 1-Chloronaphthalene	162	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	Compound Not Detected.					
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	Compound Not Detected.					
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	Compound Not Detected.					
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

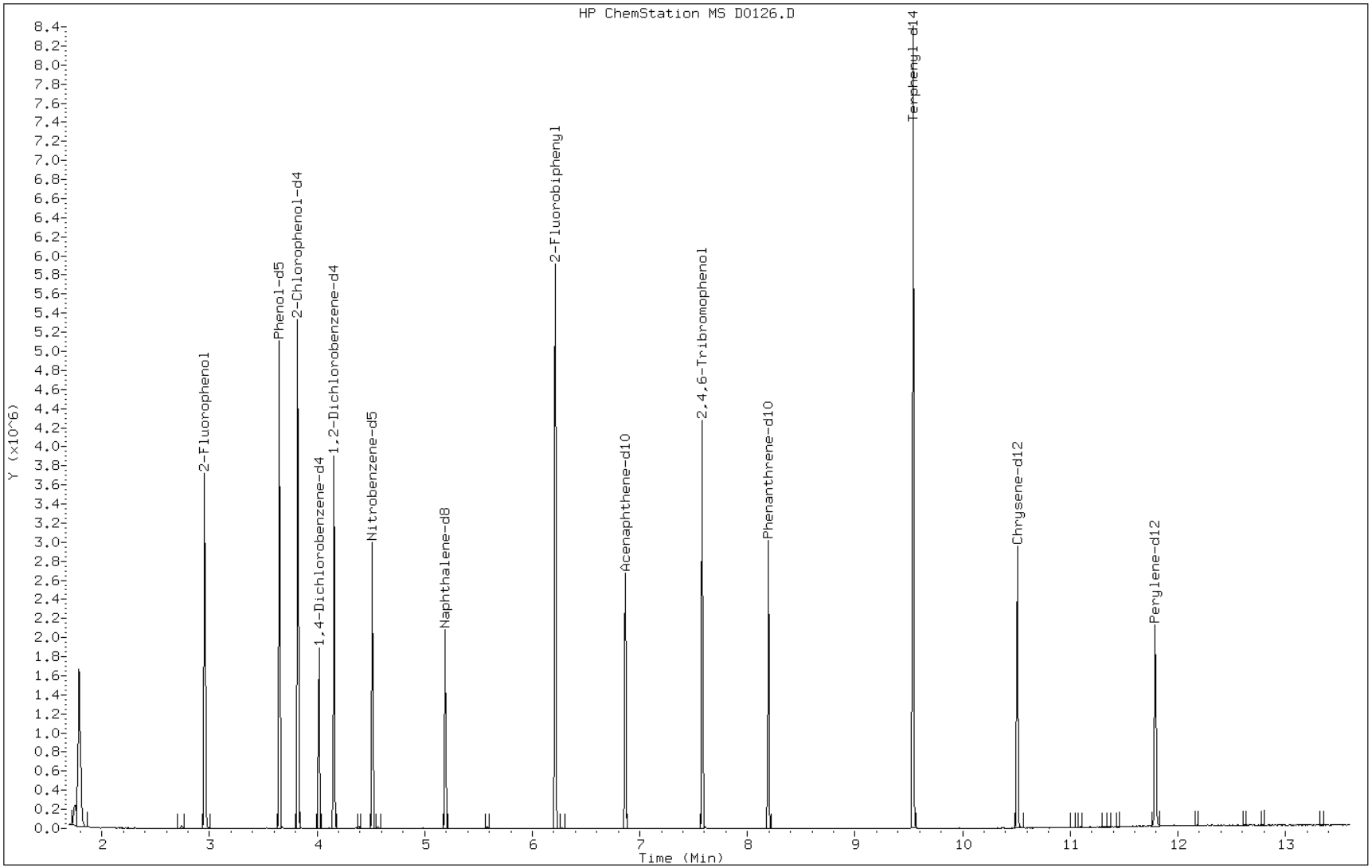
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: D0126.D

Date: 18-APR-2012 17:24

Client ID: 032712AE Instrument: D.i

Sample Info: 280-27123-a-11-a Operator: hoffmanm



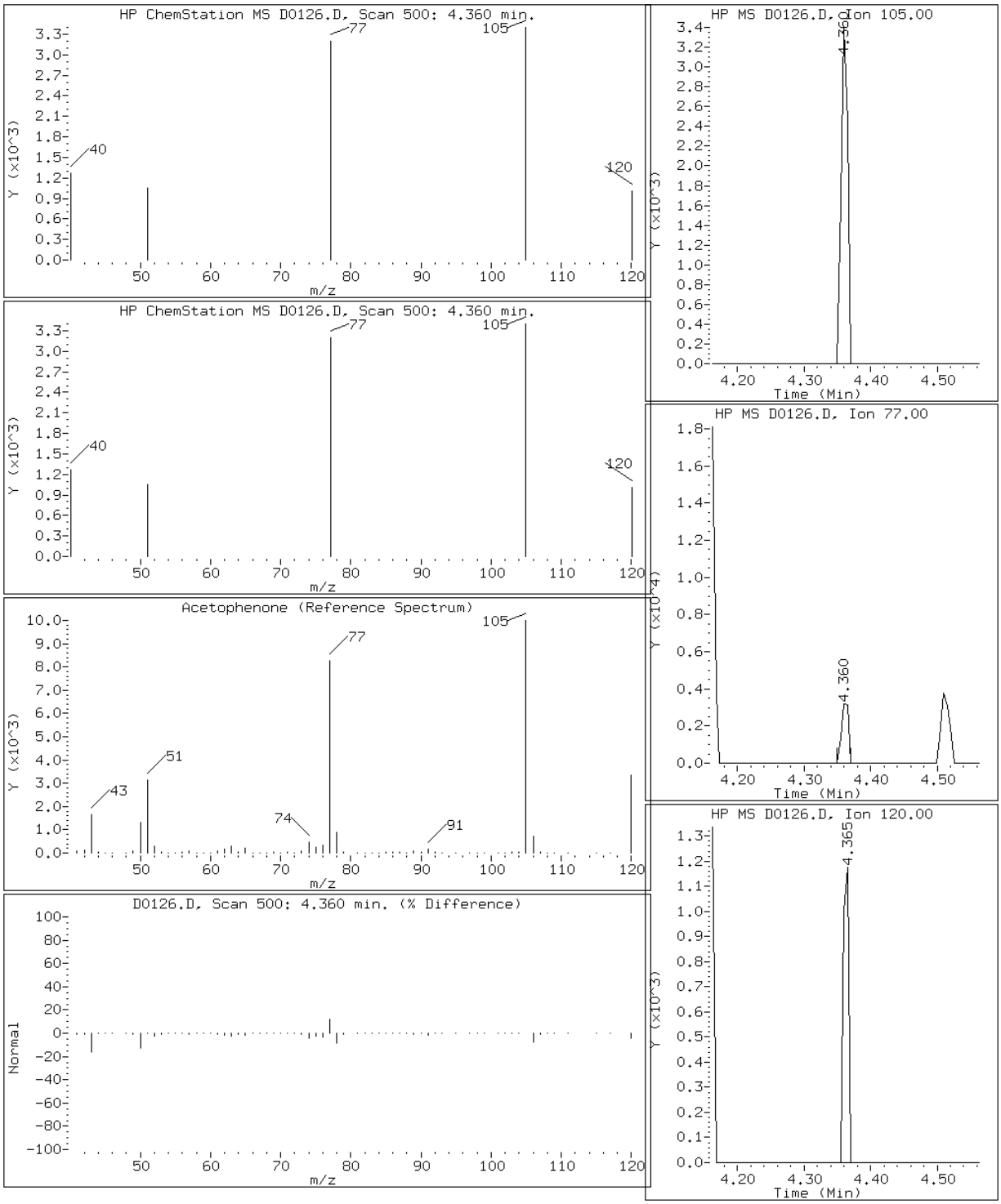
Data File: D0126.D

Date: 18-APR-2012 17:24

Client ID: 032712AE Instrument: D.i

Sample Info: 280-27123-a-11-a Operator: hoffmanm

38 Acetophenone



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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 115987

SDG No.:

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

Calibration Start Date: 04/18/2012 07:24 Calibration End Date: 04/18/2012 09:14 Calibration ID: 9102

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-115987/8	D0100.D
Level 2	IC 280-115987/7	D0099.D
Level 3	IC 280-115987/6	D0098.D
Level 4	ICIS 280-115987/5	D0097.D
Level 5	IC 280-115987/4	D0096.D
Level 6	IC 280-115987/3	D0095.D
Level 7	IC 280-115987/2	D0094.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Picoline	1.3898 1.4546	1.3594 1.4712	1.4104	1.3949	1.4400	Ave		1.4172				2.8		15.0			
N-Nitrosomethylethylamine	0.6267 0.6521	0.5829 0.6495	0.6278	0.6336	0.6438	Ave		0.6309				3.7		15.0			
Methyl methanesulfonate	0.4090 0.4754	0.3923 0.4677	0.4273	0.4455	0.4708	Ave		0.4411				7.4		15.0			
N-Nitrosodiethylamine	0.5445 0.6724	0.6179 0.6661	0.6290	0.6445	0.6711	Ave		0.6351				7.1		15.0			
Ethyl methanesulfonate	1.0694 1.1240	1.1004 1.1429	1.0800	1.0949	1.1315	Ave		1.1061				2.5		15.0			
Pentachloroethane	0.5302 0.5897	0.5131 0.6040	0.5562	0.5610	0.5837	Ave		0.5626				5.8		15.0			
N-Nitrosopyrrolidine	0.5898 0.7281	0.6363 0.7688	0.6706	0.6999	0.7313	Ave		0.6893				8.9		15.0			
N-Nitrosomorpholine	0.2804 0.2936	0.2520 0.3023	0.2700	0.2789	0.2877	Ave		0.2807				5.9		15.0			
2-Toluidine	2.0165 2.2738	2.0225 2.3881	2.1005	2.1296	2.2240	Ave		2.1650				6.3		15.0			
N-Nitrosopiperidine	0.1594 0.1792	0.1614 0.1790	0.1717	0.1751	0.1770	Ave		0.1718				4.8		15.0			
o,o',o''-Triethylphosphorothioate	0.1951 0.2379	0.2041 0.2416	0.2084	0.2205	0.2248	Ave		0.2189				7.9		15.0			
alpha,alpha-Dimethyl phenethylamine	0.5116 0.6436	0.5582 0.6285	0.5492	0.5682	0.5789	Ave		0.5769				7.9		15.0			
2,6-Dichlorophenol	0.2654 0.3412	0.2803 0.3504	0.2979	0.3116	0.3202	Ave		0.3096				10.0		15.0			
Hexachloropropene	0.2956 0.3866	0.3200 0.3894	0.3509	0.3655	0.3652	Ave		0.3533				9.8		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 115987

SDG No.:

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

Calibration Start Date: 04/18/2012 07:24 Calibration End Date: 04/18/2012 09:14 Calibration ID: 9102

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodi-n-butylamine	0.2329 0.2673	0.2306 0.2718	0.2599	0.2652	0.2661	Ave		0.2562				6.7		15.0			
p-Phenylene diamine	0.3809 0.4497	0.4135 0.4295	0.4411	0.4510	0.4463	Ave		0.4303				5.9		15.0			
Safrole, Total	0.2628 0.3320	0.2748 0.3413	0.2946	0.3117	0.3157	Ave		0.3047				9.5		15.0			
1,2,4,5-Tetrachlorobenzene	0.3962 0.4741	0.3923 0.4891	0.4139	0.4399	0.4496	Ave		0.4364				8.6		15.0			
1,1'-Biphenyl	1.3999 1.6551	1.3924 1.7719	1.4261	1.5270	1.5765	Ave		1.5355				9.3		15.0			
1,4-Naphthoquinone	0.1753 0.2363	0.2303	0.2584	0.2717	0.2498	Ave		0.2370				14.2		15.0			
1,4-Dinitrobenzene	0.1305 0.2123	0.1572 0.2164	0.1797	0.1971	0.2021	Lin2	0.1034	0.2105							0.9972		0.9900
1,3-Dinitrobenzene	0.1558 0.2311	0.1932 0.2387	0.2108	0.2182	0.2222	Ave		0.2100				13.3		15.0			
Pentachlorobenzene	0.5411 0.6941	0.5552 0.7439	0.5845	0.6238	0.6559	Ave		0.6284				11.9		15.0			
1-Naphthylamine	1.0166 1.3662	1.0971 1.4507	1.1534	1.2471	1.3133	Ave		1.2349				12.5		15.0			
2,3,4,6-Tetrachlorophenol	0.2817 0.4203	0.2946 0.4469	0.3404	0.3679	0.3946	Qua	0.0855	2.7826	-0.263						0.9999		0.9900
2-Naphthylamine	1.0693 1.3097	1.0669 1.3796	1.1580	1.2396	1.2704	Ave		1.2134				9.9		15.0			
Thionazin	0.2703 0.3460	0.2889 0.3667	0.3138	0.3361	0.3374	Ave		0.3227				10.5		15.0			
N-Nitro-o-toluidine	0.2563 0.4053	0.3184 0.4196	0.3543	0.3761	0.3906	Lin2	0.0973	0.4062							0.9981		0.9900
Diphenylamine	1.0550 1.3409	1.1094 1.4345	1.1320	1.2188	1.2804	Ave		1.2244				11.1		15.0			
Sulfotepp	0.1263 0.1684	0.1401 0.1741	0.1491	0.1578	0.1610	Ave		0.1538				10.8		15.0			
Diallate Peak 1	0.2916 0.3663	0.3081 0.3798	0.3307	0.3442	0.3504	Ave		0.3387				9.2					
1,3,5-Trinitrobenzene	0.0380 0.1034	0.0571 0.1160	0.0803	0.0904	0.0969	Qua	0.1579	11.276	-5.013						0.9998		0.9900
Phorate	0.1078 0.1550	0.1243 0.1619	0.1331	0.1413	0.1445	Ave		0.1383				13.3		15.0			
Phenacetin	0.2620 0.3938	0.2966 0.4150	0.3559	0.3869	0.3971	Lin2	0.0981	0.4046							0.9973		0.9900

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 115987

SDG No.:

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

Calibration Start Date: 04/18/2012 07:24 Calibration End Date: 04/18/2012 09:14 Calibration ID: 9102

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Diallate Peak 2	0.1520 0.1684	0.1599 0.1764	0.1635	0.1635	0.1682	Ave		0.1646				4.6					
Dimethoate	0.1653 0.1599	0.1885 0.1736	0.1970	0.1935	0.1658	Ave		0.1777				8.5		15.0			
4-Aminobiphenyl	0.6931 1.0575	0.7535 1.1131	0.8370	0.9311	0.9753	Lin1	0.1377	1.0805							0.9938		0.9900
Pronamide	0.3032 0.4894	0.3305 0.5188	0.3857	0.4251	0.4561	Qua	0.1042	2.3882	-0.196						0.9998		0.9900
Pentachloronitrobenzene	0.1162 0.1903	0.1317 0.2036	0.1457	0.1644	0.1760	Qua	0.1010	6.2522	-1.431						0.9997		0.9900
Disulfoton	0.2806 0.3912	0.3064 0.4080	0.3437	0.3571	0.3699	Ave		0.3510				12.9		15.0			
Methyl parathion	+++++ 0.1775	0.1898 0.1893	0.2105	0.2062	0.1854	Ave		0.1931				6.6		15.0			
Ethyl Parathion	+++++ 0.1676	0.1210 0.1750	0.1435	0.1574	0.1600	Ave		0.1541				12.6		15.0			
4-Nitroquinoline-1-oxide	+++++ 0.1239	0.0755 0.1279	0.1003	0.1190	0.1180	Lin2	0.2185	0.1302							0.9982		0.9900
Methapyrilene	0.2745 0.2456	0.3022 0.2919	0.2869	0.2689	0.2476	Ave		0.2740				7.9		15.0			
Isodrin	0.1231 0.1592	0.1375 0.1702	0.1420	0.1497	0.1536	Ave		0.1479				10.4		15.0			
Aramite Peak 1	+++++ 0.0847	0.0623 0.0837	0.0758	0.0825	0.0829	Ave		0.0786				11.0					
Aramite Peak 2	+++++ 0.1517	0.1164 0.1482	0.1384	0.1430	0.1484	Ave		0.1410				9.2					
p-Dimethylamino azobenzene	+++++ 0.3370	0.2522 0.3440	0.2932	0.3161	0.3253	Ave		0.3113				10.9		15.0			
Ethyl 4,4'-Dichlorobenzilate	0.2472 0.3792	0.2647 0.3976	0.3045	0.3310	0.3525	Lin1	0.1388	0.3873							0.9944		0.9900
3,3'-Dimethylbenzidine	+++++ 0.7078	0.5629 0.7381	0.6361	0.6792	0.6789	Ave		0.6671				9.2		15.0			
2-Acetylaminofluorene	+++++ 0.4542	0.2651 0.4712	0.3573	0.3985	0.4252	Lin2	0.2307	0.4696							0.9969		0.9900
7,12-Dimethylbenz(a)anthracene	+++++ 0.8003	0.5396 0.8415	0.6112	0.6794	0.7321	Lin2	0.1884	0.8074							0.9914		0.9900
3-Methylcholanthrene	+++++ 0.7787	0.5362 0.8284	0.6065	0.6688	0.7192	Lin2	0.1827	0.7909							0.9919		0.9900

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 115987

SDG No.:

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

Calibration Start Date: 04/18/2012 07:24 Calibration End Date: 04/18/2012 09:14 Calibration ID: 9102

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-115987/8	D0100.D
Level 2	IC 280-115987/7	D0099.D
Level 3	IC 280-115987/6	D0098.D
Level 4	ICIS 280-115987/5	D0097.D
Level 5	IC 280-115987/4	D0096.D
Level 6	IC 280-115987/3	D0095.D
Level 7	IC 280-115987/2	D0094.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Picoline	DCB	Ave	70204 1262901	139326 1627596	369737	590837	916726	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosomethylethylamine	DCB	Ave	31660 566203	59743 718522	164582	268374	409886	10.0 160	20.0 200	50.0	80.0	120
Methyl methanesulfonate	DCB	Ave	20659 412760	40208 517432	112012	188701	299717	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosodiethylamine	DCB	Ave	27504 583779	63323 736876	164876	272995	427255	10.0 160	20.0 200	50.0	80.0	120
Ethyl methanesulfonate	DCB	Ave	54019 975908	112773 1264391	283105	463780	720342	10.0 160	20.0 200	50.0	80.0	120
Pentachloroethane	DCB	Ave	26784 512025	52584 668176	145801	237638	371568	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosopyrrolidine	DCB	Ave	29793 632168	65215 850555	175800	296458	465556	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosomorpholine	DCB	Ave	14166 254871	25827 334449	70785	118124	183135	10.0 160	20.0 200	50.0	80.0	120
2-Toluidine	DCB	Ave	101867 1974213	207286 2642045	550634	902048	1415862	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosopiperidine	NPT	Ave	29442 564094	60240 731603	163744	264832	418693	10.0 160	20.0 200	50.0	80.0	120
o,o',o''-Triethylphosphorothioate	NPT	Ave	36045 748963	76168 987679	198765	333445	531676	10.0 160	20.0 200	50.0	80.0	120
alpha,alpha-Dimethyl phenethylamine	NPT	Ave	94510 2026384	208351 2569156	523859	859355	1369352	10.0 160	20.0 200	50.0	80.0	120
2,6-Dichlorophenol	NPT	Ave	49019 1074256	104610 1432135	284162	471260	757535	10.0 160	20.0 200	50.0	80.0	120
Hexachloropropene	NPT	Ave	54599 1217106	119425 1591683	334642	552819	863979	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosodi-n-butylamine	NPT	Ave	43017 841580	86064 1111019	247851	401119	629448	10.0 160	20.0 200	50.0	80.0	120

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 115987

SDG No.:

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

Calibration Start Date: 04/18/2012 07:24 Calibration End Date: 04/18/2012 09:14 Calibration ID: 9102

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
p-Phenylene diamine	NPT	Ave	70361 1415797	154353 1755644	420731	682050	1055654	10.0 160	20.0 200	50.0	80.0	120
Safrole, Total	NPT	Ave	48546 1045243	102585 1395069	281003	471454	746753	10.0 160	20.0 200	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	NPT	Ave	73180 1492900	146421 1999198	394784	665341	1063463	10.0 160	20.0 200	50.0	80.0	120
1,1'-Biphenyl	ANT	Ave	161149 3195938	326161 4316379	858106	1452720	2285714	10.0 160	20.0 200	50.0	80.0	120
1,4-Naphthoquinone	ANT	Ave	20183 456325	53942	155474	258488	362222	10.0 160	20.0	50.0	80.0	120
1,4-Dinitrobenzene	ANT	Lin2	15022 410040	36821 527203	108131	187485	293043	10.0 160	20.0 200	50.0	80.0	120
1,3-Dinitrobenzene	ANT	Ave	17931 446185	45245 581399	126875	207588	322156	10.0 160	20.0 200	50.0	80.0	120
Pentachlorobenzene	ANT	Ave	62290 1340365	130044 1812066	351720	593485	951006	10.0 160	20.0 200	50.0	80.0	120
1-Naphthylamine	ANT	Ave	117026 2638120	256973 3533814	694008	1186421	1904233	10.0 160	20.0 200	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Qua	32430 811552	69008 1088547	204836	349985	572117	10.0 160	20.0 200	50.0	80.0	120
2-Naphthylamine	ANT	Ave	123100 2529026	249912 3360757	696804	1179285	1841913	10.0 160	20.0 200	50.0	80.0	120
Thionazin	ANT	Ave	31112 668170	67661 893317	188815	319771	489260	10.0 160	20.0 200	50.0	80.0	120
N-Nitro-o-toluidine	ANT	Lin2	29504 782639	74577 1022158	213208	357842	566300	10.0 160	20.0 200	50.0	80.0	120
Diphenylamine	ANT	Ave	121444 2589161	259874 3494284	681174	1159536	1856502	10.0 160	20.0 200	50.0	80.0	120
Sulfotepp	PHN	Ave	26657 576141	58762 752229	157555	268075	420565	10.0 160	20.0 200	50.0	80.0	120
Diallate Peak 1	PHN	Ave	44316 901963	93080 1181818	251631	422633	659110	7.20 115	14.4 144	36.0	57.8	86.4
1,3,5-Trinitrobenzene	PHN	Qua	8011 353605	23974 501457	84819	153686	253026	10.0 160	20.0 200	50.0	80.0	120
Phorate	PHN	Ave	22752 530157	52156 699588	140668	240074	377404	10.0 160	20.0 200	50.0	80.0	120
Phenacetin	PHN	Lin2	55311 1346879	124438 1793617	376153	657492	1037275	10.0 160	20.0 200	50.0	80.0	120
Diallate Peak 2	PHN	Ave	8985 161295	18790 213484	48370	78493	123031	2.80 44.8	5.60 56.0	14.0	22.6	33.6
Dimethoate	PHN	Ave	34884 546898	79095 750067	208161	328869	433246	10.0 160	20.0 200	50.0	80.0	120

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 115987

SDG No.:

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

Calibration Start Date: 04/18/2012 07:24 Calibration End Date: 04/18/2012 09:14 Calibration ID: 9102

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Aminobiphenyl	PHN	Lin1	146315 3617177	316137 4810472	884607	1582247	2547768	10.0 160	20.0 200	50.0	80.0	120
Pronamide	PHN	Qua	64012 1673809	138646 2241921	407627	722367	1191397	10.0 160	20.0 200	50.0	80.0	120
Pentachloronitrobenzene	PHN	Qua	24529 650999	55245 879964	153954	279362	459836	10.0 160	20.0 200	50.0	80.0	120
Disulfoton	PHN	Ave	59227 1338190	128544 1763066	363286	606786	966319	10.0 160	20.0 200	50.0	80.0	120
Methyl parathion	PHN	Ave	+++++ 607002	79623 818088	222466	350337	484250	+++++ 160	20.0 200	50.0	80.0	120
Ethyl Parathion	PHN	Ave	+++++ 573178	50750 756195	151631	267539	418018	+++++ 160	20.0 200	50.0	80.0	120
4-Nitroquinoline-1-oxide	PHN	Lin2	+++++ 423780	31658 552543	105960	202166	308317	+++++ 160	20.0 200	50.0	80.0	120
Methapyrilene	PHN	Ave	57951 840110	126803 1261268	303208	456957	646909	10.0 160	20.0 200	50.0	80.0	120
Isodrin	PHN	Ave	25978 544542	57681 735672	150090	254365	401249	10.0 160	20.0 200	50.0	80.0	120
Aramite Peak 1	CRY	Ave	+++++ 151180	13685 189744	41813	70953	113505	+++++ 73.6	9.20 91.0	23.0	36.0	55.2
Aramite Peak 2	CRY	Ave	+++++ 318039	30028 402449	89614	147523	238570	+++++ 86.4	10.8 109	27.0	43.2	64.8
p-Dimethylamino azobenzene	CRY	Ave	+++++ 1308392	120481 1714609	351670	603850	968365	+++++ 160	20.0 200	50.0	80.0	120
Ethyl 4,4'-Dichlorobenzilate	CRY	Lin1	58319 1472210	126451 1981709	365201	632355	1049377	10.0 160	20.0 200	50.0	80.0	120
3,3'-Dimethylbenzidine	CRY	Ave	+++++ 2748045	268933 3678657	762860	1297663	2021132	+++++ 160	20.0 200	50.0	80.0	120
2-Acetylaminofluorene	CRY	Lin2	+++++ 1763550	126657 2348723	428531	761329	1266028	+++++ 160	20.0 200	50.0	80.0	120
7,12-Dimethylbenz(a)anthracene	PRY	Lin2	+++++ 2763641	222830 3740391	652424	1161027	1920289	+++++ 160	20.0 200	50.0	80.0	120
3-Methylcholanthrene	PRY	Lin2	+++++ 2689001	221414 3682241	647430	1142932	1886555	+++++ 160	20.0 200	50.0	80.0	120

Curve Type Legend:

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

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0094.D
Lab Smp Id: IC-1314754
Inj Date : 18-APR-2012 07:24
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314754,,AP9200
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\8270C.m
Meth Date : 18-Apr-2012 10:25 D.i Quant Type: ISTD
Cal Date : 17-APR-2012 16:10 Cal File: D0091.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	4.014	4.015	(1.000)	221267	40.0000	
* 58	Naphthalene-d8	136	5.184	5.190	(1.000)	817519	40.0000	
* 96	Acenaphthene-d10	164	6.862	6.867	(1.000)	487193	40.0000	
* 135	Phenanthrene-d10	188	8.197	8.197	(1.000)	864300	40.0000	
* 166	Chrysene-d12	240	10.510	10.500	(1.000)	996838	40.0000	
* 179	Perylene-d12	264	11.787	11.766	(1.000)	889000	40.0000	
9	2-Picoline	93	2.593	2.594	(0.646)	1627596	200.000	207.618(A)
10	N-Nitrosomethylethylamine	88	2.647	2.652	(0.659)	718522	200.000	205.872(A)
11	Methyl methanesulfonate	80	2.844	2.850	(0.709)	517432	200.000	212.041(A)
12	N-Nitrosodiethylamine	102	3.138	3.138	(0.782)	736876	200.000	209.763(A)
13	Ethyl methanesulfonate	79	3.347	3.347	(0.834)	1264391	200.000	206.639(A)
24	Pentachloroethane	117	3.779	3.785	(0.941)	668176	200.000	214.719(A)
39	N-Nitrosopyrrolidine	100	4.356	4.351	(1.085)	850555	200.000	223.080(A)
40	N-Nitrosomorpholine	116	4.383	4.378	(1.092)	334449	200.000	215.397(A)
42	o-Toluidine	106	4.394	4.394	(1.094)	2642045	200.000	220.607(A)
46	N-Nitrosopiperidine	114	4.671	4.672	(0.901)	731603	200.000	208.342(A)
51	O,O,O-Triethyl phosphorothio	198	4.864	4.869	(0.938)	987679	200.000	220.761(A)
55	a,a-Dimethylphenethylamine	58	5.013	4.998	(0.967)	2569156	200.000	217.898(AM)
61	2,6-Dichlorophenol	162	5.259	5.259	(1.014)	1432135	200.000	226.357(A)
63	Hexachloropropene	213	5.280	5.286	(1.019)	1591683	200.000	220.431(A)
64	N-Nitrosodi-n-butylamine	84	5.542	5.542	(1.069)	1111019	200.000	212.142(A)
66	p-Phenylenediamine	108	5.601	5.596	(1.080)	1755644	200.000	199.639
70	Safrole	162	5.772	5.772	(1.113)	1395069	200.000	224.014(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
75	1,2,4,5-Tetrachlorobenzene	216	6.034	6.034	(1.164)	1999198	200.000	224.125(A)
76	Isosafrole (#1)	162	6.050	6.055	(0.882)	216935	35.0000	38.4868
84	Isosafrole (#2)	104	6.269	6.269	(0.914)	795064	165.000	185.643
85	Biphenyl	154	6.311	6.312	(0.920)	4316379	200.000	230.789(A)
87	1-Chloronaphthalene	162	6.370	6.370	(0.928)	3288958	200.000	225.521(A)
89	1,4-Naphthoquinone	158	6.514	6.515	(0.949)	533074	200.000	184.692
90	1,4-Dinitrobenzene	168	6.568	6.568	(0.957)	527203	200.000	209.754(A)
92	1,3-Dinitrobenzene	168	6.637	6.638	(0.967)	581399	200.000	227.323(A)
100	Pentachlorobenzene	250	7.011	7.011	(1.022)	1812066	200.000	236.768(A)
103	1-Naphthylamine	143	7.129	7.129	(1.039)	3533814	200.000	234.948(A)
104	2,3,4,6-Tetrachlorophenol	232	7.156	7.156	(1.043)	1088547	200.000	199.530
106	2-Naphthylamine	143	7.198	7.198	(1.049)	3360757	200.000	227.408(A)
108	Thionazin	97	7.289	7.284	(1.062)	893317	200.000	227.251(A)
111	5-Nitro-o-toluidine	152	7.375	7.369	(1.075)	1022158	200.000	210.517(A)
114	Diphenylamine	169	7.444	7.444	(1.085)	3494284	200.000	234.307(A)
117	Sulfotepp	97	7.535	7.535	(0.919)	752229	200.000	226.340(A)
119	Diallate (#1)	86	7.674	7.674	(0.936)	1181818	144.000	161.470
120	1,3,5-Trinitrobenzene	213	7.679	7.674	(0.937)	501457	200.000	200.512(A)
121	Phorate	121	7.690	7.685	(0.938)	699588	200.000	234.175(A)
122	Phenacetin	108	7.711	7.695	(0.941)	1793617	200.000	209.070(A)
123	Diallate (#2)	86	7.754	7.759	(0.946)	213484	56.0000	60.0368
126	Dimethoate	87	7.861	7.856	(0.959)	750067	200.000	195.400
130	4-Aminobiphenyl	169	8.016	8.010	(0.978)	4810472	200.000	211.554(A)
131	Pentachloronitrobenzene	237	8.026	8.026	(0.979)	879964	200.000	199.322
132	Pronamide	173	8.026	8.021	(0.979)	2241921	200.000	199.341
133	Disulfoton	88	8.144	8.139	(0.993)	1763066	200.000	232.476(A)
134	2-secbutyl-4,6-dinitropheno	211	8.149	8.144	(0.994)	1185687	200.000	199.163
142	Methyl parathion	109	8.480	8.481	(1.035)	818088	200.000	196.075
145	Parathion	109	8.801	8.801	(1.074)	756195	200.000	227.143(A)
146	4-Nitroquinoline-1-oxide	190	8.897	8.897	(1.085)	552543	200.000	205.118(AQ)
147	Methapyrilene	97	8.902	8.897	(1.086)	1261268	200.000	213.073(A)
148	Isodrin	193	9.111	9.111	(1.111)	735672	200.000	230.208(A)
153	Aramite (#1)	185	9.474	9.474	(0.901)	189744	91.0000	96.8307
155	Aramite (#2)	185	9.538	9.533	(0.907)	402449	109.000	114.533
156	p-Dimethylaminoazobenzene	120	9.661	9.656	(0.919)	1714609	200.000	221.025(A)
157	Chlorobenzilate	251	9.677	9.672	(0.921)	1981709	200.000	210.864(A)
160	3,3'-Dimethylbenzidine	212	9.965	9.955	(0.948)	3678657	200.000	221.260(A)
161	2-Acetylaminofluorene	181	10.195	10.179	(0.970)	2348723	200.000	209.902(A)
M 173	Total Isosafrole	162				1011999	200.000	224.130
M 174	Total Diallate	86				1395302	200.000	221.506
M 175	Total Aramite	185				592193	200.000	211.364
176	7,12-Dimethylbenz(a)anthrac	256	11.429	11.403	(0.970)	3740391	200.000	215.987(A)
181	3-Methylcholanthrene	268	12.033	12.001	(1.021)	3682241	200.000	216.792(A)
184	Dibenz(a,j)acridine	279	12.642	12.605	(1.073)	4853577	200.000	218.159(A)

QC Flag Legend

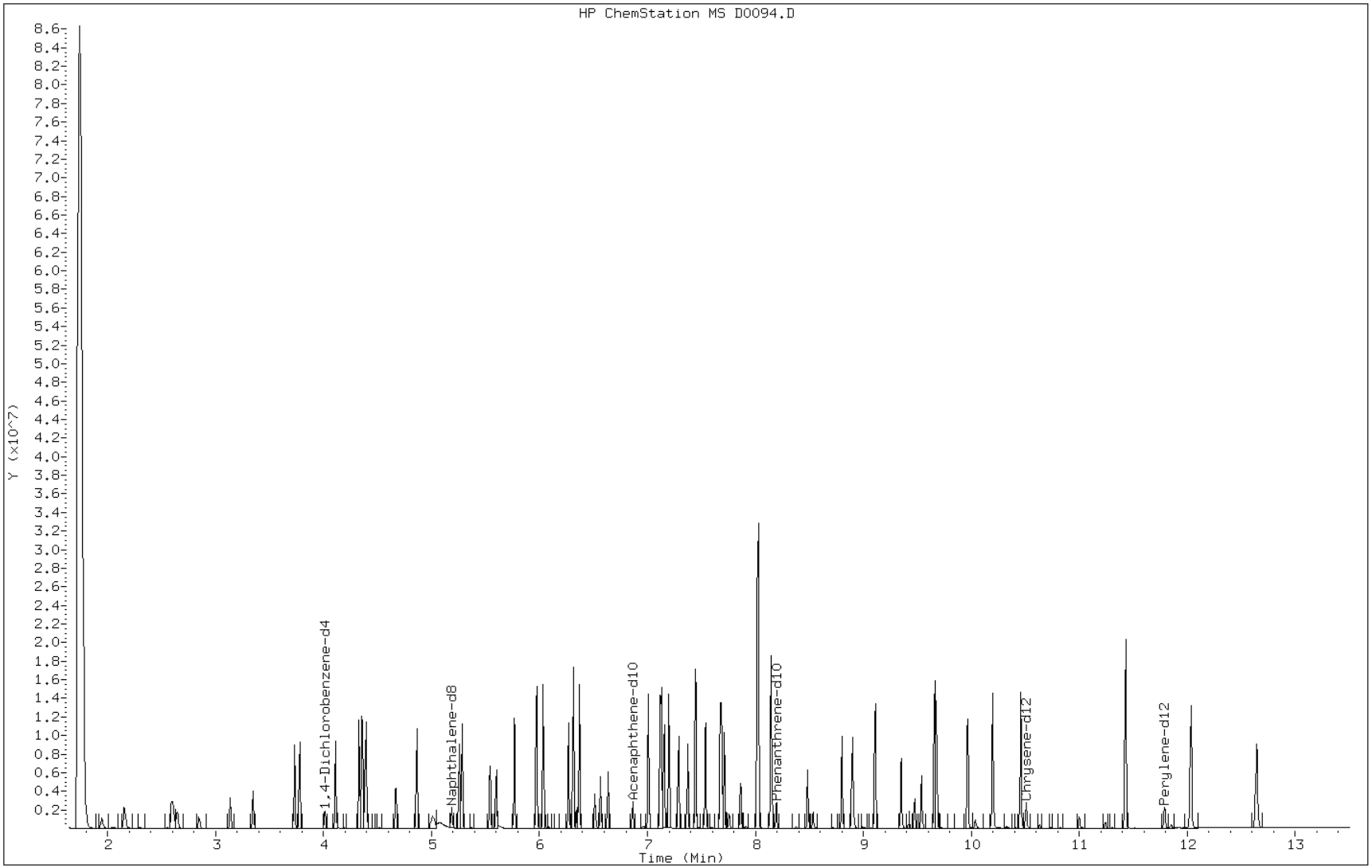
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: D0094.D

Date: 18-APR-2012 07:24

Client ID: Instrument: D.i

Sample Info: IC-1314754,,AP9200 Operator: hoffmanm



Manual Integration Report

Data File: D0094.D
Inj. Date and Time: 18-APR-2012 07:24
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 04/18/2012

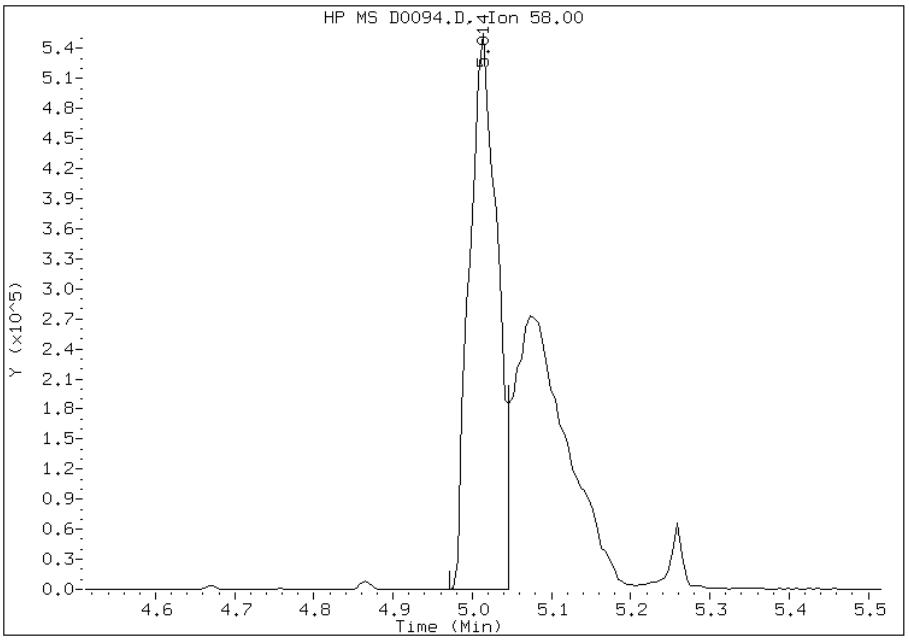
Processing Integration Results

RT: 5.01

Response: 1365602

Amount: 0

Conc: 0



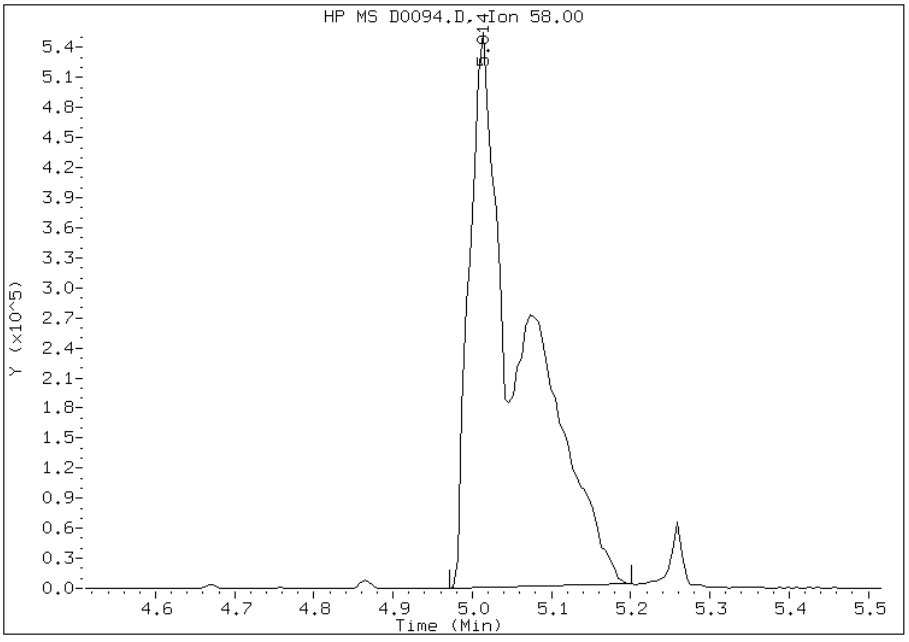
Manual Integration Results

RT: 5.01

Response: 2569156

Amount: 218

Conc: 218



Manually Integrated By: hoffmanm
Modification Date: 18-Apr-2012 09:25
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0095.D
Lab Smp Id: IC-1314710
Inj Date : 18-APR-2012 07:43
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314710,,AP9160
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\8270C.m
Meth Date : 18-Apr-2012 10:25 D.i Quant Type: ISTD
Cal Date : 17-APR-2012 16:10 Cal File: D0091.D
Als bottle: 3 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.015	4.015	(1.000)	217057	40.0000	
* 58 Naphthalene-d8	136	5.190	5.190	(1.000)	787154	40.0000	
* 96 Acenaphthene-d10	164	6.862	6.867	(1.000)	482744	40.0000	
* 135 Phenanthrene-d10	188	8.193	8.197	(1.000)	855097	40.0000	
* 166 Chrysene-d12	240	10.516	10.500	(1.000)	970586	40.0000	
* 179 Perylene-d12	264	11.799	11.766	(1.000)	863339	40.0000	
9 2-Picoline	93	2.589	2.594	(0.645)	1262901	160.000	164.222
10 N-Nitrosomethylethylamine	88	2.647	2.652	(0.659)	566203	160.000	165.376
11 Methyl methanesulfonate	80	2.845	2.850	(0.709)	412760	160.000	172.428
12 N-Nitrosodiethylamine	102	3.139	3.138	(0.782)	583779	160.000	169.405
13 Ethyl methanesulfonate	79	3.347	3.347	(0.834)	975908	160.000	162.586
24 Pentachloroethane	117	3.780	3.785	(0.941)	512025	160.000	167.731
39 N-Nitrosopyrrolidine	100	4.357	4.351	(1.085)	632168	160.000	169.018
40 N-Nitrosomorpholine	116	4.384	4.378	(1.092)	254871	160.000	167.330
42 o-Toluidine	106	4.394	4.394	(1.094)	1974213	160.000	168.041
46 N-Nitrosopiperidine	114	4.667	4.672	(0.899)	564094	160.000	166.836
51 O,O,O-Triethyl phosphorothio	198	4.864	4.869	(0.937)	748963	160.000	173.862
55 a,a-Dimethylphenethylamine	58	4.993	4.998	(0.962)	2026384	160.000	178.494(M)
61 2,6-Dichlorophenol	162	5.260	5.259	(1.013)	1074256	160.000	176.342
63 Hexachloropropene	213	5.281	5.286	(1.017)	1217106	160.000	175.058
64 N-Nitrosodi-n-butylamine	84	5.543	5.542	(1.068)	841580	160.000	166.893
66 p-Phenylenediamine	108	5.602	5.596	(1.079)	1415797	160.000	167.205
70 Safrole	162	5.767	5.772	(1.111)	1045243	160.000	174.315

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
75	1,2,4,5-Tetrachlorobenzene	216	6.034	6.034	(1.163)	1492900	160.000	173.821
76	Isosafrole (#1)	162	6.050	6.055	(0.882)	163303	28.0000	29.2388
84	Isosafrole (#2)	104	6.269	6.269	(0.914)	603831	132.000	142.290
85	Biphenyl	154	6.312	6.312	(0.920)	3195938	160.000	172.456
87	1-Chloronaphthalene	162	6.371	6.370	(0.928)	2486490	160.000	172.067
89	1,4-Naphthoquinone	158	6.515	6.515	(0.949)	456325	160.000	159.558
90	1,4-Dinitrobenzene	168	6.569	6.568	(0.957)	410040	160.000	165.532
92	1,3-Dinitrobenzene	168	6.638	6.638	(0.967)	446185	160.000	176.063
100	Pentachlorobenzene	250	7.007	7.011	(1.021)	1340365	160.000	176.748
103	1-Naphthylamine	143	7.130	7.129	(1.039)	2638120	160.000	177.013
104	2,3,4,6-Tetrachlorophenol	232	7.156	7.156	(1.043)	811552	160.000	160.770
106	2-Naphthylamine	143	7.199	7.198	(1.049)	2529026	160.000	172.705
108	Thionazin	97	7.290	7.284	(1.062)	668170	160.000	171.542
111	5-Nitro-o-toluidine	152	7.375	7.369	(1.075)	782639	160.000	163.558
114	Diphenylamine	169	7.445	7.444	(1.085)	2589161	160.000	175.214
117	Sulfotepp	97	7.536	7.535	(0.920)	576141	160.000	175.222
119	Diallate (#1)	86	7.674	7.674	(0.937)	901963	115.200	124.560
120	1,3,5-Trinitrobenzene	213	7.680	7.674	(0.937)	353605	160.000	158.546
121	Phorate	121	7.690	7.685	(0.939)	530157	160.000	179.371
122	Phenacetin	108	7.712	7.695	(0.941)	1346879	160.000	159.631
123	Diallate (#2)	86	7.755	7.759	(0.947)	161295	44.8000	45.8482
126	Dimethoate	87	7.861	7.856	(0.960)	546898	160.000	144.006
130	4-Aminobiphenyl	169	8.016	8.010	(0.978)	3617177	160.000	162.109
131	Pentachloronitrobenzene	237	8.027	8.026	(0.980)	650999	160.000	161.258
132	Pronamide	173	8.027	8.021	(0.980)	1673809	160.000	161.194
133	Disulfoton	88	8.145	8.139	(0.994)	1338190	160.000	178.351
134	2-secbutyl-4,6-dinitropheno	211	8.150	8.144	(0.995)	875780	160.000	161.559
142	Methyl parathion	109	8.481	8.481	(1.035)	607002	160.000	147.049
145	Parathion	109	8.802	8.801	(1.074)	573178	160.000	174.022
146	4-Nitroquinoline-1-oxide	190	8.898	8.897	(1.086)	423780	160.000	160.976
147	Methapyrilene	97	8.903	8.897	(1.087)	840110	160.000	143.452
148	Isodrin	193	9.111	9.111	(1.112)	544542	160.000	172.233
153	Aramite (#1)	185	9.475	9.474	(0.901)	151180	73.6000	79.2373
155	Aramite (#2)	185	9.539	9.533	(0.907)	318039	86.4000	92.9590
156	p-Dimethylaminoazobenzene	120	9.662	9.656	(0.919)	1308392	160.000	173.223
157	Chlorobenzilate	251	9.678	9.672	(0.920)	1472210	160.000	162.204
160	3,3'-Dimethylbenzidine	212	9.966	9.955	(0.948)	2748045	160.000	169.757
161	2-Acetylaminofluorene	181	10.201	10.179	(0.970)	1763550	160.000	163.981
M 173	Total Isosafrole	162				767134	160.000	171.529
M 174	Total Diallate	86				1063258	160.000	170.408
M 175	Total Aramite	185				469219	160.000	172.196
176	7,12-Dimethylbenz(a)anthrac	256	11.441	11.403	(0.970)	2763641	160.000	166.132(A)
181	3-Methylcholanthrene	268	12.044	12.001	(1.021)	2689001	160.000	164.833
184	Dibenz(a,j)acridine	279	12.653	12.605	(1.072)	3600716	160.000	167.606

QC Flag Legend

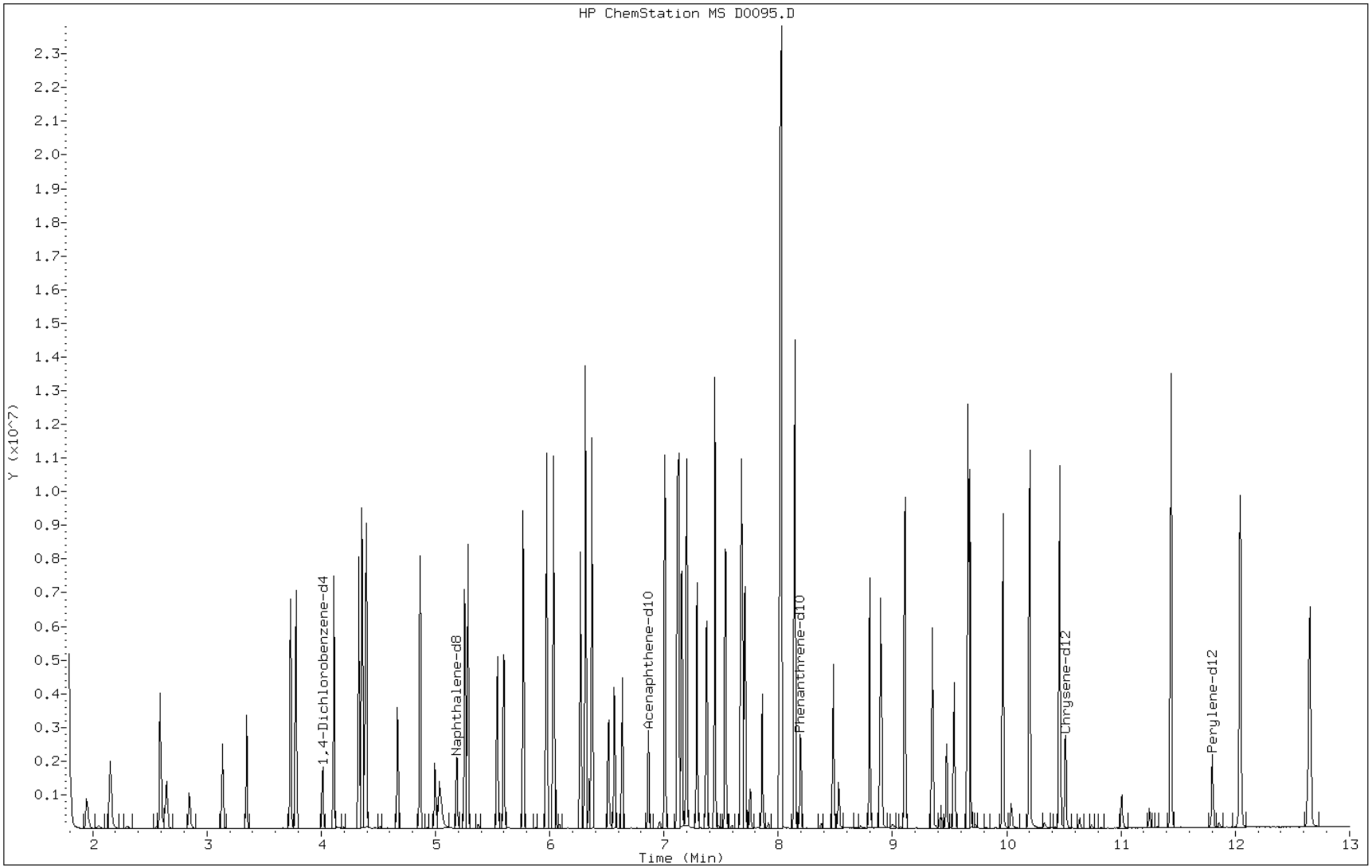
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Data File: D0095.D

Date: 18-APR-2012 07:43

Client ID: Instrument: D.i

Sample Info: IC-1314710,,AP9160 Operator: hoffmanm



Manual Integration Report

Data File: D0095.D
Inj. Date and Time: 18-APR-2012 07:43
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 04/18/2012

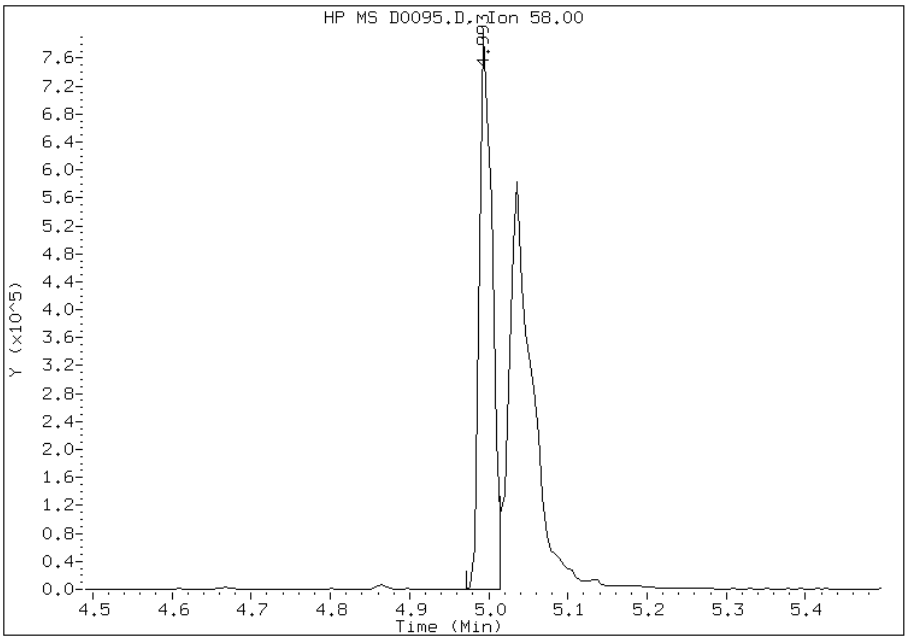
Processing Integration Results

RT: 4.99

Response: 886844

Amount: 0

Conc: 0



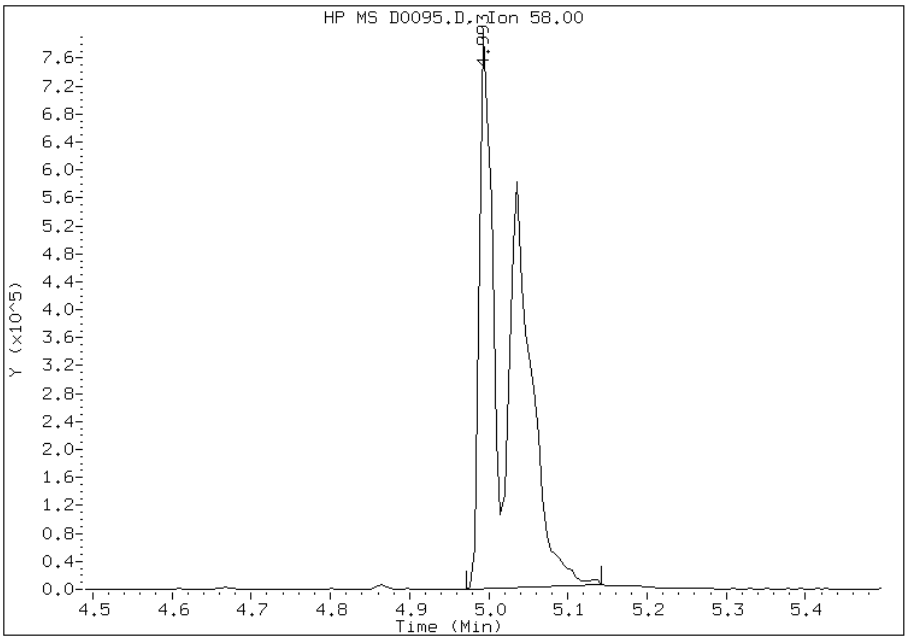
Manual Integration Results

RT: 4.99

Response: 2026384

Amount: 178

Conc: 178



Manually Integrated By: hoffmanm
Modification Date: 18-Apr-2012 09:25
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0096.D
Lab Smp Id: IC-1314708
Inj Date : 18-APR-2012 08:01
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314708,,AP9120
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\8270C.m
Meth Date : 18-Apr-2012 10:25 D.i Quant Type: ISTD
Cal Date : 17-APR-2012 16:10 Cal File: D0091.D
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	4.016	4.015	(1.000)	212206	40.0000	
* 58	Naphthalene-d8	136	5.191	5.190	(1.000)	788523	40.0000	
* 96	Acenaphthene-d10	164	6.863	6.867	(1.000)	483302	40.0000	
* 135	Phenanthrene-d10	188	8.193	8.197	(1.000)	870801	40.0000	
* 166	Chrysene-d12	240	10.501	10.500	(1.000)	992420	40.0000	
* 179	Perylene-d12	264	11.772	11.766	(1.000)	874378	40.0000	
9	2-Picoline	93	2.589	2.594	(0.645)	916726	120.000	121.932
10	N-Nitrosomethylethylamine	88	2.648	2.652	(0.659)	409886	120.000	122.456
11	Methyl methanesulfonate	80	2.846	2.850	(0.709)	299717	120.000	128.067
12	N-Nitrosodiethylamine	102	3.139	3.138	(0.782)	427255	120.000	126.818
13	Ethyl methanesulfonate	79	3.348	3.347	(0.834)	720342	120.000	122.752
24	Pentachloroethane	117	3.781	3.785	(0.941)	371568	120.000	124.502
39	N-Nitrosopyrrolidine	100	4.352	4.351	(1.084)	465556	120.000	127.318
40	N-Nitrosomorpholine	116	4.384	4.378	(1.092)	183135	120.000	122.982
42	o-Toluidine	106	4.395	4.394	(1.094)	1415862	120.000	123.270
46	N-Nitrosopiperidine	114	4.667	4.672	(0.899)	418693	120.000	123.618
51	O,O,O-Triethyl phosphorothio	198	4.865	4.869	(0.937)	531676	120.000	123.207
55	a,a-Dimethylphenethylamine	58	5.031	4.998	(0.969)	1369352	120.000	120.410(M)
61	2,6-Dichlorophenol	162	5.255	5.259	(1.012)	757535	120.000	124.135
63	Hexachloropropene	213	5.287	5.286	(1.019)	863979	120.000	124.052
64	N-Nitrosodi-n-butylamine	84	5.543	5.542	(1.068)	629448	120.000	124.608
66	p-Phenylenediamine	108	5.597	5.596	(1.078)	1055654	120.000	124.456
70	Safrole	162	5.768	5.772	(1.111)	746753	120.000	124.320

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
75	1,2,4,5-Tetrachlorobenzene	216	6.035	6.034	(1.163)	1063463	120.000	123.606
76	Isosafrole (#1)	162	6.051	6.055	(0.882)	124230	21.0000	22.2173
84	Isosafrole (#2)	104	6.270	6.269	(0.914)	442063	99.0000	104.050
85	Biphenyl	154	6.313	6.312	(0.920)	2285714	120.000	123.197
87	1-Chloronaphthalene	162	6.371	6.370	(0.928)	1762427	120.000	121.821
89	1,4-Naphthoquinone	158	6.516	6.515	(0.949)	362222	120.000	126.508
90	1,4-Dinitrobenzene	168	6.569	6.568	(0.957)	293043	120.000	119.347
92	1,3-Dinitrobenzene	168	6.639	6.638	(0.967)	322156	120.000	126.975
100	Pentachlorobenzene	250	7.007	7.011	(1.021)	951006	120.000	125.260
103	1-Naphthylamine	143	7.130	7.129	(1.039)	1904233	120.000	127.623
104	2,3,4,6-Tetrachlorophenol	232	7.157	7.156	(1.043)	572117	120.000	120.420
106	2-Naphthylamine	143	7.200	7.198	(1.049)	1841913	120.000	125.638
108	Thionazin	97	7.285	7.284	(1.061)	489260	120.000	125.465
111	5-Nitro-o-toluidine	152	7.370	7.369	(1.074)	566300	120.000	119.289
114	Diphenylamine	169	7.445	7.444	(1.085)	1856502	120.000	125.489
117	Sulfotepp	97	7.536	7.535	(0.920)	420565	120.000	125.600
119	Diallate (#1)	86	7.675	7.674	(0.937)	659110	86.4000	89.3807
120	1,3,5-Trinitrobenzene	213	7.675	7.674	(0.937)	253026	120.000	120.445
121	Phorate	121	7.686	7.685	(0.938)	377404	120.000	125.386
122	Phenacetin	108	7.707	7.695	(0.941)	1037275	120.000	121.677
123	Diallate (#2)	86	7.755	7.759	(0.947)	123031	33.6000	34.3410
126	Dimethoate	87	7.862	7.856	(0.960)	433246	120.000	112.022
130	4-Aminobiphenyl	169	8.017	8.010	(0.978)	2547768	120.000	113.821
131	Pentachloronitrobenzene	237	8.028	8.026	(0.980)	459836	120.000	120.140
132	Pronamide	173	8.028	8.021	(0.980)	1191397	120.000	120.226
133	Disulfoton	88	8.140	8.139	(0.993)	966319	120.000	126.466
134	2-secbutyl-4,6-dinitropheno	211	8.145	8.144	(0.994)	612663	120.000	120.581
142	Methyl parathion	109	8.482	8.481	(1.035)	484250	120.000	115.196
145	Parathion	109	8.802	8.801	(1.074)	418018	120.000	124.625
146	4-Nitroquinoline-1-oxide	190	8.893	8.897	(1.085)	308317	120.000	117.501
147	Methapyrilene	97	8.904	8.897	(1.087)	646909	120.000	108.470
148	Isodrin	193	9.107	9.111	(1.111)	401249	120.000	124.622
153	Aramite (#1)	185	9.470	9.474	(0.902)	113505	55.2000	58.1820
155	Aramite (#2)	185	9.534	9.533	(0.908)	238570	64.8000	68.1970
156	p-Dimethylaminoazobenzene	120	9.657	9.656	(0.920)	968365	120.000	125.385
157	Chlorobenzilate	251	9.673	9.672	(0.921)	1049377	120.000	114.755
160	3,3'-Dimethylbenzidine	212	9.961	9.955	(0.949)	2021132	120.000	122.106
161	2-Acetylaminofluorene	181	10.191	10.179	(0.970)	1266028	120.000	117.878
M 173	Total Isosafrole	162				566293	120.000	126.267
M 174	Total Diallate	86				782141	120.000	123.722
M 175	Total Aramite	185				352075	120.000	126.379
176	7,12-Dimethylbenz(a)anthrac	256	11.409	11.403	(0.969)	1920289	120.000	116.344
181	3-Methylcholanthrene	268	12.013	12.001	(1.020)	1886555	120.000	116.429
184	Dibenz(a,j)acridine	279	12.622	12.605	(1.072)	2568703	120.000	119.248

QC Flag Legend

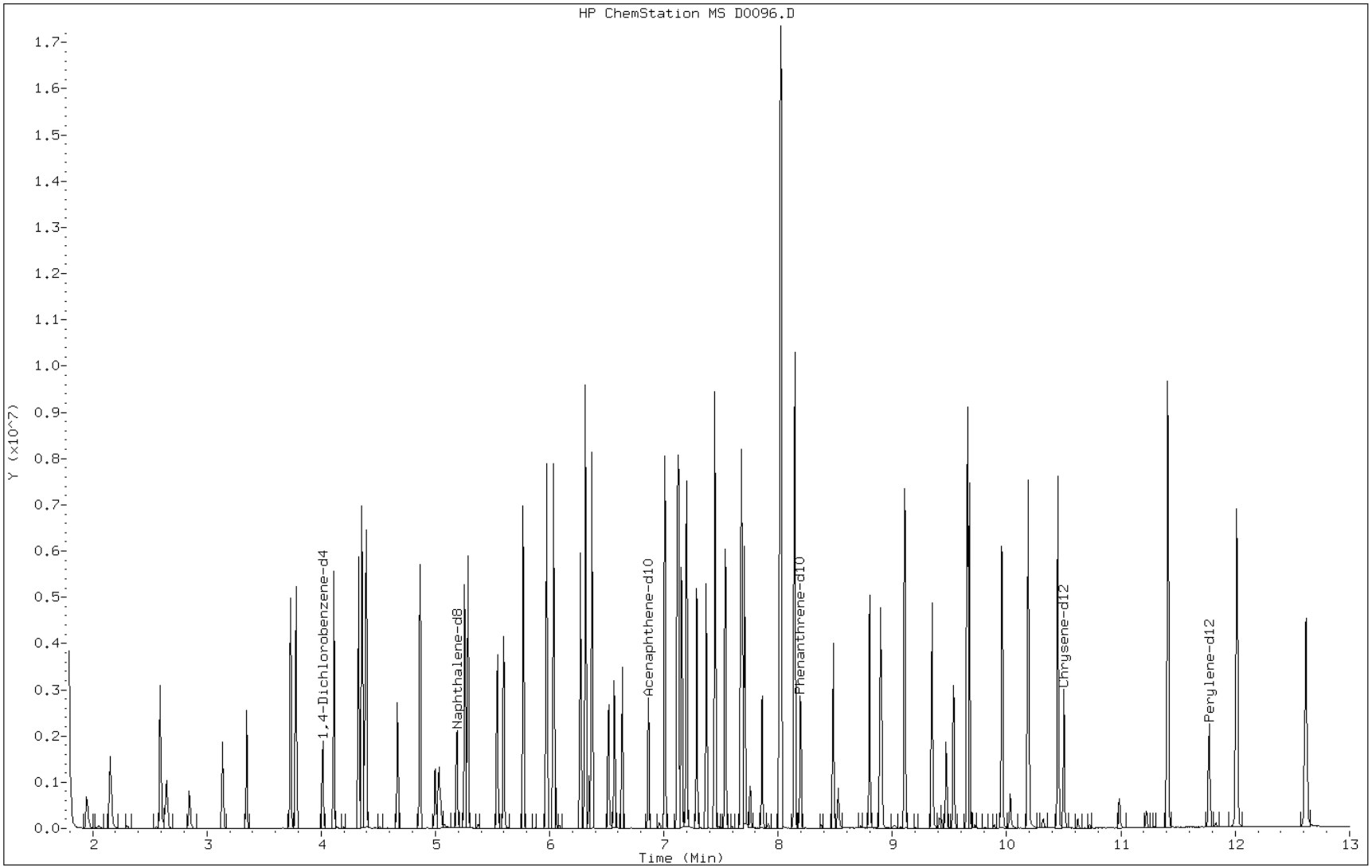
M - Compound response manually integrated.

Data File: D0096.D

Date: 18-APR-2012 08:01

Client ID: Instrument: D.i

Sample Info: IC-1314708,,AP9120 Operator: hoffmanm



Manual Integration Report

Data File: D0096.D
Inj. Date and Time: 18-APR-2012 08:01
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 04/18/2012

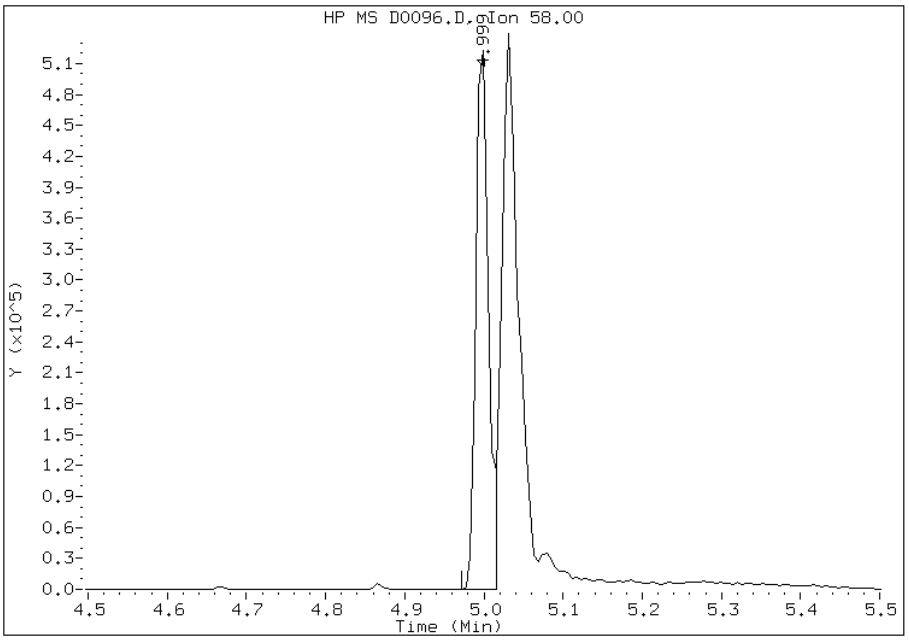
Processing Integration Results

RT: 5.00

Response: 575086

Amount: 0

Conc: 0



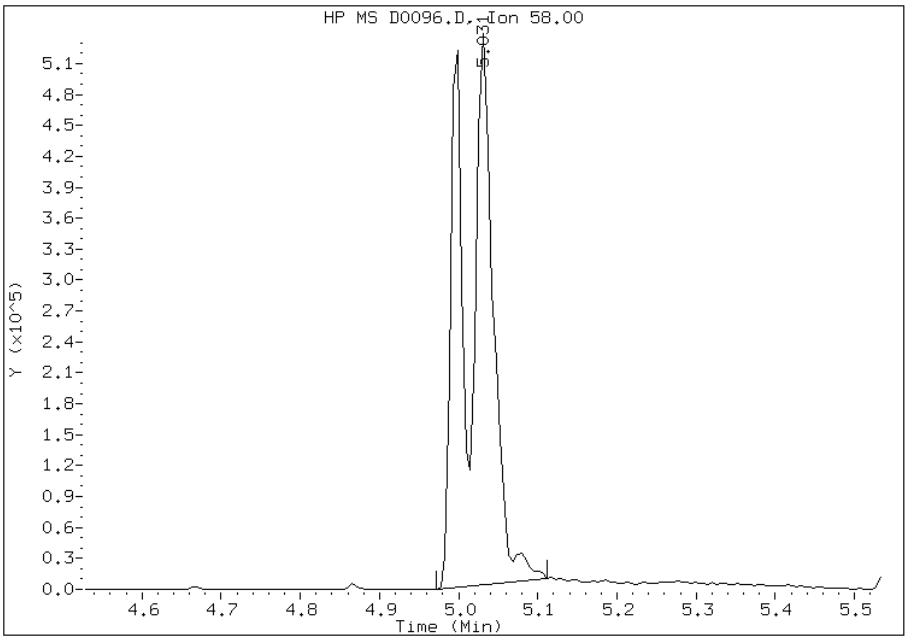
Manual Integration Results

RT: 5.03

Response: 1369352

Amount: 120

Conc: 120



Manually Integrated By: hoffmanm
Modification Date: 18-Apr-2012 09:26
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0097.D
Lab Smp Id: ICIS-1314706
Inj Date : 18-APR-2012 08:19
Operator : hoffmanm Inst ID: D.i
Smp Info : ICIS-1314706,,AP9080
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\8270C.m
Meth Date : 18-Apr-2012 10:25 D.i Quant Type: ISTD
Cal Date : 17-APR-2012 16:10 Cal File: D0091.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26	1,4-Dichlorobenzene-d4	152	4.017	4.015	(1.000)	211786	40.0000	
* 58	Naphthalene-d8	136	5.187	5.190	(1.000)	756158	40.0000	
* 96	Acenaphthene-d10	164	6.865	6.867	(1.000)	475687	40.0000	
* 135	Phenanthrene-d10	188	8.195	8.197	(1.000)	849658	40.0000	
* 166	Chrysene-d12	240	10.508	10.500	(1.000)	955287	40.0000	
* 179	Perylene-d12	264	11.779	11.766	(1.000)	854447	40.0000	
9	2-Picoline	93	2.591	2.594	(0.645)	590837	80.0000	78.7418
10	N-Nitrosomethylethylamine	88	2.650	2.652	(0.660)	268374	80.0000	80.3375
11	Methyl methanesulfonate	80	2.847	2.850	(0.709)	188701	80.0000	80.7905
12	N-Nitrosodiethylamine	102	3.136	3.138	(0.781)	272995	80.0000	81.1912
13	Ethyl methanesulfonate	79	3.350	3.347	(0.834)	463780	80.0000	79.1886
24	Pentachloroethane	117	3.782	3.785	(0.941)	237638	80.0000	79.7840
39	N-Nitrosopyrrolidine	100	4.354	4.351	(1.084)	296458	80.0000	81.2345
40	N-Nitrosomorpholine	116	4.381	4.378	(1.090)	118124	80.0000	79.4818
42	o-Toluidine	106	4.391	4.394	(1.093)	902048	80.0000	78.6915
46	N-Nitrosopiperidine	114	4.669	4.672	(0.900)	264832	80.0000	81.5374
51	O,O,O-Triethyl phosphorothio	198	4.867	4.869	(0.938)	333445	80.0000	80.5779
55	a,a-Dimethylphenethylamine	58	5.022	4.998	(0.968)	859355	80.0000	78.7989(QM)
61	2,6-Dichlorophenol	162	5.257	5.259	(1.013)	471260	80.0000	80.5296
63	Hexachloropropene	213	5.283	5.286	(1.019)	552819	80.0000	82.7722
64	N-Nitrosodi-n-butylamine	84	5.540	5.542	(1.068)	401119	80.0000	82.8062
66	p-Phenylenediamine	108	5.599	5.596	(1.079)	682050	80.0000	83.8514
70	Safrole	162	5.770	5.772	(1.112)	471454	80.0000	81.8474

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
75	1,2,4,5-Tetrachlorobenzene	216	6.031	6.034	(1.163)	665341	80.0000	80.6425
76	Isosafrole (#1)	162	6.053	6.055	(0.882)	78460	14.0000	14.2564
84	Isosafrole (#2)	104	6.266	6.269	(0.913)	282864	66.0000	67.6446
85	Biphenyl	154	6.314	6.312	(0.920)	1452720	80.0000	79.5532
87	1-Chloronaphthalene	162	6.368	6.370	(0.928)	1120323	80.0000	78.6776
89	1,4-Naphthoquinone	158	6.512	6.515	(0.949)	258488	80.0000	91.7238
90	1,4-Dinitrobenzene	168	6.565	6.568	(0.956)	187485	80.0000	79.0263
92	1,3-Dinitrobenzene	168	6.635	6.638	(0.967)	207588	80.0000	83.1287
100	Pentachlorobenzene	250	7.009	7.011	(1.021)	593485	80.0000	79.4215
103	1-Naphthylamine	143	7.126	7.129	(1.038)	1186421	80.0000	80.7878
104	2,3,4,6-Tetrachlorophenol	232	7.153	7.156	(1.042)	349985	80.0000	79.6108
106	2-Naphthylamine	143	7.196	7.198	(1.048)	1179285	80.0000	81.7272
108	Thionazin	97	7.287	7.284	(1.061)	319771	80.0000	83.3142
111	5-Nitro-o-toluidine	152	7.372	7.369	(1.074)	357842	80.0000	77.9786
114	Diphenylamine	169	7.447	7.444	(1.085)	1159536	80.0000	79.6326
117	Sulfotepp	97	7.538	7.535	(0.920)	268075	80.0000	82.0518
119	Diallate (#1)	86	7.677	7.674	(0.937)	422633	57.8000	58.7387
120	1,3,5-Trinitrobenzene	213	7.677	7.674	(0.937)	153686	80.0000	81.3392
121	Phorate	121	7.687	7.685	(0.938)	240074	80.0000	81.7455
122	Phenacetin	108	7.703	7.695	(0.940)	657492	80.0000	80.4202
123	Diallate (#2)	86	7.757	7.759	(0.947)	78493	22.6000	22.4545
126	Dimethoate	87	7.858	7.856	(0.959)	328869	80.0000	87.1500
130	4-Aminobiphenyl	169	8.013	8.010	(0.978)	1582247	80.0000	74.4482
131	Pentachloronitrobenzene	237	8.024	8.026	(0.979)	279362	80.0000	80.0804
132	Pronamide	173	8.024	8.021	(0.979)	722367	80.0000	79.7310
133	Disulfoton	88	8.141	8.139	(0.993)	606786	80.0000	81.3889
134	2-secbutyl-4,6-dinitropheno	211	8.147	8.144	(0.994)	350826	80.0000	78.2102
142	Methyl parathion	109	8.483	8.481	(1.035)	350337	80.0000	85.4140
145	Parathion	109	8.799	8.801	(1.074)	267539	80.0000	81.7472
146	4-Nitroquinoline-1-oxide	190	8.895	8.897	(1.085)	202166	80.0000	81.8304
147	Methapyrilene	97	8.900	8.897	(1.086)	456957	80.0000	78.5265
148	Isodrin	193	9.108	9.111	(1.111)	254365	80.0000	80.9680
153	Aramite (#1)	185	9.472	9.474	(0.901)	70953	36.0000	37.7839
155	Aramite (#2)	185	9.536	9.533	(0.907)	147523	43.2000	43.8098
156	p-Dimethylaminoazobenzene	120	9.659	9.656	(0.919)	603850	80.0000	81.2262
157	Chlorobenzilate	251	9.675	9.672	(0.921)	632355	80.0000	73.9158
160	3,3'-Dimethylbenzidine	212	9.963	9.955	(0.948)	1297663	80.0000	81.4452
161	2-Acetylaminofluorene	181	10.187	10.179	(0.969)	761329	80.0000	77.1045
M 173	Total Isosafrole	162				361324	80.0000	81.9010
M 174	Total Diallate	86				501126	80.0000	81.1932
M 175	Total Aramite	185				218476	80.0000	81.5936
176	7,12-Dimethylbenz(a)anthrac	256	11.416	11.403	(0.969)	1161027	80.0000	74.8575
181	3-Methylcholanthrene	268	12.020	12.001	(1.020)	1142932	80.0000	74.9588
184	Dibenz(a,j)acridine	279	12.629	12.605	(1.072)	1563207	80.0000	75.7811

QC Flag Legend

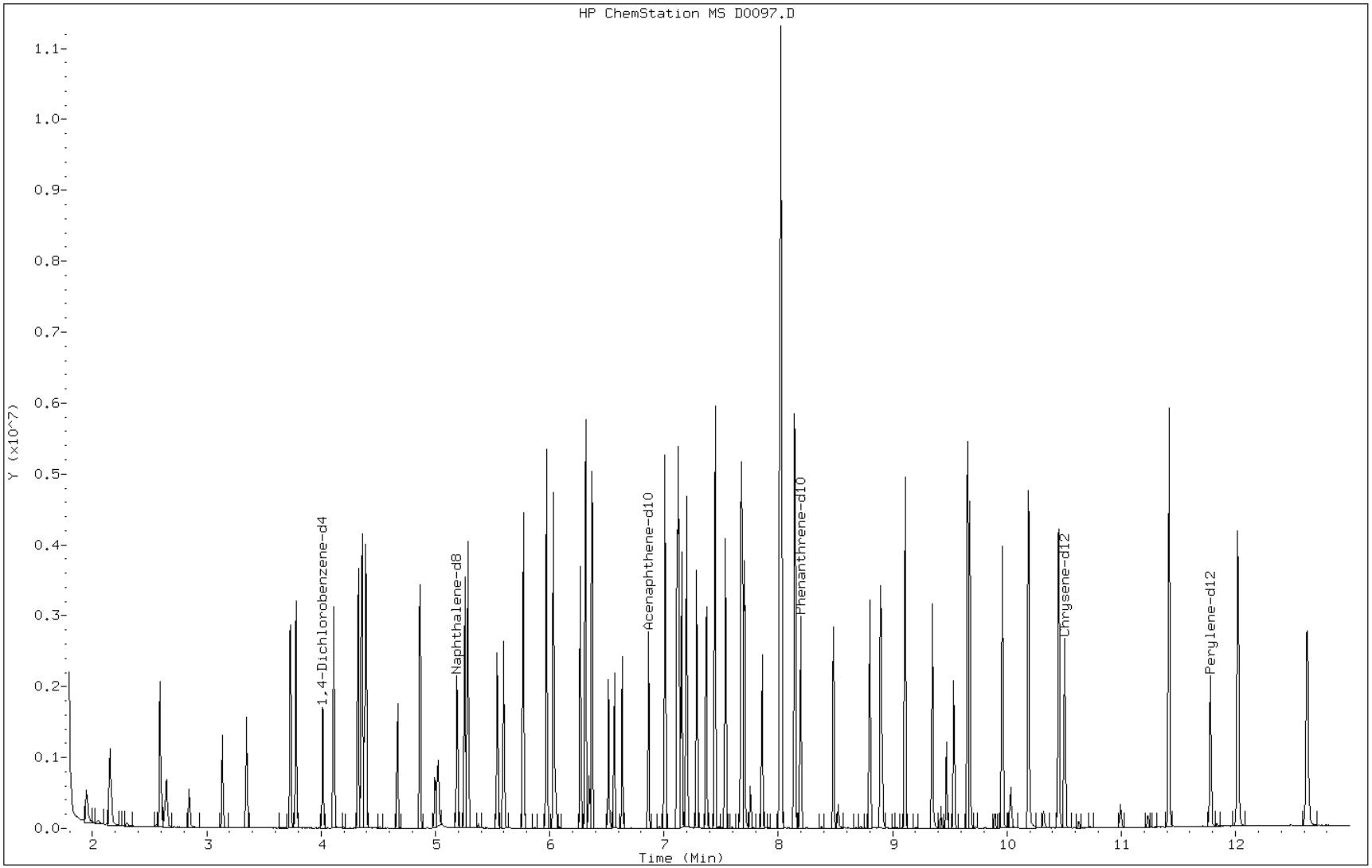
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: D0097.D

Date: 18-APR-2012 08:19

Client ID: Instrument: D.i

Sample Info: ICIS-1314706,,AP9080 Operator: hoffmanm



Manual Integration Report

Data File: D0097.D
Inj. Date and Time: 18-APR-2012 08:19
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 04/18/2012

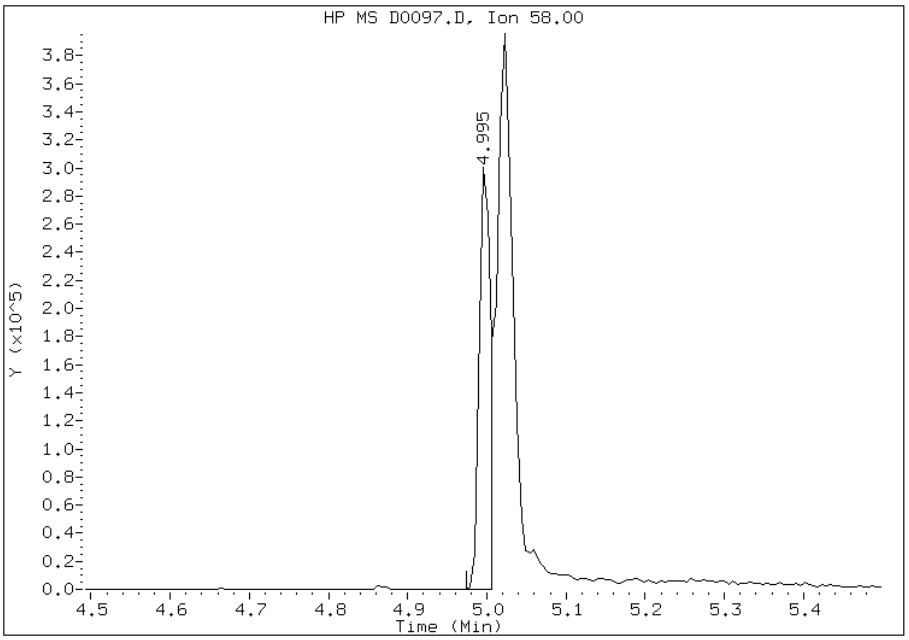
Processing Integration Results

RT: 5.00

Response: 294672

Amount: 0

Conc: 0



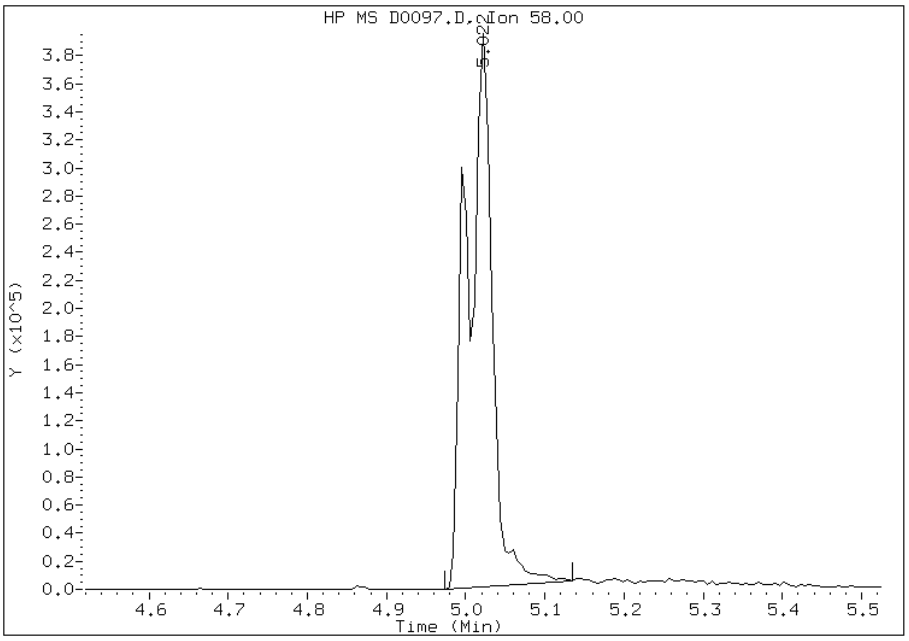
Manual Integration Results

RT: 5.02

Response: 859355

Amount: 79

Conc: 79



Manually Integrated By: hoffmanm
Modification Date: 18-Apr-2012 09:27
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0098.D
Lab Smp Id: IC-1314703
Inj Date : 18-APR-2012 08:38
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314703,,AP9050
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\8270C.m
Meth Date : 18-Apr-2012 10:25 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 08:19 Cal File: D0097.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.016	4.016	(1.000)	209713	40.0000	
* 58 Naphthalene-d8	136	5.191	5.191	(1.000)	763027	40.0000	
* 96 Acenaphthene-d10	164	6.863	6.863	(1.000)	481385	40.0000	
* 135 Phenanthrene-d10	188	8.198	8.198	(1.000)	845488	40.0000	
* 166 Chrysene-d12	240	10.506	10.506	(1.000)	959470	40.0000	
* 179 Perylene-d12	264	11.783	11.783	(1.000)	853995	40.0000	
9 2-Picoline	93	2.595	2.595	(0.646)	369737	50.0000	49.7625
10 N-Nitrosomethylethylamine	88	2.653	2.653	(0.661)	164582	50.0000	49.7544
11 Methyl methanesulfonate	80	2.846	2.846	(0.709)	112012	50.0000	48.4309
12 N-Nitrosodiethylamine	102	3.139	3.139	(0.782)	164876	50.0000	49.5203
13 Ethyl methanesulfonate	79	3.348	3.348	(0.834)	283105	50.0000	48.8169
24 Pentachloroethane	117	3.781	3.781	(0.941)	145801	50.0000	49.4347
39 N-Nitrosopyrrolidine	100	4.352	4.352	(1.084)	175800	50.0000	48.6484
40 N-Nitrosomorpholine	116	4.379	4.379	(1.090)	70785	50.0000	48.0998
42 o-Toluidine	106	4.395	4.395	(1.094)	550634	50.0000	48.5102
46 N-Nitrosopiperidine	114	4.667	4.667	(0.899)	163744	50.0000	49.9602
51 O,O,O-Triethyl phosphorothio	198	4.865	4.865	(0.937)	198765	50.0000	47.5997
55 a,a-Dimethylphenethylamine	58	5.009	5.009	(0.965)	523859	50.0000	47.6031
61 2,6-Dichlorophenol	162	5.255	5.255	(1.012)	284162	50.0000	48.1209
63 Hexachloropropene	213	5.287	5.287	(1.019)	334642	50.0000	49.6541
64 N-Nitrosodi-n-butylamine	84	5.543	5.543	(1.068)	247851	50.0000	50.7053
66 p-Phenylenediamine	108	5.597	5.597	(1.078)	420731	50.0000	51.2592

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
70	Safrole	162	5.773	5.773	(1.112)	281003	50.0000	48.3447
75	1,2,4,5-Tetrachlorobenzene	216	6.035	6.035	(1.163)	394784	50.0000	47.4189
76	Isosafrole (#1)	162	6.056	6.056	(0.882)	48848	8.75000	8.77076(a)
84	Isosafrole (#2)	104	6.270	6.270	(0.914)	167539	41.2500	39.5914
85	Biphenyl	154	6.313	6.313	(0.920)	858106	50.0000	46.4350
87	1-Chloronaphthalene	162	6.371	6.371	(0.928)	671952	50.0000	46.6310
89	1,4-Naphthoquinone	158	6.516	6.516	(0.949)	155474	50.0000	54.5165
90	1,4-Dinitrobenzene	168	6.564	6.564	(0.956)	108131	50.0000	46.8168
92	1,3-Dinitrobenzene	168	6.633	6.633	(0.967)	126875	50.0000	50.2058
100	Pentachlorobenzene	250	7.007	7.007	(1.021)	351720	50.0000	46.5108
103	1-Naphthylamine	143	7.130	7.130	(1.039)	694008	50.0000	46.6982
104	2,3,4,6-Tetrachlorophenol	232	7.157	7.157	(1.043)	204836	50.0000	48.8750
106	2-Naphthylamine	143	7.199	7.199	(1.049)	696804	50.0000	47.7186
108	Thionazin	97	7.285	7.285	(1.061)	188815	50.0000	48.6122
111	5-Nitro-o-toluidine	152	7.370	7.370	(1.074)	213208	50.0000	47.5119
114	Diphenylamine	169	7.445	7.445	(1.085)	681174	50.0000	46.2268
117	Sulfotepp	97	7.536	7.536	(0.919)	157555	50.0000	48.4620
119	Diallate (#1)	86	7.675	7.675	(0.936)	251631	36.0000	35.1448
120	1,3,5-Trinitrobenzene	213	7.675	7.675	(0.936)	84819	50.0000	49.5449
121	Phorate	121	7.686	7.686	(0.937)	140668	50.0000	48.1339
122	Phenacetin	108	7.702	7.702	(0.939)	376153	50.0000	47.9032
123	Diallate (#2)	86	7.755	7.755	(0.946)	48370	14.0000	13.9055
126	Dimethoate	87	7.857	7.857	(0.958)	208161	50.0000	55.4346
130	4-Aminobiphenyl	169	8.011	8.011	(0.977)	884607	50.0000	44.2414
131	Pentachloronitrobenzene	237	8.027	8.027	(0.979)	153954	50.0000	47.6818
132	Pronamide	173	8.022	8.022	(0.978)	407627	50.0000	48.4055
133	Disulfoton	88	8.140	8.140	(0.993)	363286	50.0000	48.9683
134	2-secbutyl-4,6-dinitropheno	211	8.145	8.145	(0.993)	194812	50.0000	49.0697
142	Methyl parathion	109	8.482	8.482	(1.035)	222466	50.0000	54.5059
145	Parathion	109	8.802	8.802	(1.074)	151631	50.0000	46.5597
146	4-Nitroquinoline-1-oxide	190	8.893	8.893	(1.085)	105960	50.0000	47.2381
147	Methapyrilene	97	8.904	8.904	(1.086)	303208	50.0000	52.3622
148	Isodrin	193	9.112	9.112	(1.111)	150090	50.0000	48.0114
153	Aramite (#1)	185	9.475	9.475	(0.902)	41813	23.0000	22.1692
155	Aramite (#2)	185	9.539	9.539	(0.908)	89614	27.0000	26.4966
156	p-Dimethylaminoazobenzene	120	9.657	9.657	(0.919)	351670	50.0000	47.0982
157	Chlorobenzilate	251	9.678	9.678	(0.921)	365201	50.0000	44.8616
160	3,3'-Dimethylbenzidine	212	9.961	9.961	(0.948)	762860	50.0000	47.6706
161	2-Acetylaminofluorene	181	10.191	10.191	(0.970)	428531	50.0000	47.2669
M 173	Total Isosafrole	162				216387	50.0000	48.3621
M 174	Total Diallate	86				300001	50.0000	49.0503
M 175	Total Aramite	185				131427	50.0000	48.6657
176	7,12-Dimethylbenz(a)anthrac	256	11.420	11.420	(0.969)	652424	50.0000	45.3872
181	3-Methylcholanthrene	268	12.023	12.023	(1.020)	647430	50.0000	45.6497
184	Dibenz(a,j)acridine	279	12.627	12.627	(1.072)	891046	50.0000	44.9487

QC Flag Legend

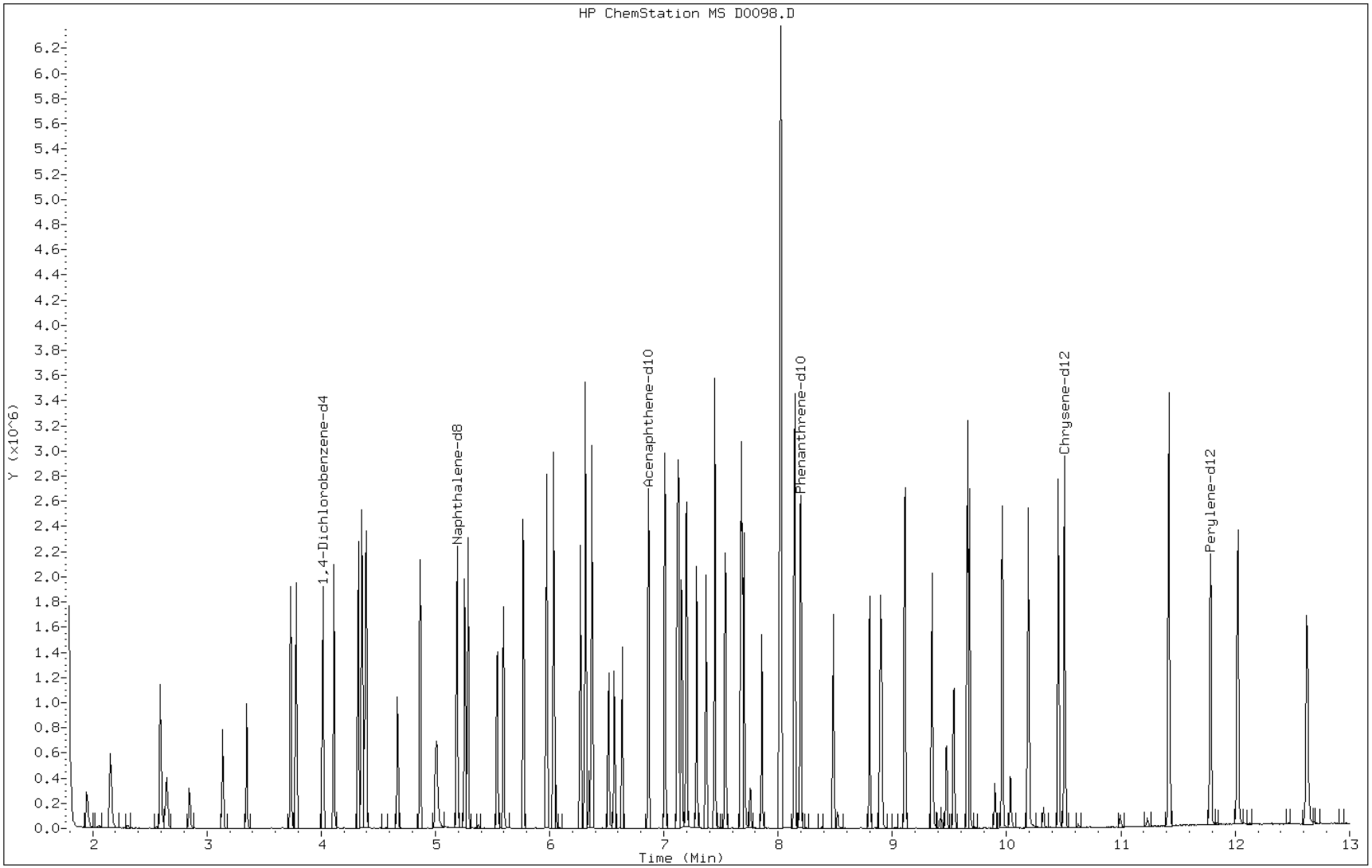
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: D0098.D

Date: 18-APR-2012 08:38

Client ID: Instrument: D.i

Sample Info: IC-1314703,,AP9050 Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0099.D
Lab Smp Id: IC-1314701
Inj Date : 18-APR-2012 08:56
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314701,,AP9020
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\8270C.m
Meth Date : 18-Apr-2012 10:25 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 08:38 Cal File: D0098.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.018	4.018	(1.000)	204975	40.0000	
* 58 Naphthalene-d8	136	5.188	5.188	(1.000)	746501	40.0000	
* 96 Acenaphthene-d10	164	6.866	6.866	(1.000)	468478	40.0000	
* 135 Phenanthrene-d10	188	8.196	8.196	(1.000)	839126	40.0000	
* 166 Chrysene-d12	240	10.509	10.509	(1.000)	955580	40.0000	
* 179 Perylene-d12	264	11.786	11.786	(1.000)	825850	40.0000	
9 2-Picoline	93	2.592	2.592	(0.645)	139326	20.0000	19.1852
10 N-Nitrosomethylethylamine	88	2.651	2.651	(0.660)	59743	20.0000	18.4783
11 Methyl methanesulfonate	80	2.848	2.848	(0.709)	40208	20.0000	17.7867
12 N-Nitrosodiethylamine	102	3.142	3.142	(0.782)	63323	20.0000	19.4586
13 Ethyl methanesulfonate	79	3.350	3.350	(0.834)	112773	20.0000	19.8954
24 Pentachloroethane	117	3.783	3.783	(0.942)	52584	20.0000	18.2410
39 N-Nitrosopyrrolidine	100	4.349	4.349	(1.082)	65215	20.0000	18.4638
40 N-Nitrosomorpholine	116	4.382	4.382	(1.090)	25827	20.0000	17.9556
42 o-Toluidine	106	4.392	4.392	(1.093)	207286	20.0000	18.6838
46 N-Nitrosopiperidine	114	4.670	4.670	(0.900)	60240	20.0000	18.7868
51 O,O,O-Triethyl phosphorothio	198	4.868	4.868	(0.938)	76168	20.0000	18.6443
55 a,a-Dimethylphenethylamine	58	5.001	5.001	(0.964)	208351	20.0000	19.3520
61 2,6-Dichlorophenol	162	5.258	5.258	(1.013)	104610	20.0000	18.1072
63 Hexachloropropene	213	5.284	5.284	(1.019)	119425	20.0000	18.1125
64 N-Nitrosodi-n-butylamine	84	5.541	5.541	(1.068)	86064	20.0000	17.9967
66 p-Phenylenediamine	108	5.594	5.594	(1.078)	154353	20.0000	19.2217

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
70	Safrole	162	5.770	5.770	(1.112)	102585	20.0000	18.0398
75	1,2,4,5-Tetrachlorobenzene	216	6.038	6.038	(1.164)	146421	20.0000	17.9765
76	Isosafrole (#1)	162	6.054	6.054	(0.882)	17089	3.50000	3.15290(a)
84	Isosafrole (#2)	104	6.267	6.267	(0.913)	60942	16.5000	14.7980
85	Biphenyl	154	6.315	6.315	(0.920)	326161	20.0000	18.1359
87	1-Chloronaphthalene	162	6.369	6.369	(0.928)	264644	20.0000	18.8713
89	1,4-Naphthoquinone	158	6.513	6.513	(0.949)	53942	20.0000	19.4357
90	1,4-Dinitrobenzene	168	6.566	6.566	(0.956)	36821	20.0000	19.0694
92	1,3-Dinitrobenzene	168	6.636	6.636	(0.967)	45245	20.0000	18.3972
100	Pentachlorobenzene	250	7.010	7.010	(1.021)	130044	20.0000	17.6706
103	1-Naphthylamine	143	7.127	7.127	(1.038)	256973	20.0000	17.7675
104	2,3,4,6-Tetrachlorophenol	232	7.154	7.154	(1.042)	69008	20.0000	19.5874
106	2-Naphthylamine	143	7.197	7.197	(1.048)	249912	20.0000	17.5860
108	Thionazin	97	7.288	7.288	(1.061)	67661	20.0000	17.8999
111	5-Nitro-o-toluidine	152	7.368	7.368	(1.073)	74577	20.0000	19.5706
114	Diphenylamine	169	7.448	7.448	(1.085)	259874	20.0000	18.1218
117	Sulfotepp	97	7.539	7.539	(0.920)	58762	20.0000	18.2115
119	Diallate (#1)	86	7.672	7.672	(0.936)	93080	14.4000	13.0989
120	1,3,5-Trinitrobenzene	213	7.678	7.678	(0.937)	23974	20.0000	19.0369
121	Phorate	121	7.688	7.688	(0.938)	52156	20.0000	17.9821
122	Phenacetin	108	7.699	7.699	(0.939)	124438	20.0000	18.5828
123	Diallate (#2)	86	7.758	7.758	(0.947)	18790	5.60000	5.44273(a)
126	Dimethoate	87	7.854	7.854	(0.958)	79095	20.0000	21.2232
130	4-Aminobiphenyl	169	8.014	8.014	(0.978)	316137	20.0000	19.4555
131	Pentachloronitrobenzene	237	8.025	8.025	(0.979)	55245	20.0000	20.2584
132	Pronamide	173	8.025	8.025	(0.979)	138646	20.0000	19.7377
133	Disulfoton	88	8.142	8.142	(0.993)	128544	20.0000	17.4582
134	2-secbutyl-4,6-dinitropheno	211	8.148	8.148	(0.994)	56716	20.0000	21.4167
142	Methyl parathion	109	8.484	8.484	(1.035)	79623	20.0000	19.6562
145	Parathion	109	8.799	8.799	(1.074)	50750	20.0000	15.7014
146	4-Nitroquinoline-1-oxide	190	8.896	8.896	(1.085)	31658	20.0000	20.3305
147	Methapyrilene	97	8.901	8.901	(1.086)	126803	20.0000	22.0642
148	Isodrin	193	9.109	9.109	(1.111)	57681	20.0000	18.5911
153	Aramite (#1)	185	9.473	9.473	(0.901)	13685	9.20000	7.28530(a)
155	Aramite (#2)	185	9.537	9.537	(0.907)	30028	10.8000	8.91465(a)
156	p-Dimethylaminoazobenzene	120	9.660	9.660	(0.919)	120481	20.0000	16.2014
157	Chlorobenzilate	251	9.676	9.676	(0.921)	126451	20.0000	19.2182
160	3,3'-Dimethylbenzidine	212	9.959	9.959	(0.948)	268933	20.0000	16.8739
161	2-Acetylaminofluorene	181	10.188	10.188	(0.970)	126657	20.0000	20.5160
M 173	Total Isosafrole	162				78031	20.0000	17.9510
M 174	Total Diallate	86				111870	20.0000	18.5416
M 175	Total Aramite	185				43713	20.0000	16.1999
176	7,12-Dimethylbenz(a)anthrac	256	11.422	11.422	(0.969)	222830	20.0000	20.9053
181	3-Methylcholanthrene	268	12.021	12.021	(1.020)	221414	20.0000	20.8669
184	Dibenz(a,j)acridine	279	12.630	12.630	(1.072)	313922	20.0000	18.9345

QC Flag Legend

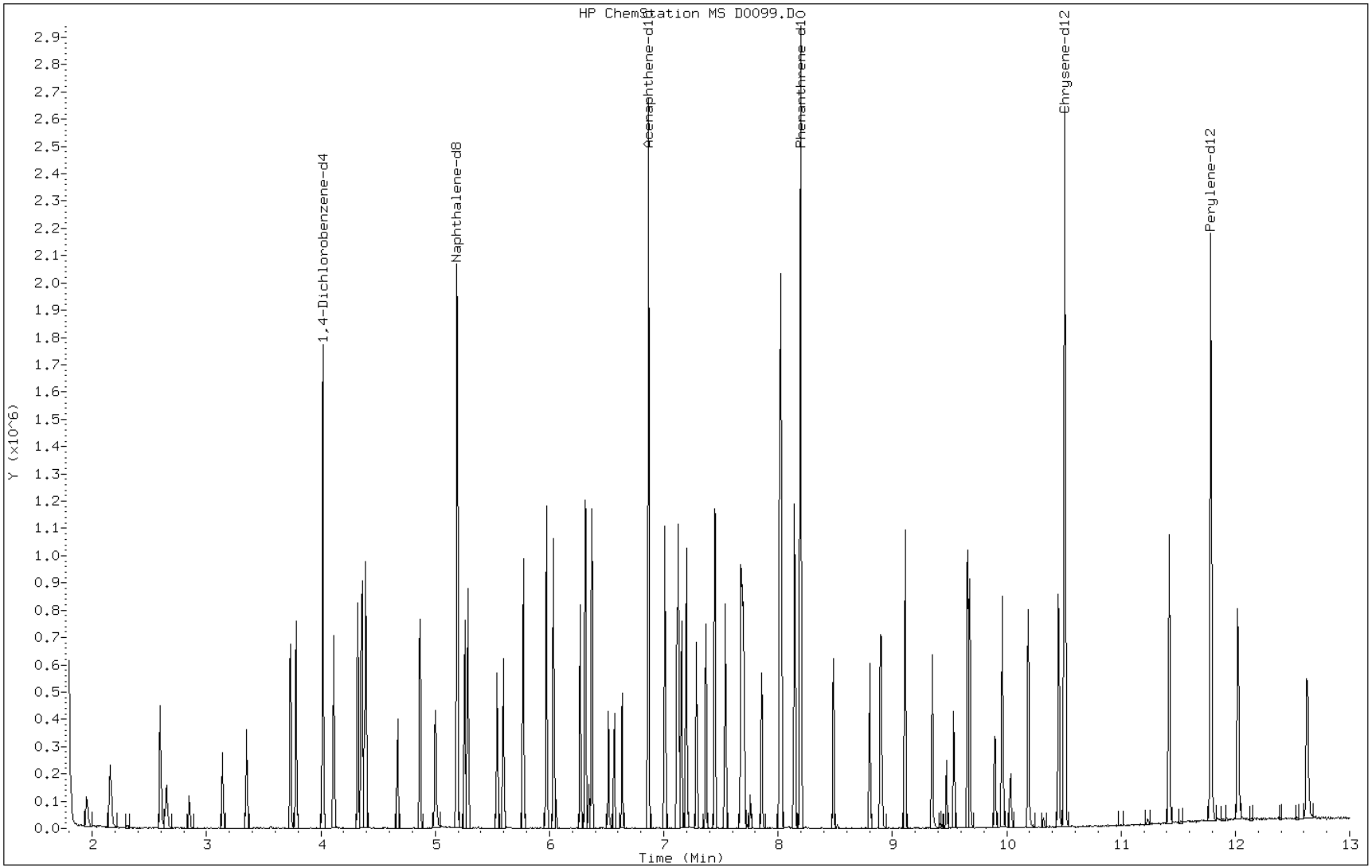
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: D0099.D

Date: 18-APR-2012 08:56

Client ID: Instrument: D.i

Sample Info: IC-1314701,,AP9020 Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0100.D
Lab Smp Id: IC-1314700
Inj Date : 18-APR-2012 09:14
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1314700,,AP9010
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\8270C.m
Meth Date : 18-Apr-2012 10:25 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 08:56 Cal File: D0099.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.015	4.015	(1.000)	202062	40.0000	
* 58 Naphthalene-d8	136	5.190	5.190	(1.000)	738891	40.0000	
* 96 Acenaphthene-d10	164	6.867	6.867	(1.000)	460467	40.0000	
* 135 Phenanthrene-d10	188	8.197	8.197	(1.000)	844363	40.0000	
* 166 Chrysene-d12	240	10.500	10.500	(1.000)	943541	40.0000	
* 179 Perylene-d12	264	11.766	11.766	(1.000)	821314	40.0000	
9 2-Picoline	93	2.594	2.594	(0.646)	70204	10.0000	9.80645
10 N-Nitrosomethylethylamine	88	2.652	2.652	(0.661)	31660	10.0000	9.93348(a)
11 Methyl methanesulfonate	80	2.850	2.850	(0.710)	20659	10.0000	9.27061(a)
12 N-Nitrosodiethylamine	102	3.138	3.138	(0.782)	27504	10.0000	8.57359(a)
13 Ethyl methanesulfonate	79	3.347	3.347	(0.834)	54019	10.0000	9.66741(a)
24 Pentachloroethane	117	3.785	3.785	(0.943)	26784	10.0000	9.42514(a)
39 N-Nitrosopyrrolidine	100	4.351	4.351	(1.084)	29793	10.0000	8.55666(a)
40 N-Nitrosomorpholine	116	4.378	4.378	(1.090)	14166	10.0000	9.99055(a)
42 o-Toluidine	106	4.394	4.394	(1.094)	101867	10.0000	9.31418(a)
46 N-Nitrosopiperidine	114	4.672	4.672	(0.900)	29442	10.0000	9.27654(a)
51 O,O,O-Triethyl phosphorothio	198	4.869	4.869	(0.938)	36045	10.0000	8.91393(a)
55 a,a-Dimethylphenethylamine	58	4.998	4.998	(0.963)	94510	10.0000	8.86865(a)
61 2,6-Dichlorophenol	162	5.259	5.259	(1.013)	49019	10.0000	8.57219(a)
63 Hexachloropropene	213	5.286	5.286	(1.019)	54599	10.0000	8.36602(a)
64 N-Nitrosodi-n-butylamine	84	5.542	5.542	(1.068)	43017	10.0000	9.08787(a)
66 p-Phenylenediamine	108	5.596	5.596	(1.078)	70361	10.0000	8.85235(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
70	Safrole	162	5.772	5.772	(1.112)	48546	10.0000	8.62484(a)
75	1,2,4,5-Tetrachlorobenzene	216	6.034	6.034	(1.163)	73180	10.0000	9.07704(a)
76	Isosafrole (#1)	162	6.055	6.055	(0.882)	8173	1.75000	1.53414(a)
84	Isosafrole (#2)	104	6.269	6.269	(0.913)	28865	8.25000	7.13099(a)
85	Biphenyl	154	6.312	6.312	(0.919)	161149	10.0000	9.11646(a)
87	1-Chloronaphthalene	162	6.370	6.370	(0.928)	127107	10.0000	9.22146(a)
89	1,4-Naphthoquinone	158	6.515	6.515	(0.949)	20183	10.0000	7.39861(a)
90	1,4-Dinitrobenzene	168	6.568	6.568	(0.956)	15022	10.0000	10.3337
92	1,3-Dinitrobenzene	168	6.638	6.638	(0.967)	17931	10.0000	7.41782(a)
100	Pentachlorobenzene	250	7.011	7.011	(1.021)	62290	10.0000	8.61131(a)
103	1-Naphthylamine	143	7.129	7.129	(1.038)	117026	10.0000	8.23213(a)
104	2,3,4,6-Tetrachlorophenol	232	7.156	7.156	(1.042)	32430	10.0000	11.2073
106	2-Naphthylamine	143	7.198	7.198	(1.048)	123100	10.0000	8.81310(a)
108	Thionazin	97	7.284	7.284	(1.061)	31112	10.0000	8.37396(a)
111	5-Nitro-o-toluidine	152	7.369	7.369	(1.073)	29504	10.0000	10.2032
114	Diphenylamine	169	7.444	7.444	(1.084)	121444	10.0000	8.61600(a)
117	Sulfotepp	97	7.535	7.535	(0.919)	26657	10.0000	8.21028(a)
119	Diallate (#1)	86	7.674	7.674	(0.936)	44316	7.20000	6.19778(a)
120	1,3,5-Trinitrobenzene	213	7.674	7.674	(0.936)	8011	10.0000	10.5754
121	Phorate	121	7.685	7.685	(0.937)	22752	10.0000	7.79567(a)
122	Phenacetin	108	7.695	7.695	(0.939)	55311	10.0000	10.3987
123	Diallate (#2)	86	7.759	7.759	(0.947)	8985	2.80000	2.58646(a)
126	Dimethoate	87	7.856	7.856	(0.958)	34884	10.0000	9.30220(a)
130	4-Aminobiphenyl	169	8.010	8.010	(0.977)	146315	10.0000	11.9233
131	Pentachloronitrobenzene	237	8.026	8.026	(0.979)	24529	10.0000	11.2584
132	Pronamide	173	8.021	8.021	(0.978)	64012	10.0000	11.3646
133	Disulfoton	88	8.139	8.139	(0.993)	59227	10.0000	7.99401(a)
134	2-secbutyl-4,6-dinitropheno	211	8.144	8.144	(0.993)	20611	10.0000	13.8219
142	Methyl parathion	109	8.481	8.481	(1.035)	31704	10.0000	7.77807(a)
145	Parathion	109	8.801	8.801	(1.074)	17341	10.0000	5.33181(a)
146	4-Nitroquinoline-1-oxide	190	8.897	8.897	(1.085)	13570	10.0000	13.6783(Q)
147	Methapyrilene	97	8.897	8.897	(1.085)	57951	10.0000	10.0211
148	Isodrin	193	9.111	9.111	(1.111)	25978	10.0000	8.32102(a)
153	Aramite (#1)	185	9.474	9.474	(0.902)	5396	4.60000	2.90925(a)
155	Aramite (#2)	185	9.533	9.533	(0.908)	12187	5.40000	3.66422(a)
156	p-Dimethylaminoazobenzene	120	9.656	9.656	(0.920)	48452	10.0000	6.59860(a)
157	Chlorobenzilate	251	9.672	9.672	(0.921)	58319	10.0000	11.9352
160	3,3'-Dimethylbenzidine	212	9.955	9.955	(0.948)	119179	10.0000	7.57315(a)
161	2-Acetylaminofluorene	181	10.179	10.179	(0.969)	46003	10.0000	13.3797
M 173	Total Isosafrole	162				37038	10.0000	8.66514(a)
M 174	Total Diallate	86				53301	10.0000	8.78424(a)
M 175	Total Aramite	185				17583	10.0000	6.57346(a)
176	7,12-Dimethylbenz(a)anthrac	256	11.403	11.403	(0.969)	95487	10.0000	13.2976
181	3-Methylcholanthrene	268	12.001	12.001	(1.020)	92432	10.0000	12.9992
184	Dibenz(a,j)acridine	279	12.605	12.605	(1.071)	134832	10.0000	10.4645

QC Flag Legend

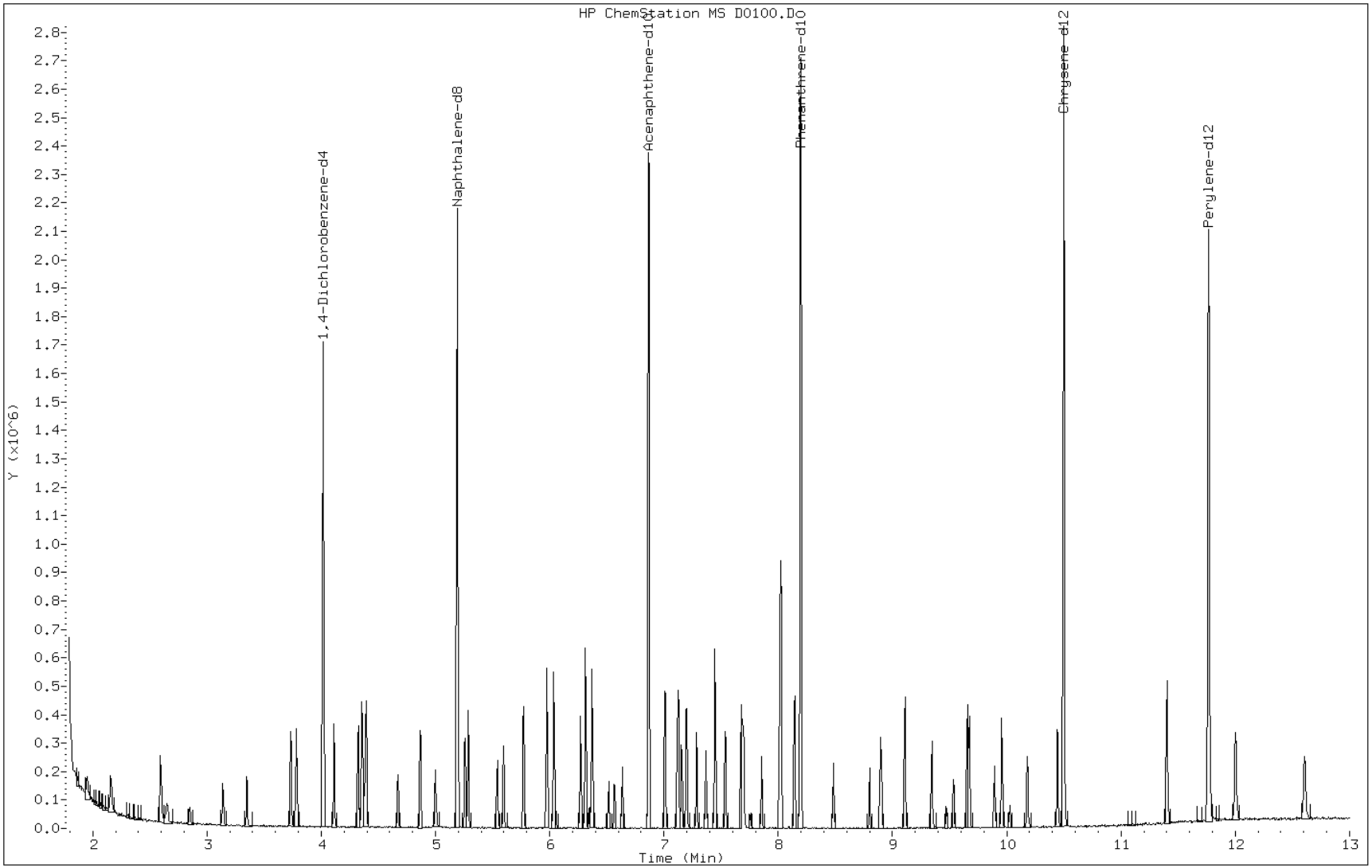
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: D0100.D

Date: 18-APR-2012 09:14

Client ID: Instrument: D.i

Sample Info: IC-1314700,,AP9010 Operator: hoffmanm



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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 116104

SDG No.:

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

Calibration Start Date: 04/18/2012 10:12 Calibration End Date: 04/18/2012 12:26 Calibration ID: 9109

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-116104/9	D0110.D
Level 2	IC 280-116104/8	D0109.D
Level 3	IC 280-116104/7	D0108.D
Level 4	IC 280-116104/6	D0107.D
Level 5	ICIS 280-116104/5	D0106.D
Level 6	IC 280-116104/4	D0105.D
Level 7	IC 280-116104/3	D0104.D
Level 8	IC 280-116104/2	D0103.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6682 0.6033	0.6174 0.5952	0.6294 0.5828	0.6111	0.6376	Ave		0.6181				4.3		15.0			
N-Nitrosodimethylamine	+++++ 0.9074	0.8743 0.8790	0.8922 0.8721	0.9201	0.9251	Ave		0.8957				2.5		15.0			
Pyridine	+++++ 1.5942	1.5424 1.5829	1.5784 1.5218	1.6287	1.6183	Ave		1.5810				2.4		15.0			
Benzaldehyde	+++++ 0.8446	0.7693 0.8323	0.7835 0.7693	0.8497	0.8380	Ave		0.8124				4.5		15.0			
Phenol	+++++ 1.8008	1.6134 1.7856	1.6531 1.7767	1.7757	1.7766	Ave		1.7403				4.3		15.0			
Aniline	+++++ 2.1457	1.9987 2.1040	2.1500 2.1884	2.1260	2.1383	Ave		2.1216				2.8		15.0			
Bis(2-chloroethyl)ether	+++++ 1.5981	1.4467 1.5794	1.3787 1.4796	1.4303	1.5257	Ave		1.4912				5.4		15.0			
2-Chlorophenol	+++++ 1.4679	1.2873 1.4610	1.3449 1.4598	1.4142	1.4150	Ave		1.4071				4.8		15.0			
1,3-Dichlorobenzene	1.6625 1.6781	1.5745 1.6820	1.6001 1.6932	1.6173	1.6535	Ave		1.6451				2.6		15.0			
1,4-Dichlorobenzene	1.6162 1.7400	1.5694 1.7094	1.6129 1.7323	1.6584	1.6911	Ave		1.6662				3.7		15.0			
Benzyl alcohol	+++++ 0.9158	0.7788 0.9124	0.8444 0.9131	0.8805	0.8908	Ave		0.8766				5.7		15.0			
1,2-Dichlorobenzene	1.5626 1.6341	1.5104 1.6514	1.5285 1.6482	1.5733	1.6032	Ave		1.5889				3.4		15.0			
2-Methylphenol	+++++ 1.3303	1.2116 1.3090	1.2097 1.3097	1.2833	1.2971	Ave		1.2787				3.8		15.0			
2,2'-oxybis[1-chloropropane]	+++++ 1.1009	1.0302 1.0679	1.0486 1.0756	1.1024	1.0745	Ave		1.0715				2.4		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 116104

SDG No.:

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

Calibration Start Date: 04/18/2012 10:12 Calibration End Date: 04/18/2012 12:26 Calibration ID: 9109

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzoic acid	+++++ 0.1963	+++++ 0.1859	0.1523 0.2099	0.1794	0.1981	Ave		0.1870				10.7		15.0			
3 & 4 Methylphenol	+++++ 1.3655	1.1583 1.3543	1.2250 1.3547	1.3054	1.3359	Ave		1.2999				6.1		15.0			
4-Methylphenol	+++++ 1.3655	1.1583 1.3543	1.2250 1.3547	1.3054	1.3359	Ave		1.2999				6.1		15.0			
N-Nitrosodi-n-propylamine	+++++ 1.1202	0.9596 1.1037	1.0576 1.0822	1.0798	1.1063	Ave		1.0728			0.0500	5.0		15.0			
Acetophenone	+++++ 2.0104	1.8340 1.9853	1.8887 1.9888	1.9731	1.9834	Ave		1.9520				3.3		15.0			
Hexachloroethane	0.6340 0.7590	0.6668 0.7471	0.6757 0.7558	0.7277	0.7499	Ave		0.7145				6.8		15.0			
Nitrobenzene	+++++ 0.4784	0.4650 0.4782	0.4694 0.4835	0.4776	0.4865	Ave		0.4769				1.6		15.0			
Isophorone	+++++ 0.7729	0.6724 0.7734	0.7183 0.7839	0.7617	0.7753	Ave		0.7511				5.4		15.0			
2,4-Dimethylphenol	+++++ 0.4282	0.3688 0.4402	0.3754 0.4549	0.4090	0.4220	Ave		0.4141				7.8		15.0			
2-Nitrophenol	+++++ 0.2162	0.1683 0.2219	0.1822 0.2312	0.2009	0.2096	Ave		0.2043				10.9		15.0			
Caprolactam	+++++ 0.1085	0.0750 0.1087	0.0945 0.1082	0.1034	0.1091	Ave		0.1011				12.5		15.0			
Bis(2-chloroethoxy)methane	+++++ 0.4460	0.4186 0.4524	0.4318 0.4637	0.4475	0.4538	Ave		0.4448				3.4		15.0			
2,4-Dichlorophenol	+++++ 0.3263	0.2767 0.3343	0.3027 0.3489	0.3203	0.3320	Ave		0.3202				7.4		15.0			
1,2,4-Trichlorobenzene	0.3890 0.4039	0.3784 0.4109	0.3786 0.4268	0.3920	0.4053	Ave		0.3981				4.2		15.0			
Naphthalene	1.1292 1.1437	1.0570 1.1560	1.0698 1.1961	1.1065	1.1443	Ave		1.1253				4.1		15.0			
4-Chloroaniline	+++++ 0.4686	0.4080 0.4657	0.4366 0.4770	0.4563	0.4725	Ave		0.4549				5.4		15.0			
Hexachlorobutadiene	+++++ 0.2829	0.2585 0.2876	0.2544 0.3031	0.2713	0.2789	Ave		0.2767				6.1		15.0			
4-Chloro-3-methylphenol	+++++ 0.3327	0.2723 0.3373	0.2891 0.3418	0.3195	0.3306	Ave		0.3176				8.4		15.0			
2-Methylnaphthalene	0.6829 0.7943	0.7225 0.8149	0.7323 0.8442	0.7602	0.7852	Ave		0.7671				6.9		15.0			
1-Methylnaphthalene	0.6631 0.7274	0.6486 0.7441	0.6720 0.7678	0.6832	0.7188	Ave		0.7031				6.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 116104

SDG No.:

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

Calibration Start Date: 04/18/2012 10:12 Calibration End Date: 04/18/2012 12:26 Calibration ID: 9109

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexachlorocyclopentadiene	+++++ 0.5300	0.3811 0.5576	0.4372 0.5634	0.4829	0.5193	Ave		0.4959			0.0500	13.5		15.0			
2,4-Dinitrophenol	+++++ 0.1962	+++++ 0.2045	0.1236 0.2054	0.1709	0.1908	Lin2	0.2141	0.2130			0.0500				0.9996		0.9900
4-Nitrophenol	+++++ 0.2780	0.2056 0.2898	0.2294 0.2846	0.2699	0.2819	Ave		0.2627			0.0500	12.3		15.0			
2,4,6-Trichlorophenol	+++++ 0.4502	0.3290 0.4625	0.3822 0.4836	0.4125	0.4322	Ave		0.4218				12.5		15.0			
2,4,5-Trichlorophenol	+++++ 0.4568	0.3608 0.4527	0.3803 0.4727	0.4322	0.4408	Ave		0.4281				9.7		15.0			
2-Chloronaphthalene	1.1292 1.2306	1.1426 1.2853	1.1644 1.3008	1.1806	1.2289	Ave		1.2078				5.3		15.0			
2-Nitroaniline	+++++ 0.3701	0.2969 0.3753	0.3276 0.3703	0.3530	0.3681	Ave		0.3516				8.3		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1550	+++++ 0.1624	0.1120 0.1650	0.1320	0.1462	Ave		0.1454				13.9		15.0			
Dimethyl phthalate	1.2974 1.3907	1.2431 1.4388	1.3141 1.4412	1.3479	1.3973	Ave		1.3588				5.2		15.0			
2,6-Dinitrotoluene	+++++ 0.3245	0.2813 0.3331	0.2915 0.3740	0.3195	0.3272	Ave		0.3216				9.4		15.0			
Acenaphthylene	1.7379 1.9901	1.7532 2.0386	1.7878 2.0694	1.8855	1.9689	Ave		1.9039				6.9		15.0			
3-Nitroaniline	+++++ 0.3215	0.2782 0.3238	0.2983 0.3268	0.3101	0.3230	Ave		0.3117				5.7		15.0			
Acenaphthene	1.1220 1.2578	1.0793 1.3008	1.1271 1.3390	1.1616	1.2189	Ave		1.2008				7.8		15.0			
Benzidine	+++++ 0.5537	+++++ 0.5533	0.4693 0.5403	0.5539	0.5632	Ave		0.5390				6.5		15.0			
2,4-Dinitrotoluene	+++++ 0.4170	0.3465 0.4350	0.3789 0.4370	0.4032	0.4201	Ave		0.4054				8.1		15.0			
Dibenzofuran	1.6914 1.7372	1.5754 1.8278	1.6533 1.8312	1.6728	1.7300	Ave		1.7149				5.1		15.0			
Diethyl phthalate	1.2010 1.4137	1.2852 1.4223	1.3289 1.4405	1.3496	1.3925	Ave		1.3542				6.0		15.0			
4-Chlorophenyl phenyl ether	+++++ 0.7630	0.6756 0.7988	0.6836 0.8139	0.7209	0.7534	Ave		0.7442				7.2		15.0			
Fluorene	1.3388 1.5163	1.3216 1.5734	1.3420 1.6033	1.4234	1.4946	Ave		1.4517				7.6		15.0			
4-Nitroaniline	+++++ 0.3131	0.2618 0.3245	0.2916 0.3227	0.3050	0.3192	Ave		0.3054				7.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 116104

SDG No.:

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

Calibration Start Date: 04/18/2012 10:12 Calibration End Date: 04/18/2012 12:26 Calibration ID: 9109

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodiphenylamine	+++++ 0.6880	0.6061 0.7300	0.6302 0.7368	0.6581	0.6816	Ave		0.6758				7.2		15.0			
1,2-Diphenylhydrazine	1.4635 1.6591	1.5646 1.6845	1.6398 1.6673	1.6772	1.6896	Ave		1.6307				4.8		15.0			
4-Bromophenyl phenyl ether	+++++ 0.2649	0.2165 0.2842	0.2336 0.2835	0.2428	0.2564	Ave		0.2546				10.0		15.0			
Hexachlorobenzene	+++++ 0.2882	0.2304 0.3158	0.2445 0.3255	0.2637	0.2738	Ave		0.2774				12.6		15.0			
Atrazine	+++++ 0.2355	0.1735 0.2470	0.2046 0.2470	0.2281	0.2361	Ave		0.2246				11.9		15.0			
Pentachlorophenol	+++++ 0.1785	+++++ 0.1920	0.1254 0.2013	0.1528	0.1699	Lin2	0.1968	0.1967							0.9956		0.9900
Phenanthrene	1.0746 1.1715	1.0713 1.2428	1.0865 1.2512	1.1058	1.1658	Ave		1.1462				6.4		15.0			
Anthracene	0.9472 1.1940	1.0052 1.2886	1.0715 1.2903	1.1414	1.1955	Ave		1.1417				11.0		15.0			
Carbazole	0.8827 1.1053	0.9397 1.1614	1.0091 1.1517	1.0371	1.0882	Ave		1.0469				9.5		15.0			
Di-n-butyl phthalate	0.8189 1.2694	1.0165 1.3076	1.1256 1.2957	1.2032	1.2675	Ave		1.1631				14.7		15.0			
Fluoranthene	1.0474 1.4115	1.1279 1.4800	1.2365 1.4827	1.3053	1.3760	Ave		1.3084				12.3		15.0			
Pyrene	1.0472 1.1587	1.0659 1.1770	1.1216 1.1296	1.1413	1.1844	Ave		1.1282				4.4		15.0			
Famphur	0.2654 0.3817	0.3370 0.3586	0.4056	0.4289	0.4191	Lin2	0.0350	0.4092							0.9934		0.9900
Butyl benzyl phthalate	0.3057 0.5017	0.3838 0.5139	0.4364 0.5135	0.4671	0.4975	Lin2	0.0425	0.5013							0.9979		0.9900
Bis(2-ethylhexyl) phthalate	0.2970 0.6117	0.4008 0.6179	0.5017 0.6102	0.5823	0.6176	Lin2	0.0569	0.6101							0.9956		0.9900
3,3'-Dichlorobenzidine	+++++ 0.4133	0.3049 0.4233	0.3595 0.4061	0.3879	0.4176	Ave		0.3875				10.9		15.0			
Benzo[a]anthracene	1.0232 1.1793	1.0601 1.2053	1.1029 1.1837	1.1540	1.1845	Ave		1.1366				5.9		15.0			
Chrysene	1.0007 1.0856	0.9726 1.1128	1.0026 1.0776	1.0375	1.0746	Ave		1.0455				4.7		15.0			
Di-n-octyl phthalate	0.4336 0.9692	0.5708 0.9878	0.7674 0.9738	0.9119	0.9781	Lin2	0.0627	0.9659							0.9921		0.9900
Benzo[b]fluoranthene	1.0228 1.5515	1.0824 1.5491	1.1255 1.6576	1.3169	1.4816	Qua	0.0699	0.7017	-0.013						0.9993		0.9900

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 116104

SDG No.:

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

Calibration Start Date: 04/18/2012 10:12 Calibration End Date: 04/18/2012 12:26 Calibration ID: 9109

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzo[k]fluoranthene	1.1678 1.4537	1.2204 1.6724	1.3727 1.6171	1.3478	1.4177	Ave		1.4087				12.4		15.0			
Benzo[a]pyrene	0.8565 1.3432	0.9911 1.4205	1.0618 1.4620	1.2077	1.2895	Lin2	0.0424	1.3403							0.9911		0.9900
Dibenz(a,h)anthracene	0.8564 1.4248	0.9596 1.5077	1.0566 1.5756	1.1534	1.3363	Lin1	0.0801	1.5067							0.9925		0.9900
Indeno[1,2,3-cd]pyrene	0.9243 1.3788	1.0329 1.4235	1.0969 1.4443	1.2012	1.3399	Lin2	0.0375	1.3518							0.9922		0.9900
Benzo[g,h,i]perylene	0.9277 1.2001	0.9574 1.2695	1.0360 1.3156	1.1162	1.1862	Ave		1.1261				12.6		15.0			
2-Fluorophenol (Surr)	+++++ 1.3481	1.2415 1.3396	1.2743 1.3350	1.3241	1.3248	Ave		1.3125				3.0		15.0			
Phenol-d5 (Surr)	+++++ 1.7704	1.5622 1.7396	1.6119 1.7476	1.7061	1.7201	Ave		1.6940				4.6		15.0			
Nitrobenzene-d5 (Surr)	+++++ 0.4858	0.4474 0.4856	0.4528 0.4902	0.4769	0.5004	Ave		0.4770				4.1		15.0			
2-Fluorobiphenyl	+++++ 1.4934	1.3553 1.5371	1.3841 1.5532	1.4150	1.4649	Ave		1.4576				5.2		15.0			
2,4,6-Tribromophenol (Surr)	0.1257 0.2451	0.1623 0.2659	0.1773 0.2867	0.2043	0.2267	Qua	0.1203	4.5859	-0.543						0.9997		0.9900
Terphenyl-d14 (Surr)	+++++ 0.8340	0.7218 0.8631	0.7511 0.8568	0.7933	0.8432	Ave		0.8090				6.8		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 116104

SDG No.:

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

Calibration Start Date: 04/18/2012 10:12 Calibration End Date: 04/18/2012 12:26 Calibration ID: 9109

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-116104/9	D0110.D
Level 2	IC 280-116104/8	D0109.D
Level 3	IC 280-116104/7	D0108.D
Level 4	IC 280-116104/6	D0107.D
Level 5	ICIS 280-116104/5	D0106.D
Level 6	IC 280-116104/4	D0105.D
Level 7	IC 280-116104/3	D0104.D
Level 8	IC 280-116104/2	D0103.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	14012 394086	32842 534843	67158 652564	161719	274025	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	+++++ 592770	46505 789849	95206 976428	243493	397585	+++++ 120	10.0 160	20.0 200	50.0	80.0
Pyridine	DCB	Ave	+++++ 1041407	82042 1422358	168434 1703961	431027	695501	+++++ 120	10.0 160	20.0 200	50.0	80.0
Benzaldehyde	DCB	Ave	+++++ 551719	40918 747928	83605 861327	224864	360138	+++++ 120	10.0 160	20.0 200	50.0	80.0
Phenol	DCB	Ave	+++++ 1176346	85821 1604580	176405 1989280	469926	763526	+++++ 120	10.0 160	20.0 200	50.0	80.0
Aniline	DCB	Ave	+++++ 1401697	106312 1890620	229423 2450330	562631	919001	+++++ 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	+++++ 1043960	76955 1419283	147120 1656660	378525	655719	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Chlorophenol	DCB	Ave	+++++ 958886	68473 1312852	143518 1634483	374264	608121	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	34863 1096193	83749 1511438	170741 1895792	428003	710651	4.00 120	10.0 160	20.0 200	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	33893 1136672	83481 1536083	172107 1939585	438887	726779	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzyl alcohol	DCB	Ave	+++++ 598266	41428 819896	90106 1022386	233028	382845	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	32768 1067473	80339 1483993	163104 1845404	416380	688996	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylphenol	DCB	Ave	+++++ 869000	64445 1176275	129090 1466433	339631	557466	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	+++++ 719134	54798 959649	111897 1204372	291750	461809	+++++ 120	10.0 160	20.0 200	50.0	80.0
Benzoic acid	NPT	Ave	+++++ 474117	+++++ 609267	59200 834763	173627	307390	+++++ 120	+++++ 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 116104

SDG No.:

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

Calibration Start Date: 04/18/2012 10:12 Calibration End Date: 04/18/2012 12:26 Calibration ID: 9109

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
3 & 4 Methylphenol	DCB	Ave	+++++ 892043	61613 1217019	130724 1516850	345463	574131	+++++ 120	10.0 160	20.0 200	50.0	80.0
4-Methylphenol	DCB	Ave	+++++ 892043	61613 1217019	130724 1516850	345463	574131	+++++ 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	+++++ 731803	51043 991785	112861 1211715	285776	475475	+++++ 120	10.0 160	20.0 200	50.0	80.0
Acetophenone	DCB	Ave	+++++ 1313313	97556 1784043	201541 2226847	522170	852418	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachloroethane	DCB	Ave	13295 495819	35469 671373	72108 846304	192591	322293	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene	NPT	Ave	+++++ 1155427	89684 1566995	182463 1922916	462359	754815	+++++ 120	10.0 160	20.0 200	50.0	80.0
Isophorone	NPT	Ave	+++++ 1866704	129678 2534635	279183 3117242	737398	1202939	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	+++++ 1034113	71136 1442700	145915 1809194	395933	654841	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Nitrophenol	NPT	Ave	+++++ 522251	32454 727058	70811 919432	194464	325179	+++++ 120	10.0 160	20.0 200	50.0	80.0
Caprolactam	NPT	Ave	+++++ 262021	14474 356066	36747 430177	100142	169299	+++++ 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	+++++ 1077288	80733 1482594	167844 1843880	433199	704161	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	+++++ 788071	53372 1095618	117662 1387504	310023	515141	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	28760 975405	72971 1346714	147172 1697234	379462	628833	4.00 120	10.0 160	20.0 200	50.0	80.0
Naphthalene	NPT	Ave	83473 2762257	203845 3788454	415820 4756521	1071133	1775521	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloroaniline	NPT	Ave	+++++ 1131765	78680 1526047	169694 1897009	441720	733093	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobutadiene	NPT	Ave	+++++ 683202	49856 942567	98888 1205332	262633	432673	+++++ 120	10.0 160	20.0 200	50.0	80.0
4-Chloro-3-methylphenol	NPT	Ave	+++++ 803481	52516 1105227	112383 1359443	309267	512999	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Methylnaphthalene	NPT	Ave	50485 1918363	139338 2670678	284648 3357158	735890	1218390	4.00 120	10.0 160	20.0 200	50.0	80.0
1-Methylnaphthalene	NPT	Ave	49018 1756755	125092 2438492	261203 3053266	661391	1115358	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorocyclopentadiene	ANT	Ave	+++++ 804800	45559 1129843	104638 1414578	293594	504349	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrophenol	ANT	Lin2	+++++ 297905	+++++ 414399	29576 515671	103877	185347	+++++ 120	+++++ 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 116104

SDG No.:

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

Calibration Start Date: 04/18/2012 10:12 Calibration End Date: 04/18/2012 12:26 Calibration ID: 9109

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Nitrophenol	ANT	Ave	+++++ 422138	24580 587204	54899 714653	164106	273770	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	+++++ 683705	39330 937191	91481 1214254	250804	419825	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	+++++ 693760	43143 917331	91007 1186983	262770	428176	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Chloronaphthalene	ANT	Ave	51362 1868850	136607 2604104	278680 3266204	717814	1193598	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitroaniline	ANT	Ave	+++++ 562025	35497 760353	78402 929876	214595	357543	+++++ 120	10.0 160	20.0 200	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 424733	+++++ 584047	47939 740780	143958	255178	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Dimethyl phthalate	ANT	Ave	59017 2111966	148626 2915188	314486 3618837	819535	1357101	4.00 120	10.0 160	20.0 200	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	+++++ 492751	33631 674930	69775 845132	194247	317822	+++++ 120	10.0 160	20.0 180	50.0	80.0
Acenaphthylene	ANT	Ave	79050 3022231	209608 4130508	427874 5196288	1146365	1912351	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Nitroaniline	ANT	Ave	+++++ 488194	33256 656013	71382 820629	188554	313714	+++++ 120	10.0 160	20.0 200	50.0	80.0
Acenaphthene	ANT	Ave	51035 1910154	129036 2635567	269736 3362143	706267	1183894	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzidine	CRY	Ave	+++++ 1895802	+++++ 2581122	237166 3260800	723499	1189800	+++++ 120	+++++ 160	20.0 200	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	+++++ 633226	41423 881374	90670 1097346	245173	407991	+++++ 120	10.0 160	20.0 200	50.0	80.0
Dibenzofuran	ANT	Ave	76937 2638175	188353 3703417	395664 4597963	1017026	1680267	4.00 120	10.0 160	20.0 200	50.0	80.0
Diethyl phthalate	ANT	Ave	54631 2146851	153659 2881709	318046 3617032	820527	1352524	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	+++++ 1158746	80777 1618573	163611 2043588	438301	731709	+++++ 120	10.0 160	20.0 200	50.0	80.0
Fluorene	ANT	Ave	60899 2302614	158013 3188010	321172 4025920	865410	1451625	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Nitroaniline	ANT	Ave	+++++ 475426	31303 657384	69781 810181	185432	310007	+++++ 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	+++++ 1885838	131491 2625443	269628 3308033	717849	1189482	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2-Diphenylhydrazine	ANT	Ave	67303 2547193	189118 3450494	396748 4232505	1030944	1659060	4.04 121	10.1 162	20.2 202	50.5	80.9
4-Bromophenyl phenyl ether	PHN	Ave	+++++ 726163	46970 1022010	99950 1272767	264785	447508	+++++ 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 116104

SDG No.:

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

Calibration Start Date: 04/18/2012 10:12 Calibration End Date: 04/18/2012 12:26 Calibration ID: 9109

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Hexachlorobenzene	PHN	Ave	+++++ 789963	49998 1135624	104613 1461285	287592	477826	+++++ 120	10.0 160	20.0 200	50.0	80.0
Atrazine	PHN	Ave	+++++ 645573	37651 888445	87554 1109132	248774	411998	+++++ 120	10.0 160	20.0 200	50.0	80.0
Pentachlorophenol	PHN	Lin2	+++++ 489242	+++++ 690627	53646 903784	166674	296457	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Phenanthrene	PHN	Ave	89765 3210832	232438 4469917	464861 5617678	1206183	2034392	4.00 120	10.0 160	20.0 200	50.0	80.0
Anthracene	PHN	Ave	79126 3272666	218084 4634641	458445 5793334	1245000	2086174	4.00 120	10.0 160	20.0 200	50.0	80.0
Carbazole	PHN	Ave	73735 3029471	203879 4177110	431750 5171182	1131199	1898933	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	68406 3479232	220542 4702808	481602 5817750	1312376	2211892	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluoranthene	PHN	Ave	87490 3868650	244723 5322830	529045 6657347	1423795	2401164	4.00 120	10.0 160	20.0 200	50.0	80.0
Pyrene	CRY	Ave	99652 3967129	268311 5490140	566748 6817409	1490866	2502428	4.00 120	10.0 160	20.0 200	50.0	80.0
Famphur	CRY	Lin2	25254 1306917	84824 1672699	204979	560315	885364	4.00 120	10.0 160	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Lin2	29087 1717824	96602 2397094	220501 3099208	610211	1051033	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Lin2	28263 2094185	100892 2882130	253521 3682703	760694	1304760	4.00 120	10.0 160	20.0 200	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	+++++ 1415019	76756 1974378	181681 2450702	506680	882182	+++++ 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]anthracene	CRY	Ave	97359 4037780	266863 5622308	557328 7144150	1507357	2502509	4.00 120	10.0 160	20.0 200	50.0	80.0
Chrysene	CRY	Ave	95225 3716845	244830 5190968	506625 6503703	1355237	2270472	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-octyl phthalate	CRY	Lin2	41263 3318361	143688 4607954	387759 5877506	1191171	2066492	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[b]fluoranthene	PRY	Qua	85095 4337726	238669 5776347	493963 7851119	1481689	2625338	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	97161 4064425	269092 6235967	602432 7659240	1516482	2512165	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]pyrene	PRY	Lin2	71258 3755342	218522 5296808	465980 6924685	1358860	2284952	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenz(a,h)anthracene	PRY	Lin1	71255 3983502	211590 5622020	463684 7462768	1297796	2367846	4.00 120	10.0 160	20.0 200	50.0	80.0
Indeno[1,2,3-cd]pyrene	CRY	Lin2	87953 4720728	260011 6639940	554293 8716895	1569057	2830794	4.00 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 116104

SDG No.:

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

Calibration Start Date: 04/18/2012 10:12 Calibration End Date: 04/18/2012 12:26 Calibration ID: 9109

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzo[g,h,i]perylene	PRY	Ave	77187 3355252	211108 4733642	454673 6231393	1255868	2102002	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorophenol (Surr)	DCB	Ave	+++++ 1321007	99055 1805625	203973 2242116	525620	854017	+++++ 180	15.0 240	30.0 300	75.0	120
Phenol-d5 (Surr)	DCB	Ave	+++++ 1734799	124645 2344785	258011 2935102	677261	1108868	+++++ 180	15.0 240	30.0 300	75.0	120
Nitrobenzene-d5 (Surr)	NPT	Ave	+++++ 1173414	86280 1591448	176001 1949331	461695	776412	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	+++++ 2267873	162038 3114441	331259 3900017	860337	1422814	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Tribromophenol (Surr)	ANT	Qua	8574 558216	29101 808267	63643 1079822	186349	330251	6.00 180	15.0 240	30.0 300	75.0	120
Terphenyl-d14 (Surr)	CRY	Ave	+++++ 2855437	181684 4025880	379524 5171277	1036289	1781411	+++++ 120	10.0 160	20.0 200	50.0	80.0

Curve Type Legend:

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

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0103.D
Lab Smp Id: IC-1363236
Inj Date : 18-APR-2012 10:12
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1363236,,HSL200
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\8270C.m
Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 11 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.021	4.021	(1.000)	223936	40.0000	
* 58 Naphthalene-d8	136	5.191	5.191	(1.000)	795348	40.0000	
* 96 Acenaphthene-d10	164	6.869	6.869	(1.000)	502193	40.0000	
* 135 Phenanthrene-d10	188	8.199	8.199	(1.000)	897983	40.0000	
* 166 Chrysene-d12	240	10.501	10.501	(1.000)	1207080	40.0000	
* 179 Perylene-d12	264	11.762	11.762	(1.000)	947291	40.0000	
$ 22 2-Chlorophenol-d4	132	3.824	3.824	(0.951)	2475800	300.000	315.052
$ 29 1,2-Dichlorobenzene-d4	152	4.160	4.160	(1.035)	1223918	200.000	206.921
$ 8 2-Fluorophenol	112	2.958	2.958	(0.736)	2242116	300.000	305.143
$ 15 Phenol-d5	99	3.658	3.658	(0.910)	2935102	300.000	309.493
$ 43 Nitrobenzene-d5	82	4.518	4.518	(0.870)	1949331	200.000	205.518(A)
$ 81 2-Fluorobiphenyl	172	6.217	6.217	(0.905)	3900017	200.000	213.119(A)
$ 118 2,4,6-Tribromophenol	330	7.585	7.585	(1.104)	1079822	300.000	298.772
$ 154 Terphenyl-d14	244	9.540	9.540	(0.908)	5171277	200.000	211.815(A)
4 1,4-Dioxane	88	1.954	1.954	(0.486)	652564	200.000	188.578
5 N-Nitrosodimethylamine	74	2.120	2.120	(0.527)	976428	200.000	194.715
6 Pyridine	79	2.162	2.162	(0.538)	1703961	200.000	192.520
14 Benzaldehyde	106	3.658	3.658	(0.910)	861327	200.000	189.389
16 Phenol	94	3.669	3.669	(0.912)	1989280	200.000	204.182(A)
18 Aniline	93	3.744	3.744	(0.931)	2450330	200.000	206.301(A)
19 Methyl Styrene	118	3.765	3.765	(0.936)	1856708	200.000	215.352(A)
20 Bis(2-chloroethyl) ether	93	3.765	3.765	(0.936)	1656660	200.000	198.438

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
21	Decane	43	3.808	3.808	(0.947)	1080942	200.000	206.414(A)
23	2-Chlorophenol	128	3.840	3.840	(0.955)	1634483	200.000	207.480(A)
25	1,3-Dichlorobenzene	146	3.973	3.973	(0.988)	1895792	200.000	205.839(A)
27	1,4-Dichlorobenzene	146	4.037	4.037	(1.004)	1939585	200.000	207.930(A)
28	Benzyl alcohol	108	4.117	4.117	(1.024)	1022386	200.000	208.338(A)
30	1,2-Dichlorobenzene	146	4.171	4.171	(1.037)	1845404	200.000	207.452(A)
32	2-Methylphenol	108	4.192	4.192	(1.043)	1466433	200.000	204.851(A)
34	2,2'-oxybis(1-chloropropane)	45	4.219	4.219	(1.049)	1204372	200.000	200.781(A)
35	1H-Indene	116	4.246	4.246	(1.056)	2466501	200.000	204.553(A)
138	3-Methylphenol	108	4.331	4.331	(1.077)	1516850	200.000	208.436(A)
36	4-Methylphenol	108	4.331	4.331	(1.077)	1516850	200.000	208.436(A)
139	3 & 4-Methylphenol	108	4.331	4.331	(1.077)	1516850	200.000	208.436(A)
37	N-nitrosodi-n-propylamine	70	4.347	4.347	(1.081)	1211715	200.000	201.753(A)
38	Acetophenone	105	4.363	4.363	(1.085)	2226847	200.000	203.776(A)
41	Hexachloroethane	117	4.475	4.475	(1.113)	846304	200.000	211.568(A)
44	Nitrobenzene	77	4.534	4.534	(0.873)	1922916	200.000	202.764(A)
47	Isophorone	82	4.737	4.737	(0.913)	3117242	200.000	208.718(A)
50	2,4-Dimethylphenol	107	4.823	4.823	(0.929)	1809194	200.000	219.731(A)
49	2-Nitrophenol	139	4.828	4.828	(0.930)	919432	200.000	226.319(A)
53	Benzoic acid	122	4.913	4.913	(0.946)	834763	200.000	224.523(A)
52	Bis(2-chloroethoxy)methane	93	4.919	4.919	(0.948)	1843880	200.000	208.465(A)
54	2,4-Dichlorophenol	162	5.042	5.042	(0.971)	1387504	200.000	217.945(A)
56	n-Dodecane	43	5.106	5.106	(0.984)	1150839	200.000	214.671(A)
57	1,2,4-Trichlorobenzene	180	5.127	5.127	(0.988)	1697234	200.000	214.406(A)
59	Naphthalene	128	5.218	5.218	(1.005)	4756521	200.000	212.577(A)
60	4-Chloroaniline	127	5.255	5.255	(1.012)	1897009	200.000	209.708(A)
62	Hexachlorobutadiene	225	5.303	5.303	(1.022)	1205332	200.000	219.105(A)
67	Caprolactam	55	5.613	5.613	(1.081)	430177	200.000	214.064(AH)
68	4-Chloro-3-methylphenol	107	5.704	5.704	(1.099)	1359443	200.000	215.259(A)
71	2-Methylnaphthalene	142	5.880	5.880	(1.133)	3357158	200.000	220.108(A)
72	1-Methylnaphthalene	142	5.977	5.977	(1.151)	3053266	200.000	218.390(A)
74	Hexachlorocyclopentadiene	237	6.014	6.014	(0.876)	1414578	200.000	227.201(A)
78	2,4,6-Trichlorophenol	196	6.142	6.142	(0.894)	1214254	200.000	229.316(A)
79	2,3-Dichlorobenzeneamine	161	6.153	6.153	(0.896)	1761285	200.000	215.347(A)
80	2,4,5-Trichlorophenol	196	6.180	6.180	(0.900)	1186983	200.000	220.864(A)
83	Tetradecane	43	6.238	6.238	(0.908)	1203085	200.000	211.878(A)
86	2-Chloronaphthalene	162	6.351	6.351	(0.925)	3266204	200.000	215.396(A)
88	2-Nitroaniline	65	6.447	6.447	(0.939)	929876	200.000	210.647(A)
91	Dimethyl phthalate	163	6.586	6.586	(0.959)	3618837	200.000	212.128(A)
93	2,6-Dinitrotoluene	165	6.660	6.660	(0.970)	845132	180.000	209.322(A)
94	Acenaphthylene	152	6.746	6.746	(0.982)	5196288	200.000	217.386(A)
95	3-Nitroaniline	138	6.831	6.831	(0.995)	820629	200.000	209.729(A)
97	Acenaphthene	153	6.901	6.901	(1.005)	3362143	200.000	223.014(A)
98	2,4-Dinitrophenol	184	6.922	6.922	(1.008)	515671	200.000	201.434(A)
99	4-Nitrophenol	109	6.960	6.960	(1.013)	714653	200.000	216.652(A)
101	2,4-Dinitrotoluene	165	7.034	7.034	(1.024)	1097346	200.000	215.613(A)
102	Dibenzofuran	168	7.056	7.056	(1.027)	4597963	200.000	213.562(A)
105	Hexadecane	57	7.184	7.184	(1.046)	1517957	200.000	215.724(A)
107	Diethyl phthalate	149	7.216	7.216	(1.051)	3617032	200.000	212.742(A)
109	4-Chlorophenyl phenyl ether	204	7.344	7.344	(1.069)	2043588	200.000	218.728(A)
110	Fluorene	166	7.366	7.366	(1.072)	4025920	200.000	220.894(A)
112	4-Nitroaniline	138	7.398	7.398	(1.077)	810181	200.000	211.308(A)
113	4,6-Dinitro-2-methylphenol	198	7.403	7.403	(0.903)	740780	200.000	226.891(A)
115	N-nitrosodiphenylamine	169	7.451	7.451	(0.909)	3308033	200.000	218.034(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
116	Azobenzene	77	7.488	7.488	(1.090)	4232505	200.000	204.488(A)
234	1,2-DPH(as Azobenzene)	77	7.488	7.488	(1.090)	4232505	202.195	206.733(A)
242	2,4,6 - Tribromophenol	330	7.585	7.585	(1.104)	1079822	300.000	298.772(A)
124	4-Bromophenyl phenyl ether	248	7.782	7.782	(0.949)	1272767	200.000	222.721(A)
125	Hexachlorobenzene	284	7.852	7.852	(0.958)	1461285	200.000	234.641(A)
127	Atrazine	200	7.900	7.900	(0.964)	1109132	200.000	220.007(A)
128	n-Octadecane	85	7.991	7.991	(0.975)	899029	200.000	219.147(A)
129	Pentachlorophenol	266	8.023	8.023	(0.979)	903784	200.000	212.520(A)
136	Phenanthrene	178	8.220	8.220	(1.003)	5617678	200.000	218.319(A)
137	Anthracene	178	8.268	8.268	(1.008)	5793334	200.000	226.027(A)
140	Carbazole	167	8.402	8.402	(1.025)	5171182	200.000	220.026(A)
141	Alachlor	188	8.471	8.471	(1.033)	813679	200.000	231.334(A)
143	Di-n-butyl phthalate	149	8.626	8.626	(1.052)	5817750	200.000	222.815(A)
144	n-Eicosane	43	8.701	8.701	(1.061)	1325131	200.000	221.439(A)
149	Fluoranthene	202	9.251	9.251	(1.128)	6657347	200.000	226.645(A)
150	n-docosane	43	9.342	9.342	(1.139)	1416474	200.000	211.884(A)
151	Benzidine	184	9.347	9.347	(0.890)	3260800	200.000	200.493(A)
152	Pyrene	202	9.454	9.454	(0.900)	6817409	200.000	200.240(A)
158	Famphur	218	9.898	9.898	(0.943)	1888194	200.000	154.304
159	Butyl benzyl phthalate	149	9.924	9.924	(0.945)	3099208	200.000	206.568(A)
162	Bis(2-ethylhexyl) phthalate	149	10.373	10.373	(0.988)	3682703	200.000	202.304(A)
164	3 3'-Dichlorobenzidine	252	10.448	10.448	(0.995)	2450702	200.000	209.576(AH)
165	Benzo(a)anthracene	228	10.491	10.491	(0.999)	7144150	200.000	208.284(AH)
167	Chrysene	228	10.528	10.528	(1.003)	6503703	200.000	206.136(A)
168	Di-n-octyl phthalate	149	10.923	10.923	(1.040)	5877506	200.000	204.144(A)
171	Benzo(b)fluoranthene	252	11.426	11.426	(0.971)	7851119	200.000	200.647(AH)
172	Benzo(k)fluoranthene	252	11.447	11.447	(0.973)	7659240	200.000	229.586(A)
178	Benzo(a)pyrene	252	11.714	11.714	(0.996)	6924685	200.000	219.861(A)
185	Dibenz(a,h)anthracene	278	12.841	12.841	(1.092)	7462768	200.000	212.346(A)
186	Indeno(1,2,3-cd)pyrene	276	12.847	12.847	(1.223)	8716895	200.000	215.184(A)
188	Benzo(g,h,i)perylene	276	13.183	13.183	(1.121)	6231393	200.000	233.662(A)

QC Flag Legend

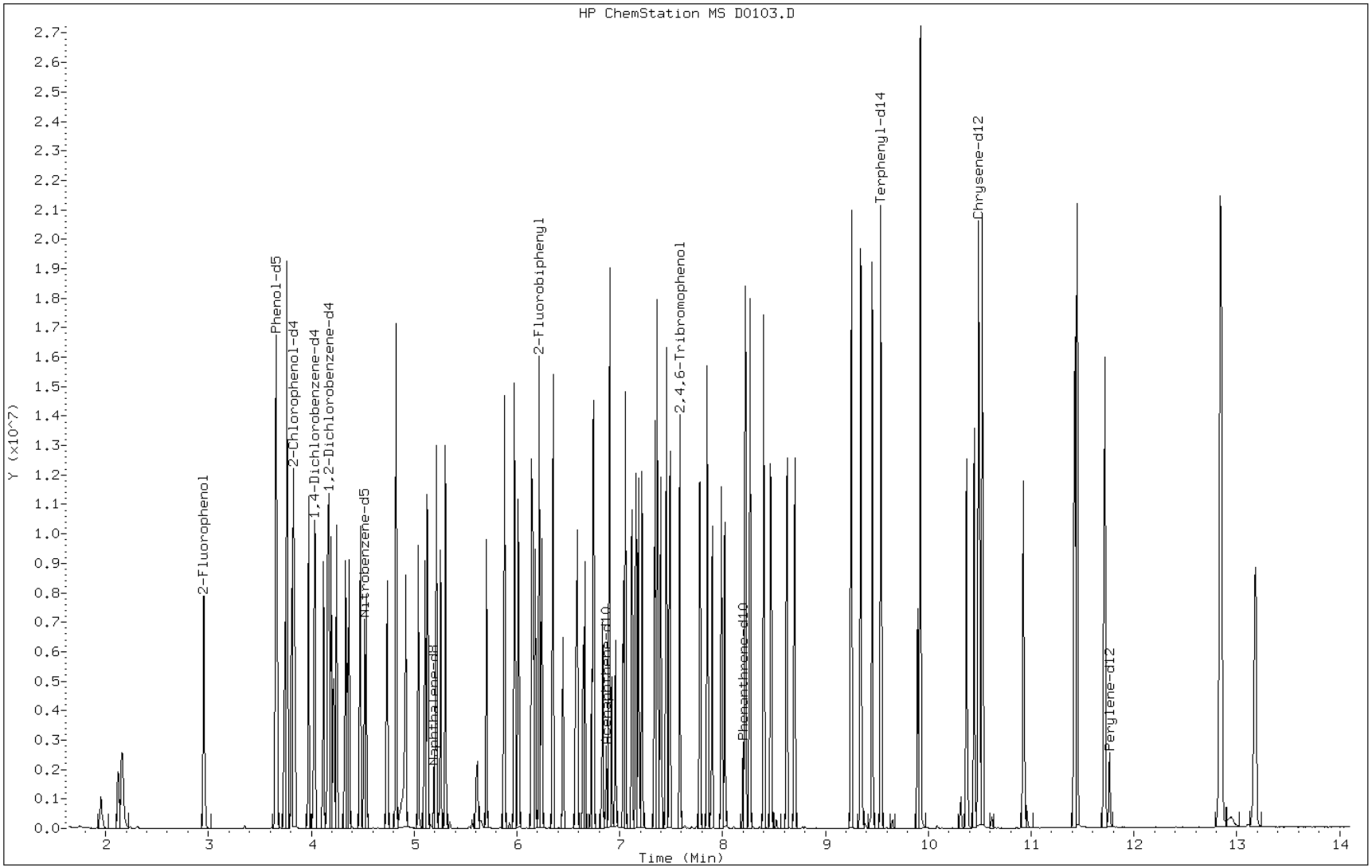
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: D0103.D

Date: 18-APR-2012 10:12

Client ID: Instrument: D.i

Sample Info: IC-1363236,,HSL200 Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0104.D
Lab Smp Id: IC-1363235
Inj Date : 18-APR-2012 10:32
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1363235,,HSL160
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\8270C.m
Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 10:12 Cal File: D0103.D
Als bottle: 12 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.018	4.018	(1.000)	224651	40.0000	
* 58 Naphthalene-d8	136	5.193	5.193	(1.000)	819280	40.0000	
* 96 Acenaphthene-d10	164	6.865	6.865	(1.000)	506536	40.0000	
* 135 Phenanthrene-d10	188	8.201	8.201	(1.000)	899133	40.0000	
* 166 Chrysene-d12	240	10.503	10.503	(1.000)	1166159	40.0000	
* 179 Perylene-d12	264	11.764	11.764	(1.000)	932215	40.0000	
$ 22 2-Chlorophenol-d4	132	3.825	3.825	(0.952)	1977612	240.000	250.855
$ 29 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.036)	983558	160.000	165.755
$ 8 2-Fluorophenol	112	2.955	2.955	(0.735)	1805625	240.000	244.956
$ 15 Phenol-d5	99	3.654	3.654	(0.910)	2344785	240.000	246.460
$ 43 Nitrobenzene-d5	82	4.515	4.515	(0.869)	1591448	160.000	162.885
$ 81 2-Fluorobiphenyl	172	6.213	6.213	(0.905)	3114441	160.000	168.732
$ 118 2,4,6-Tribromophenol	330	7.586	7.586	(1.105)	808267	240.000	242.186
$ 154 Terphenyl-d14	244	9.541	9.541	(0.908)	4025880	160.000	170.686
4 1,4-Dioxane	88	1.956	1.956	(0.487)	534843	160.000	154.067
5 N-Nitrosodimethylamine	74	2.121	2.121	(0.528)	789849	160.000	157.007
6 Pyridine	79	2.159	2.159	(0.537)	1422358	160.000	160.192
14 Benzaldehyde	106	3.660	3.660	(0.911)	747928	160.000	163.931
16 Phenol	94	3.665	3.665	(0.912)	1604580	160.000	164.172
18 Aniline	93	3.740	3.740	(0.931)	1890620	160.000	158.671
19 Methyl Styrene	118	3.761	3.761	(0.936)	1463668	160.000	169.224
20 Bis(2-chloroethyl) ether	93	3.761	3.761	(0.936)	1419283	160.000	169.464

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
21	Decane	43	3.809	3.809	(0.948)	873988	160.000	166.363
23	2-Chlorophenol	128	3.836	3.836	(0.955)	1312852	160.000	166.122
25	1,3-Dichlorobenzene	146	3.975	3.975	(0.989)	1511438	160.000	163.585
27	1,4-Dichlorobenzene	146	4.034	4.034	(1.004)	1536083	160.000	164.149
28	Benzyl alcohol	108	4.119	4.119	(1.025)	819896	160.000	166.544
30	1,2-Dichlorobenzene	146	4.173	4.173	(1.039)	1483993	160.000	166.293
32	2-Methylphenol	108	4.194	4.194	(1.044)	1176275	160.000	163.795
34	2,2'-oxybis(1-chloropropane)	45	4.215	4.215	(1.049)	959649	160.000	159.474
35	1H-Indene	116	4.247	4.247	(1.057)	1991005	160.000	164.594
138	3-Methylphenol	108	4.328	4.328	(1.077)	1217019	160.000	166.702
36	4-Methylphenol	108	4.328	4.328	(1.077)	1217019	160.000	166.702
139	3 & 4-Methylphenol	108	4.328	4.328	(1.077)	1217019	160.000	166.702
37	N-nitrosodi-n-propylamine	70	4.344	4.344	(1.081)	991785	160.000	164.608
38	Acetophenone	105	4.365	4.365	(1.086)	1784043	160.000	162.736
41	Hexachloroethane	117	4.477	4.477	(1.114)	671373	160.000	167.302
44	Nitrobenzene	77	4.536	4.536	(0.873)	1566995	160.000	160.407
47	Isophorone	82	4.734	4.734	(0.912)	2534635	160.000	164.752
50	2,4-Dimethylphenol	107	4.824	4.824	(0.929)	1442700	160.000	170.101
49	2-Nitrophenol	139	4.824	4.824	(0.929)	727058	160.000	173.738
53	Benzoic acid	122	4.905	4.905	(0.944)	609267	160.000	159.085
52	Bis(2-chloroethoxy)methane	93	4.915	4.915	(0.947)	1482594	160.000	162.722
54	2,4-Dichlorophenol	162	5.038	5.038	(0.970)	1095618	160.000	167.069
56	n-Dodecane	43	5.102	5.102	(0.983)	914137	160.000	165.537
57	1,2,4-Trichlorobenzene	180	5.129	5.129	(0.988)	1346714	160.000	165.157
59	Naphthalene	128	5.214	5.214	(1.004)	3788454	160.000	164.367
60	4-Chloroaniline	127	5.257	5.257	(1.012)	1526047	160.000	163.771
62	Hexachlorobutadiene	225	5.305	5.305	(1.022)	942567	160.000	166.334
67	Caprolactam	55	5.604	5.604	(1.079)	356066	160.000	172.010
68	4-Chloro-3-methylphenol	107	5.700	5.700	(1.098)	1105227	160.000	169.893
71	2-Methylnaphthalene	142	5.877	5.877	(1.132)	2670678	160.000	169.985
72	1-Methylnaphthalene	142	5.978	5.978	(1.151)	2438492	160.000	169.322
74	Hexachlorocyclopentadiene	237	6.016	6.016	(0.876)	1129843	160.000	179.913
78	2,4,6-Trichlorophenol	196	6.144	6.144	(0.895)	937191	160.000	175.475
79	2,3-Dichlorobenzeneamine	161	6.155	6.155	(0.897)	1378351	160.000	167.082
80	2,4,5-Trichlorophenol	196	6.176	6.176	(0.900)	917331	160.000	169.226
83	Tetradecane	43	6.240	6.240	(0.909)	967407	160.000	168.911
86	2-Chloronaphthalene	162	6.352	6.352	(0.925)	2604104	160.000	170.260
88	2-Nitroaniline	65	6.448	6.448	(0.939)	760353	160.000	170.768
91	Dimethyl phthalate	163	6.587	6.587	(0.960)	2915188	160.000	169.416
93	2,6-Dinitrotoluene	165	6.662	6.662	(0.970)	674930	160.000	165.733
94	Acenaphthylene	152	6.742	6.742	(0.982)	4130508	160.000	171.318
95	3-Nitroaniline	138	6.833	6.833	(0.995)	656013	160.000	166.220
97	Acenaphthene	153	6.897	6.897	(1.005)	2635567	160.000	173.321
98	2,4-Dinitrophenol	184	6.918	6.918	(1.008)	414399	160.000	162.228
99	4-Nitrophenol	109	6.956	6.956	(1.013)	587204	160.000	176.488
101	2,4-Dinitrotoluene	165	7.036	7.036	(1.025)	881374	160.000	171.693
102	Dibenzofuran	168	7.052	7.052	(1.027)	3703417	160.000	170.538
105	Hexadecane	57	7.186	7.186	(1.047)	1208752	160.000	170.308
107	Diethyl phthalate	149	7.218	7.218	(1.051)	2881709	160.000	168.040
109	4-Chlorophenyl phenyl ether	204	7.341	7.341	(1.069)	1618573	160.000	171.753
110	Fluorene	166	7.362	7.362	(1.072)	3188010	160.000	173.420
112	4-Nitroaniline	138	7.394	7.394	(1.077)	657384	160.000	169.986
113	4,6-Dinitro-2-methylphenol	198	7.399	7.399	(0.902)	584047	160.000	178.657
115	N-nitrosodiphenylamine	169	7.453	7.453	(0.909)	2625443	160.000	172.823

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
116 Azobenzene	77	7.485	7.485	(1.090)	3450494	160.000	165.277
234 1,2-DPH(as Azobenzene)	77	7.485	7.485	(1.090)	3450494	161.756	167.091
242 2,4,6 - Tribromophenol	330	7.586	7.586	(1.105)	808267	240.000	242.186(A)
124 4-Bromophenyl phenyl ether	248	7.779	7.779	(0.949)	1022010	160.000	178.612
125 Hexachlorobenzene	284	7.853	7.853	(0.958)	1135624	160.000	182.116
127 Atrazine	200	7.896	7.896	(0.963)	888445	160.000	176.007
128 n-Octadecane	85	7.987	7.987	(0.974)	714180	160.000	173.866
129 Pentachlorophenol	266	8.019	8.019	(0.978)	690627	160.000	164.053
136 Phenanthrene	178	8.222	8.222	(1.003)	4469917	160.000	173.491
137 Anthracene	178	8.265	8.265	(1.008)	4634641	160.000	180.589
140 Carbazole	167	8.404	8.404	(1.025)	4177110	160.000	177.503
141 Alachlor	188	8.468	8.468	(1.033)	639347	160.000	181.538
143 Di-n-butyl phthalate	149	8.623	8.623	(1.051)	4702808	160.000	179.884
144 n-Eicosane	43	8.697	8.697	(1.061)	1051581	160.000	175.502
149 Fluoranthene	202	9.253	9.253	(1.128)	5322830	160.000	180.980
150 n-docosane	43	9.338	9.338	(1.139)	1120943	160.000	168.318
151 Benzidine	184	9.349	9.349	(0.890)	2581122	160.000	164.271
152 Pyrene	202	9.456	9.456	(0.900)	5490140	160.000	166.914
158 Famphur	218	9.899	9.899	(0.943)	1672699	160.000	141.607
159 Butyl benzyl phthalate	149	9.921	9.921	(0.945)	2397094	160.000	165.716
162 Bis(2-ethylhexyl) phthalate	149	10.375	10.375	(0.988)	2882130	160.000	164.313
164 3 3'-Dichlorobenzidine	252	10.450	10.450	(0.995)	1974378	160.000	174.767
165 Benzo(a)anthracene	228	10.492	10.492	(0.999)	5622308	160.000	169.668(H)
167 Chrysene	228	10.530	10.530	(1.003)	5190968	160.000	170.302
168 Di-n-octyl phthalate	149	10.925	10.925	(1.040)	4607954	160.000	166.137
171 Benzo(b)fluoranthene	252	11.427	11.427	(0.971)	5776347	160.000	157.279(H)
172 Benzo(k)fluoranthene	252	11.449	11.449	(0.973)	6235967	160.000	189.946
178 Benzo(a)pyrene	252	11.721	11.721	(0.996)	5296808	160.000	171.272
185 Dibenz(a,h)anthracene	278	12.843	12.843	(1.092)	5622020	160.000	163.308(H)
186 Indeno(1,2,3-cd)pyrene	276	12.848	12.848	(1.223)	6639940	160.000	169.982
188 Benzo(g,h,i)perylene	276	13.185	13.185	(1.121)	4733642	160.000	180.370

QC Flag Legend

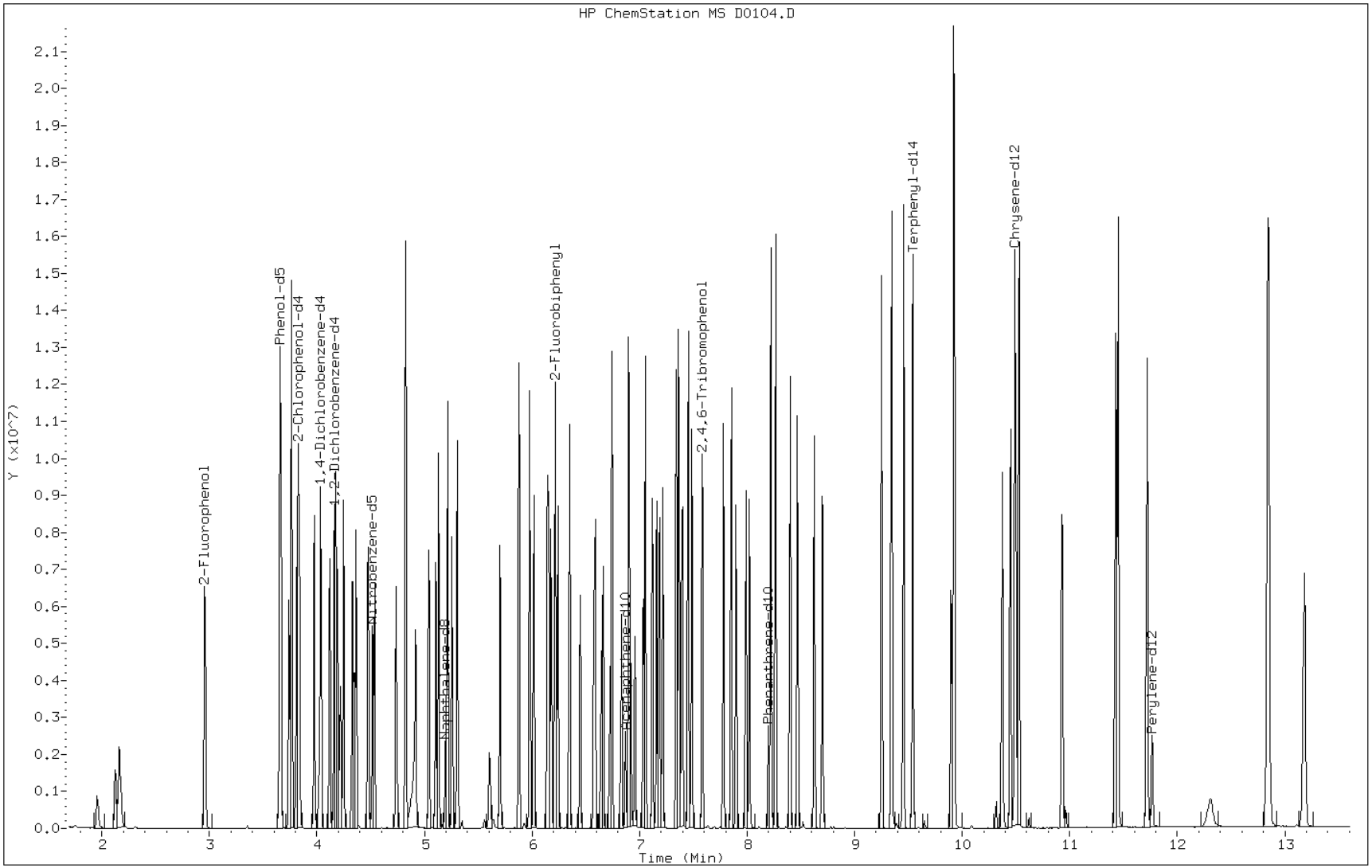
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: D0104.D

Date: 18-APR-2012 10:32

Client ID: Instrument: D.i

Sample Info: IC-1363235,,HSL160 Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0105.D
Lab Smp Id: IC-1363234
Inj Date : 18-APR-2012 10:51
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1363234,,HSL120
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\8270C.m
Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 10:32 Cal File: D0104.D
Als bottle: 13 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.017	4.017	(1.000)	217750	40.0000	
* 58 Naphthalene-d8	136	5.192	5.192	(1.000)	805077	40.0000	
* 96 Acenaphthene-d10	164	6.869	6.869	(1.000)	506205	40.0000	
* 135 Phenanthrene-d10	188	8.199	8.199	(1.000)	913623	40.0000	
* 166 Chrysene-d12	240	10.507	10.507	(1.000)	1141256	40.0000	
* 179 Perylene-d12	264	11.779	11.779	(1.000)	931958	40.0000	
$ 22 2-Chlorophenol-d4	132	3.824	3.824	(0.952)	1443559	180.000	188.915
$ 29 1,2-Dichlorobenzene-d4	152	4.161	4.161	(1.036)	710306	120.000	123.499
$ 8 2-Fluorophenol	112	2.959	2.959	(0.737)	1321007	180.000	184.891
$ 15 Phenol-d5	99	3.653	3.653	(0.910)	1734799	180.000	188.123
$ 43 Nitrobenzene-d5	82	4.513	4.513	(0.869)	1173414	120.000	122.218
$ 81 2-Fluorobiphenyl	172	6.217	6.217	(0.905)	2267873	120.000	122.947
$ 118 2,4,6-Tribromophenol	330	7.585	7.585	(1.104)	558216	180.000	180.669
$ 154 Terphenyl-d14	244	9.540	9.540	(0.908)	2855437	120.000	123.704
4 1,4-Dioxane	88	1.954	1.954	(0.487)	394086	120.000	117.118
5 N-Nitrosodimethylamine	74	2.120	2.120	(0.528)	592770	120.000	121.566
6 Pyridine	79	2.157	2.157	(0.537)	1041407	120.000	121.005
14 Benzaldehyde	106	3.659	3.659	(0.911)	551719	120.000	124.758
16 Phenol	94	3.664	3.664	(0.912)	1176346	120.000	124.171
18 Aniline	93	3.739	3.739	(0.931)	1401697	120.000	121.366
19 Methyl Styrene	118	3.765	3.765	(0.937)	1059352	120.000	126.360
20 Bis(2-chloroethyl) ether	93	3.760	3.760	(0.936)	1043960	120.000	128.600

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
21	Decane	43	3.808	3.808	(0.948)	627013	120.000	123.134
23	2-Chlorophenol	128	3.840	3.840	(0.956)	958886	120.000	125.178
25	1,3-Dichlorobenzene	146	3.974	3.974	(0.989)	1096193	120.000	122.402
27	1,4-Dichlorobenzene	146	4.033	4.033	(1.004)	1136672	120.000	125.316
28	Benzyl alcohol	108	4.118	4.118	(1.025)	598266	120.000	125.376
30	1,2-Dichlorobenzene	146	4.171	4.171	(1.039)	1067473	120.000	123.410
32	2-Methylphenol	108	4.193	4.193	(1.044)	869000	120.000	124.842
34	2,2'-oxybis(1-chloropropane)	45	4.214	4.214	(1.049)	719134	120.000	123.293
35	1H-Indene	116	4.246	4.246	(1.057)	1451795	120.000	123.822
138	3-Methylphenol	108	4.326	4.326	(1.077)	892043	120.000	126.061
36	4-Methylphenol	108	4.326	4.326	(1.077)	892043	120.000	126.061
139	3 & 4-Methylphenol	108	4.326	4.326	(1.077)	892043	120.000	126.061
37	N-nitrosodi-n-propylamine	70	4.342	4.342	(1.081)	731803	120.000	125.308
38	Acetophenone	105	4.364	4.364	(1.086)	1313313	120.000	123.594
41	Hexachloroethane	117	4.476	4.476	(1.114)	495819	120.000	127.471
44	Nitrobenzene	77	4.535	4.535	(0.873)	1155427	120.000	120.363
47	Isophorone	82	4.732	4.732	(0.912)	1866704	120.000	123.477
50	2,4-Dimethylphenol	107	4.823	4.823	(0.929)	1034113	120.000	124.078
49	2-Nitrophenol	139	4.823	4.823	(0.929)	522251	120.000	126.999
53	Benzoic acid	122	4.898	4.898	(0.943)	474117	120.000	125.980
52	Bis(2-chloroethoxy)methane	93	4.914	4.914	(0.947)	1077288	120.000	120.324
54	2,4-Dichlorophenol	162	5.037	5.037	(0.970)	788071	120.000	122.292
56	n-Dodecane	43	5.101	5.101	(0.983)	673562	120.000	124.124
57	1,2,4-Trichlorobenzene	180	5.128	5.128	(0.988)	975405	120.000	121.731
59	Naphthalene	128	5.213	5.213	(1.004)	2762257	120.000	121.958
60	4-Chloroaniline	127	5.256	5.256	(1.012)	1131765	120.000	123.601
62	Hexachlorobutadiene	225	5.304	5.304	(1.022)	683202	120.000	122.691
67	Caprolactam	55	5.598	5.598	(1.078)	262021	120.000	128.811
68	4-Chloro-3-methylphenol	107	5.699	5.699	(1.098)	803481	120.000	125.688
71	2-Methylnaphthalene	142	5.876	5.876	(1.132)	1918363	120.000	124.256
72	1-Methylnaphthalene	142	5.977	5.977	(1.151)	1756755	120.000	124.136
74	Hexachlorocyclopentadiene	237	6.014	6.014	(0.876)	804800	120.000	128.238
78	2,4,6-Trichlorophenol	196	6.143	6.143	(0.894)	683705	120.000	128.097
79	2,3-Dichlorobenzeneamine	161	6.153	6.153	(0.896)	996496	120.000	120.873
80	2,4,5-Trichlorophenol	196	6.175	6.175	(0.899)	693760	120.000	128.066
83	Tetradecane	43	6.239	6.239	(0.908)	701273	120.000	122.524
86	2-Chloronaphthalene	162	6.351	6.351	(0.925)	1868850	120.000	122.268
88	2-Nitroaniline	65	6.447	6.447	(0.939)	562025	120.000	126.308
91	Dimethyl phthalate	163	6.586	6.586	(0.959)	2111966	120.000	122.817
93	2,6-Dinitrotoluene	165	6.661	6.661	(0.970)	492751	120.000	121.077
94	Acenaphthylene	152	6.741	6.741	(0.981)	3022231	120.000	125.432
95	3-Nitroaniline	138	6.832	6.832	(0.995)	488194	120.000	123.779
97	Acenaphthene	153	6.901	6.901	(1.005)	1910154	120.000	125.698
98	2,4-Dinitrophenol	184	6.917	6.917	(1.007)	297905	120.000	119.103
99	4-Nitrophenol	109	6.955	6.955	(1.012)	422138	120.000	126.960
101	2,4-Dinitrotoluene	165	7.035	7.035	(1.024)	633226	120.000	123.434
102	Dibenzofuran	168	7.051	7.051	(1.026)	2638175	120.000	121.564
105	Hexadecane	57	7.184	7.184	(1.046)	867941	120.000	122.369
107	Diethyl phthalate	149	7.216	7.216	(1.051)	2146851	120.000	125.270
109	4-Chlorophenyl phenyl ether	204	7.339	7.339	(1.068)	1158746	120.000	123.040
110	Fluorene	166	7.361	7.361	(1.072)	2302614	120.000	125.338
112	4-Nitroaniline	138	7.393	7.393	(1.076)	475426	120.000	123.016
113	4,6-Dinitro-2-methylphenol	198	7.398	7.398	(0.902)	424733	120.000	127.863
115	N-nitrosodiphenylamine	169	7.452	7.452	(0.909)	1885838	120.000	122.168

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
116	Azobenzene	77	7.484	7.484	(1.089)	2547193	120.000	122.089
234	1,2-DPH(as Azobenzene)	77	7.484	7.484	(1.089)	2547193	121.317	123.429
242	2,4,6 - Tribromophenol	330	7.585	7.585	(1.104)	558216	180.000	180.669
124	4-Bromophenyl phenyl ether	248	7.777	7.777	(0.949)	726163	120.000	124.896
125	Hexachlorobenzene	284	7.852	7.852	(0.958)	789963	120.000	124.674
127	Atrazine	200	7.895	7.895	(0.963)	645573	120.000	125.864
128	n-Octadecane	85	7.986	7.986	(0.974)	518339	120.000	124.187
129	Pentachlorophenol	266	8.018	8.018	(0.978)	489242	120.000	116.756
136	Phenanthrene	178	8.221	8.221	(1.003)	3210832	120.000	122.646
137	Anthracene	178	8.264	8.264	(1.008)	3272666	120.000	125.497
140	Carbazole	167	8.397	8.397	(1.024)	3029471	120.000	126.693
141	Alachlor	188	8.467	8.467	(1.033)	448611	120.000	125.359
143	Di-n-butyl phthalate	149	8.621	8.621	(1.051)	3479232	120.000	130.971
144	n-Eicosane	43	8.696	8.696	(1.061)	754145	120.000	123.866
149	Fluoranthene	202	9.252	9.252	(1.128)	3868650	120.000	129.451
150	n-docosane	43	9.343	9.343	(1.139)	786875	120.000	117.543
151	Benzidine	184	9.348	9.348	(0.890)	1895802	120.000	123.288
152	Pyrene	202	9.455	9.455	(0.900)	3967129	120.000	123.243
158	Famphur	218	9.898	9.898	(0.942)	1306917	120.000	113.337
159	Butyl benzyl phthalate	149	9.925	9.925	(0.945)	1717824	120.000	121.803
162	Bis(2-ethylhexyl) phthalate	149	10.379	10.379	(0.988)	2094185	120.000	122.583
164	3 3'-Dichlorobenzidine	252	10.454	10.454	(0.995)	1415019	120.000	127.987
165	Benzo(a)anthracene	228	10.497	10.497	(0.999)	4037780	120.000	124.509
167	Chrysene	228	10.534	10.534	(1.003)	3716845	120.000	124.601
168	Di-n-octyl phthalate	149	10.935	10.935	(1.041)	3318361	120.000	122.914
171	Benzo(b)fluoranthene	252	11.437	11.437	(0.971)	4337726	120.000	122.471(H)
172	Benzo(k)fluoranthene	252	11.463	11.463	(0.973)	4064425	120.000	123.836
178	Benzo(a)pyrene	252	11.731	11.731	(0.996)	3755342	120.000	121.955
185	Dibenz(a,h)anthracene	278	12.858	12.858	(1.092)	3983502	120.000	116.678
186	Indeno(1,2,3-cd)pyrene	276	12.863	12.863	(1.224)	4720728	120.000	123.898
188	Benzo(g,h,i)perylene	276	13.194	13.194	(1.120)	3355252	120.000	127.884

QC Flag Legend

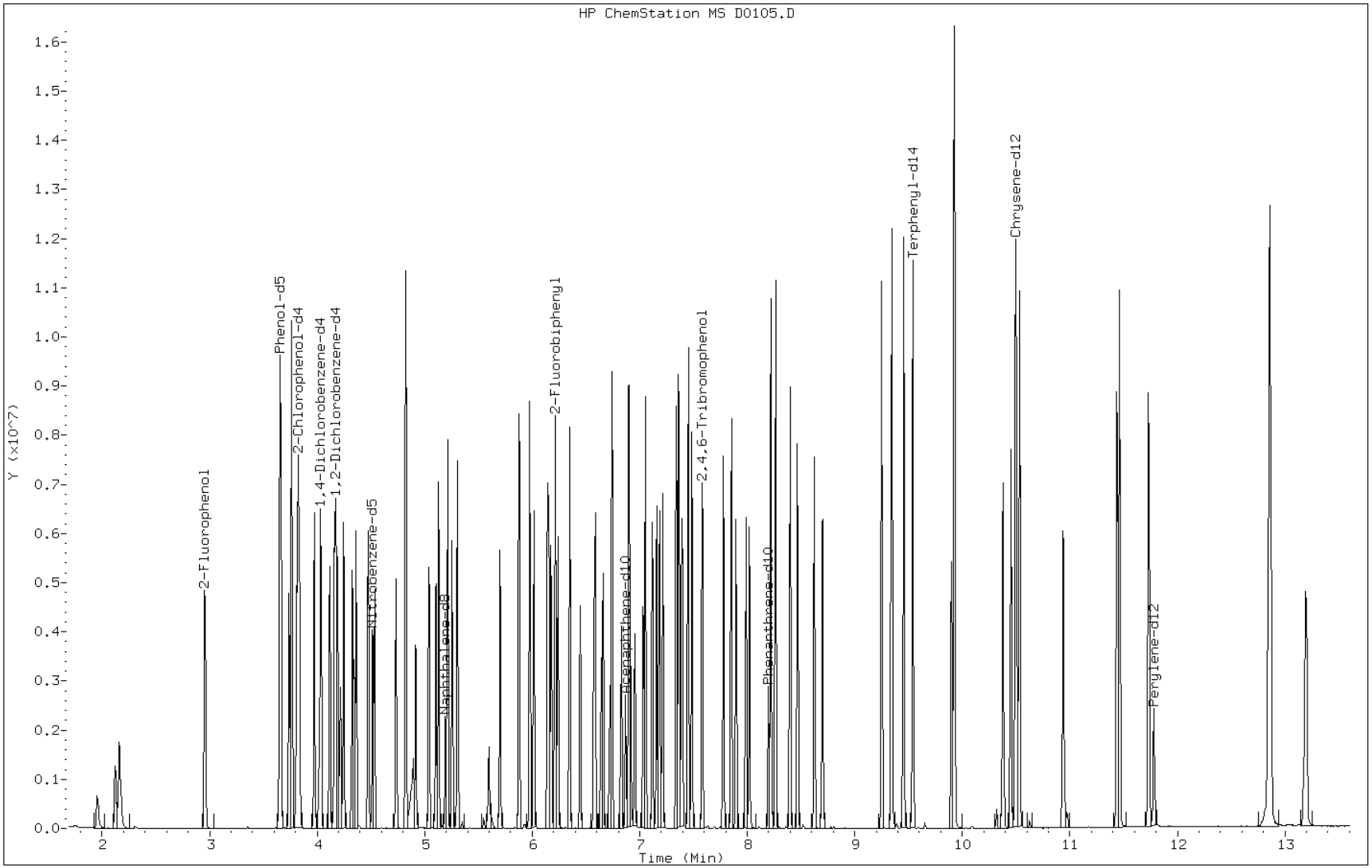
H - Operator selected an alternate compound hit.

Data File: D0105.D

Date: 18-APR-2012 10:51

Client ID: Instrument: D.i

Sample Info: IC-1363234,,HSL120 Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0106.D
Lab Smp Id: ICIS-1363233
Inj Date : 18-APR-2012 11:10
Operator : hoffmanm Inst ID: D.i
Smp Info : ICIS-1363233,,HSL080
Misc Info :
Comment :
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Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 10:51 Cal File: D0105.D
Als bottle: 14 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.016	4.016	(1.000)	214887	40.0000	
* 58 Naphthalene-d8	136	5.192	5.192	(1.000)	775811	40.0000	
* 96 Acenaphthene-d10	164	6.869	6.869	(1.000)	485631	40.0000	
* 135 Phenanthrene-d10	188	8.199	8.199	(1.000)	872524	40.0000	
* 166 Chrysene-d12	240	10.523	10.523	(1.000)	1056378	40.0000	
* 179 Perylene-d12	264	11.821	11.821	(1.000)	885987	40.0000	
$ 22 2-Chlorophenol-d4	132	3.824	3.824	(0.952)	922340	120.000	122.313
$ 29 1,2-Dichlorobenzene-d4	152	4.161	4.161	(1.036)	457015	80.0000	80.5186
$ 8 2-Fluorophenol	112	2.953	2.953	(0.735)	854017	120.000	121.123
$ 15 Phenol-d5	99	3.653	3.653	(0.910)	1108868	120.000	121.849
$ 43 Nitrobenzene-d5	82	4.513	4.513	(0.869)	776412	80.0000	83.9185
$ 81 2-Fluorobiphenyl	172	6.212	6.212	(0.904)	1422814	80.0000	80.4022
$ 118 2,4,6-Tribromophenol	330	7.580	7.580	(1.103)	330251	120.000	119.505
$ 154 Terphenyl-d14	244	9.546	9.546	(0.907)	1781411	80.0000	83.3758
4 1,4-Dioxane	88	1.954	1.954	(0.487)	274025	80.0000	82.5225
5 N-Nitrosodimethylamine	74	2.120	2.120	(0.528)	397585	80.0000	82.6234
6 Pyridine	79	2.157	2.157	(0.537)	695501	80.0000	81.8896
14 Benzaldehyde	106	3.659	3.659	(0.911)	360138	80.0000	82.5218
16 Phenol	94	3.664	3.664	(0.912)	763526	80.0000	81.6692
18 Aniline	93	3.739	3.739	(0.931)	919001	80.0000	80.6320
19 Methyl Styrene	118	3.760	3.760	(0.936)	677295	80.0000	81.8646
20 Bis(2-chloroethyl) ether	93	3.760	3.760	(0.936)	655719	80.0000	81.8510

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
21 Decane	43	3.808	3.808	(0.948)	405146	80.0000	80.6234
23 2-Chlorophenol	128	3.835	3.835	(0.955)	608121	80.0000	80.4451
25 1,3-Dichlorobenzene	146	3.974	3.974	(0.989)	710651	80.0000	80.4096
27 1,4-Dichlorobenzene	146	4.032	4.032	(1.004)	726779	80.0000	81.1939
28 Benzyl alcohol	108	4.118	4.118	(1.025)	382845	80.0000	81.3001
30 1,2-Dichlorobenzene	146	4.171	4.171	(1.039)	688996	80.0000	80.7154
32 2-Methylphenol	108	4.187	4.187	(1.043)	557466	80.0000	81.1538
34 2,2'-oxybis(1-chloropropane)	45	4.214	4.214	(1.049)	461809	80.0000	80.2302
35 1H-Indene	116	4.246	4.246	(1.057)	937208	80.0000	80.9982
138 3-Methylphenol	108	4.326	4.326	(1.077)	574131	80.0000	82.2156
36 4-Methylphenol	108	4.326	4.326	(1.077)	574131	80.0000	82.2156
139 3 & 4-Methylphenol	108	4.326	4.326	(1.077)	574131	80.0000	82.2156
37 N-nitrosodi-n-propylamine	70	4.342	4.342	(1.081)	475475	80.0000	82.5013
38 Acetophenone	105	4.364	4.364	(1.086)	852418	80.0000	81.2883
41 Hexachloroethane	117	4.476	4.476	(1.114)	322293	80.0000	83.9629
44 Nitrobenzene	77	4.535	4.535	(0.873)	754815	80.0000	81.5966
47 Isophorone	82	4.732	4.732	(0.912)	1202939	80.0000	82.5724
50 2,4-Dimethylphenol	107	4.823	4.823	(0.929)	654841	80.0000	81.5350
49 2-Nitrophenol	139	4.823	4.823	(0.929)	325179	80.0000	82.0587
53 Benzoic acid	122	4.882	4.882	(0.940)	307390	80.0000	84.7596
52 Bis(2-chloroethoxy)methane	93	4.914	4.914	(0.946)	704161	80.0000	81.6156
54 2,4-Dichlorophenol	162	5.037	5.037	(0.970)	515141	80.0000	82.9546
56 n-Dodecane	43	5.101	5.101	(0.983)	424654	80.0000	81.2072
57 1,2,4-Trichlorobenzene	180	5.128	5.128	(0.988)	628833	80.0000	81.4390
59 Naphthalene	128	5.213	5.213	(1.004)	1775521	80.0000	81.3494
60 4-Chloroaniline	127	5.256	5.256	(1.012)	733093	80.0000	83.0816
62 Hexachlorobutadiene	225	5.304	5.304	(1.022)	432673	80.0000	80.6318
67 Caprolactam	55	5.587	5.587	(1.076)	169299	80.0000	86.3680
68 4-Chloro-3-methylphenol	107	5.699	5.699	(1.098)	512999	80.0000	83.2756
71 2-Methylnaphthalene	142	5.875	5.875	(1.132)	1218390	80.0000	81.8941
72 1-Methylnaphthalene	142	5.977	5.977	(1.151)	1115358	80.0000	81.7869
74 Hexachlorocyclopentadiene	237	6.014	6.014	(0.876)	504349	80.0000	83.7683
78 2,4,6-Trichlorophenol	196	6.143	6.143	(0.894)	419825	80.0000	81.9895
79 2,3-Dichlorobenzeneamine	161	6.153	6.153	(0.896)	637841	80.0000	80.6467
80 2,4,5-Trichlorophenol	196	6.175	6.175	(0.899)	428176	80.0000	82.3884
83 Tetradecane	43	6.239	6.239	(0.908)	458682	80.0000	83.5343
86 2-Chloronaphthalene	162	6.351	6.351	(0.925)	1193598	80.0000	81.3987
88 2-Nitroaniline	65	6.447	6.447	(0.939)	357543	80.0000	83.7573
91 Dimethyl phthalate	163	6.581	6.581	(0.958)	1357101	80.0000	82.2632
93 2,6-Dinitrotoluene	165	6.661	6.661	(0.970)	317822	80.0000	81.4026
94 Acenaphthylene	152	6.741	6.741	(0.981)	1912351	80.0000	82.7313
95 3-Nitroaniline	138	6.826	6.826	(0.994)	313714	80.0000	82.9105
97 Acenaphthene	153	6.896	6.896	(1.004)	1183894	80.0000	81.2070
98 2,4-Dinitrophenol	184	6.917	6.917	(1.007)	185347	80.0000	80.2521
99 4-Nitrophenol	109	6.955	6.955	(1.012)	273770	80.0000	85.8256
101 2,4-Dinitrotoluene	165	7.029	7.029	(1.023)	407991	80.0000	82.8984
102 Dibenzofuran	168	7.051	7.051	(1.026)	1680267	80.0000	80.7049
105 Hexadecane	57	7.184	7.184	(1.046)	554337	80.0000	81.4660
107 Diethyl phthalate	149	7.211	7.211	(1.050)	1352524	80.0000	82.2642
109 4-Chlorophenyl phenyl ether	204	7.339	7.339	(1.068)	731709	80.0000	80.9869
110 Fluorene	166	7.361	7.361	(1.072)	1451625	80.0000	82.3640
112 4-Nitroaniline	138	7.387	7.387	(1.075)	310007	80.0000	83.6121
113 4,6-Dinitro-2-methylphenol	198	7.398	7.398	(0.902)	255178	80.0000	80.4381
115 N-nitrosodiphenylamine	169	7.451	7.451	(0.909)	1189482	80.0000	80.6868

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
116 Azobenzene	77	7.483	7.483	(1.089)	1659060	80.0000	82.8892
234 1,2-DPH(as Azobenzene)	77	7.483	7.483	(1.089)	1659060	80.8780	83.7988
242 2,4,6 - Tribromophenol	330	7.580	7.580	(1.103)	330251	120.000	119.505
124 4-Bromophenyl phenyl ether	248	7.777	7.777	(0.949)	447508	80.0000	80.5942
125 Hexachlorobenzene	284	7.852	7.852	(0.958)	477826	80.0000	78.9642
127 Atrazine	200	7.895	7.895	(0.963)	411998	80.0000	84.1085
128 n-Octadecane	85	7.986	7.986	(0.974)	331326	80.0000	83.1205
129 Pentachlorophenol	266	8.018	8.018	(0.978)	296457	80.0000	76.9578
136 Phenanthrene	178	8.221	8.221	(1.003)	2034392	80.0000	81.3691
137 Anthracene	178	8.263	8.263	(1.008)	2086174	80.0000	83.7670
140 Carbazole	167	8.397	8.397	(1.024)	1898933	80.0000	83.1544
141 Alachlor	188	8.466	8.466	(1.033)	287953	80.0000	84.2555
143 Di-n-butyl phthalate	149	8.621	8.621	(1.051)	2211892	80.0000	87.1856
144 n-Eicosane	43	8.701	8.701	(1.061)	471937	80.0000	81.1651
149 Fluoranthene	202	9.252	9.252	(1.128)	2401164	80.0000	84.1313
150 n-docosane	43	9.343	9.343	(1.139)	486495	80.0000	77.5353
151 Benzidine	184	9.348	9.348	(0.888)	1189800	80.0000	83.5922
152 Pyrene	202	9.460	9.460	(0.899)	2502428	80.0000	83.9866
158 Famphur	218	9.909	9.909	(0.942)	885364	80.0000	83.3245
159 Butyl benzyl phthalate	149	9.936	9.936	(0.944)	1051033	80.0000	81.0882
162 Bis(2-ethylhexyl) phthalate	149	10.395	10.395	(0.988)	1304760	80.0000	83.2538
164 3 3'-Dichlorobenzidine	252	10.470	10.470	(0.995)	882182	80.0000	86.2035
165 Benzo(a)anthracene	228	10.512	10.512	(0.999)	2502509	80.0000	83.3679
167 Chrysene	228	10.550	10.550	(1.003)	2270472	80.0000	82.2294(H)
168 Di-n-octyl phthalate	149	10.967	10.967	(1.042)	2066492	80.0000	83.5145
171 Benzo(b)fluoranthene	252	11.474	11.474	(0.971)	2625338	80.0000	81.5239
172 Benzo(k)fluoranthene	252	11.501	11.501	(0.973)	2512165	80.0000	80.5126(H)
178 Benzo(a)pyrene	252	11.773	11.773	(0.996)	2284952	80.0000	78.6646(H)
185 Dibenz(a,h)anthracene	278	12.900	12.900	(1.091)	2367846	80.0000	74.1547
186 Indeno(1,2,3-cd)pyrene	276	12.906	12.906	(1.226)	2830794	80.0000	80.7935
188 Benzo(g,h,i)perylene	276	13.237	13.237	(1.120)	2102002	80.0000	84.2737

QC Flag Legend

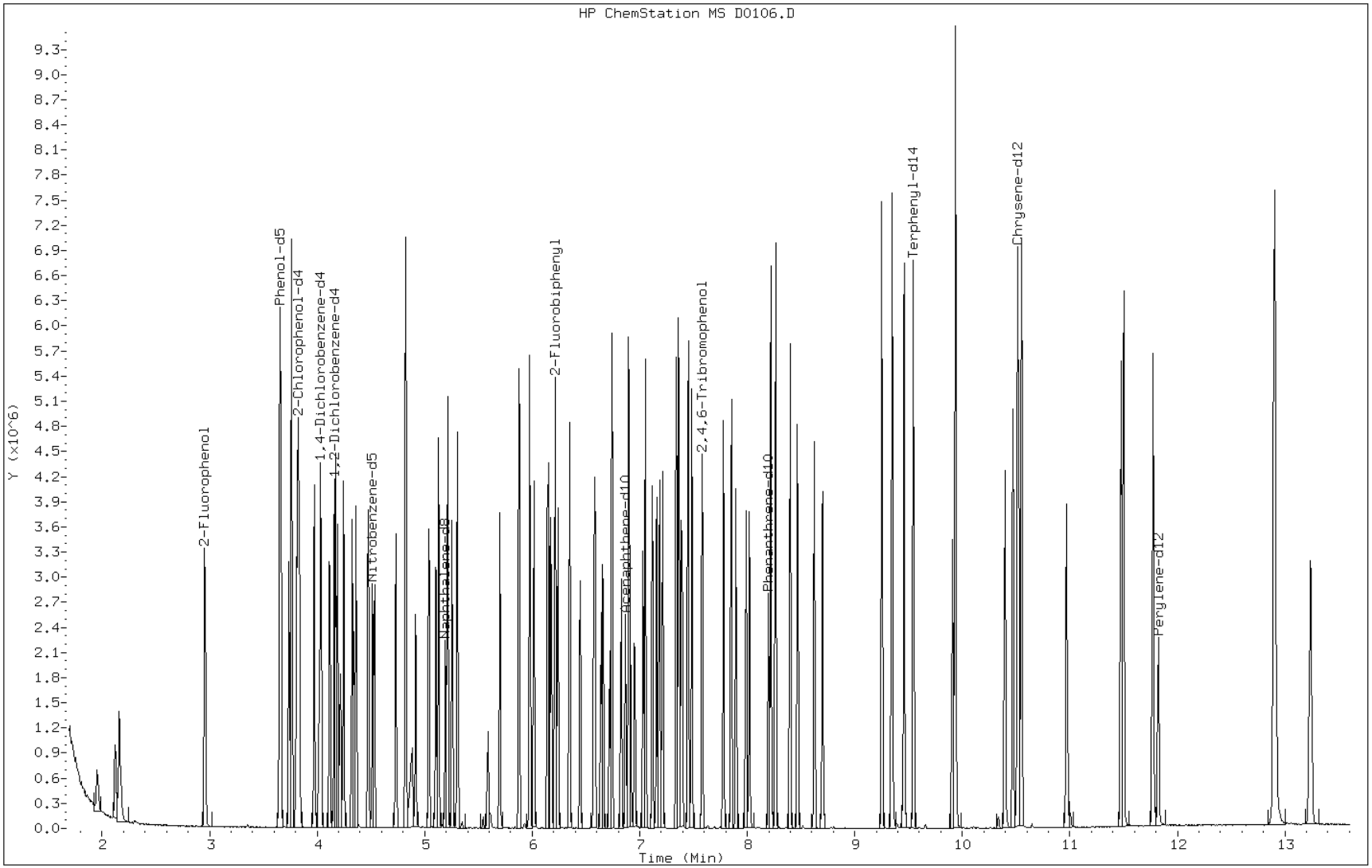
H - Operator selected an alternate compound hit.

Data File: D0106.D

Date: 18-APR-2012 11:10

Client ID: Instrument: D.i

Sample Info: ICIS-1363233,,HSL080 Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0107.D
Lab Smp Id: IC-1363231
Inj Date : 18-APR-2012 11:29
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1363231,,HSL050
Misc Info :
Comment :
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Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 11:10 Cal File: D0106.D
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.022	4.022	(1.000)	211718	40.0000	
* 58 Naphthalene-d8	136	5.191	5.191	(1.000)	774437	40.0000	
* 96 Acenaphthene-d10	164	6.869	6.869	(1.000)	486395	40.0000	
* 135 Phenanthrene-d10	188	8.199	8.199	(1.000)	872591	40.0000	
* 166 Chrysene-d12	240	10.518	10.518	(1.000)	1045006	40.0000	
* 179 Perylene-d12	264	11.800	11.800	(1.000)	900135	40.0000	
$ 22 2-Chlorophenol-d4	132	3.824	3.824	(0.951)	552250	75.0000	74.3308
$ 29 1,2-Dichlorobenzene-d4	152	4.160	4.160	(1.035)	280476	50.0000	50.1549
$ 8 2-Fluorophenol	112	2.953	2.953	(0.734)	525620	75.0000	75.6629
$ 15 Phenol-d5	99	3.648	3.648	(0.907)	677261	75.0000	75.5352
$ 43 Nitrobenzene-d5	82	4.513	4.513	(0.869)	461695	50.0000	49.9909
$ 81 2-Fluorobiphenyl	172	6.212	6.212	(0.904)	860337	50.0000	48.5407
$ 118 2,4,6-Tribromophenol	330	7.579	7.579	(1.103)	186349	75.0000	71.8990
$ 154 Terphenyl-d14	244	9.540	9.540	(0.907)	1036289	50.0000	49.0295
4 1,4-Dioxane	88	1.954	1.954	(0.486)	161719	50.0000	49.4306
5 N-Nitrosodimethylamine	74	2.120	2.120	(0.527)	243493	50.0000	51.3584
6 Pyridine	79	2.157	2.157	(0.536)	431027	50.0000	51.5095
14 Benzaldehyde	106	3.658	3.658	(0.910)	224864	50.0000	52.2964
16 Phenol	94	3.664	3.664	(0.911)	469926	50.0000	51.0172
18 Aniline	93	3.738	3.738	(0.930)	562631	50.0000	50.1034
19 Methyl Styrene	118	3.760	3.760	(0.935)	396460	50.0000	48.6374
20 Bis(2-chloroethyl) ether	93	3.760	3.760	(0.935)	378525	50.0000	47.9571

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
21 Decane	43	3.808	3.808	(0.947)	245017	50.0000	49.4878
23 2-Chlorophenol	128	3.835	3.835	(0.954)	374264	50.0000	50.2505
25 1,3-Dichlorobenzene	146	3.973	3.973	(0.988)	428003	50.0000	49.1531
27 1,4-Dichlorobenzene	146	4.032	4.032	(1.003)	438887	50.0000	49.7652
28 Benzyl alcohol	108	4.112	4.112	(1.023)	233028	50.0000	50.2260
30 1,2-Dichlorobenzene	146	4.171	4.171	(1.037)	416380	50.0000	49.5088
32 2-Methylphenol	108	4.187	4.187	(1.041)	339631	50.0000	50.1823
34 2,2'-oxybis(1-chloropropane)	45	4.214	4.214	(1.048)	291750	50.0000	51.4445
35 1H-Indene	116	4.246	4.246	(1.056)	571563	50.0000	50.1367
138 3-Methylphenol	108	4.326	4.326	(1.076)	345463	50.0000	50.2108
36 4-Methylphenol	108	4.326	4.326	(1.076)	345463	50.0000	50.2108
139 3 & 4-Methylphenol	108	4.326	4.326	(1.076)	345463	50.0000	50.2108
37 N-nitrosodi-n-propylamine	70	4.337	4.337	(1.078)	285776	50.0000	50.3282
38 Acetophenone	105	4.363	4.363	(1.085)	522170	50.0000	50.5405
41 Hexachloroethane	117	4.476	4.476	(1.113)	192591	50.0000	50.9242
44 Nitrobenzene	77	4.534	4.534	(0.873)	462359	50.0000	50.0704
47 Isophorone	82	4.732	4.732	(0.912)	737398	50.0000	50.7064
50 2,4-Dimethylphenol	107	4.823	4.823	(0.929)	395933	50.0000	49.3855
49 2-Nitrophenol	139	4.823	4.823	(0.929)	194464	50.0000	49.1599
53 Benzoic acid	122	4.871	4.871	(0.938)	173627	50.0000	47.9608
52 Bis(2-chloroethoxy)methane	93	4.914	4.914	(0.946)	433199	50.0000	50.2989
54 2,4-Dichlorophenol	162	5.037	5.037	(0.970)	310023	50.0000	50.0124
56 n-Dodecane	43	5.101	5.101	(0.983)	259492	50.0000	49.7111
57 1,2,4-Trichlorobenzene	180	5.127	5.127	(0.988)	379462	50.0000	49.2306
59 Naphthalene	128	5.213	5.213	(1.004)	1071133	50.0000	49.1634
60 4-Chloroaniline	127	5.256	5.256	(1.012)	441720	50.0000	50.1491
62 Hexachlorobutadiene	225	5.304	5.304	(1.022)	262633	50.0000	49.0304
67 Caprolactam	55	5.581	5.581	(1.075)	100142	50.0000	51.1782
68 4-Chloro-3-methylphenol	107	5.699	5.699	(1.098)	309267	50.0000	50.2927
71 2-Methylnaphthalene	142	5.875	5.875	(1.132)	735890	50.0000	49.5506
72 1-Methylnaphthalene	142	5.977	5.977	(1.151)	661391	50.0000	48.5845
74 Hexachlorocyclopentadiene	237	6.014	6.014	(0.876)	293594	50.0000	48.6870
78 2,4,6-Trichlorophenol	196	6.142	6.142	(0.894)	250804	50.0000	48.9037
79 2,3-Dichlorobenzeneamine	161	6.153	6.153	(0.896)	393966	50.0000	49.7336
80 2,4,5-Trichlorophenol	196	6.174	6.174	(0.899)	262770	50.0000	50.4820
83 Tetradecane	43	6.238	6.238	(0.908)	266906	50.0000	48.5321
86 2-Chloronaphthalene	162	6.351	6.351	(0.925)	717814	50.0000	48.8752
88 2-Nitroaniline	65	6.447	6.447	(0.939)	214595	50.0000	50.1916
91 Dimethyl phthalate	163	6.580	6.580	(0.958)	819535	50.0000	49.5996
93 2,6-Dinitrotoluene	165	6.655	6.655	(0.969)	194247	50.0000	49.6736
94 Acenaphthylene	152	6.741	6.741	(0.981)	1146365	50.0000	49.5156
95 3-Nitroaniline	138	6.826	6.826	(0.994)	188554	50.0000	49.7541
97 Acenaphthene	153	6.896	6.896	(1.004)	706267	50.0000	48.3690
98 2,4-Dinitrophenol	184	6.917	6.917	(1.007)	103877	50.0000	48.6788
99 4-Nitrophenol	109	6.949	6.949	(1.012)	164106	50.0000	51.3656
101 2,4-Dinitrotoluene	165	7.029	7.029	(1.023)	245173	50.0000	49.7377
102 Dibenzofuran	168	7.050	7.050	(1.026)	1017026	50.0000	48.7721
105 Hexadecane	57	7.184	7.184	(1.046)	331626	50.0000	48.6596
107 Diethyl phthalate	149	7.211	7.211	(1.050)	820527	50.0000	49.8283
109 4-Chlorophenyl phenyl ether	204	7.339	7.339	(1.068)	438301	50.0000	48.4358
110 Fluorene	166	7.360	7.360	(1.072)	865410	50.0000	49.0255
112 4-Nitroaniline	138	7.382	7.382	(1.075)	185432	50.0000	49.9344
113 4,6-Dinitro-2-methylphenol	198	7.392	7.392	(0.902)	143958	50.0000	45.3754
115 N-nitrosodiphenylamine	169	7.451	7.451	(0.909)	717849	50.0000	48.6905

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
116 Azobenzene	77	7.483	7.483	(1.089)	1030944	50.0000	51.4266
234 1,2-DPH(as Azobenzene)	77	7.483	7.483	(1.089)	1030944	50.5487	51.9910
242 2,4,6 - Tribromophenol	330	7.579	7.579	(1.103)	186349	75.0000	71.8990
124 4-Bromophenyl phenyl ether	248	7.777	7.777	(0.949)	264785	50.0000	47.6829
125 Hexachlorobenzene	284	7.852	7.852	(0.958)	287592	50.0000	47.5230
127 Atrazine	200	7.895	7.895	(0.963)	248774	50.0000	50.7828
128 n-Octadecane	85	7.985	7.985	(0.974)	199705	50.0000	50.0966
129 Pentachlorophenol	266	8.017	8.017	(0.978)	166674	50.0000	46.7098
136 Phenanthrene	178	8.220	8.220	(1.003)	1206183	50.0000	48.2397
137 Anthracene	178	8.263	8.263	(1.008)	1245000	50.0000	49.9871
140 Carbazole	167	8.397	8.397	(1.024)	1131199	50.0000	49.5315
141 Alachlor	188	8.466	8.466	(1.033)	168300	50.0000	49.2411
143 Di-n-butyl phthalate	149	8.621	8.621	(1.051)	1312376	50.0000	51.7256
144 n-Eicosane	43	8.701	8.701	(1.061)	286211	50.0000	49.2196
149 Fluoranthene	202	9.251	9.251	(1.128)	1423795	50.0000	49.8827
150 n-docosane	43	9.342	9.342	(1.139)	281207	50.0000	46.5368
151 Benzidine	184	9.348	9.348	(0.889)	723499	50.0000	51.3843
152 Pyrene	202	9.454	9.454	(0.899)	1490866	50.0000	50.5810
158 Famphur	218	9.903	9.903	(0.942)	560315	50.0000	53.8117
159 Butyl benzyl phthalate	149	9.930	9.930	(0.944)	610211	50.0000	48.2928
162 Bis(2-ethylhexyl) phthalate	149	10.389	10.389	(0.988)	760694	50.0000	50.0002
164 3 3'-Dichlorobenzidine	252	10.459	10.459	(0.994)	506680	50.0000	50.0497
165 Benzo(a)anthracene	228	10.502	10.502	(0.998)	1507357	50.0000	50.7621
167 Chrysene	228	10.539	10.539	(1.002)	1355237	50.0000	49.6166
168 Di-n-octyl phthalate	149	10.956	10.956	(1.042)	1191171	50.0000	49.7093
171 Benzo(b)fluoranthene	252	11.458	11.458	(0.971)	1481689	50.0000	47.6284(H)
172 Benzo(k)fluoranthene	252	11.479	11.479	(0.973)	1516482	50.0000	47.8380
178 Benzo(a)pyrene	252	11.752	11.752	(0.996)	1358860	50.0000	46.7494
185 Dibenz(a,h)anthracene	278	12.873	12.873	(1.091)	1297796	50.0000	41.4810
186 Indeno(1,2,3-cd)pyrene	276	12.879	12.879	(1.224)	1569057	50.0000	45.9295
188 Benzo(g,h,i)perylene	276	13.215	13.215	(1.120)	1255868	50.0000	49.5590

QC Flag Legend

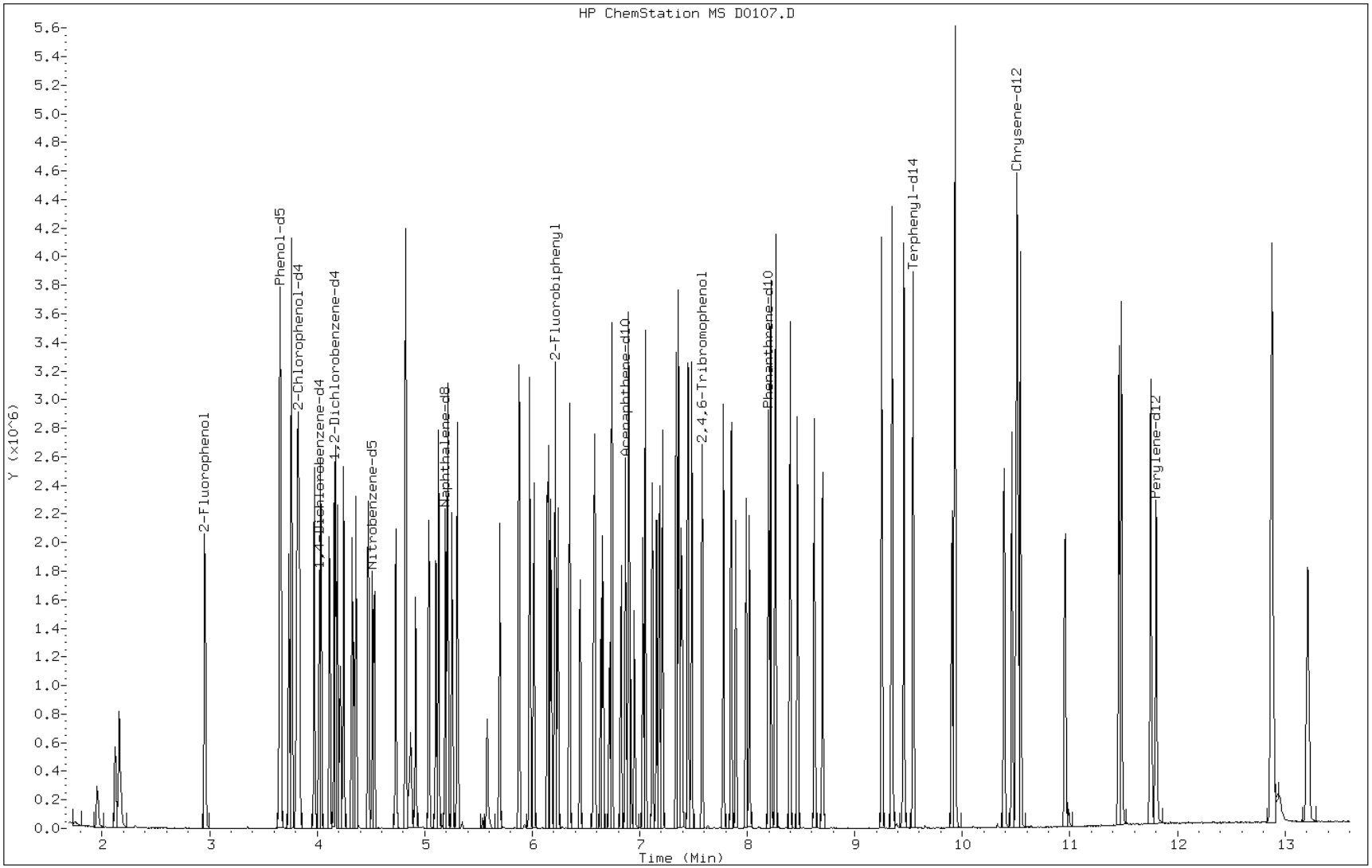
H - Operator selected an alternate compound hit.

Data File: D0107.D

Date: 18-APR-2012 11:29

Client ID: Instrument: D.i

Sample Info: IC-1363231,,HSL050 Operator: hoffmanm



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BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0108.D
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Inj Date : 18-APR-2012 11:48
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1363230,,HSL020
Misc Info :
Comment :
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Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 11:29 Cal File: D0107.D
Als bottle: 16 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.017	4.017	(1.000)	213419	40.0000	
* 58 Naphthalene-d8	136	5.192	5.192	(1.000)	777367	40.0000	
* 96 Acenaphthene-d10	164	6.864	6.864	(1.000)	478649	40.0000	
* 135 Phenanthrene-d10	188	8.194	8.194	(1.000)	855700	40.0000	
* 166 Chrysene-d12	240	10.513	10.513	(1.000)	1010626	40.0000	
* 179 Perylene-d12	264	11.795	11.795	(1.000)	877728	40.0000	
$ 22 2-Chlorophenol-d4	132	3.819	3.819	(0.951)	210026	30.0000	28.0434
$ 29 1,2-Dichlorobenzene-d4	152	4.161	4.161	(1.036)	109835	20.0000	19.4842
$ 8 2-Fluorophenol	112	2.954	2.954	(0.735)	203973	30.0000	29.1279
$ 15 Phenol-d5	99	3.648	3.648	(0.908)	258011	30.0000	28.5467
$ 43 Nitrobenzene-d5	82	4.514	4.514	(0.869)	176001	20.0000	18.9850
$ 81 2-Fluorobiphenyl	172	6.213	6.213	(0.905)	331259	20.0000	18.9923
$ 118 2,4,6-Tribromophenol	330	7.580	7.580	(1.104)	63643	30.0000	28.8165
$ 154 Terphenyl-d14	244	9.541	9.541	(0.908)	379524	20.0000	18.5671
4 1,4-Dioxane	88	1.955	1.955	(0.487)	67158	20.0000	20.3637
5 N-Nitrosodimethylamine	74	2.120	2.120	(0.528)	95206	20.0000	19.9212
6 Pyridine	79	2.158	2.158	(0.537)	168434	20.0000	19.9681
14 Benzaldehyde	106	3.659	3.659	(0.911)	83605	20.0000	19.2890
16 Phenol	94	3.659	3.659	(0.911)	176405	20.0000	18.9986
18 Aniline	93	3.734	3.734	(0.930)	229423	20.0000	20.2677
19 Methyl Styrene	118	3.761	3.761	(0.936)	154633	20.0000	18.8190
20 Bis(2-chloroethyl) ether	93	3.761	3.761	(0.936)	147120	20.0000	18.4908

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
21 Decane	43	3.809	3.809	(0.948)	94408	20.0000	18.9163
23 2-Chlorophenol	128	3.835	3.835	(0.955)	143518	20.0000	19.1158
25 1,3-Dichlorobenzene	146	3.974	3.974	(0.989)	170741	20.0000	19.4521
27 1,4-Dichlorobenzene	146	4.033	4.033	(1.004)	172107	20.0000	19.3596
28 Benzyl alcohol	108	4.113	4.113	(1.024)	90106	20.0000	19.2663
30 1,2-Dichlorobenzene	146	4.172	4.172	(1.039)	163104	20.0000	19.2390
32 2-Methylphenol	108	4.188	4.188	(1.043)	129090	20.0000	18.9217
34 2,2'-oxybis(1-chloropropane)	45	4.215	4.215	(1.049)	111897	20.0000	19.5736
35 1H-Indene	116	4.247	4.247	(1.057)	221336	20.0000	19.2605
138 3-Methylphenol	108	4.321	4.321	(1.076)	130724	20.0000	18.8484
36 4-Methylphenol	108	4.321	4.321	(1.076)	130724	20.0000	18.8484
139 3 & 4-Methylphenol	108	4.321	4.321	(1.076)	130724	20.0000	18.8484
37 N-nitrosodi-n-propylamine	70	4.337	4.337	(1.080)	112861	20.0000	19.7176
38 Acetophenone	105	4.359	4.359	(1.085)	201541	20.0000	19.3516
41 Hexachloroethane	117	4.476	4.476	(1.114)	72108	20.0000	18.9146
44 Nitrobenzene	77	4.530	4.530	(0.872)	182463	20.0000	19.6850
47 Isophorone	82	4.727	4.727	(0.910)	279183	20.0000	19.1254
50 2,4-Dimethylphenol	107	4.818	4.818	(0.928)	145915	20.0000	18.1317
49 2-Nitrophenol	139	4.824	4.824	(0.929)	70811	20.0000	17.8333
53 Benzoic acid	122	4.856	4.856	(0.935)	59200	20.0000	16.2911
52 Bis(2-chloroethoxy)methane	93	4.914	4.914	(0.947)	167844	20.0000	19.4150
54 2,4-Dichlorophenol	162	5.037	5.037	(0.970)	117662	20.0000	18.9095
56 n-Dodecane	43	5.101	5.101	(0.983)	96631	20.0000	18.4419
57 1,2,4-Trichlorobenzene	180	5.128	5.128	(0.988)	147172	20.0000	19.0218
59 Naphthalene	128	5.214	5.214	(1.004)	415820	20.0000	19.0136
60 4-Chloroaniline	127	5.256	5.256	(1.012)	169694	20.0000	19.1930
62 Hexachlorobutadiene	225	5.304	5.304	(1.022)	98888	20.0000	18.3916
67 Caprolactam	55	5.571	5.571	(1.073)	36747	20.0000	18.7090
68 4-Chloro-3-methylphenol	107	5.694	5.694	(1.097)	112383	20.0000	18.2067
71 2-Methylnaphthalene	142	5.876	5.876	(1.132)	284648	20.0000	19.0943
72 1-Methylnaphthalene	142	5.977	5.977	(1.151)	261203	20.0000	19.1151
74 Hexachlorocyclopentadiene	237	6.015	6.015	(0.876)	104638	20.0000	17.6330
78 2,4,6-Trichlorophenol	196	6.138	6.138	(0.894)	91481	20.0000	18.1263
79 2,3-Dichlorobenzeneamine	161	6.154	6.154	(0.896)	148255	20.0000	19.0184
80 2,4,5-Trichlorophenol	196	6.175	6.175	(0.900)	91007	20.0000	17.7667
83 Tetradecane	43	6.239	6.239	(0.909)	102519	20.0000	18.9429
86 2-Chloronaphthalene	162	6.346	6.346	(0.925)	278680	20.0000	19.2821
88 2-Nitroaniline	65	6.442	6.442	(0.939)	78402	20.0000	18.6342
91 Dimethyl phthalate	163	6.581	6.581	(0.959)	314486	20.0000	19.3412
93 2,6-Dinitrotoluene	165	6.656	6.656	(0.970)	69775	20.0000	18.1319
94 Acenaphthylene	152	6.741	6.741	(0.982)	427874	20.0000	18.7805
95 3-Nitroaniline	138	6.822	6.822	(0.994)	71382	20.0000	19.1405
97 Acenaphthene	153	6.896	6.896	(1.005)	269736	20.0000	18.7719
98 2,4-Dinitrophenol	184	6.912	6.912	(1.007)	29576	20.0000	20.1714
99 4-Nitrophenol	109	6.950	6.950	(1.012)	54899	20.0000	17.4616
101 2,4-Dinitrotoluene	165	7.025	7.025	(1.023)	90670	20.0000	18.6917
102 Dibenzofuran	168	7.051	7.051	(1.027)	395664	20.0000	19.2814
105 Hexadecane	57	7.185	7.185	(1.047)	126192	20.0000	18.8158
107 Diethyl phthalate	149	7.212	7.212	(1.051)	318046	20.0000	19.6266
109 4-Chlorophenyl phenyl ether	204	7.340	7.340	(1.069)	163611	20.0000	18.3729
110 Fluorene	166	7.361	7.361	(1.072)	321172	20.0000	18.4888
112 4-Nitroaniline	138	7.382	7.382	(1.075)	69781	20.0000	19.0952
113 4,6-Dinitro-2-methylphenol	198	7.393	7.393	(0.902)	47939	20.0000	15.4086
115 N-nitrosodiphenylamine	169	7.447	7.447	(0.909)	269628	20.0000	18.6494

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
116 Azobenzene	77	7.484	7.484	(1.090)	396748	20.0000	20.1113
234 1,2-DPH(as Azobenzene)	77	7.484	7.484	(1.090)	396748	20.2195	20.3320
242 2,4,6 - Tribromophenol	330	7.580	7.580	(1.104)	63643	30.0000	28.8165
124 4-Bromophenyl phenyl ether	248	7.778	7.778	(0.949)	99950	20.0000	18.3544
125 Hexachlorobenzene	284	7.847	7.847	(0.958)	104613	20.0000	17.6280
127 Atrazine	200	7.890	7.890	(0.963)	87554	20.0000	18.2254
128 n-Octadecane	85	7.986	7.986	(0.975)	70846	20.0000	18.1227
129 Pentachlorophenol	266	8.018	8.018	(0.978)	53646	20.0000	20.6181
136 Phenanthrene	178	8.216	8.216	(1.003)	464861	20.0000	18.9585
137 Anthracene	178	8.264	8.264	(1.008)	458445	20.0000	18.7700
140 Carbazole	167	8.397	8.397	(1.025)	431750	20.0000	19.2781
141 Alachlor	188	8.467	8.467	(1.033)	59281	20.0000	17.6867
143 Di-n-butyl phthalate	149	8.622	8.622	(1.052)	481602	20.0000	19.3564
144 n-Eicosane	43	8.697	8.697	(1.061)	103884	20.0000	18.2175
149 Fluoranthene	202	9.247	9.247	(1.128)	529045	20.0000	18.9010
150 n-docosane	43	9.343	9.343	(1.140)	98479	20.0000	19.2434
151 Benzidine	184	9.348	9.348	(0.889)	237166	20.0000	17.4170
152 Pyrene	202	9.455	9.455	(0.899)	566748	20.0000	19.8823
158 Famphur	218	9.899	9.899	(0.942)	204979	20.0000	21.2267
159 Butyl benzyl phthalate	149	9.931	9.931	(0.945)	220501	20.0000	19.1090
162 Bis(2-ethylhexyl) phthalate	149	10.385	10.385	(0.988)	253521	20.0000	18.7212
164 3 3'-Dichlorobenzidine	252	10.460	10.460	(0.995)	181681	20.0000	18.5569
165 Benzo(a)anthracene	228	10.502	10.502	(0.999)	557328	20.0000	19.4072
167 Chrysene	228	10.534	10.534	(1.002)	506625	20.0000	19.1790
168 Di-n-octyl phthalate	149	10.951	10.951	(1.042)	387759	20.0000	18.3949
171 Benzo(b)fluoranthene	252	11.448	11.448	(0.971)	493963	20.0000	18.4329(H)
172 Benzo(k)fluoranthene	252	11.469	11.469	(0.972)	602432	20.0000	19.4891
178 Benzo(a)pyrene	252	11.742	11.742	(0.995)	465980	20.0000	17.5394(H)
185 Dibenz(a,h)anthracene	278	12.864	12.864	(1.091)	463684	20.0000	17.2300
186 Indeno(1,2,3-cd)pyrene	276	12.869	12.869	(1.224)	554293	20.0000	17.7297
188 Benzo(g,h,i)perylene	276	13.200	13.200	(1.119)	454673	20.0000	18.4003

QC Flag Legend

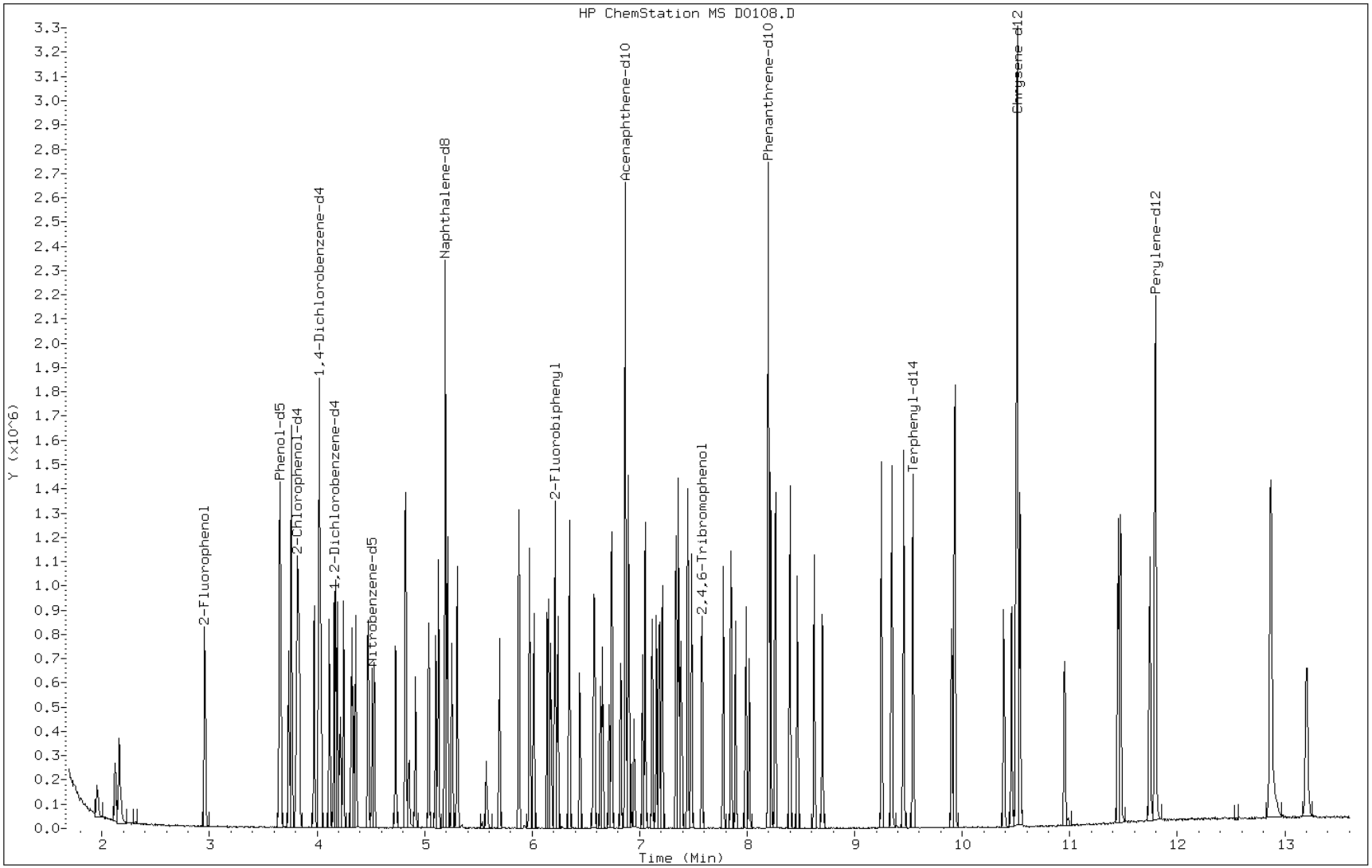
H - Operator selected an alternate compound hit.

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Date: 18-APR-2012 11:48

Client ID: Instrument: D.i

Sample Info: IC-1363230,,HSL020 Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0109.D
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Inj Date : 18-APR-2012 12:07
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1363229,,HSL010
Misc Info :
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Method : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\8270C.m
Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 11:48 Cal File: D0108.D
Als bottle: 17 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.020	4.020	(1.000)	212767	40.0000	
* 58 Naphthalene-d8	136	5.190	5.190	(1.000)	771438	40.0000	
* 96 Acenaphthene-d10	164	6.867	6.867	(1.000)	478240	40.0000	
* 135 Phenanthrene-d10	188	8.197	8.197	(1.000)	867853	40.0000	
* 166 Chrysene-d12	240	10.510	10.510	(1.000)	1006896	40.0000	
* 179 Perylene-d12	264	11.798	11.798	(1.000)	881979	40.0000	
$ 22 2-Chlorophenol-d4	132	3.822	3.822	(0.951)	101910	15.0000	13.6491
$ 29 1,2-Dichlorobenzene-d4	152	4.159	4.159	(1.035)	51505	10.0000	9.16475(a)
$ 8 2-Fluorophenol	112	2.957	2.957	(0.736)	99055	15.0000	14.1886
$ 15 Phenol-d5	99	3.646	3.646	(0.907)	124645	15.0000	13.8332
$ 43 Nitrobenzene-d5	82	4.511	4.511	(0.869)	86280	10.0000	9.37844(a)
$ 81 2-Fluorobiphenyl	172	6.215	6.215	(0.905)	162038	10.0000	9.29817(a)
$ 118 2,4,6-Tribromophenol	330	7.578	7.578	(1.103)	29101	15.0000	15.8920
$ 154 Terphenyl-d14	244	9.538	9.538	(0.907)	181684	10.0000	8.92128(a)
4 1,4-Dioxane	88	1.958	1.958	(0.487)	32842	10.0000	9.98890
5 N-Nitrosodimethylamine	74	2.118	2.118	(0.527)	46505	10.0000	9.76064(a)
6 Pyridine	79	2.161	2.161	(0.538)	82042	10.0000	9.75603(a)
14 Benzaldehyde	106	3.656	3.656	(0.910)	40918	10.0000	9.46935(a)
16 Phenol	94	3.662	3.662	(0.911)	85821	10.0000	9.27116(a)
18 Aniline	93	3.737	3.737	(0.930)	106312	10.0000	9.42062(a)
19 Methyl Styrene	118	3.763	3.763	(0.936)	71725	10.0000	8.75578(a)
20 Bis(2-chloroethyl) ether	93	3.758	3.758	(0.935)	76955	10.0000	9.70172(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
21	Decane	43	3.806	3.806	(0.947)	47700	10.0000	9.58681(a)
23	2-Chlorophenol	128	3.838	3.838	(0.955)	68473	10.0000	9.14819(a)
25	1,3-Dichlorobenzene	146	3.972	3.972	(0.988)	83749	10.0000	9.57055
27	1,4-Dichlorobenzene	146	4.036	4.036	(1.004)	83481	10.0000	9.41921
28	Benzyl alcohol	108	4.116	4.116	(1.024)	41428	10.0000	8.88522(a)
30	1,2-Dichlorobenzene	146	4.169	4.169	(1.037)	80339	10.0000	9.50544
32	2-Methylphenol	108	4.191	4.191	(1.043)	64445	10.0000	9.47514(a)
34	2,2'-oxybis(1-chloropropane)	45	4.217	4.217	(1.049)	54798	10.0000	9.61493(a)
35	1H-Indene	116	4.249	4.249	(1.057)	107513	10.0000	9.38439(a)
138	3-Methylphenol	108	4.324	4.324	(1.076)	61613	10.0000	8.91090(a)
36	4-Methylphenol	108	4.324	4.324	(1.076)	61613	10.0000	8.91090(a)
139	3 & 4-Methylphenol	108	4.324	4.324	(1.076)	61613	10.0000	8.91090(a)
37	N-nitrosodi-n-propylamine	70	4.335	4.335	(1.078)	51043	10.0000	8.94489(a)
38	Acetophenone	105	4.362	4.362	(1.085)	97556	10.0000	9.39584(a)
41	Hexachloroethane	117	4.474	4.474	(1.113)	35469	10.0000	9.33235
44	Nitrobenzene	77	4.533	4.533	(0.873)	89684	10.0000	9.74994(a)
47	Isophorone	82	4.730	4.730	(0.911)	129678	10.0000	8.95184(a)
50	2,4-Dimethylphenol	107	4.821	4.821	(0.929)	71136	10.0000	8.90743(a)
49	2-Nitrophenol	139	4.826	4.826	(0.930)	32454	10.0000	8.23617(a)
53	Benzoic acid	122	4.848	4.848	(0.934)	20774	10.0000	5.76068(a)
52	Bis(2-chloroethoxy)methane	93	4.912	4.912	(0.946)	80733	10.0000	9.41039(a)
54	2,4-Dichlorophenol	162	5.040	5.040	(0.971)	53372	10.0000	8.64336(a)
56	n-Dodecane	43	5.104	5.104	(0.984)	48164	10.0000	9.26268(a)
57	1,2,4-Trichlorobenzene	180	5.125	5.125	(0.988)	72971	10.0000	9.50391
59	Naphthalene	128	5.211	5.211	(1.004)	203845	10.0000	9.39256
60	4-Chloroaniline	127	5.254	5.254	(1.012)	78680	10.0000	8.96737(a)
62	Hexachlorobutadiene	225	5.302	5.302	(1.022)	49856	10.0000	9.34370(a)
67	Caprolactam	55	5.574	5.574	(1.074)	14474	10.0000	7.42578(a)
68	4-Chloro-3-methylphenol	107	5.697	5.697	(1.098)	52516	10.0000	8.57330(a)
71	2-Methylnaphthalene	142	5.879	5.879	(1.133)	139338	10.0000	9.41870
72	1-Methylnaphthalene	142	5.975	5.975	(1.151)	125092	10.0000	9.22474
74	Hexachlorocyclopentadiene	237	6.018	6.018	(0.876)	45559	10.0000	7.68392(a)
78	2,4,6-Trichlorophenol	196	6.141	6.141	(0.894)	39330	10.0000	7.79964(a)
79	2,3-Dichlorobenzeneamine	161	6.151	6.151	(0.896)	71504	10.0000	9.18048(a)
80	2,4,5-Trichlorophenol	196	6.173	6.173	(0.899)	43143	10.0000	8.42975(a)
83	Tetradecane	43	6.242	6.242	(0.909)	48770	10.0000	9.01917(a)
86	2-Chloronaphthalene	162	6.349	6.349	(0.925)	136607	10.0000	9.46004
88	2-Nitroaniline	65	6.445	6.445	(0.939)	35497	10.0000	8.44396(a)
91	Dimethyl phthalate	163	6.579	6.579	(0.958)	148626	10.0000	9.14847
93	2,6-Dinitrotoluene	165	6.653	6.653	(0.969)	33631	10.0000	8.74691(a)
94	Acenaphthylene	152	6.739	6.739	(0.981)	209608	10.0000	9.20811
95	3-Nitroaniline	138	6.824	6.824	(0.994)	33256	10.0000	8.92496(a)
97	Acenaphthene	153	6.894	6.894	(1.004)	129036	10.0000	8.98777
98	2,4-Dinitrophenol	184	6.915	6.915	(1.007)	11575	10.0000	13.1115
99	4-Nitrophenol	109	6.947	6.947	(1.012)	24580	10.0000	7.82480(a)
101	2,4-Dinitrotoluene	165	7.027	7.027	(1.023)	41423	10.0000	8.54669(a)
102	Dibenzofuran	168	7.049	7.049	(1.026)	188353	10.0000	9.18660
105	Hexadecane	57	7.182	7.182	(1.046)	60637	10.0000	9.04900(a)
107	Diethyl phthalate	149	7.209	7.209	(1.050)	153659	10.0000	9.49040
109	4-Chlorophenyl phenyl ether	204	7.337	7.337	(1.068)	80777	10.0000	9.07872(a)
110	Fluorene	166	7.359	7.359	(1.072)	158013	10.0000	9.10408
112	4-Nitroaniline	138	7.380	7.380	(1.075)	31303	10.0000	8.57322(a)
113	4,6-Dinitro-2-methylphenol	198	7.391	7.391	(0.902)	18445	10.0000	5.84559(a)
115	N-nitrosodiphenylamine	169	7.449	7.449	(0.909)	131491	10.0000	8.96751(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
116 Azobenzene	77	7.481	7.481	(1.089)	189118	10.0000	9.59465
234 1,2-DPH(as Azobenzene)	77	7.481	7.481	(1.089)	189118	10.1098	9.69994
242 2,4,6 - Tribromophenol	330	7.578	7.578	(1.103)	29101	15.0000	15.8920
124 4-Bromophenyl phenyl ether	248	7.775	7.775	(0.949)	46970	10.0000	8.50462(a)
125 Hexachlorobenzene	284	7.850	7.850	(0.958)	49998	10.0000	8.30700(a)
127 Atrazine	200	7.893	7.893	(0.963)	37651	10.0000	7.72774(a)
128 n-Octadecane	85	7.989	7.989	(0.975)	33131	10.0000	8.35638(a)
129 Pentachlorophenol	266	8.021	8.021	(0.978)	20769	10.0000	12.7366
136 Phenanthrene	178	8.219	8.219	(1.003)	232438	10.0000	9.34680
137 Anthracene	178	8.261	8.261	(1.008)	218084	10.0000	8.80394
140 Carbazole	167	8.395	8.395	(1.024)	203879	10.0000	8.97593
141 Alachlor	188	8.464	8.464	(1.033)	25213	10.0000	7.41707(a)
143 Di-n-butyl phthalate	149	8.625	8.625	(1.052)	220542	10.0000	8.73984
144 n-Eicosane	43	8.699	8.699	(1.061)	49383	10.0000	8.53874(a)
149 Fluoranthene	202	9.250	9.250	(1.128)	244723	10.0000	8.62069
150 n-docosane	43	9.340	9.340	(1.139)	41099	10.0000	10.3210
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	9.453	9.453	(0.899)	268311	10.0000	9.44760
158 Famphur	218	9.901	9.901	(0.942)	84824	10.0000	9.63576(a)
159 Butyl benzyl phthalate	149	9.928	9.928	(0.945)	96602	10.0000	9.35506
162 Bis(2-ethylhexyl) phthalate	149	10.388	10.388	(0.988)	100892	10.0000	8.84373
164 3 3'-Dichlorobenzidine	252	10.457	10.457	(0.995)	76756	10.0000	7.86890(a)
165 Benzo(a)anthracene	228	10.500	10.500	(0.999)	266863	10.0000	9.32709
167 Chrysene	228	10.537	10.537	(1.003)	244830	10.0000	9.30273
168 Di-n-octyl phthalate	149	10.948	10.948	(1.042)	143688	10.0000	8.41579
171 Benzo(b)fluoranthene	252	11.451	11.451	(0.971)	238669	10.0000	10.3553(H)
172 Benzo(k)fluoranthene	252	11.472	11.472	(0.972)	269092	10.0000	8.66335
178 Benzo(a)pyrene	252	11.744	11.744	(0.995)	218522	10.0000	9.08947(H)
185 Dibenz(a,h)anthracene	278	12.866	12.866	(1.091)	211590	10.0000	9.57441
186 Indeno(1,2,3-cd)pyrene	276	12.872	12.872	(1.225)	260011	10.0000	9.14161
188 Benzo(g,h,i)perylene	276	13.203	13.203	(1.119)	211108	10.0000	8.50223

QC Flag Legend

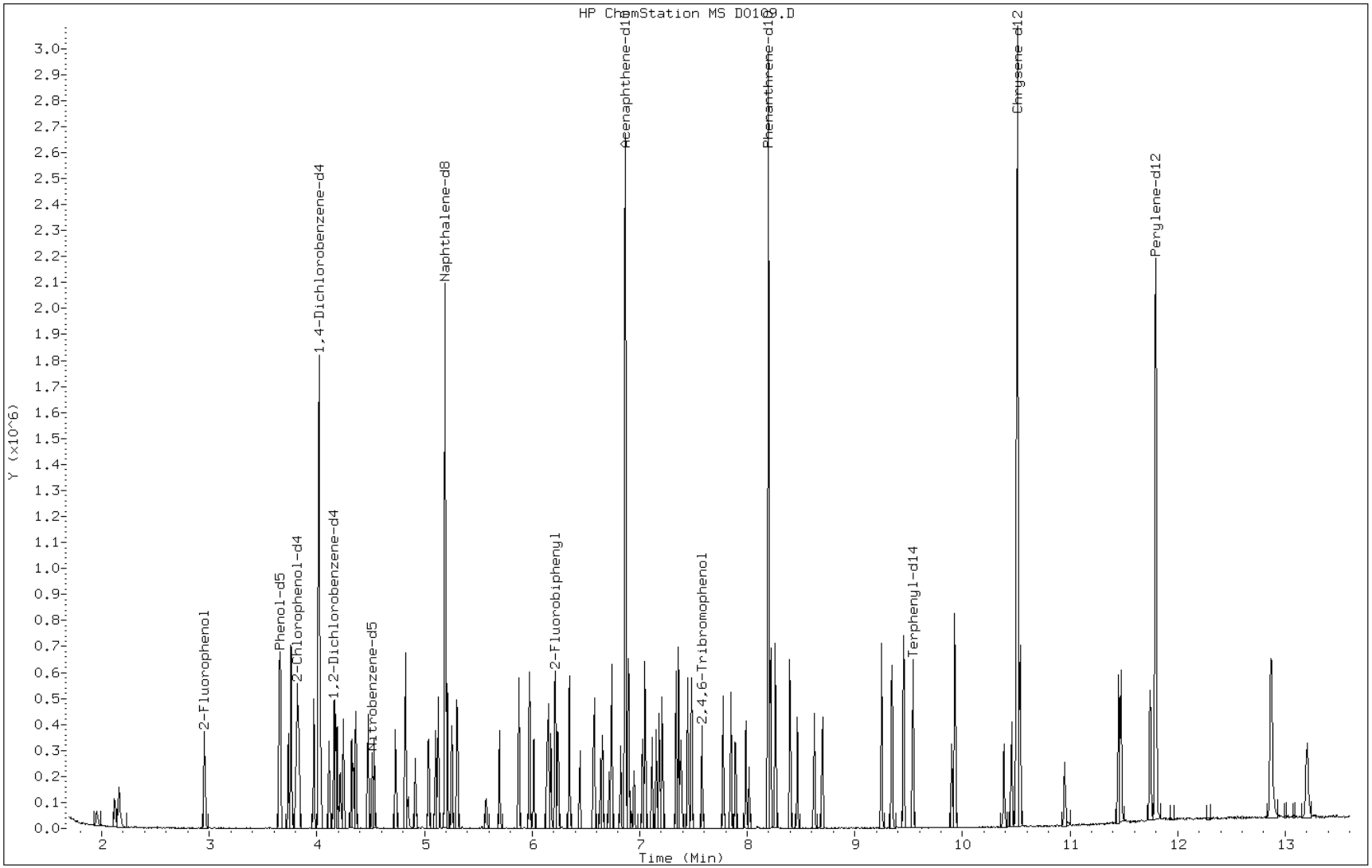
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: D0109.D

Date: 18-APR-2012 12:07

Client ID: Instrument: D.i

Sample Info: IC-1363229,,HSL010 Operator: hoffmanm



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0110.D
Lab Smp Id: IC-1363228
Inj Date : 18-APR-2012 12:26
Operator : hoffmanm Inst ID: D.i
Smp Info : IC-1363228,,HSL004
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\8270C.m
Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 12:07 Cal File: D0109.D
Als bottle: 18 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.017	4.017	(1.000)	209708	40.0000	
* 58 Naphthalene-d8	136	5.192	5.192	(1.000)	739237	40.0000	
* 96 Acenaphthene-d10	164	6.864	6.864	(1.000)	454870	40.0000	
* 135 Phenanthrene-d10	188	8.194	8.194	(1.000)	835344	40.0000	
* 166 Chrysene-d12	240	10.508	10.508	(1.000)	951560	40.0000	
* 179 Perylene-d12	264	11.790	11.790	(1.000)	832011	40.0000	
$ 22 2-Chlorophenol-d4	132	3.819	3.819	(0.951)	40607	6.00000	5.51793(a)
$ 29 1,2-Dichlorobenzene-d4	152	4.156	4.156	(1.035)	20537	4.00000	3.70764(a)
$ 8 2-Fluorophenol	112	2.954	2.954	(0.735)	37303	6.00000	5.42123(a)
$ 15 Phenol-d5	99	3.648	3.648	(0.908)	46039	6.00000	5.18397(a)
$ 43 Nitrobenzene-d5	82	4.514	4.514	(0.869)	30843	4.00000	3.49860(a)
$ 81 2-Fluorobiphenyl	172	6.213	6.213	(0.905)	61574	4.00000	3.71481(a)
$ 118 2,4,6-Tribromophenol	330	7.580	7.580	(1.104)	8574	6.00000	8.26038(a)
$ 154 Terphenyl-d14	244	9.541	9.541	(0.908)	68571	4.00000	3.56286(a)
4 1,4-Dioxane	88	1.949	1.949	(0.485)	14012	4.00000	4.32392
5 N-Nitrosodimethylamine	74	2.120	2.120	(0.528)	16662	4.00000	3.54810(a)
6 Pyridine	79	2.158	2.158	(0.537)	31006	4.00000	3.74086(a)
14 Benzaldehyde	106	3.659	3.659	(0.911)	14770	4.00000	3.46797(a)
16 Phenol	94	3.659	3.659	(0.911)	32243	4.00000	3.53399(a)
18 Aniline	93	3.734	3.734	(0.930)	37493	4.00000	3.37083(a)
19 Methyl Styrene	118	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	3.760	3.760	(0.936)	31480	4.00000	4.02658(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
21	Decane	43	3.809	3.809	(0.948)	17347	4.00000	3.53728(a)
23	2-Chlorophenol	128	3.835	3.835	(0.955)	26113	4.00000	3.53966(a)
25	1,3-Dichlorobenzene	146	3.974	3.974	(0.989)	34863	4.00000	4.04214
27	1,4-Dichlorobenzene	146	4.033	4.033	(1.004)	33893	4.00000	3.87995(a)
28	Benzyl alcohol	108	4.113	4.113	(1.024)	14267	4.00000	3.10453(a)
30	1,2-Dichlorobenzene	146	4.172	4.172	(1.039)	32768	4.00000	3.93355(a)
32	2-Methylphenol	108	4.188	4.188	(1.043)	23422	4.00000	3.49389(a)
34	2,2'-oxybis(1-chloropropane)	45	4.215	4.215	(1.049)	21079	4.00000	3.75250(a)
35	1H-Indene	116	4.247	4.247	(1.057)	39888	4.00000	3.53245(a)
138	3-Methylphenol	108	4.321	4.321	(1.076)	24428	4.00000	3.58448(a)
36	4-Methylphenol	108	4.321	4.321	(1.076)	24428	4.00000	3.58448(a)
139	3 & 4-Methylphenol	108	4.321	4.321	(1.076)	24428	4.00000	3.58448(a)
37	N-nitrosodi-n-propylamine	70	4.337	4.337	(1.080)	17678	4.00000	3.14312(a)
38	Acetophenone	105	4.359	4.359	(1.085)	36157	4.00000	3.53316(a)
41	Hexachloroethane	117	4.476	4.476	(1.114)	13295	4.00000	3.54911(a)
44	Nitrobenzene	77	4.530	4.530	(0.872)	30744	4.00000	3.48790(a)
47	Isophorone	82	4.733	4.733	(0.912)	44080	4.00000	3.17545(a)
50	2,4-Dimethylphenol	107	4.818	4.818	(0.928)	25325	4.00000	3.30925(a)
49	2-Nitrophenol	139	4.824	4.824	(0.929)	11588	4.00000	3.06890(a)
53	Benzoic acid	122	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	4.914	4.914	(0.947)	30625	4.00000	3.72520(a)
54	2,4-Dichlorophenol	162	5.037	5.037	(0.970)	19534	4.00000	3.30124(a)
56	n-Dodecane	43	5.101	5.101	(0.983)	19319	4.00000	3.87718(a)
57	1,2,4-Trichlorobenzene	180	5.128	5.128	(0.988)	28760	4.00000	3.90893(a)
59	Naphthalene	128	5.214	5.214	(1.004)	83473	4.00000	4.01372
60	4-Chloroaniline	127	5.256	5.256	(1.012)	29967	4.00000	3.56419(a)
62	Hexachlorobutadiene	225	5.304	5.304	(1.022)	19007	4.00000	3.71734(a)
67	Caprolactam	55	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	5.694	5.694	(1.097)	16926	4.00000	2.88355(a)
71	2-Methylnaphthalene	142	5.876	5.876	(1.132)	50485	4.00000	3.56124(a)
72	1-Methylnaphthalene	142	5.972	5.972	(1.150)	49018	4.00000	3.77222(a)
74	Hexachlorocyclopentadiene	237	6.015	6.015	(0.876)	16448	4.00000	2.91662(a)
78	2,4,6-Trichlorophenol	196	6.138	6.138	(0.894)	13197	4.00000	2.75160(a)
79	2,3-Dichlorobenzeneamine	161	6.154	6.154	(0.897)	26279	4.00000	3.54734(a)
80	2,4,5-Trichlorophenol	196	6.175	6.175	(0.900)	13787	4.00000	2.83226(a)
83	Tetradecane	43	6.239	6.239	(0.909)	17174	4.00000	3.33921(a)
86	2-Chloronaphthalene	162	6.346	6.346	(0.925)	51362	4.00000	3.73956(a)
88	2-Nitroaniline	65	6.442	6.442	(0.939)	10432	4.00000	2.60904(a)
91	Dimethyl phthalate	163	6.576	6.576	(0.958)	59017	4.00000	3.81935(a)
93	2,6-Dinitrotoluene	165	6.656	6.656	(0.970)	12078	4.00000	3.30270(a)
94	Acenaphthylene	152	6.741	6.741	(0.982)	79050	4.00000	3.65110(a)
95	3-Nitroaniline	138	6.822	6.822	(0.994)	11766	4.00000	3.31989(a)
97	Acenaphthene	153	6.896	6.896	(1.005)	51035	4.00000	3.73739(a)
98	2,4-Dinitrophenol	184	Compound Not Detected.					
99	4-Nitrophenol	109	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	7.025	7.025	(1.023)	11995	4.00000	2.60205(a)
102	Dibenzofuran	168	7.051	7.051	(1.027)	76937	4.00000	3.94526(a)
105	Hexadecane	57	7.179	7.179	(1.046)	21560	4.00000	3.38275(a)
107	Diethyl phthalate	149	7.211	7.211	(1.051)	54631	4.00000	3.54752(a)
109	4-Chlorophenyl phenyl ether	204	7.340	7.340	(1.069)	29682	4.00000	3.50743(a)
110	Fluorene	166	7.361	7.361	(1.072)	60899	4.00000	3.68903(a)
112	4-Nitroaniline	138	7.382	7.382	(1.075)	9197	4.00000	2.64827(a)
113	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	7.447	7.447	(0.909)	49221	4.00000	3.48744(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
116	Azobenzene	77	7.479	7.479	(1.089)	67303	4.00000	3.58996(a)
234	1,2-DPH(as Azobenzene)	77	7.479	7.479	(1.089)	67303	4.04390	3.62935(a)
242	2,4,6 - Tribromophenol	330	7.580	7.580	(1.104)	8574	6.00000	8.26038(a)
124	4-Bromophenyl phenyl ether	248	7.778	7.778	(0.949)	17823	4.00000	3.35271(a)
125	Hexachlorobenzene	284	7.847	7.847	(0.958)	18924	4.00000	3.26652(a)
127	Atrazine	200	7.890	7.890	(0.963)	12789	4.00000	2.72705(a)
128	n-Octadecane	85	7.986	7.986	(0.975)	11358	4.00000	2.97623(a)
129	Pentachlorophenol	266	8.018	8.018	(0.978)	5758	4.00000	9.27209(a)
136	Phenanthrene	178	8.216	8.216	(1.003)	89765	4.00000	3.75011(a)
137	Anthracene	178	8.259	8.259	(1.008)	79126	4.00000	3.31859(a)
140	Carbazole	167	8.397	8.397	(1.025)	73735	4.00000	3.37257(a)
141	Alachlor	188	8.467	8.467	(1.033)	7919	4.00000	2.42024(a)
143	Di-n-butyl phthalate	149	8.622	8.622	(1.052)	68406	4.00000	2.81635(a)
144	n-Eicosane	43	8.697	8.697	(1.061)	14563	4.00000	2.61606(a)
149	Fluoranthene	202	9.247	9.247	(1.128)	87490	4.00000	3.20189(a)
150	n-docosane	43	9.343	9.343	(1.140)	10645	4.00000	5.76111(a)
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.455	9.455	(0.900)	99652	4.00000	3.71294(a)
158	Famphur	218	9.899	9.899	(0.942)	25254	4.00000	3.99540(a)
159	Butyl benzyl phthalate	149	9.925	9.925	(0.945)	29087	4.00000	4.13883
162	Bis(2-ethylhexyl) phthalate	149	10.379	10.379	(0.988)	28263	4.00000	4.22153(a)
164	3 3'-Dichlorobenzidine	252	10.454	10.454	(0.995)	23253	4.00000	2.52249(a)
165	Benzo(a)anthracene	228	10.497	10.497	(0.999)	97359	4.00000	3.60066(a)
167	Chrysene	228	10.534	10.534	(1.003)	95225	4.00000	3.82864(a)
168	Di-n-octyl phthalate	149	10.940	10.940	(1.041)	41263	4.00000	4.30202(Q)
171	Benzo(b)fluoranthene	252	11.442	11.442	(0.971)	85095	4.00000	5.66220(H)
172	Benzo(k)fluoranthene	252	11.464	11.464	(0.972)	97161	4.00000	3.31594(a)
178	Benzo(a)pyrene	252	11.736	11.736	(0.995)	71258	4.00000	4.25109(H)
185	Dibenz(a,h)anthracene	278	12.858	12.858	(1.091)	71255	4.00000	5.47917(H)
186	Indeno(1,2,3-cd)pyrene	276	12.863	12.863	(1.224)	87953	4.00000	4.23558
188	Benzo(g,h,i)perylene	276	13.195	13.195	(1.119)	77187	4.00000	3.29535(a)

QC Flag Legend

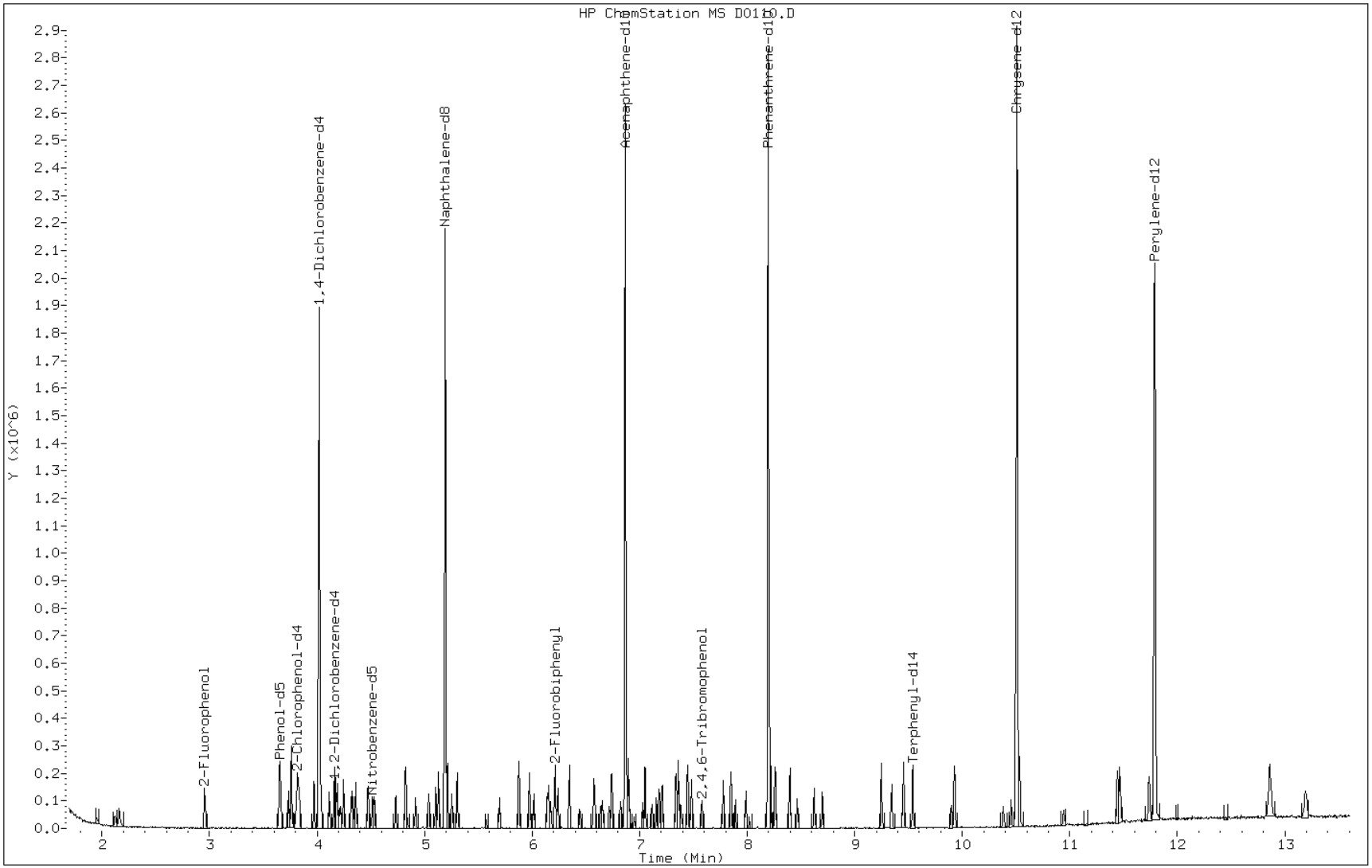
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: D0110.D

Date: 18-APR-2012 12:26

Client ID: Instrument: D.i

Sample Info: IC-1363228,,HSL004 Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-115987/9 Calibration Date: 04/18/2012 09:33

Instrument ID: MSS_D Calib Start Date: 04/18/2012 07:24

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 09:14

Lab File ID: D0101.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl methanesulfonate	Ave	1.106	1.037		93.8	100	-6.2	50.0
N-Nitrosopyrrolidine	Ave	0.6893	0.7121		103	100	3.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.2189	0.2179		99.5	100	-0.5	35.0
2,6-Dichlorophenol	Ave	0.3096	0.3466		112	100	12.0	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4364	0.4474		103	100	2.5	35.0
1,1'-Biphenyl	Ave	1.536	1.452		94.6	100	-5.4	35.0
2,3,4,6-Tetrachlorophenol	Qua	0.3638	0.3717		97.8	100	-2.2	35.0
Thionazin	Ave	0.3227	0.3266		101	100	1.2	35.0
Sulfotepp	Ave	0.1538	0.1274		82.8	100	-17.2	35.0
Dimethoate	Ave	0.1777	0.2382		134	100	34.1	35.0
Pentachloronitrobenzene	Qua	0.1611	0.1726		101	100	1.3	50.0
Disulfoton	Ave	0.3510	0.3388		96.5	100	-3.5	35.0
Methyl parathion	Ave	0.1931	0.2459		127	100	27.4	35.0
Ethyl Parathion	Ave	0.1541	0.1631		106	100	5.9	35.0
p-Dimethylamino azobenzene	Ave	0.3113	0.3065		98.5	100	-1.5	50.0
7,12-Dimethylbenz(a)anthracene	Lin2	0.7007	0.6529		88.4	100	-11.6	50.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0101.D
Lab Smp Id: ICV-1363814
Inj Date : 18-APR-2012 09:33
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-1363814,,AP9SSV1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\8270C.m
Meth Date : 18-Apr-2012 10:25 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 09:14 Cal File: D0100.D
Als bottle: 9 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9SSV1.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.020	4.015	(1.000)	204503	40.0000	
* 58 Naphthalene-d8	136	5.195	5.190	(1.000)	751490	40.0000	
* 96 Acenaphthene-d10	164	6.867	6.867	(1.000)	475048	40.0000	
* 135 Phenanthrene-d10	188	8.197	8.197	(1.000)	844133	40.0000	
* 166 Chrysene-d12	240	10.505	10.500	(1.000)	1071745	40.0000	
* 179 Perylene-d12	264	11.776	11.766	(1.000)	860203	40.0000	
9 2-Picoline	93	2.593	2.594	(0.645)	581855	80.3064	80.3064
10 N-Nitrosomethylethylamine	88	2.652	2.652	(0.660)	313976	97.3356	97.3356
11 Methyl methanesulfonate	80	2.850	2.850	(0.709)	359631	159.456	159.456(R)
12 N-Nitrosodiethylamine	102	3.143	3.138	(0.782)	320867	98.8273	98.8273
13 Ethyl methanesulfonate	79	3.352	3.347	(0.834)	530253	93.7630	93.7630
24 Pentachloroethane	117	3.785	3.785	(0.942)	266060	92.5075	92.5075
39 N-Nitrosopyrrolidine	100	4.356	4.351	(1.084)	364060	103.311	103.311
40 N-Nitrosomorpholine	116	4.383	4.378	(1.090)	145034	101.064	101.064
42 o-Toluidine	106	4.399	4.394	(1.094)	1092870	98.7335	98.7335
46 N-Nitrosopiperidine	114	4.671	4.672	(0.899)	342244	106.026	106.026
51 O,O,O-Triethyl phosphorothio	198	4.869	4.869	(0.937)	409308	99.5248	99.5248
55 a,a-Dimethylphenethylamine	58	Compound Not Detected.					
61 2,6-Dichlorophenol	162	5.259	5.259	(1.012)	651093	111.951	111.951
63 Hexachloropropene	213	5.286	5.286	(1.017)	681545	102.680	102.680
64 N-Nitrosodi-n-butylamine	84	5.542	5.542	(1.067)	498838	103.619	103.619
66 p-Phenylenediamine	108	5.606	5.596	(1.079)	595578	73.6754	73.6754

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
70	Safrole	162	5.772	5.772	(1.111)	550535	96.1700	96.1700
75	1,2,4,5-Tetrachlorobenzene	216	6.039	6.034	(1.162)	840595	102.517	102.517
76	Isosafrole (#1)	162	6.055	6.055	(0.882)	86979	15.8256	15.8256
84	Isosafrole (#2)	104	6.269	6.269	(0.913)	351471	84.1645	84.1645
85	Biphenyl	154	6.317	6.312	(0.920)	1724443	94.5603	94.5602
87	1-Chloronaphthalene	162	6.375	6.370	(0.928)	1290247	90.7328	90.7328
89	1,4-Naphthoquinone	158	6.520	6.515	(0.949)	446095	158.509	158.508(R)
90	1,4-Dinitrobenzene	168	6.568	6.568	(0.956)	237489	99.1281	99.1281
92	1,3-Dinitrobenzene	168	6.643	6.638	(0.967)	257900	103.415	103.415
100	Pentachlorobenzene	250	7.011	7.011	(1.021)	746244	99.9984	99.9984
103	1-Naphthylamine	143	7.129	7.129	(1.038)	1372733	93.6002	93.6002
104	2,3,4,6-Tetrachlorophenol	232	7.155	7.156	(1.042)	441436	97.7547	97.7547
106	2-Naphthylamine	143	7.203	7.198	(1.049)	1446285	100.366	100.366
108	Thionazin	97	7.289	7.284	(1.061)	387836	101.184	101.184
111	5-Nitro-o-toluidine	152	7.374	7.369	(1.074)	463770	100.038	100.038
114	Diphenylamine	169	7.449	7.444	(1.085)	1388466	95.4830	95.4830
117	Sulfotepp	97	7.540	7.535	(0.920)	268874	82.8350	82.8350
119	Diallate (#1)	86	7.674	7.674	(0.936)	581265	81.3146	81.3146
122	Phenacetin	108	7.711	7.695	(0.941)	783547	95.6830	95.6830
123	Diallate (#2)	86	7.759	7.759	(0.947)	87259	25.1256	25.1256
126	Dimethoate	87	7.861	7.856	(0.959)	502747	134.100	134.100
130	4-Aminobiphenyl	169	8.015	8.010	(0.978)	2236168	103.578	103.578
131	Pentachloronitrobenzene	237	8.026	8.026	(0.979)	364315	101.313	101.313
133	Disulfoton	88	8.144	8.139	(0.993)	714951	96.5249	96.5249
134	2-secbutyl-4,6-dinitropheno	211	8.149	8.144	(0.994)	484688	102.334	102.334
142	Methyl parathion	109	8.486	8.481	(1.035)	519000	127.363	127.363
145	Parathion	109	8.801	8.801	(1.074)	344220	105.866	105.866
146	4-Nitroquinoline-1-oxide	190	8.897	8.897	(1.085)	275385	108.953	108.953
147	Methapyrilene	97	8.908	8.897	(1.087)	653706	113.072	113.072
148	Isodrin	193	9.111	9.111	(1.111)	323654	103.698	103.698
156	p-Dimethylaminoazobenzene	120	9.656	9.656	(0.919)	821204	98.4601	98.4601
157	Chlorobenzilate	251	9.677	9.672	(0.921)	799533	82.5970	82.5970
160	3,3'-Dimethylbenzidine	212	9.960	9.955	(0.948)	1592595	89.0946	89.0946
161	2-Acetylaminofluorene	181	10.190	10.179	(0.970)	964162	85.8477	85.8477
M 173	Total Isosafrole	162				438450	99.9901	99.9901
M 174	Total Diallate	86				668524	106.440	106.440
176	7,12-Dimethylbenz(a)anthrac	256	11.418	11.403	(0.970)	1404127	88.4084	88.4084
181	3-Methylcholanthrene	268	12.017	12.001	(1.020)	1425548	91.1225	91.1225
184	Dibenz(a,j)acridine	279	12.626	12.605	(1.072)	1987358	94.6403	94.6403

QC Flag Legend

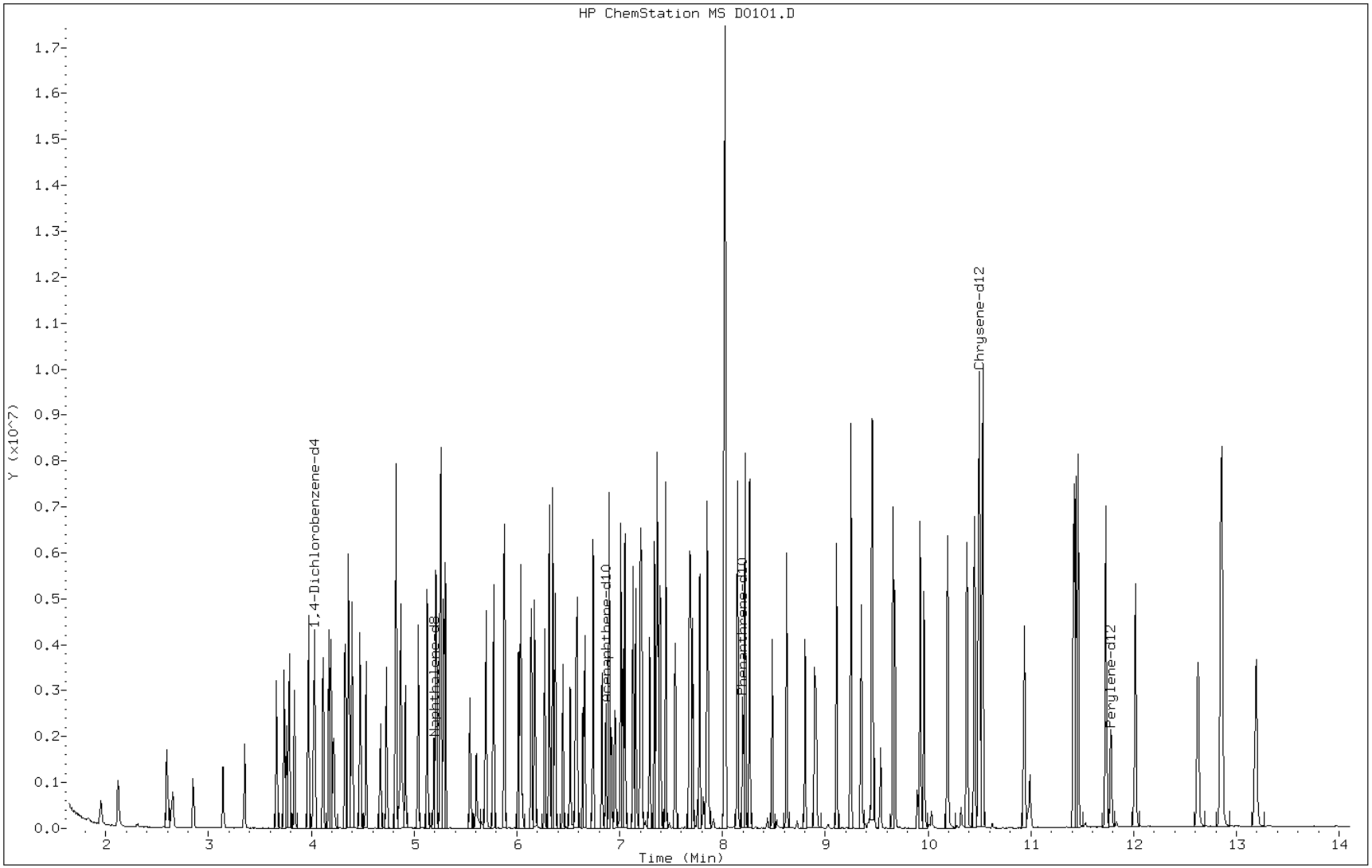
R - Spike/Surrogate failed recovery limits.

Data File: D0101.D

Date: 18-APR-2012 09:33

Client ID: Instrument: D.i

Sample Info: ICV-1363814,,AP9SSV1 Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-115987/10 Calibration Date: 04/18/2012 09:52

Instrument ID: MSS_D Calib Start Date: 04/18/2012 07:24

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 09:14

Lab File ID: D0102.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phorate	Ave	0.1383	0.1360		98.4	100	-1.6	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0102.D
Lab Smp Id: ICV-1314767
Inj Date : 18-APR-2012 09:52
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-1314767,,AP9SSV2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\8270C.m
Meth Date : 18-Apr-2012 10:25 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 07:24 Cal File: D0094.D
Als bottle: 10 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9SSV2.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
*	26 1,4-Dichlorobenzene-d4	152	4.019	4.015	(1.000)	209577	40.0000	
*	58 Naphthalene-d8	136	5.189	5.190	(1.000)	752999	40.0000	
*	96 Acenaphthene-d10	164	6.867	6.867	(1.000)	486033	40.0000	
*	135 Phenanthrene-d10	188	8.197	8.197	(1.000)	880439	40.0000	
*	166 Chrysene-d12	240	10.505	10.500	(1.000)	967484	40.0000	
*	179 Perylene-d12	264	11.776	11.766	(1.000)	855500	40.0000	
	55 a,a-Dimethylphenethylamine	58	5.371	4.998	(1.035)	1336581	123.073	123.072(M)
	120 1,3,5-Trinitrobenzene	213	7.679	7.674	(0.937)	207369	101.426	101.426
	121 Phorate	121	7.689	7.685	(0.938)	299432	98.3925	98.3925
	132 Pronamide	173	8.026	8.021	(0.979)	955209	98.6027	98.6027
	153 Aramite (#1)	185	9.474	9.474	(0.902)	121834	64.0611	64.0611
	155 Aramite (#2)	185	9.538	9.533	(0.908)	149568	43.8571	43.8571
M	175 Total Aramite	185				271402	107.918	107.918

QC Flag Legend

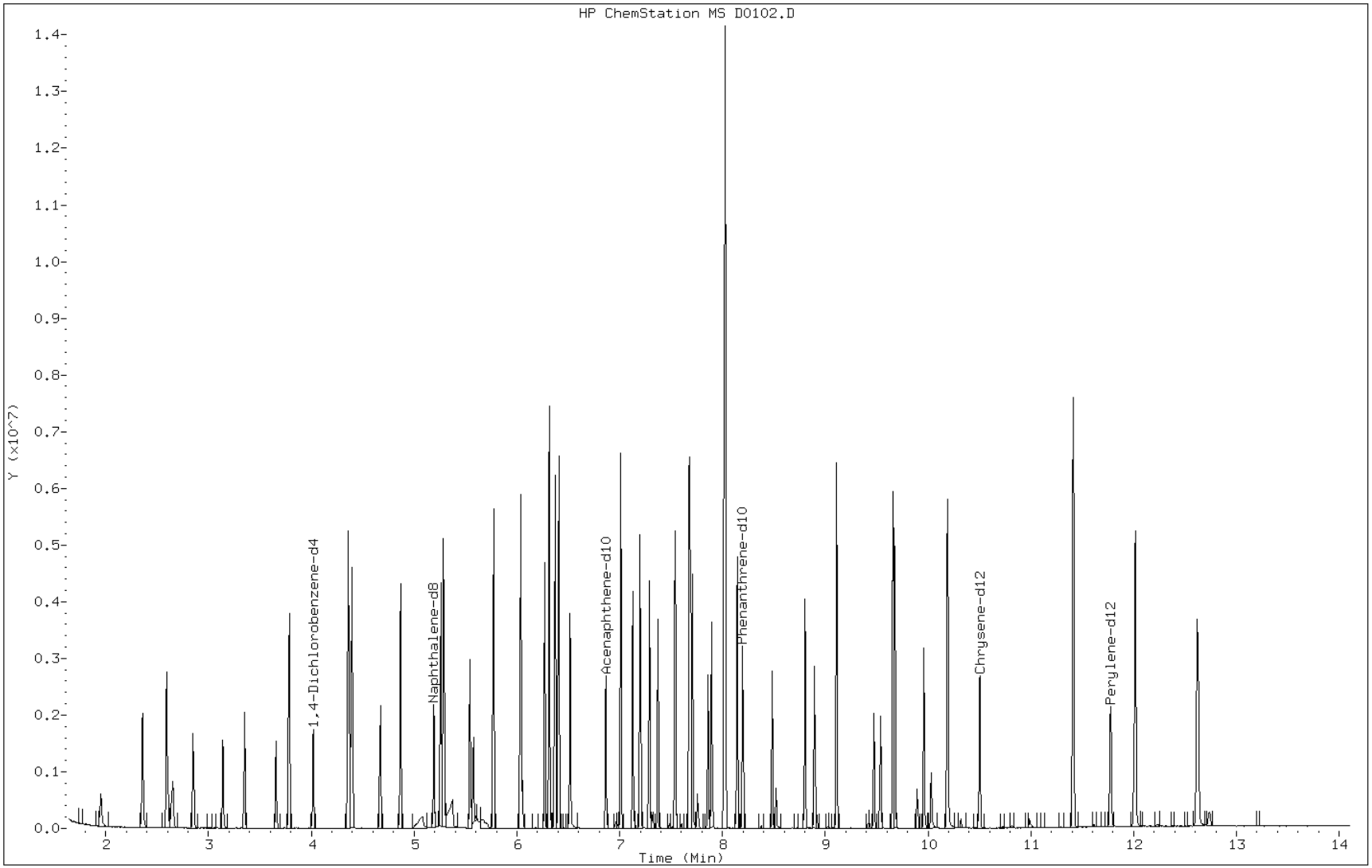
M - Compound response manually integrated.

Data File: D0102.D

Date: 18-APR-2012 09:52

Client ID: Instrument: D.i

Sample Info: ICV-1314767,,AP9SSV2 Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-116104/10 Calibration Date: 04/18/2012 12:45

Instrument ID: MSS_D Calib Start Date: 04/18/2012 10:12

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 12:26

Lab File ID: D0111.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6181	0.6024		78.0	80.0	-2.5	35.0
N-Nitrosodimethylamine	Ave	0.8957	0.9011		80.5	80.0	0.6	20.0
Pyridine	Ave	1.581	1.573		79.6	80.0	-0.5	35.0
Phenol	Ave	1.740	1.708		78.5	80.0	-1.9	20.0
Aniline	Ave	2.122	2.030		76.5	80.0	-4.3	35.0
Bis(2-chloroethyl)ether	Ave	1.491	1.473		79.0	80.0	-1.2	20.0
2-Chlorophenol	Ave	1.407	1.380		78.5	80.0	-1.9	20.0
1,3-Dichlorobenzene	Ave	1.645	1.614		78.5	80.0	-1.9	20.0
1,4-Dichlorobenzene	Ave	1.666	1.668		80.1	80.0	0.1	20.0
Benzyl alcohol	Ave	0.8766	0.8712		79.5	80.0	-0.6	20.0
1,2-Dichlorobenzene	Ave	1.589	1.554		78.2	80.0	-2.2	20.0
2-Methylphenol	Ave	1.279	1.247		78.0	80.0	-2.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.071	1.035		0.00100	80.0	-3.4	20.0
4-Methylphenol	Ave	1.300	1.300		80.0	80.0	0.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.073	1.076	0.0500	80.3	80.0	0.3	20.0
Acetophenone	Ave	1.952	1.918		78.6	80.0	-1.8	35.0
Hexachloroethane	Ave	0.7145	0.7188		80.5	80.0	0.6	20.0
Nitrobenzene	Ave	0.4769	0.4720		79.2	80.0	-1.0	20.0
Isophorone	Ave	0.7511	0.7576		80.7	80.0	0.9	20.0
2,4-Dimethylphenol	Ave	0.4141	0.4075		78.7	80.0	-1.6	20.0
2-Nitrophenol	Ave	0.2043	0.2091		81.9	80.0	2.3	20.0
Benzoic acid	Ave	0.1870	0.1915		81.9	80.0	2.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.4448	0.4374		78.7	80.0	-1.7	20.0
2,4-Dichlorophenol	Ave	0.3202	0.3254		81.3	80.0	1.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3981	0.4054		81.5	80.0	1.8	20.0
Naphthalene	Ave	1.125	1.097		78.0	80.0	-2.5	20.0
4-Chloroaniline	Ave	0.4549	0.4453		78.3	80.0	-2.1	20.0
Hexachlorobutadiene	Ave	0.2767	0.2771		80.1	80.0	0.2	20.0
Caprolactam	Ave	0.1011	0.1038		82.2	80.0	2.7	35.0
4-Chloro-3-methylphenol	Ave	0.3176	0.3242		81.7	80.0	2.1	20.0
2-Methylnaphthalene	Ave	0.7671	0.7512		78.3	80.0	-2.1	20.0
1-Methylnaphthalene	Ave	0.7031	0.7193		81.8	80.0	2.3	35.0
Hexachlorocyclopentadiene	Ave	0.4959	0.5179		83.5	80.0	4.4	35.0
2,4,6-Trichlorophenol	Ave	0.4218	0.4369		82.9	80.0	3.6	20.0
2,4,5-Trichlorophenol	Ave	0.4281	0.4602		86.0	80.0	7.5	20.0
2-Chloronaphthalene	Ave	1.208	1.219		80.7	80.0	0.9	20.0
2-Nitroaniline	Ave	0.3516	0.3899		88.7	80.0	10.9	20.0
Dimethyl phthalate	Ave	1.359	1.387		81.6	80.0	2.0	20.0
2,6-Dinitrotoluene	Ave	0.3216	0.3078		76.6	80.0	-4.3	20.0
Acenaphthylene	Ave	1.904	1.919		80.7	80.0	0.8	20.0
3-Nitroaniline	Ave	0.3117	0.3250		83.4	80.0	4.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-116104/10 Calibration Date: 04/18/2012 12:45

Instrument ID: MSS_D Calib Start Date: 04/18/2012 10:12

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 12:26

Lab File ID: D0111.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.201	1.195		79.6	80.0	-0.5	20.0
2,4-Dinitrophenol	Lin2	0.1819	0.1697	0.0500	72.3	80.0	-9.6	20.0
4-Nitrophenol	Ave	0.2627	0.2770	0.0500	84.3	80.0	5.4	20.0
2,4-Dinitrotoluene	Ave	0.4054	0.4128		81.5	80.0	1.8	20.0
Dibenzofuran	Ave	1.715	1.733		80.8	80.0	1.0	20.0
Diethyl phthalate	Ave	1.354	1.391		82.2	80.0	2.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.7442	0.7470		80.3	80.0	0.4	20.0
Fluorene	Ave	1.452	1.464		80.7	80.0	0.9	20.0
4-Nitroaniline	Ave	0.3054	0.3171		83.1	80.0	3.8	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1454	0.1400		77.0	80.0	-3.7	20.0
N-Nitrosodiphenylamine	Ave	0.6758	0.6294		63.6	68.3	-6.9	20.0
1,2-Diphenylhydrazine	Ave	1.631	1.701		84.4	80.9	4.3	20.0
4-Bromophenyl phenyl ether	Ave	0.2546	0.2512		79.0	80.0	-1.3	20.0
Hexachlorobenzene	Ave	0.2774	0.2725		78.6	80.0	-1.8	20.0
Atrazine	Ave	0.2246	0.2342		83.4	80.0	4.3	35.0
Pentachlorophenol	Lin2	0.1700	0.1570		71.7	80.0	-10.3	20.0
Phenanthrene	Ave	1.146	1.141		79.6	80.0	-0.5	20.0
Anthracene	Ave	1.142	1.143		80.1	80.0	0.1	20.0
Carbazole	Ave	1.047	1.047		80.0	80.0	-0.0	20.0
Di-n-butyl phthalate	Ave	1.163	1.231		84.7	80.0	5.8	20.0
Fluoranthene	Ave	1.308	1.327		81.1	80.0	1.4	20.0
Pyrene	Ave	1.128	1.121		79.5	80.0	-0.6	20.0
Butyl benzyl phthalate	Lin2	0.4524	0.4345		71.0	80.0	-11.2	20.0
Bis(2-ethylhexyl) phthalate	Lin2	0.5299	0.5894		79.6	80.0	-0.6	20.0
Benzo[a]anthracene	Ave	1.137	1.135		79.9	80.0	-0.2	20.0
Chrysene	Ave	1.046	1.095		83.8	80.0	4.7	20.0
Di-n-octyl phthalate	Lin2	0.8241	0.9503		81.2	80.0	1.5	20.0
Benzo[b]fluoranthene	Qua	1.348	1.302		72.5	80.0	-9.4	20.0
Benzo[k]fluoranthene	Ave	1.409	1.400		79.5	80.0	-0.6	20.0
Benzo[a]pyrene	Lin2	1.204	1.096		67.1	80.0	-16.1	20.0
Dibenz(a,h)anthracene	Lin1	1.234	1.236		68.8	80.0	-14.0	20.0
Indeno[1,2,3-cd]pyrene	Lin2	1.230	1.205		72.8	80.0	-9.0	20.0
Benzo[g,h,i]perylene	Ave	1.126	1.134		80.5	80.0	0.7	20.0
2-Fluorophenol (Surr)	Ave	1.312	1.324		121	120	0.9	35.0
Phenol-d5 (Surr)	Ave	1.694	1.662		118	120	-1.9	35.0
Nitrobenzene-d5 (Surr)	Ave	0.4770	0.4689		78.6	80.0	-1.7	35.0
2-Fluorobiphenyl	Ave	1.458	1.454		79.8	80.0	-0.2	20.0
2,4,6-Tribromophenol (Surr)	Qua	0.2117	0.2219		117	120	-2.3	35.0
Terphenyl-d14 (Surr)	Ave	0.8090	0.7292		72.1	80.0	-9.9	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0111.D
Lab Smp Id: ICV-1363243
Inj Date : 18-APR-2012 12:45
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-1363243,,HSLSSV080
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\8270C.m
Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 19 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSLSSV.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.016	4.017	(1.000)	220239	40.0000	
* 58 Naphthalene-d8	136	5.192	5.192	(1.000)	793308	40.0000	
* 96 Acenaphthene-d10	164	6.869	6.864	(1.000)	484154	40.0000	
* 135 Phenanthrene-d10	188	8.199	8.194	(1.000)	884408	40.0000	
* 166 Chrysene-d12	240	10.518	10.508	(1.000)	1075377	40.0000	
* 179 Perylene-d12	264	11.800	11.790	(1.000)	905984	40.0000	
$ 43 Nitrobenzene-d5	82	4.513	4.514	(0.869)	743879	78.6289	78.6289
$ 81 2-Fluorobiphenyl	172	6.212	6.213	(0.904)	1408242	79.8216	79.8216
$ 154 Terphenyl-d14	244	9.540	9.541	(0.907)	1568425	72.1104	72.1104
$ 8 2-Fluorophenol	112	2.959	2.954	(0.737)	875066	121.092	121.092
$ 15 Phenol-d5	99	3.653	3.648	(0.910)	1098309	117.756	117.756
$ 118 2,4,6-Tribromophenol	330	7.580	7.580	(1.103)	322259	117.280	117.280
6 Pyridine	79	2.157	2.158	(0.537)	692654	79.5725	79.5725
5 N-Nitrosodimethylamine	74	2.120	2.120	(0.528)	396932	80.4832	80.4832
18 Aniline	93	3.739	3.734	(0.931)	894206	76.5499	76.5499
16 Phenol	94	3.664	3.659	(0.912)	752301	78.5131	78.5131
20 Bis(2-chloroethyl) ether	93	3.760	3.760	(0.936)	648649	79.0009	79.0008
23 2-Chlorophenol	128	3.835	3.835	(0.955)	607917	78.4639	78.4639
25 1,3-Dichlorobenzene	146	3.974	3.974	(0.989)	710780	78.4698	78.4698
27 1,4-Dichlorobenzene	146	4.032	4.033	(1.004)	734730	80.0875	80.0875
28 Benzyl alcohol	108	4.113	4.113	(1.024)	383749	79.5117	79.5117
30 1,2-Dichlorobenzene	146	4.171	4.172	(1.039)	684346	78.2225	78.2224

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
32	2-Methylphenol	108	4.187	4.188	(1.043)	549076	77.9900	77.9900
35	1H-Indene	116	4.246	4.247	(1.057)	894600	75.4369	75.4369
34	2,2'-oxybis(1-chloropropane)	45	4.214	4.215	(1.049)	455732	77.2505	77.2505
138	3-Methylphenol	108	4.321	4.321	(1.076)	572573	80.0000	80.0000
36	4-Methylphenol	108	4.321	4.321	(1.076)	572573	80.0000	80.0000
139	3 & 4-Methylphenol	108	4.321	4.321	(1.076)	572573	80.0000	80.0000
37	N-nitrosodi-n-propylamine	70	4.342	4.337	(1.081)	474037	80.2530	80.2530
38	Acetophenone	105	4.364	4.359	(1.086)	844654	78.5906	78.5906
41	Hexachloroethane	117	4.476	4.476	(1.114)	316618	80.4800	80.4800
44	Nitrobenzene	77	4.535	4.530	(0.873)	748841	79.1654	79.1654
47	Isophorone	82	4.732	4.733	(0.912)	1201994	80.6878	80.6878
49	2-Nitrophenol	139	4.823	4.824	(0.929)	331733	81.8663	81.8663
50	2,4-Dimethylphenol	107	4.823	4.818	(0.929)	646504	78.7215	78.7215
52	Bis(2-chloroethoxy)methane	93	4.914	4.914	(0.946)	693989	78.6626	78.6626
53	Benzoic acid	122	4.882	4.848	(0.940)	303810	81.9247	81.9247(H)
54	2,4-Dichlorophenol	162	5.037	5.037	(0.970)	516354	81.3160	81.3160
57	1,2,4-Trichlorobenzene	180	5.128	5.128	(0.988)	643128	81.4533	81.4533
59	Naphthalene	128	5.213	5.214	(1.004)	1741288	78.0214	78.0214
60	4-Chloroaniline	127	5.256	5.256	(1.012)	706544	78.3068	78.3068
62	Hexachlorobutadiene	225	5.304	5.304	(1.022)	439648	80.1246	80.1246
68	4-Chloro-3-methylphenol	107	5.699	5.694	(1.098)	514360	81.6550	81.6550
71	2-Methylnaphthalene	142	5.876	5.876	(1.132)	1191891	78.3461	78.3460
72	1-Methylnaphthalene	142	5.977	5.972	(1.151)	1141253	81.8400	81.8400
74	Hexachlorocyclopentadiene	237	6.014	6.015	(0.876)	501466	83.5435	83.5435
78	2,4,6-Trichlorophenol	196	6.143	6.138	(0.894)	423056	82.8726	82.8726
80	2,4,5-Trichlorophenol	196	6.175	6.175	(0.899)	445622	86.0069	86.0069
86	2-Chloronaphthalene	162	6.351	6.346	(0.925)	1180483	80.7499	80.7499
88	2-Nitroaniline	65	6.447	6.442	(0.939)	377527	88.7085	88.7085
91	Dimethyl phthalate	163	6.581	6.576	(0.958)	1342647	81.6353	81.6353
93	2,6-Dinitrotoluene	165	6.655	6.656	(0.969)	298064	76.5750	76.5750
94	Acenaphthylene	152	6.741	6.741	(0.981)	1858618	80.6520	80.6520
95	3-Nitroaniline	138	6.826	6.822	(0.994)	314743	83.4362	83.4362
97	Acenaphthene	153	6.896	6.896	(1.004)	1157043	79.6073	79.6073
98	2,4-Dinitrophenol	184	6.917	6.915	(1.007)	164316	72.3118	72.3118
99	4-Nitrophenol	109	6.949	6.947	(1.012)	268183	84.3306	84.3306
101	2,4-Dinitrotoluene	165	7.029	7.025	(1.023)	399734	81.4685	81.4685
102	Dibenzofuran	168	7.051	7.051	(1.026)	1677890	80.8366	80.8366
107	Diethyl phthalate	149	7.211	7.211	(1.050)	1347382	82.2015	82.2015
109	4-Chlorophenyl phenyl ether	204	7.339	7.340	(1.068)	723348	80.3057	80.3057
110	Fluorene	166	7.361	7.361	(1.072)	1417741	80.6869	80.6868
112	4-Nitroaniline	138	7.387	7.382	(1.075)	307014	83.0574	83.0574
113	4,6-Dinitro-2-methylphenol	198	7.393	7.391	(0.902)	247645	77.0145	77.0145
115	N-nitrosodiphenylamine	169	7.451	7.447	(0.909)	950689	63.6221	63.6221
116	Azobenzene	77	7.484	7.479	(1.089)	1665637	83.4716	83.4716
234	1,2-DPH(as Azobenzene)	77	7.484	7.479	(1.089)	1665637	84.3877	84.3877
242	2,4,6 - Tribromophenol	330	7.580	7.580	(1.103)	322259	117.280	117.280
124	4-Bromophenyl phenyl ether	248	7.777	7.778	(0.949)	444368	78.9533	78.9533
125	Hexachlorobenzene	284	7.852	7.847	(0.958)	481937	78.5734	78.5734
129	Pentachlorophenol	266	8.018	8.018	(0.978)	277725	71.7228	71.7228
136	Phenanthrene	178	8.221	8.216	(1.003)	2017395	79.6050	79.6050
137	Anthracene	178	8.263	8.259	(1.008)	2022435	80.1164	80.1164
140	Carbazole	167	8.397	8.397	(1.024)	1851160	79.9732	79.9732
143	Di-n-butyl phthalate	149	8.621	8.622	(1.051)	2177064	84.6597	84.6597
149	Fluoranthene	202	9.252	9.247	(1.128)	2346766	81.1205	81.1205

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
152	Pyrene	202	9.455	9.455	(0.899)	2410959	79.4871	79.4871
159	Butyl benzyl phthalate	149	9.930	9.925	(0.944)	934480	71.0375	71.0375
165	Benzo(a)anthracene	228	10.502	10.497	(0.998)	2440870	79.8779	79.8778
167	Chrysene	228	10.539	10.534	(1.002)	2355263	83.7932	83.7932
162	Bis(2-ethylhexyl) phthalate	149	10.390	10.379	(0.988)	1267549	79.5544	79.5544
168	Di-n-octyl phthalate	149	10.951	10.940	(1.041)	2043868	81.2121	81.2120
171	Benzo(b)fluoranthene	252	11.458	11.442	(0.971)	2359984	72.4772	72.4772
172	Benzo(k)fluoranthene	252	11.479	11.464	(0.973)	2536920	79.5114	79.5114(H)
178	Benzo(a)pyrene	252	11.752	11.736	(0.996)	1986579	67.1368	67.1368
186	Indeno(1,2,3-cd)pyrene	276	12.879	12.863	(1.224)	2591588	72.8107	72.8106
185	Dibenz(a,h)anthracene	278	12.879	12.858	(1.091)	2239320	68.8226	68.8226
188	Benzo(g,h,i)perylene	276	13.216	13.195	(1.120)	2054389	80.5468	80.5468
19	Methyl Styrene	118	3.760	3.763	(0.936)	671190	79.1553	79.1553
141	Alachlor	188	8.466	8.467	(1.033)	285324	82.3644	82.3644
127	Atrazine	200	7.895	7.890	(0.963)	414305	83.4430	83.4430
67	Caprolactam	55	5.587	5.574	(1.076)	164672	82.1547	82.1547
79	2,3-Dichlorobenzeneamine	161	6.153	6.154	(0.896)	664965	84.3327	84.3327
21	Decane	43	3.808	3.809	(0.948)	405495	78.7320	78.7320
56	n-Dodecane	43	5.101	5.101	(0.983)	436187	81.5730	81.5730
83	Tetradecane	43	6.239	6.239	(0.908)	457533	83.5793	83.5793
128	n-Octadecane	85	7.986	7.986	(0.974)	332422	82.2748	82.2748
144	n-Eicosane	43	8.696	8.697	(1.061)	474998	80.5938	80.5938
150	n-docosane	43	9.343	9.343	(1.139)	477625	75.2271	75.2270
4	1,4-Dioxane	88	1.954	1.949	(0.487)	265335	77.9638	77.9638

QC Flag Legend

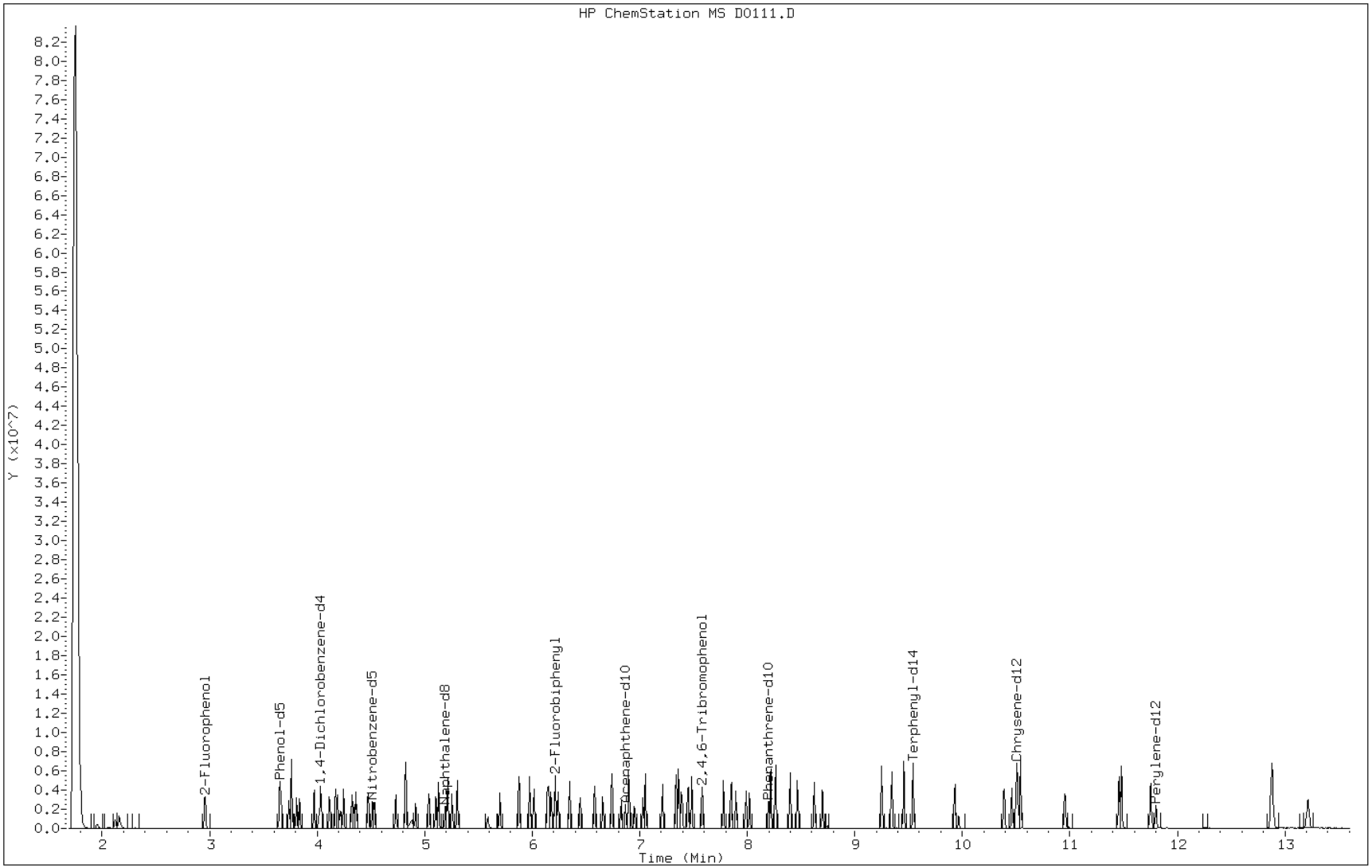
H - Operator selected an alternate compound hit.

Data File: D0111.D

Date: 18-APR-2012 12:45

Client ID: Instrument: D.i

Sample Info: ICV-1363243,,HSLSSV080 Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-116104/11 Calibration Date: 04/18/2012 13:04

Instrument ID: MSS_D Calib Start Date: 04/18/2012 10:12

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 12:26

Lab File ID: D0112.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzidine	Ave	0.5390	0.6236		116	100	15.7	20.0
3,3'-Dichlorobenzidine	Ave	0.3875	0.3999		103	100	3.2	20.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0112.D
Lab Smp Id: ICV-1363244
Inj Date : 18-APR-2012 13:04
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-1363244,,BENZ-SSV
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\8270C.m
Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 20 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 11-BENSSV.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

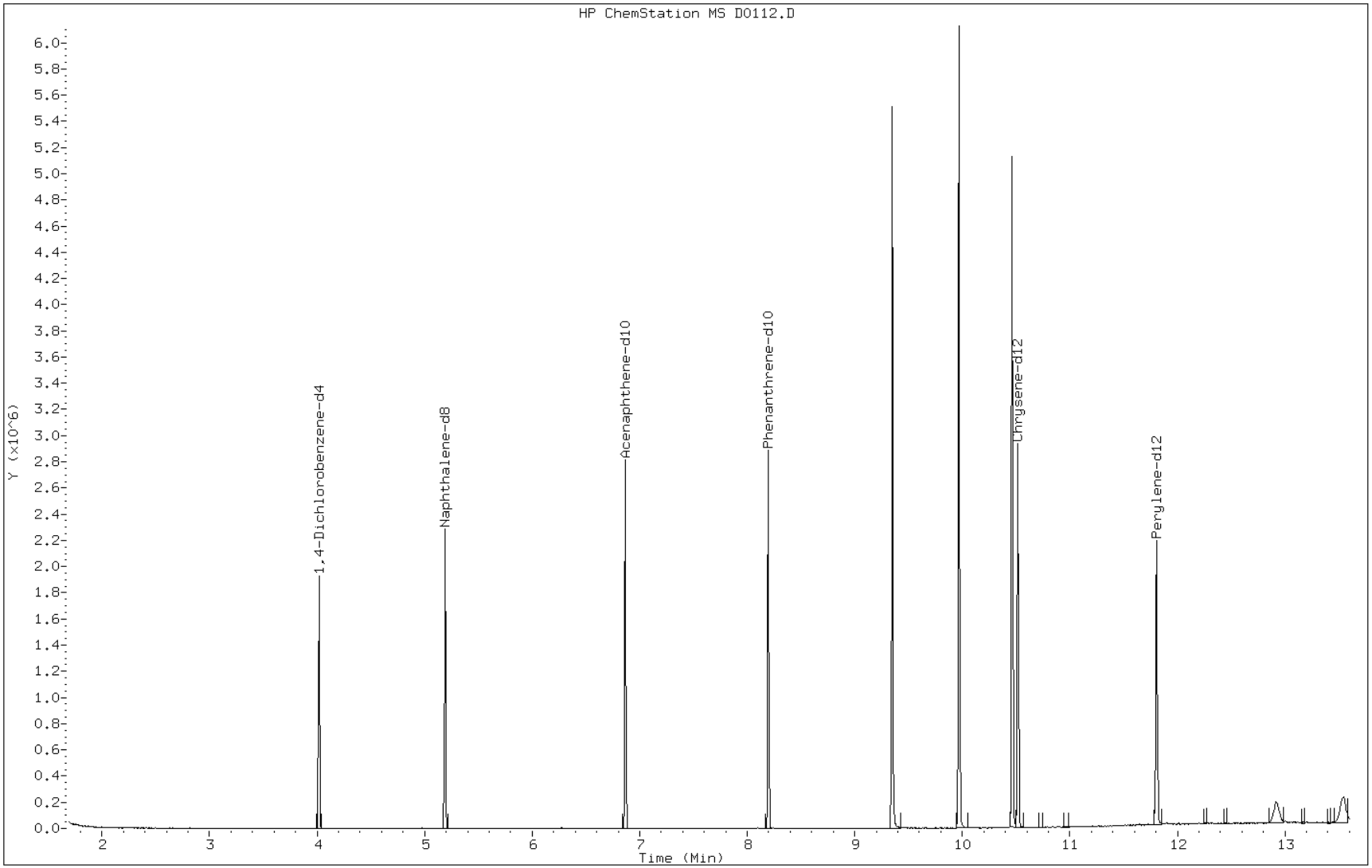
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.017	4.017	(1.000)	208034	40.0000	
* 58 Naphthalene-d8	136	5.192	5.192	(1.000)	754023	40.0000	
* 96 Acenaphthene-d10	164	6.864	6.864	(1.000)	475870	40.0000	
* 135 Phenanthrene-d10	188	8.194	8.194	(1.000)	856034	40.0000	
* 166 Chrysene-d12	240	10.518	10.508	(1.000)	1014987	40.0000	
* 179 Perylene-d12	264	11.806	11.790	(1.000)	853128	40.0000	
151 Benzidine	184	9.348	9.348	(0.889)	1582422	115.711	115.710
164 3 3'-Dichlorobenzidine	252	10.465	10.454	(0.995)	1014698	103.196	103.196

Data File: D0112.D

Date: 18-APR-2012 13:04

Client ID: Instrument: D.i

Sample Info: ICV-1363244,,BENZ-SSV Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-116104/12 Calibration Date: 04/18/2012 13:23

Instrument ID: MSS_D Calib Start Date: 04/18/2012 10:12

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 12:26

Lab File ID: D0113.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Lin2	0.3709	0.4930		122	100	21.9	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0113.D
Lab Smp Id: ICV-840613
Inj Date : 18-APR-2012 13:23
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-840613,,FAM-SSV
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\8270C.m
Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 21 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 12-FAM.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

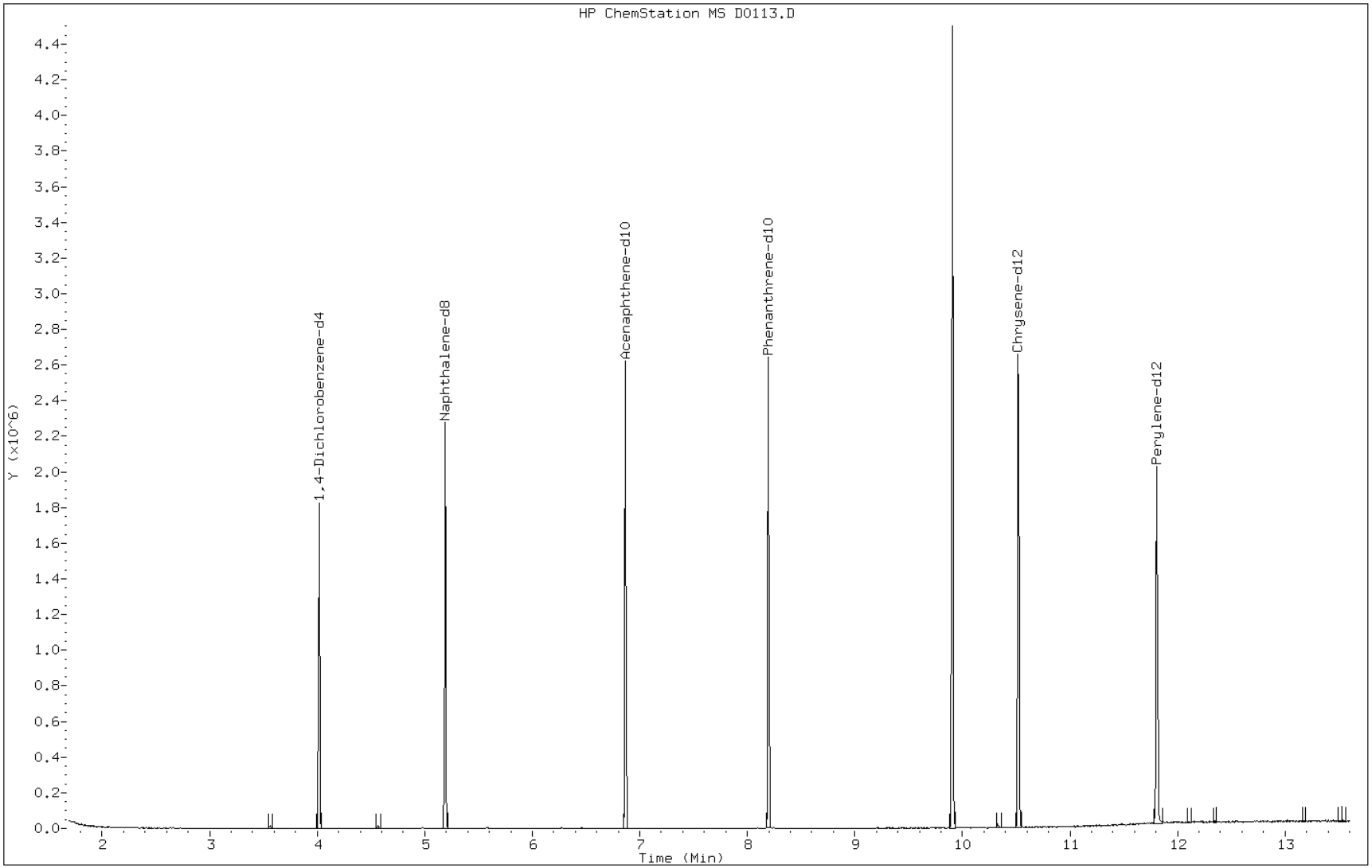
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.016	4.017	(1.000)	211372	40.0000	
* 58 Naphthalene-d8	136	5.191	5.192	(1.000)	766265	40.0000	
* 96 Acenaphthene-d10	164	6.863	6.864	(1.000)	472418	40.0000	
* 135 Phenanthrene-d10	188	8.193	8.194	(1.000)	843655	40.0000	
* 166 Chrysene-d12	240	10.517	10.508	(1.000)	949491	40.0000	
* 179 Perylene-d12	264	11.805	11.790	(1.000)	834753	40.0000	
158 Famphur	218	9.908	9.899	(0.942)	1170243	121.874	121.874

Data File: D0113.D

Date: 18-APR-2012 13:23

Client ID: Instrument: D.i

Sample Info: ICV-840613,,FAM-SSV Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-116104/13 Calibration Date: 04/18/2012 13:43

Instrument ID: MSS_D Calib Start Date: 04/18/2012 10:12

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 12:26

Lab File ID: D0114.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	0.8124	1.106		136	100	36.2*	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0114.D
Lab Smp Id: ICV-1314041
Inj Date : 18-APR-2012 13:43
Operator : hoffmanm Inst ID: D.i
Smp Info : ICV-1314041,,BZHD-SSV
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\8270C.m
Meth Date : 18-Apr-2012 14:36 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 22 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-BZHD.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.017	4.017	(1.000)	197269	40.0000	
* 58 Naphthalene-d8	136	5.193	5.192	(1.000)	718825	40.0000	
* 96 Acenaphthene-d10	164	6.865	6.864	(1.000)	443384	40.0000	
* 135 Phenanthrene-d10	188	8.195	8.194	(1.000)	786252	40.0000	
* 166 Chrysene-d12	240	10.513	10.508	(1.000)	857064	40.0000	
* 179 Perylene-d12	264	11.801	11.790	(1.000)	760389	40.0000	
14 Benzaldehyde	106	3.659	3.659	(0.911)	545602	136.184	136.184(R)

QC Flag Legend

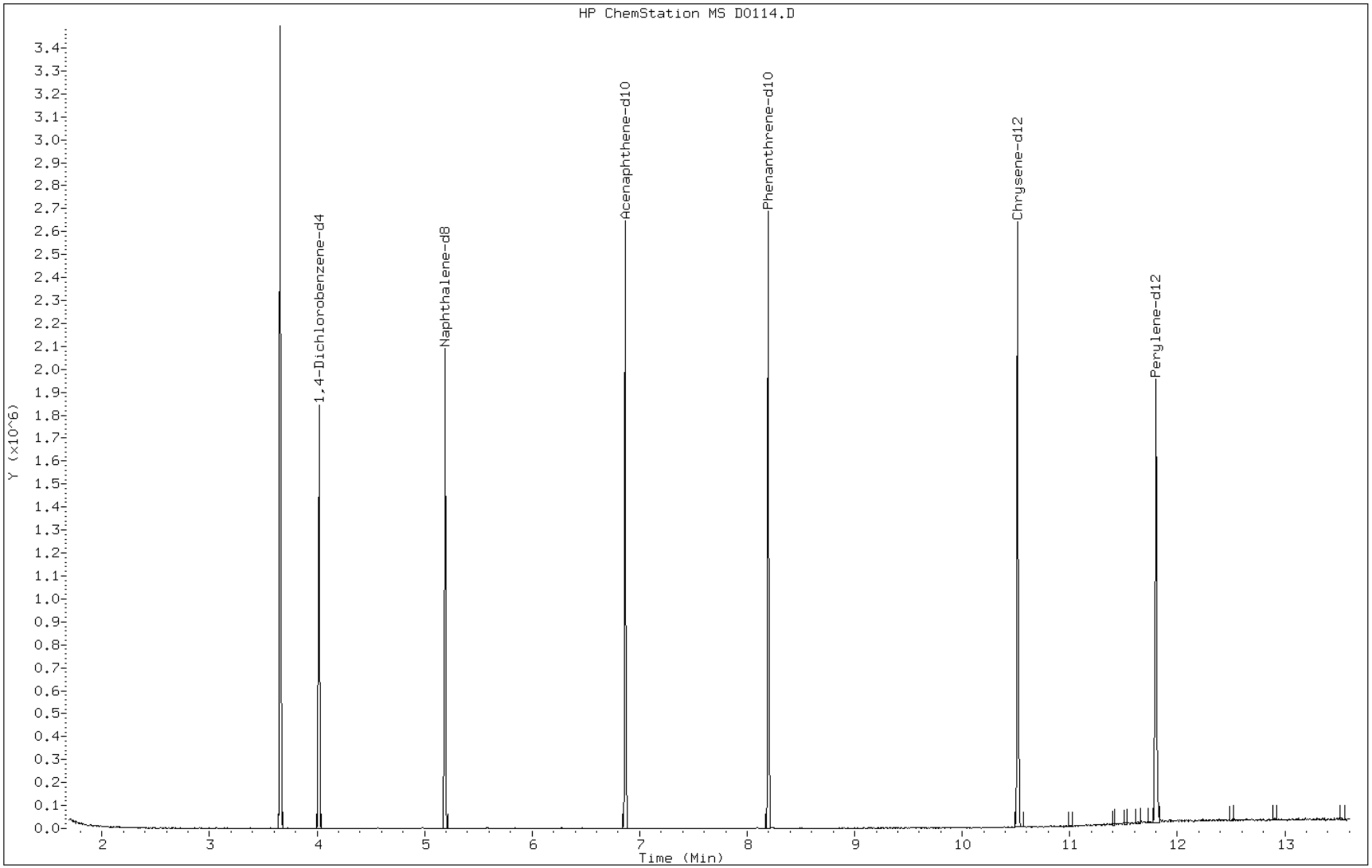
R - Spike/Surrogate failed recovery limits.

Data File: D0114.D

Date: 18-APR-2012 13:43

Client ID: Instrument: D.i

Sample Info: ICV-1314041,,BZHD-SSV Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-116156/2 Calibration Date: 04/18/2012 14:20

Instrument ID: MSS_D Calib Start Date: 04/18/2012 10:12

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 12:26

Lab File ID: D0116.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6181	0.6027		78.0	80.0	-2.5	35.0
N-Nitrosodimethylamine	Ave	0.8957	0.8896		79.5	80.0	-0.7	20.0
Pyridine	Ave	1.581	1.613		81.6	80.0	2.0	35.0
Benzaldehyde	Ave	0.8124	0.8320		81.9	80.0	2.4	35.0
Phenol	Ave	1.740	1.771		81.4	80.0	1.7	20.0
Aniline	Ave	2.122	2.157		81.3	80.0	1.7	35.0
Bis(2-chloroethyl)ether	Ave	1.491	1.504		80.7	80.0	0.9	20.0
2-Chlorophenol	Ave	1.407	1.437		81.7	80.0	2.1	20.0
1,3-Dichlorobenzene	Ave	1.645	1.645		80.0	80.0	-0.0	20.0
1,4-Dichlorobenzene	Ave	1.666	1.697		81.5	80.0	1.9	20.0
Benzyl alcohol	Ave	0.8766	0.8696		79.4	80.0	-0.8	20.0
1,2-Dichlorobenzene	Ave	1.589	1.599		80.5	80.0	0.6	20.0
2-Methylphenol	Ave	1.279	1.308		81.8	80.0	2.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.071	1.079		80.5	80.0	0.7	20.0
3 & 4 Methylphenol	Ave	1.300	1.330		81.9	80.0	2.3	20.0
4-Methylphenol	Ave	1.300	1.330		81.9	80.0	2.3	20.0
N-Nitrosodi-n-propylamine	Ave	1.073	1.098	0.0500	81.9	80.0	2.4	20.0
Acetophenone	Ave	1.952	1.973		80.9	80.0	1.1	35.0
Hexachloroethane	Ave	0.7145	0.7479		83.7	80.0	4.7	20.0
Nitrobenzene	Ave	0.4769	0.4796		80.5	80.0	0.6	20.0
Isophorone	Ave	0.7511	0.7637		81.3	80.0	1.7	20.0
2,4-Dimethylphenol	Ave	0.4141	0.4258		82.3	80.0	2.8	20.0
2-Nitrophenol	Ave	0.2043	0.2078		81.4	80.0	1.7	20.0
Benzoic acid	Ave	0.1870	0.1759		75.3	80.0	-5.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.4448	0.4545		81.7	80.0	2.2	20.0
2,4-Dichlorophenol	Ave	0.3202	0.3269		81.7	80.0	2.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3981	0.4081		82.0	80.0	2.5	20.0
Naphthalene	Ave	1.125	1.141		81.1	80.0	1.4	20.0
4-Chloroaniline	Ave	0.4549	0.4712		82.9	80.0	3.6	20.0
Hexachlorobutadiene	Ave	0.2767	0.2829		81.8	80.0	2.2	20.0
Caprolactam	Ave	0.1011	0.0926		73.3	80.0	-8.4	35.0
4-Chloro-3-methylphenol	Ave	0.3176	0.3328		83.8	80.0	4.8	20.0
2-Methylnaphthalene	Ave	0.7671	0.7929		82.7	80.0	3.4	20.0
1-Methylnaphthalene	Ave	0.7031	0.7304		83.1	80.0	3.9	35.0
Hexachlorocyclopentadiene	Ave	0.4959	0.5142		83.0	80.0	3.7	35.0
2,4,6-Trichlorophenol	Ave	0.4218	0.4359		82.7	80.0	3.3	20.0
2,4,5-Trichlorophenol	Ave	0.4281	0.4490		83.9	80.0	4.9	20.0
2-Chloronaphthalene	Ave	1.208	1.259		83.4	80.0	4.2	20.0
2-Nitroaniline	Ave	0.3516	0.3696		84.1	80.0	5.1	20.0
Dimethyl phthalate	Ave	1.359	1.415		83.3	80.0	4.2	20.0
2,6-Dinitrotoluene	Ave	0.3216	0.3285		81.7	80.0	2.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-116156/2 Calibration Date: 04/18/2012 14:20

Instrument ID: MSS_D Calib Start Date: 04/18/2012 10:12

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 12:26

Lab File ID: D0116.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.904	2.000		84.0	80.0	5.0	20.0
3-Nitroaniline	Ave	0.3117	0.3213		82.5	80.0	3.1	20.0
Acenaphthene	Ave	1.201	1.245		82.9	80.0	3.7	20.0
2,4-Dinitrophenol	Lin2	0.1819	0.1902	0.0500	80.0	80.0	0.0	20.0
4-Nitrophenol	Ave	0.2627	0.2781	0.0500	84.7	80.0	5.8	20.0
2,4-Dinitrotoluene	Ave	0.4054	0.4257		84.0	80.0	5.0	20.0
Dibenzofuran	Ave	1.715	1.747		81.5	80.0	1.9	20.0
Diethyl phthalate	Ave	1.354	1.414		83.6	80.0	4.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.7442	0.7712		82.9	80.0	3.6	20.0
Fluorene	Ave	1.452	1.524		84.0	80.0	5.0	20.0
4-Nitroaniline	Ave	0.3054	0.3079		80.7	80.0	0.8	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1454	0.1421		78.2	80.0	-2.3	20.0
N-Nitrosodiphenylamine	Ave	0.6758	0.7034		83.3	80.0	4.1	20.0
1,2-Diphenylhydrazine	Ave	1.631	1.728		85.7	80.9	5.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2546	0.2655		83.5	80.0	4.3	20.0
Hexachlorobenzene	Ave	0.2774	0.2857		82.4	80.0	3.0	20.0
Atrazine	Ave	0.2246	0.2422		86.3	80.0	7.9	35.0
Pentachlorophenol	Lin2	0.1700	0.1719		77.8	80.0	-2.8	20.0
Phenanthrene	Ave	1.146	1.198		83.6	80.0	4.5	20.0
Anthracene	Ave	1.142	1.226		85.9	80.0	7.4	20.0
Carbazole	Ave	1.047	1.110		84.9	80.0	6.1	20.0
Di-n-butyl phthalate	Ave	1.163	1.278		87.9	80.0	9.9	20.0
Fluoranthene	Ave	1.308	1.420		86.8	80.0	8.5	20.0
Benzidine	Ave	0.5390	0.5823		86.4	80.0	8.0	20.0
Pyrene	Ave	1.128	1.185		84.0	80.0	5.0	20.0
Famphur	Lin2	0.3709	0.4289		85.3	80.0	6.6	35.0
Butyl benzyl phthalate	Lin2	0.4524	0.4998		81.5	80.0	1.8	20.0
Bis(2-ethylhexyl) phthalate	Lin2	0.5299	0.6048		81.6	80.0	2.0	20.0
3,3'-Dichlorobenzidine	Ave	0.3875	0.4178		86.3	80.0	7.8	20.0
Benzo[a]anthracene	Ave	1.137	1.196		84.2	80.0	5.2	20.0
Chrysene	Ave	1.046	1.097		83.9	80.0	4.9	20.0
Di-n-octyl phthalate	Lin2	0.8241	0.9563		81.7	80.0	2.1	20.0
Benzo[b]fluoranthene	Qua	1.348	1.439		79.4	80.0	-0.8	20.0
Benzo[k]fluoranthene	Ave	1.409	1.470		83.5	80.0	4.3	20.0
Benzo[a]pyrene	Lin2	1.204	1.291		78.8	80.0	-1.5	20.0
Dibenz(a,h)anthracene	Lin1	1.234	1.307		72.6	80.0	-9.3	20.0
Indeno[1,2,3-cd]pyrene	Lin2	1.230	1.318		79.5	80.0	-0.6	20.0
Benzo[g,h,i]perylene	Ave	1.126	1.178		83.7	80.0	4.6	20.0
2-Fluorophenol (Surr)	Ave	1.312	1.331		122	120	1.4	20.0
Phenol-d5 (Surr)	Ave	1.694	1.720		122	120	1.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4770	0.4853		81.4	80.0	1.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-116156/2 Calibration Date: 04/18/2012 14:20

Instrument ID: MSS_D Calib Start Date: 04/18/2012 10:12

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 12:26

Lab File ID: D0116.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorobiphenyl	Ave	1.458	1.518		83.3	80.0	4.2	20.0
2,4,6-Tribromophenol (Surr)	Qua	0.2117	0.2256		119	120	-0.8	20.0
Terphenyl-d14 (Surr)	Ave	0.8090	0.8479		83.8	80.0	4.8	20.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0116.D
Lab Smp Id: CCV-1363233
Inj Date : 18-APR-2012 14:20
Operator : hoffmanm Inst ID: D.i
Smp Info : CCV-1363233,,HSL080
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 07:40 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.016	4.016	(1.000)	204167	40.0000	
* 58 Naphthalene-d8	136	5.192	5.192	(1.000)	742715	40.0000	
* 96 Acenaphthene-d10	164	6.869	6.869	(1.000)	458362	40.0000	
* 135 Phenanthrene-d10	188	8.199	8.199	(1.000)	820844	40.0000	
* 166 Chrysene-d12	240	10.534	10.534	(1.000)	1015828	40.0000	
* 179 Perylene-d12	264	11.837	11.837	(1.000)	854951	40.0000	
$ 22 2-Chlorophenol-d4	132	3.824	3.824	(0.952)	882893	120.000	123.229
$ 29 1,2-Dichlorobenzene-d4	152	4.161	4.161	(1.036)	438927	80.0000	81.3921
$ 8 2-Fluorophenol	112	2.953	2.953	(0.735)	815220	120.000	121.691
$ 15 Phenol-d5	99	3.653	3.653	(0.910)	1053285	120.000	121.818
$ 43 Nitrobenzene-d5	82	4.513	4.513	(0.869)	720939	80.0000	81.3950
$ 81 2-Fluorobiphenyl	172	6.212	6.212	(0.904)	1391798	80.0000	83.3286
$ 118 2,4,6-Tribromophenol	330	7.585	7.585	(1.104)	310248	120.000	119.015
$ 154 Terphenyl-d14	244	9.546	9.546	(0.906)	1722610	80.0000	83.8420
4 1,4-Dioxane	88	1.954	1.954	(0.487)	246112	80.0000	78.0081
5 N-Nitrosodimethylamine	74	2.120	2.120	(0.528)	363250	80.0000	79.4517
6 Pyridine	79	2.157	2.157	(0.537)	658489	80.0000	81.6026
14 Benzaldehyde	106	3.659	3.659	(0.911)	339744	80.0000	81.9362
16 Phenol	94	3.664	3.664	(0.912)	723017	80.0000	81.3969
18 Aniline	93	3.739	3.739	(0.931)	880661	80.0000	81.3251
19 Methyl Styrene	118	3.760	3.760	(0.936)	642961	80.0000	81.7952
20 Bis(2-chloroethyl) ether	93	3.760	3.760	(0.936)	614265	80.0000	80.7024

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
21	Decane	43	3.808	3.808	(0.948)	381780	80.0000	79.9627
23	2-Chlorophenol	128	3.835	3.835	(0.955)	586736	80.0000	81.6916
25	1,3-Dichlorobenzene	146	3.974	3.974	(0.989)	671643	80.0000	79.9861
27	1,4-Dichlorobenzene	146	4.033	4.033	(1.004)	693048	80.0000	81.4909
28	Benzyl alcohol	108	4.113	4.113	(1.024)	355068	80.0000	79.3605
30	1,2-Dichlorobenzene	146	4.171	4.171	(1.039)	652978	80.0000	80.5124
32	2-Methylphenol	108	4.187	4.187	(1.043)	534198	80.0000	81.8498
34	2,2'-oxybis(1-chloropropane)	45	4.214	4.214	(1.049)	440453	80.0000	80.5378
35	1H-Indene	116	4.246	4.246	(1.057)	879051	80.0000	79.9609
138	3-Methylphenol	108	4.326	4.326	(1.077)	543262	80.0000	81.8798
36	4-Methylphenol	108	4.326	4.326	(1.077)	543262	80.0000	81.8798
139	3 & 4-Methylphenol	108	4.326	4.326	(1.077)	543262	80.0000	81.8798
37	N-nitrosodi-n-propylamine	70	4.342	4.342	(1.081)	448536	80.0000	81.9134
38	Acetophenone	105	4.364	4.364	(1.086)	805584	80.0000	80.8558
41	Hexachloroethane	117	4.476	4.476	(1.114)	305378	80.0000	83.7334
44	Nitrobenzene	77	4.535	4.535	(0.873)	712465	80.0000	80.4506
47	Isophorone	82	4.732	4.732	(0.912)	1134480	80.0000	81.3433
50	2,4-Dimethylphenol	107	4.823	4.823	(0.929)	632417	80.0000	82.2518
49	2-Nitrophenol	139	4.823	4.823	(0.929)	308720	80.0000	81.3768
53	Benzoic acid	122	4.887	4.887	(0.941)	261334	80.0000	75.2712(H)
52	Bis(2-chloroethoxy)methane	93	4.914	4.914	(0.946)	675164	80.0000	81.7418
54	2,4-Dichlorophenol	162	5.037	5.037	(0.970)	485628	80.0000	81.6867
56	n-Dodecane	43	5.101	5.101	(0.983)	407566	80.0000	81.4125
57	1,2,4-Trichlorobenzene	180	5.128	5.128	(0.988)	606169	80.0000	82.0020
59	Naphthalene	128	5.213	5.213	(1.004)	1694305	80.0000	81.0875
60	4-Chloroaniline	127	5.256	5.256	(1.012)	699990	80.0000	82.8651
62	Hexachlorobutadiene	225	5.304	5.304	(1.022)	420171	80.0000	81.7912
67	Caprolactam	55	5.587	5.587	(1.076)	137500	80.0000	73.2715
68	4-Chloro-3-methylphenol	107	5.699	5.699	(1.098)	494392	80.0000	83.8314
71	2-Methylnaphthalene	142	5.876	5.876	(1.132)	1177863	80.0000	82.6980
72	1-Methylnaphthalene	142	5.977	5.977	(1.151)	1084910	80.0000	83.0992
74	Hexachlorocyclopentadiene	237	6.014	6.014	(0.876)	471402	80.0000	82.9540
78	2,4,6-Trichlorophenol	196	6.143	6.143	(0.894)	399567	80.0000	82.6756
79	2,3-Dichlorobenzeneamine	161	6.153	6.153	(0.896)	612970	80.0000	82.1129
80	2,4,5-Trichlorophenol	196	6.175	6.175	(0.899)	411597	80.0000	83.9100
83	Tetradecane	43	6.239	6.239	(0.908)	431157	80.0000	83.1930
86	2-Chloronaphthalene	162	6.351	6.351	(0.925)	1154202	80.0000	83.3948
88	2-Nitroaniline	65	6.447	6.447	(0.939)	338820	80.0000	84.0932
91	Dimethyl phthalate	163	6.581	6.581	(0.958)	1297522	80.0000	83.3308
93	2,6-Dinitrotoluene	165	6.661	6.661	(0.970)	301103	80.0000	81.7085
94	Acenaphthylene	152	6.741	6.741	(0.981)	1833311	80.0000	84.0304
95	3-Nitroaniline	138	6.826	6.826	(0.994)	294527	80.0000	82.4705
97	Acenaphthene	153	6.896	6.896	(1.004)	1141124	80.0000	82.9299
98	2,4-Dinitrophenol	184	6.917	6.917	(1.007)	174339	80.0000	80.0060
99	4-Nitrophenol	109	6.955	6.955	(1.012)	254905	80.0000	84.6656
101	2,4-Dinitrotoluene	165	7.029	7.029	(1.023)	390281	80.0000	84.0177
102	Dibenzofuran	168	7.051	7.051	(1.026)	1601702	80.0000	81.5082
105	Hexadecane	57	7.184	7.184	(1.046)	523642	80.0000	81.5333
107	Diethyl phthalate	149	7.211	7.211	(1.050)	1296674	80.0000	83.5593
109	4-Chlorophenyl phenyl ether	204	7.339	7.339	(1.068)	707004	80.0000	82.9079
110	Fluorene	166	7.361	7.361	(1.072)	1397403	80.0000	84.0045
112	4-Nitroaniline	138	7.387	7.387	(1.075)	282271	80.0000	80.6606
113	4,6-Dinitro-2-methylphenol	198	7.398	7.398	(0.902)	233245	80.0000	78.1533
115	N-nitrosodiphenylamine	169	7.451	7.451	(0.909)	1154680	80.0000	83.2574

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
116 Azobenzene	77	7.484	7.484	(1.089)	1601178	80.0000	84.7565
234 1,2-DPH(as Azobenzene)	77	7.484	7.484	(1.089)	1601178	80.8780	85.6867
242 2,4,6 - Tribromophenol	330	7.585	7.585	(1.104)	310248	120.000	119.015
124 4-Bromophenyl phenyl ether	248	7.777	7.777	(0.949)	435927	80.0000	83.4514
125 Hexachlorobenzene	284	7.852	7.852	(0.958)	468987	80.0000	82.3831
127 Atrazine	200	7.895	7.895	(0.963)	397671	80.0000	86.2950
128 n-Octadecane	85	7.986	7.986	(0.974)	310310	80.0000	82.7494
129 Pentachlorophenol	266	8.018	8.018	(0.978)	282229	80.0000	77.7830
136 Phenanthrene	178	8.221	8.221	(1.003)	1966755	80.0000	83.6164
137 Anthracene	178	8.263	8.263	(1.008)	2013276	80.0000	85.9295
140 Carbazole	167	8.402	8.402	(1.025)	1822897	80.0000	84.8505
141 Alachlor	188	8.466	8.466	(1.033)	275005	80.0000	85.5330
143 Di-n-butyl phthalate	149	8.627	8.627	(1.052)	2098737	80.0000	87.9338
144 n-Eicosane	43	8.702	8.702	(1.061)	452098	80.0000	82.6484
149 Fluoranthene	202	9.252	9.252	(1.128)	2331410	80.0000	86.8303
150 n-docosane	43	9.348	9.348	(1.140)	473058	80.0000	80.0034
151 Benzidine	184	9.353	9.353	(0.888)	1182952	80.0000	86.4287
152 Pyrene	202	9.460	9.460	(0.898)	2407704	80.0000	84.0331
158 Famphur	218	9.909	9.909	(0.941)	871441	80.0000	85.2550
159 Butyl benzyl phthalate	149	9.941	9.941	(0.944)	1015390	80.0000	81.4575
162 Bis(2-ethylhexyl) phthalate	149	10.406	10.406	(0.988)	1228688	80.0000	81.5765
164 3 3'-Dichlorobenzidine	252	10.475	10.475	(0.994)	848799	80.0000	86.2524
165 Benzo(a)anthracene	228	10.518	10.518	(0.998)	2429669	80.0000	84.1723
167 Chrysene	228	10.555	10.555	(1.002)	2228229	80.0000	83.9209(H)
168 Di-n-octyl phthalate	149	10.977	10.977	(1.042)	1942862	80.0000	81.7083
171 Benzo(b)fluoranthene	252	11.490	11.490	(0.971)	2460206	80.0000	79.3749
172 Benzo(k)fluoranthene	252	11.511	11.511	(0.972)	2512748	80.0000	83.4547(H)
178 Benzo(a)pyrene	252	11.784	11.784	(0.995)	2208185	80.0000	78.7790
185 Dibenz(a,h)anthracene	278	12.916	12.916	(1.091)	2234246	80.0000	72.5818
186 Indeno(1,2,3-cd)pyrene	276	12.922	12.922	(1.227)	2677961	80.0000	79.5069
188 Benzo(g,h,i)perylene	276	13.258	13.258	(1.120)	2014926	80.0000	83.7152

QC Flag Legend

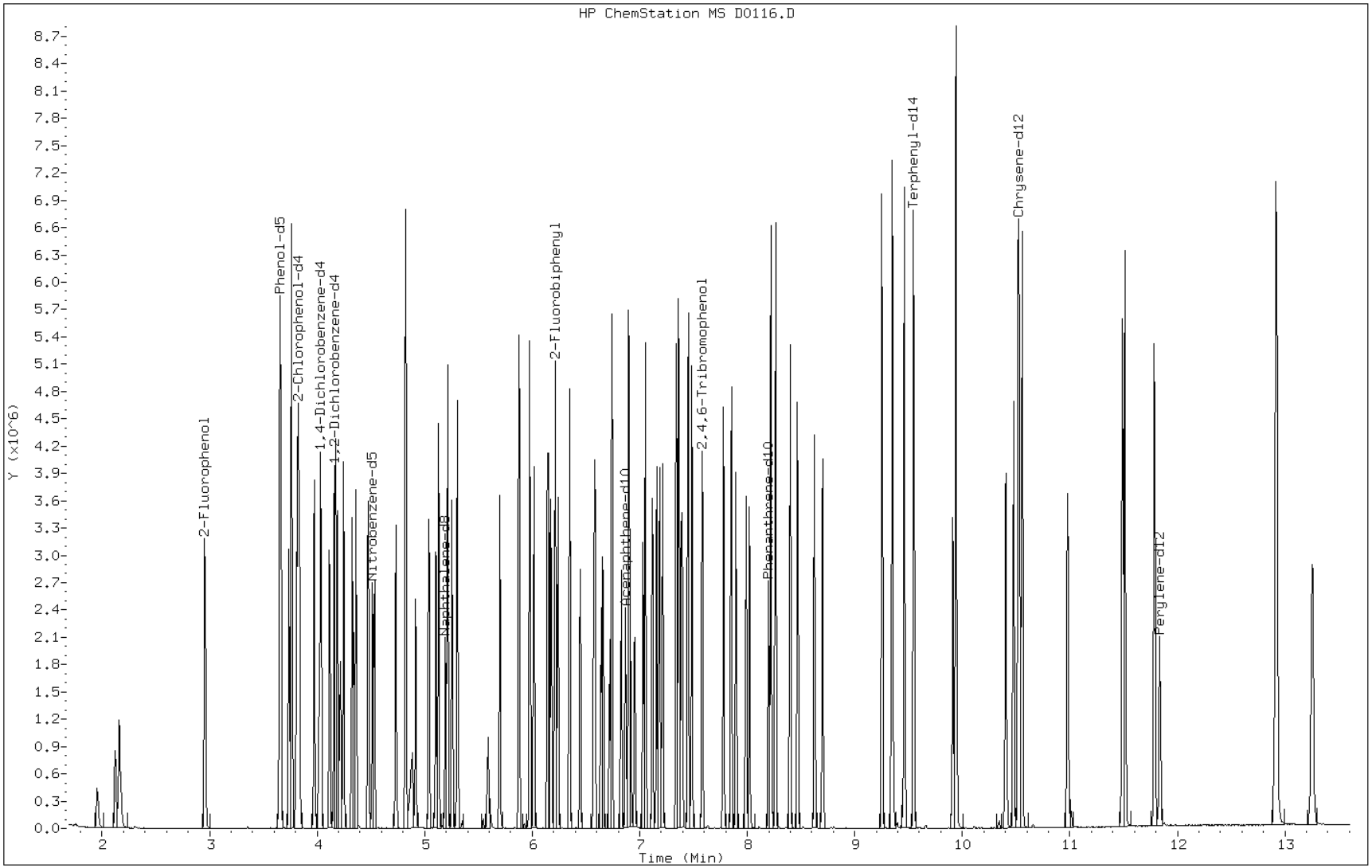
H - Operator selected an alternate compound hit.

Data File: D0116.D

Date: 18-APR-2012 14:20

Client ID: Instrument: D.i

Sample Info: CCV-1363233,,HSL080 Operator: hoffmanm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-116156/3 Calibration Date: 04/18/2012 14:39

Instrument ID: MSS_D Calib Start Date: 04/18/2012 07:24

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 04/18/2012 09:14

Lab File ID: D0117.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl methanesulfonate	Ave	1.106	1.092		79.0	80.0	-1.3	50.0
N-Nitrosopyrrolidine	Ave	0.6893	0.6851		79.5	80.0	-0.6	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.2189	0.2201		80.4	80.0	0.5	35.0
alpha,alpha-Dimethyl phenethylamine	Ave	0.5769	0.5890		81.7	80.0	2.1	50.0
2,6-Dichlorophenol	Ave	0.3096	0.3191		82.5	80.0	3.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4364	0.4345		79.6	80.0	-0.4	35.0
1,1'-Biphenyl	Ave	1.536	1.522		79.3	80.0	-0.9	35.0
2,3,4,6-Tetrachlorophenol	Qua	0.3638	0.3682		79.7	80.0	-0.4	35.0
Thionazin	Ave	0.3227	0.3277		81.2	80.0	1.5	35.0
Diphenylamine	Ave	1.224	1.204		78.7	80.0	-1.6	50.0
Sulfotepp	Ave	0.1538	0.1534		79.8	80.0	-0.3	35.0
Phorate	Ave	0.1383	0.1404		81.2	80.0	1.5	35.0
Dimethoate	Ave	0.1777	0.1907		85.9	80.0	7.3	35.0
Pentachloronitrobenzene	Qua	0.1611	0.1629		79.5	80.0	-0.7	50.0
Disulfoton	Ave	0.3510	0.3512		80.0	80.0	0.0	35.0
Methyl parathion	Ave	0.1931	0.1977		81.9	80.0	2.4	35.0
Ethyl Parathion	Ave	0.1541	0.1507		78.2	80.0	-2.2	35.0
4-Nitroquinoline-1-oxide	Lin2	0.1107	0.1172		80.7	80.0	0.9	50.0
Isodrin	Ave	0.1479	0.1489		80.6	80.0	0.7	50.0
p-Dimethylamino azobenzene	Ave	0.3113	0.3108		79.9	80.0	-0.2	50.0
7,12-Dimethylbenz(a)anthracene	Lin2	0.7007	0.6767		74.6	80.0	-6.8	50.0
3-Methylcholanthrene	Lin2	0.6896	0.6780		75.9	80.0	-5.1	50.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0117.D
Lab Smp Id: CCV-1314706
Inj Date : 18-APR-2012 14:39
Operator : hoffmanm Inst ID: D.i
Smp Info : CCV-1314706,,AP9080
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 07:40 D.i Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-AP9.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.016	4.016	(1.000)	206265	40.0000	
* 58 Naphthalene-d8	136	5.192	5.192	(1.000)	748379	40.0000	
* 96 Acenaphthene-d10	164	6.864	6.864	(1.000)	472262	40.0000	
* 135 Phenanthrene-d10	188	8.199	8.199	(1.000)	848313	40.0000	
* 166 Chrysene-d12	240	10.539	10.539	(1.000)	940540	40.0000	
* 179 Perylene-d12	264	11.848	11.848	(1.000)	815473	40.0000	
9 2-Picoline	93	2.595	2.595	(0.646)	582513	80.0000	79.7104
10 N-Nitrosomethylethylamine	88	2.654	2.654	(0.661)	261119	80.0000	80.2579
11 Methyl methanesulfonate	80	2.852	2.852	(0.710)	175571	80.0000	77.1811
12 N-Nitrosodiethylamine	102	3.140	3.140	(0.782)	266302	80.0000	81.3206
13 Ethyl methanesulfonate	79	3.349	3.349	(0.834)	450423	80.0000	78.9665
24 Pentachloroethane	117	3.787	3.787	(0.943)	233398	80.0000	80.4579
39 N-Nitrosopyrrolidine	100	4.353	4.353	(1.084)	282627	80.0000	79.5175
40 N-Nitrosomorpholine	116	4.385	4.385	(1.092)	115376	80.0000	79.7108
42 o-Toluidine	106	4.396	4.396	(1.094)	886902	80.0000	79.4412
46 N-Nitrosopiperidine	114	4.673	4.673	(0.900)	257567	80.0000	80.1249
51 O,O,O-Triethyl phosphorothio	198	4.871	4.871	(0.938)	329394	80.0000	80.4264
55 a,a-Dimethylphenethylamine	58	5.026	5.026	(0.968)	881511	80.0000	81.6707(M)
61 2,6-Dichlorophenol	162	5.261	5.261	(1.013)	477674	80.0000	82.4741
63 Hexachloropropene	213	5.288	5.288	(1.019)	537807	80.0000	81.3616
64 N-Nitrosodi-n-butylamine	84	5.544	5.544	(1.068)	397423	80.0000	82.8960
66 p-Phenylenediamine	108	5.598	5.598	(1.078)	679948	80.0000	84.4619

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
70	Safrole	162	5.774	5.774	(1.112)	464705	80.0000	81.5143
75	1,2,4,5-Tetrachlorobenzene	216	6.036	6.036	(1.163)	650368	80.0000	79.6471
76	Isosafrole (#1)	162	6.057	6.057	(0.882)	78928	14.0000	14.4454
84	Isosafrole (#2)	104	6.271	6.271	(0.914)	275244	66.0000	66.2997
85	Biphenyl	154	6.313	6.313	(0.920)	1437628	80.0000	79.2977
87	1-Chloronaphthalene	162	6.372	6.372	(0.928)	1121816	80.0000	79.3538
89	1,4-Naphthoquinone	158	6.516	6.516	(0.949)	246271	80.0000	88.0224
90	1,4-Dinitrobenzene	168	6.570	6.570	(0.957)	180422	80.0000	76.7276
92	1,3-Dinitrobenzene	168	6.639	6.639	(0.967)	211480	80.0000	85.3015
100	Pentachlorobenzene	250	7.013	7.013	(1.022)	578151	80.0000	77.9306
103	1-Naphthylamine	143	7.131	7.131	(1.039)	1163559	80.0000	79.8057
104	2,3,4,6-Tetrachlorophenol	232	7.157	7.157	(1.043)	347746	80.0000	79.6677
106	2-Naphthylamine	143	7.200	7.200	(1.049)	1153235	80.0000	80.5015
108	Thionazin	97	7.286	7.286	(1.061)	309473	80.0000	81.2159
111	5-Nitro-o-toluidine	152	7.371	7.371	(1.074)	356508	80.0000	78.2377
114	Diphenylamine	169	7.446	7.446	(1.085)	1137582	80.0000	78.6915
117	Sulfotepp	97	7.537	7.537	(0.919)	260239	80.0000	79.7797
119	Diallate (#1)	86	7.676	7.676	(0.936)	419866	57.8000	58.4466
120	1,3,5-Trinitrobenzene	213	7.676	7.676	(0.936)	150991	80.0000	80.2436
121	Phorate	121	7.692	7.692	(0.938)	238135	80.0000	81.2139
122	Phenacetin	108	7.708	7.708	(0.940)	625151	80.0000	76.7728
123	Diallate (#2)	86	7.761	7.761	(0.947)	81481	22.6000	23.3462
126	Dimethoate	87	7.857	7.857	(0.958)	323514	80.0000	85.8669
130	4-Aminobiphenyl	169	8.018	8.018	(0.978)	1556105	80.0000	73.4166
131	Pentachloronitrobenzene	237	8.028	8.028	(0.979)	276426	80.0000	79.4554
132	Pronamide	173	8.028	8.028	(0.979)	697428	80.0000	77.4182
133	Disulfoton	88	8.146	8.146	(0.993)	595797	80.0000	80.0417
134	2-secbutyl-4,6-dinitropheno	211	8.151	8.151	(0.994)	352107	80.0000	78.5441
142	Methyl parathion	109	8.482	8.482	(1.035)	335426	80.0000	81.9083
145	Parathion	109	8.803	8.803	(1.074)	255628	80.0000	78.2316
146	4-Nitroquinoline-1-oxide	190	8.899	8.899	(1.085)	198772	80.0000	80.7173
147	Methapyrilene	97	8.904	8.904	(1.086)	454896	80.0000	78.2962
148	Isodrin	193	9.113	9.113	(1.111)	252695	80.0000	80.5640
153	Aramite (#1)	185	9.481	9.481	(0.900)	70403	36.0000	38.0788
155	Aramite (#2)	185	9.545	9.545	(0.906)	148832	43.2000	44.8915
156	p-Dimethylaminoazobenzene	120	9.668	9.668	(0.917)	584548	80.0000	79.8626
157	Chlorobenzilate	251	9.690	9.690	(0.919)	615468	80.0000	73.1334
160	3,3'-Dimethylbenzidine	212	9.978	9.978	(0.947)	1261557	80.0000	80.4206
161	2-Acetylaminofluorene	181	10.213	10.213	(0.969)	749522	80.0000	77.0996
M 173	Total Isosafrole	162				354172	80.0000	80.7452
M 174	Total Diallate	86				501347	80.0000	81.7929
M 175	Total Aramite	185				219235	80.0000	82.9703
176	7,12-Dimethylbenz(a)anthrac	256	11.479	11.479	(0.969)	1103734	80.0000	74.5941
181	3-Methylcholanthrene	268	12.094	12.094	(1.021)	1105826	80.0000	75.8907
184	Dibenz(a,j)acridine	279	12.703	12.703	(1.072)	1515792	80.0000	76.9300

QC Flag Legend

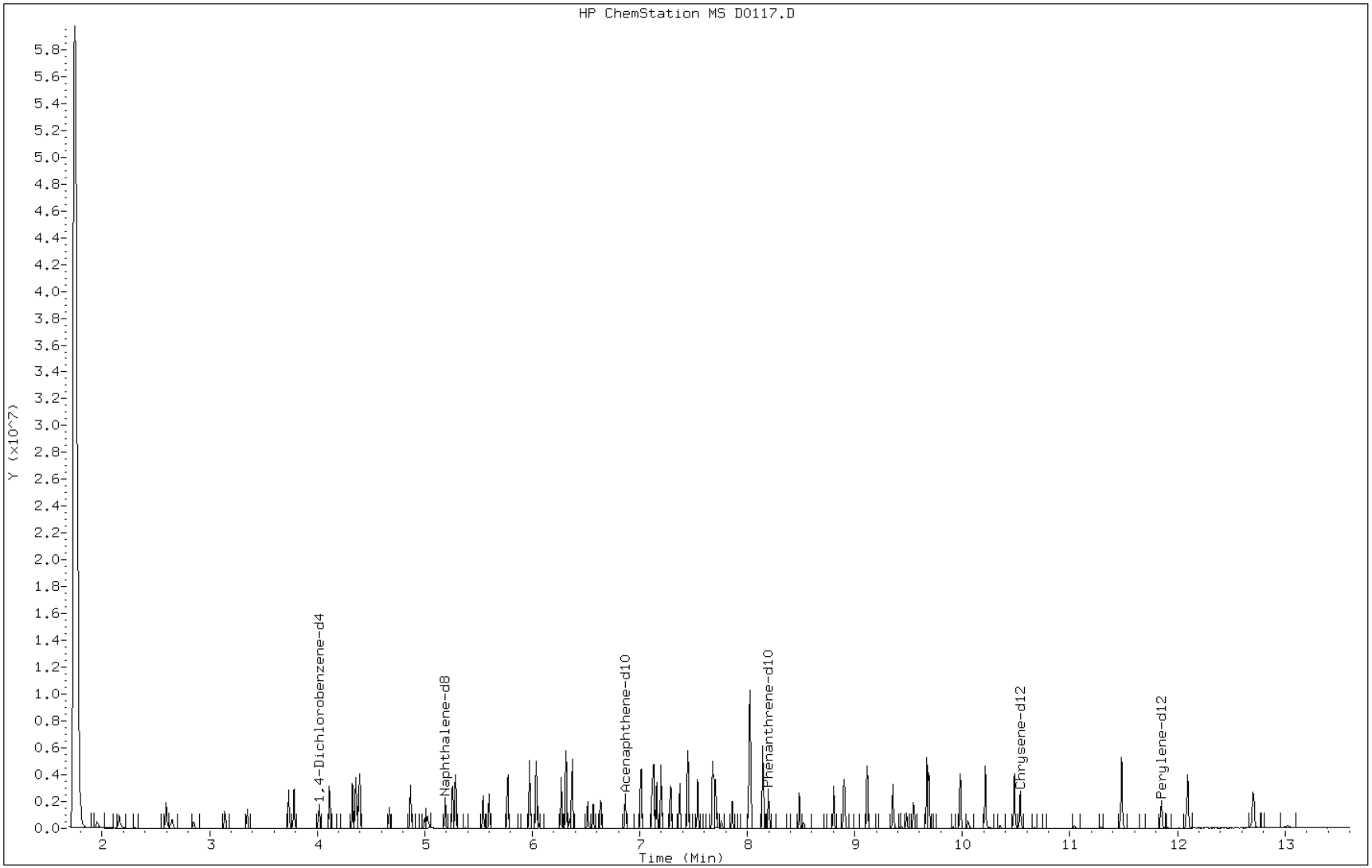
M - Compound response manually integrated.

Data File: D0117.D

Date: 18-APR-2012 14:39

Client ID: Instrument: D.i

Sample Info: CCV-1314706,,AP9080 Operator: hoffmanm



Manual Integration Report

Data File: D0117.D
Inj. Date and Time: 18-APR-2012 14:39
Instrument ID: D.i
Client ID:
Compound: 55 a,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 04/19/2012

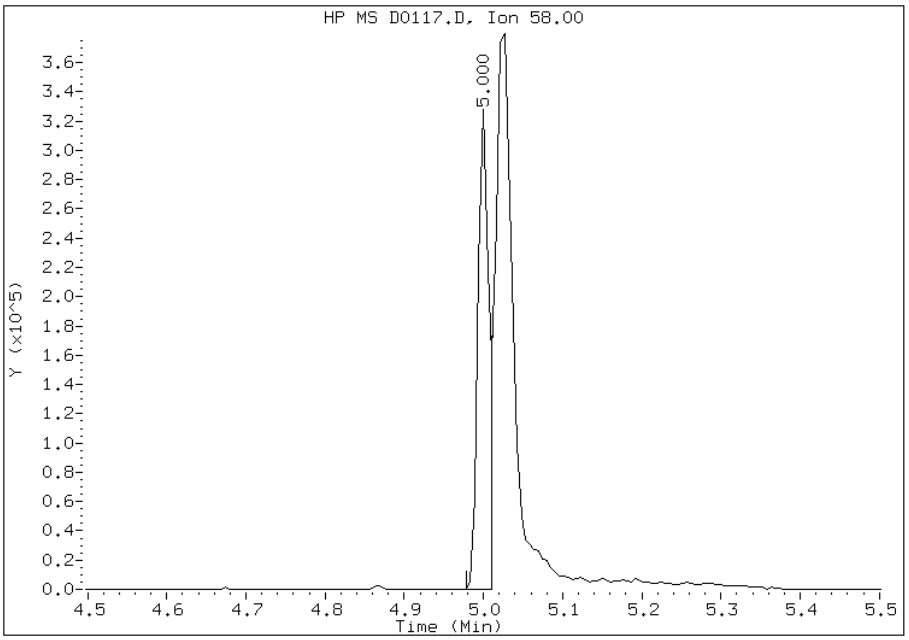
Processing Integration Results

RT: 5.00

Response: 319647

Amount: 30

Conc: 30



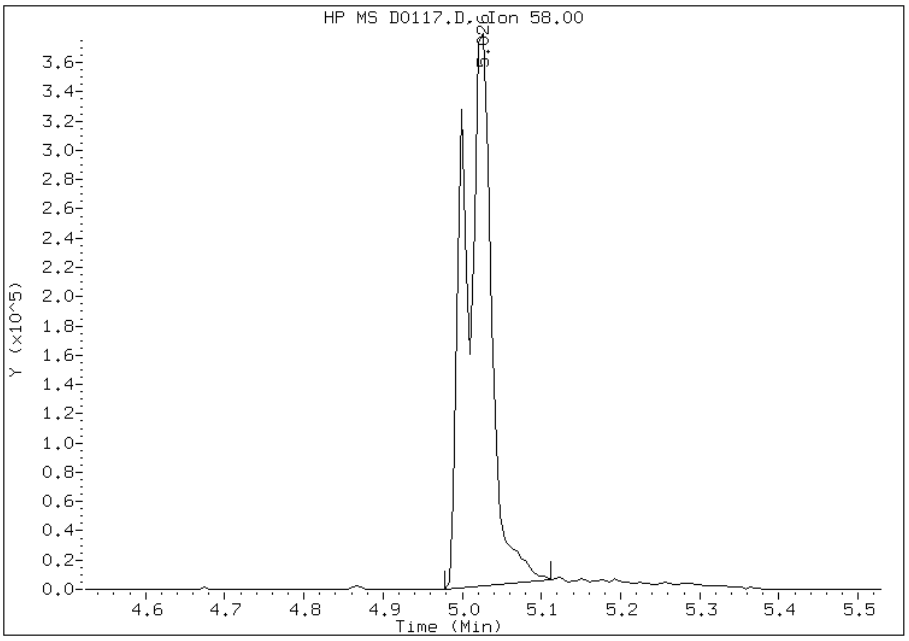
Manual Integration Results

RT: 5.03

Response: 881511

Amount: 82

Conc: 82



Manually Integrated By: hoffmanm
Modification Date: 19-Apr-2012 07:38
Manual Integration Reason: Split Peak

TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0093.D
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Inj Date : 18-APR-2012 07:12
Operator : hoffmanm Inst ID: D.i
Smp Info : DFTPP_00031,,1349453
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\aDFTPPC.M
Meth Date : 18-Apr-2011 08:05 hoffmanm Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC246

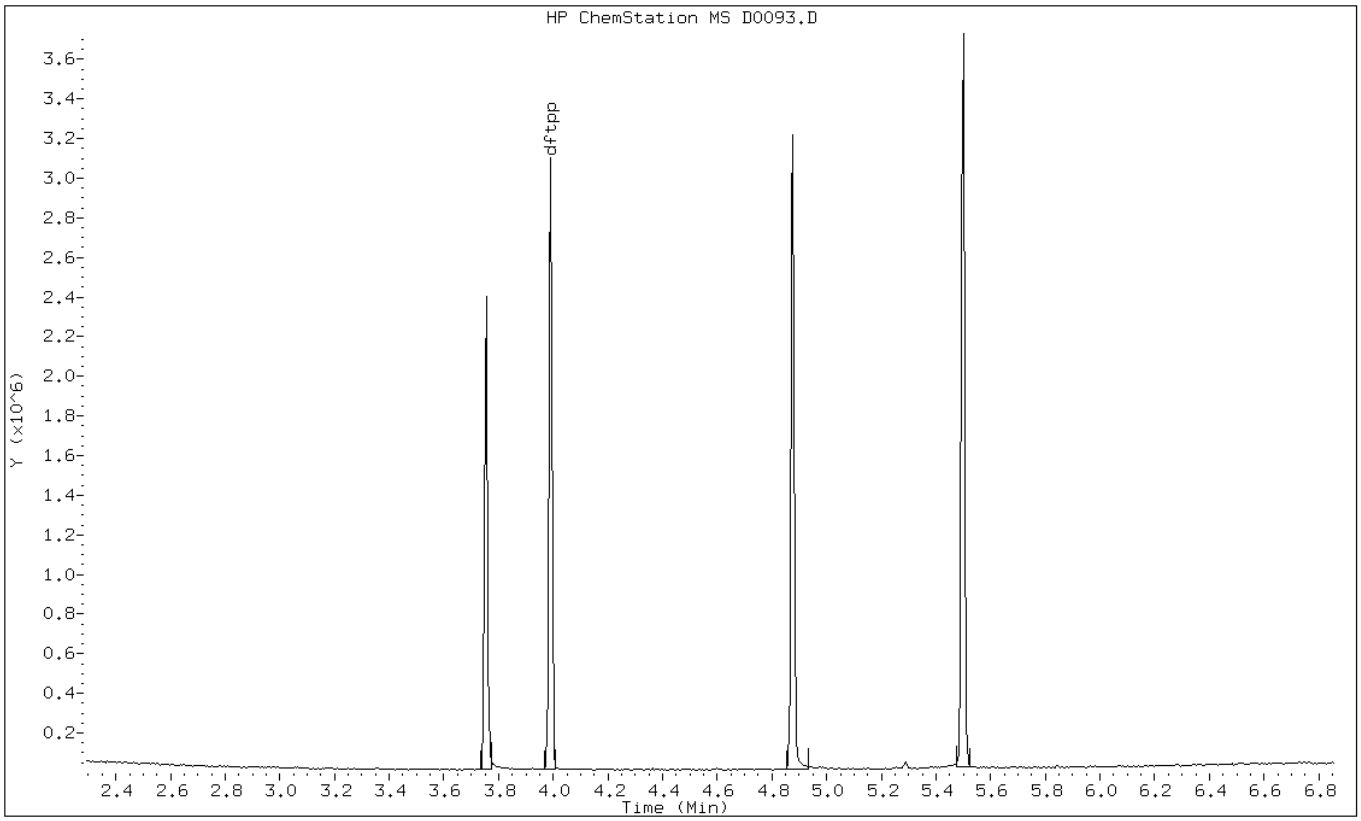
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
3.991	4.190	-0.199	198	212288			0.00- 100.00	100.00
3.991	4.190	-0.199	51	77904			30.00- 60.00	36.70
3.991	4.190	-0.199	68	102			0.00- 2.00	0.11
3.991	4.190	-0.199	69	92360			0.00- 0.00	43.51
3.991	4.190	-0.199	70	40			0.00- 2.00	0.04
3.991	4.190	-0.199	127	115376			40.00- 60.00	54.35
3.991	4.190	-0.199	197	0	0.0	0.0	0.00- 1.00	0.00
3.991	4.190	-0.199	199	14625			5.00- 9.00	6.89
3.991	4.190	-0.199	275	57496			10.00- 30.00	27.08
3.991	4.190	-0.199	365	11466			1.00- 0.00	5.40
3.991	4.190	-0.199	441	19184			0.01- 99.99	73.18
3.991	4.190	-0.199	442	133696			40.00- 100.00	62.98
3.991	4.190	-0.199	443	26216			17.00- 23.00	19.61

Data File: D0093.D

Date: 18-APR-2012 07:12

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm



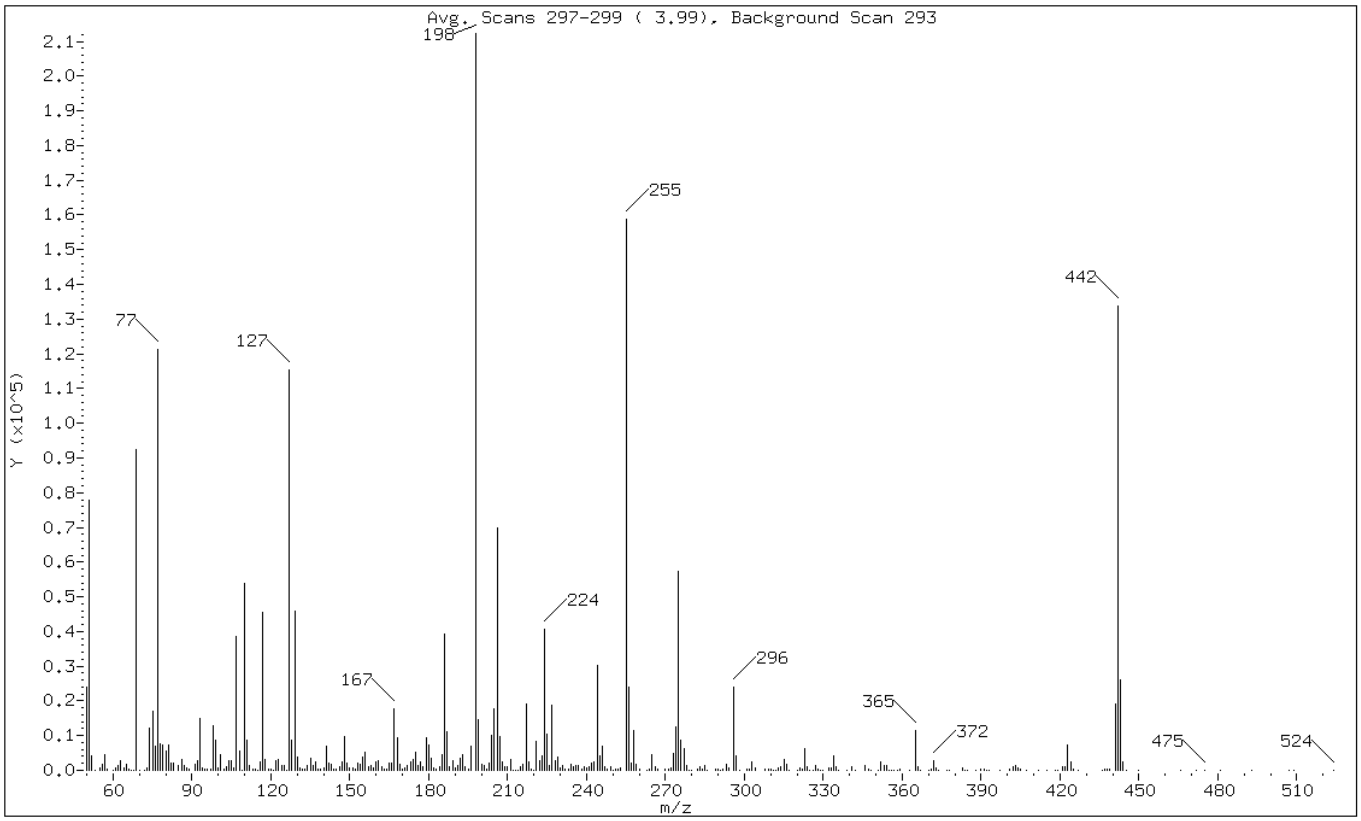
Data File: D0093.D

Date: 18-APR-2012 07:12

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	36.70
68	Less than 2.00% of mass 69	0.05 (0.11)
69	Mass 69 relative abundance	43.51
70	Less than 2.00% of mass 69	0.02 (0.04)
127	40.00 - 60.00% of mass 198	54.35
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.89
275	10.00 - 30.00% of mass 198	27.08
365	Greater than 1.00% of mass 198	5.40
441	Present, but less than mass 443	9.04
442	40.00 - 100.00% of mass 198	62.98
443	17.00 - 23.00% of mass 442	12.35 (19.61)

Data File: D0093.D

Date: 18-APR-2012 07:12

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

Data File: \\DenSvr03\Public\chem\MSS\D.i\041812-A.b\D0093.D
Spectrum: Avg. Scans 297-299 (3.99), Background Scan 293
Location of Maximum: 198.00
Number of points: 333

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	23928	139.00	211	224.00	40608	324.00	1080
51.00	77904	140.00	735	225.00	10447	325.00	113
52.00	4277	141.00	7015	226.00	1423	326.00	63
53.00	139	142.00	1981	227.00	18928	327.00	1384
55.00	571	143.00	1745	228.00	2765	328.00	281
56.00	1832	144.00	445	229.00	3667	329.00	80
57.00	4365	145.00	511	230.00	836	330.00	118
58.00	221	146.00	1028	231.00	1457	332.00	538
60.00	135	147.00	2551	232.00	380	333.00	697
61.00	770	148.00	9869	233.00	427	334.00	4044
62.00	1502	149.00	1912	234.00	1655	335.00	981
63.00	2946	150.00	554	235.00	1146	336.00	77
64.00	544	151.00	623	236.00	1233	339.00	126
65.00	1696	152.00	505	237.00	1472	341.00	1003
66.00	209	153.00	1995	238.00	254	342.00	100
67.00	86	154.00	1818	239.00	1028	346.00	1470
68.00	102	155.00	3853	240.00	813	347.00	439
69.00	92360	156.00	5139	241.00	1122	348.00	57
70.00	40	157.00	1046	242.00	1927	351.00	58
72.00	99	158.00	1245	243.00	2313	352.00	2444
73.00	607	159.00	669	244.00	30192	353.00	1222
74.00	12298	160.00	2368	245.00	4052	354.00	1341
75.00	17032	161.00	2850	246.00	6906	355.00	137
76.00	6925	162.00	889	247.00	1197	356.00	64
77.00	121288	163.00	229	248.00	307	357.00	59
78.00	7787	164.00	423	249.00	1161	358.00	56
79.00	7238	165.00	1999	250.00	123	359.00	293
80.00	5593	166.00	2071	251.00	183	363.00	108
81.00	7275	167.00	17696	252.00	314	365.00	11466
82.00	2068	168.00	9548	253.00	689	366.00	1125
83.00	2119	169.00	1796	255.00	158784	367.00	55
85.00	1317	170.00	295	256.00	23920	370.00	149
86.00	3120	171.00	601	257.00	1929	371.00	493
87.00	1423	172.00	1330	258.00	11607	372.00	2635
88.00	568	173.00	2505	259.00	1894	373.00	774
89.00	212	174.00	2990	260.00	455	374.00	165
91.00	1726	175.00	5352	263.00	121	377.00	88
92.00	2680	176.00	1375	264.00	275	378.00	53
93.00	15045	177.00	2335	265.00	4454	383.00	725
94.00	850	178.00	966	266.00	995	384.00	144

95.00	337	179.00	9520	267.00	401	385.00	66
96.00	365	180.00	7268	270.00	351	388.00	54
97.00	197	181.00	3485	271.00	398	390.00	359
98.00	12925	182.00	566	272.00	733	391.00	289
99.00	8621	183.00	185	273.00	4750	392.00	63
100.00	841	184.00	1072	274.00	12462	393.00	66
101.00	4392	185.00	4394	275.00	57496	397.00	60
102.00	185	186.00	39400	276.00	8604	401.00	273
103.00	1129	187.00	11205	277.00	6327	402.00	1161
104.00	2787	188.00	1190	278.00	1321	403.00	1533
105.00	2847	189.00	2685	279.00	100	404.00	706
106.00	574	190.00	594	280.00	125	405.00	231
107.00	38568	191.00	1279	282.00	267	407.00	72
108.00	5401	192.00	3422	283.00	990	412.00	80
109.00	173	193.00	4617	284.00	232	415.00	69
110.00	53824	194.00	1136	285.00	1407	418.00	120
111.00	8680	195.00	208	286.00	169	419.00	50
112.00	1286	196.00	6787	289.00	367	421.00	1011
113.00	416	198.00	212288	290.00	189	422.00	1063
114.00	260	199.00	14625	291.00	113	423.00	7373
115.00	86	200.00	1771	292.00	352	424.00	2326
116.00	2283	201.00	1274	293.00	1712	425.00	319
117.00	45512	202.00	305	294.00	666	427.00	165
118.00	3123	203.00	1936	296.00	24056	436.00	80
119.00	256	204.00	10128	297.00	4101	437.00	263
120.00	244	205.00	17728	298.00	56	438.00	376
121.00	26	206.00	69760	301.00	294	439.00	397
122.00	2740	207.00	9714	302.00	494	441.00	19184
123.00	2954	208.00	2455	303.00	2447	442.00	133696
124.00	1447	209.00	980	304.00	771	443.00	26216
125.00	1392	210.00	1036	308.00	363	444.00	2418
126.00	131	211.00	3286	309.00	291	445.00	73
127.00	115376	212.00	129	310.00	397	450.00	52
128.00	8726	213.00	94	311.00	69	466.00	58
129.00	46008	214.00	63	312.00	119	472.00	82
130.00	3782	215.00	1023	313.00	583	475.00	146
131.00	659	216.00	1870	314.00	1103	481.00	50
132.00	381	217.00	19144	315.00	3223	493.00	62
133.00	354	218.00	2464	316.00	1600	507.00	53
134.00	1386	219.00	346	317.00	156	509.00	54
135.00	3314	220.00	145	320.00	112	524.00	74
136.00	1415	221.00	8455	321.00	701		
137.00	2497	222.00	2777	322.00	474		
138.00	428	223.00	4008	323.00	6240		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0093.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 18-APR-2012 07:12
Operator : hoffmanm Inst ID: D.i
Smp Info : DFTPP_00031,,1349453
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\aDFTPPC.M
Meth Date : 18-Apr-2011 08:05 hoffmanm Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC246

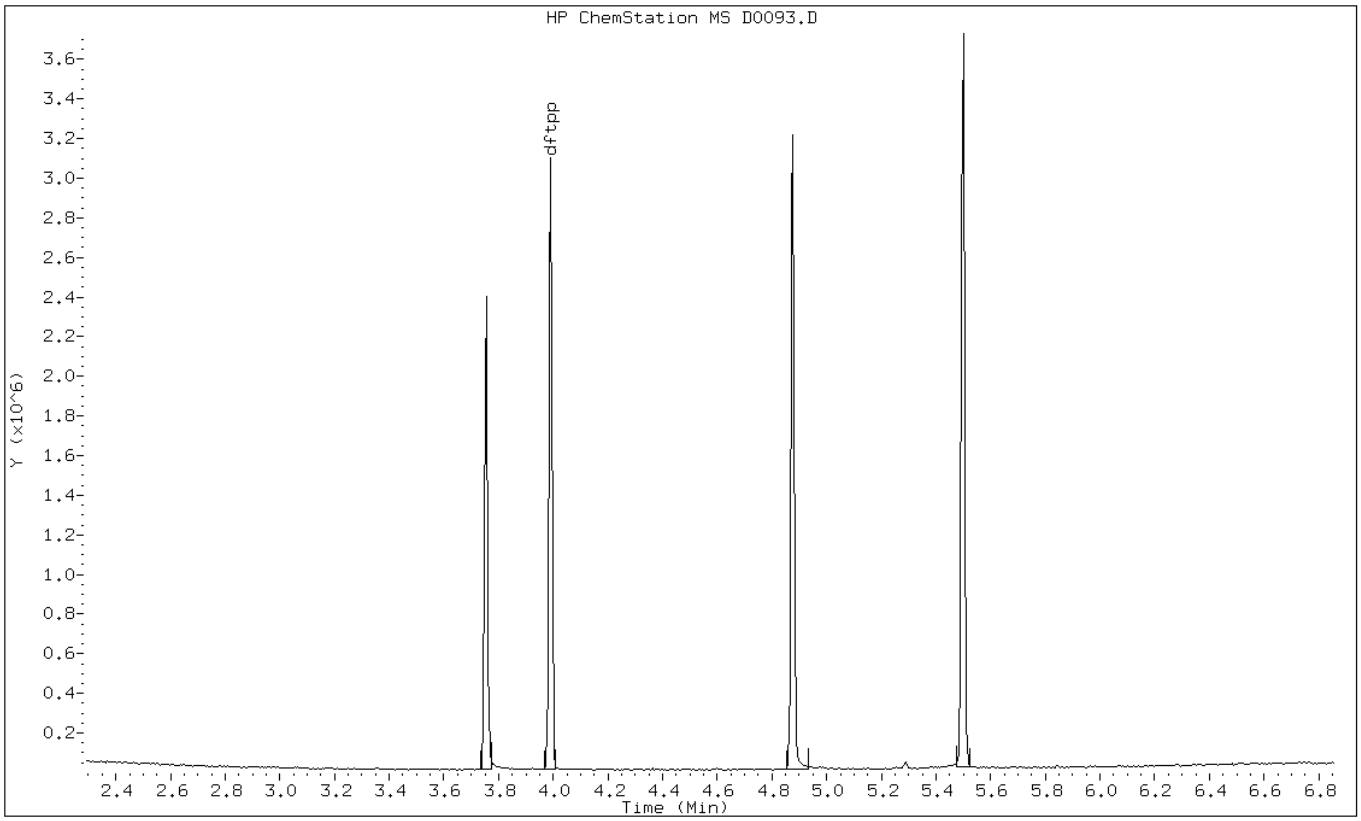
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
3.991	4.190	-0.199	198	212288			0.00- 100.00	100.00
3.991	4.190	-0.199	51	77904			30.00- 60.00	36.70
3.991	4.190	-0.199	68	102			0.00- 2.00	0.11
3.991	4.190	-0.199	69	92360			0.00- 0.00	43.51
3.991	4.190	-0.199	70	40			0.00- 2.00	0.04
3.991	4.190	-0.199	127	115376			40.00- 60.00	54.35
3.991	4.190	-0.199	197	0	0.0	0.0	0.00- 1.00	0.00
3.991	4.190	-0.199	199	14625			5.00- 9.00	6.89
3.991	4.190	-0.199	275	57496			10.00- 30.00	27.08
3.991	4.190	-0.199	365	11466			1.00- 0.00	5.40
3.991	4.190	-0.199	441	19184			0.01- 99.99	73.18
3.991	4.190	-0.199	442	133696			40.00- 100.00	62.98
3.991	4.190	-0.199	443	26216			17.00- 23.00	19.61

Data File: D0093.D

Date: 18-APR-2012 07:12

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm



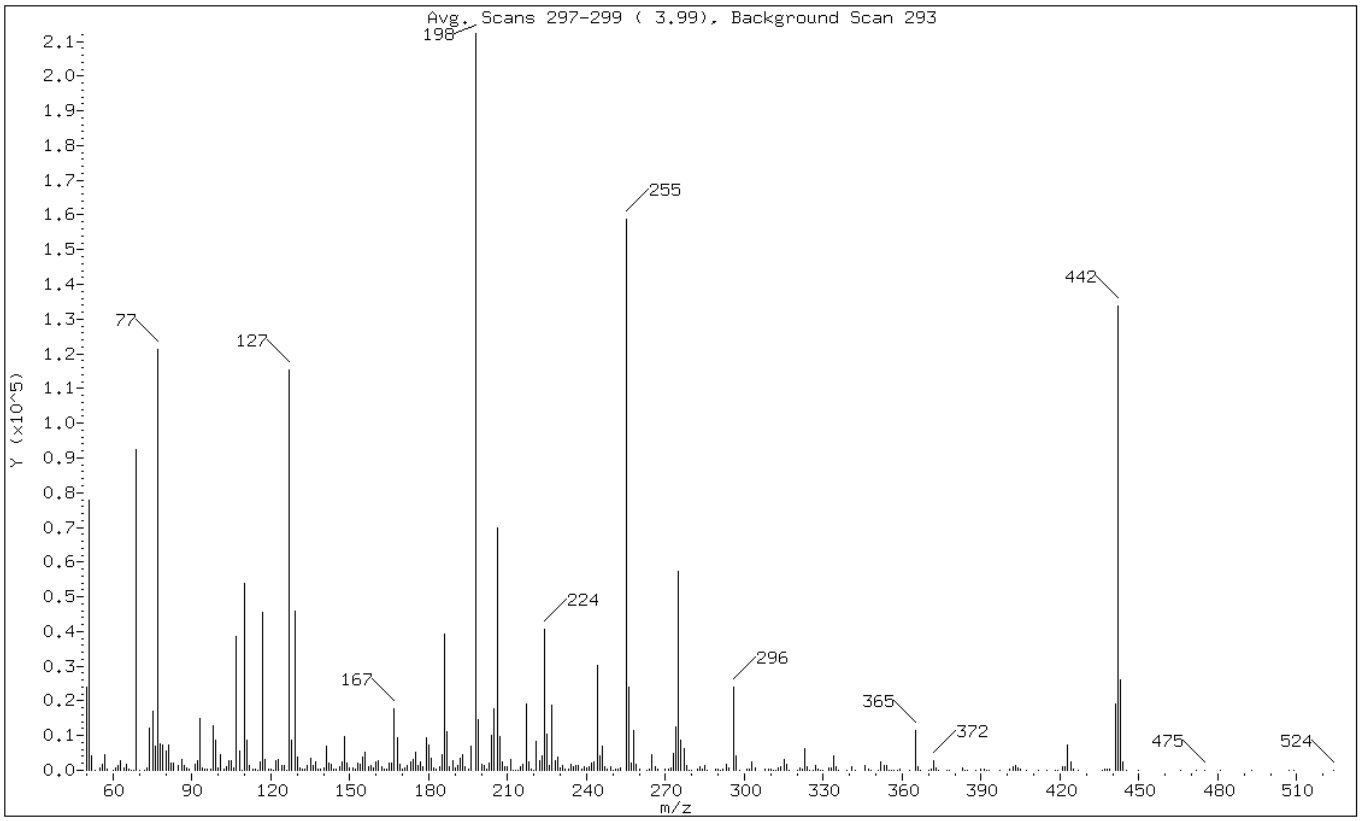
Data File: D0093.D

Date: 18-APR-2012 07:12

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	36.70
68	Less than 2.00% of mass 69	0.05 (0.11)
69	Mass 69 relative abundance	43.51
70	Less than 2.00% of mass 69	0.02 (0.04)
127	40.00 - 60.00% of mass 198	54.35
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.89
275	10.00 - 30.00% of mass 198	27.08
365	Greater than 1.00% of mass 198	5.40
441	Present, but less than mass 443	9.04
442	40.00 - 100.00% of mass 198	62.98
443	17.00 - 23.00% of mass 442	12.35 (19.61)

Data File: D0093.D

Date: 18-APR-2012 07:12

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

Data File: \\DenSvr03\Public\chem\MSS\D.i\041812-H.b\D0093.D
Spectrum: Avg. Scans 297-299 (3.99), Background Scan 293
Location of Maximum: 198.00
Number of points: 333

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	23928	139.00	211	224.00	40608	324.00	1080
51.00	77904	140.00	735	225.00	10447	325.00	113
52.00	4277	141.00	7015	226.00	1423	326.00	63
53.00	139	142.00	1981	227.00	18928	327.00	1384
55.00	571	143.00	1745	228.00	2765	328.00	281
56.00	1832	144.00	445	229.00	3667	329.00	80
57.00	4365	145.00	511	230.00	836	330.00	118
58.00	221	146.00	1028	231.00	1457	332.00	538
60.00	135	147.00	2551	232.00	380	333.00	697
61.00	770	148.00	9869	233.00	427	334.00	4044
62.00	1502	149.00	1912	234.00	1655	335.00	981
63.00	2946	150.00	554	235.00	1146	336.00	77
64.00	544	151.00	623	236.00	1233	339.00	126
65.00	1696	152.00	505	237.00	1472	341.00	1003
66.00	209	153.00	1995	238.00	254	342.00	100
67.00	86	154.00	1818	239.00	1028	346.00	1470
68.00	102	155.00	3853	240.00	813	347.00	439
69.00	92360	156.00	5139	241.00	1122	348.00	57
70.00	40	157.00	1046	242.00	1927	351.00	58
72.00	99	158.00	1245	243.00	2313	352.00	2444
73.00	607	159.00	669	244.00	30192	353.00	1222
74.00	12298	160.00	2368	245.00	4052	354.00	1341
75.00	17032	161.00	2850	246.00	6906	355.00	137
76.00	6925	162.00	889	247.00	1197	356.00	64
77.00	121288	163.00	229	248.00	307	357.00	59
78.00	7787	164.00	423	249.00	1161	358.00	56
79.00	7238	165.00	1999	250.00	123	359.00	293
80.00	5593	166.00	2071	251.00	183	363.00	108
81.00	7275	167.00	17696	252.00	314	365.00	11466
82.00	2068	168.00	9548	253.00	689	366.00	1125
83.00	2119	169.00	1796	255.00	158784	367.00	55
85.00	1317	170.00	295	256.00	23920	370.00	149
86.00	3120	171.00	601	257.00	1929	371.00	493
87.00	1423	172.00	1330	258.00	11607	372.00	2635
88.00	568	173.00	2505	259.00	1894	373.00	774
89.00	212	174.00	2990	260.00	455	374.00	165
91.00	1726	175.00	5352	263.00	121	377.00	88
92.00	2680	176.00	1375	264.00	275	378.00	53
93.00	15045	177.00	2335	265.00	4454	383.00	725
94.00	850	178.00	966	266.00	995	384.00	144

95.00	337	179.00	9520	267.00	401	385.00	66
96.00	365	180.00	7268	270.00	351	388.00	54
97.00	197	181.00	3485	271.00	398	390.00	359
98.00	12925	182.00	566	272.00	733	391.00	289
99.00	8621	183.00	185	273.00	4750	392.00	63
100.00	841	184.00	1072	274.00	12462	393.00	66
101.00	4392	185.00	4394	275.00	57496	397.00	60
102.00	185	186.00	39400	276.00	8604	401.00	273
103.00	1129	187.00	11205	277.00	6327	402.00	1161
104.00	2787	188.00	1190	278.00	1321	403.00	1533
105.00	2847	189.00	2685	279.00	100	404.00	706
106.00	574	190.00	594	280.00	125	405.00	231
107.00	38568	191.00	1279	282.00	267	407.00	72
108.00	5401	192.00	3422	283.00	990	412.00	80
109.00	173	193.00	4617	284.00	232	415.00	69
110.00	53824	194.00	1136	285.00	1407	418.00	120
111.00	8680	195.00	208	286.00	169	419.00	50
112.00	1286	196.00	6787	289.00	367	421.00	1011
113.00	416	198.00	212288	290.00	189	422.00	1063
114.00	260	199.00	14625	291.00	113	423.00	7373
115.00	86	200.00	1771	292.00	352	424.00	2326
116.00	2283	201.00	1274	293.00	1712	425.00	319
117.00	45512	202.00	305	294.00	666	427.00	165
118.00	3123	203.00	1936	296.00	24056	436.00	80
119.00	256	204.00	10128	297.00	4101	437.00	263
120.00	244	205.00	17728	298.00	56	438.00	376
121.00	26	206.00	69760	301.00	294	439.00	397
122.00	2740	207.00	9714	302.00	494	441.00	19184
123.00	2954	208.00	2455	303.00	2447	442.00	133696
124.00	1447	209.00	980	304.00	771	443.00	26216
125.00	1392	210.00	1036	308.00	363	444.00	2418
126.00	131	211.00	3286	309.00	291	445.00	73
127.00	115376	212.00	129	310.00	397	450.00	52
128.00	8726	213.00	94	311.00	69	466.00	58
129.00	46008	214.00	63	312.00	119	472.00	82
130.00	3782	215.00	1023	313.00	583	475.00	146
131.00	659	216.00	1870	314.00	1103	481.00	50
132.00	381	217.00	19144	315.00	3223	493.00	62
133.00	354	218.00	2464	316.00	1600	507.00	53
134.00	1386	219.00	346	317.00	156	509.00	54
135.00	3314	220.00	145	320.00	112	524.00	74
136.00	1415	221.00	8455	321.00	701		
137.00	2497	222.00	2777	322.00	474		
138.00	428	223.00	4008	323.00	6240		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0115.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 18-APR-2012 14:07
Operator : hoffmanm Inst ID: D.i
Smp Info : DFTPP_00031,,1349453
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\aDFTPPC.M
Meth Date : 18-Apr-2011 08:05 hoffmanm Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC246

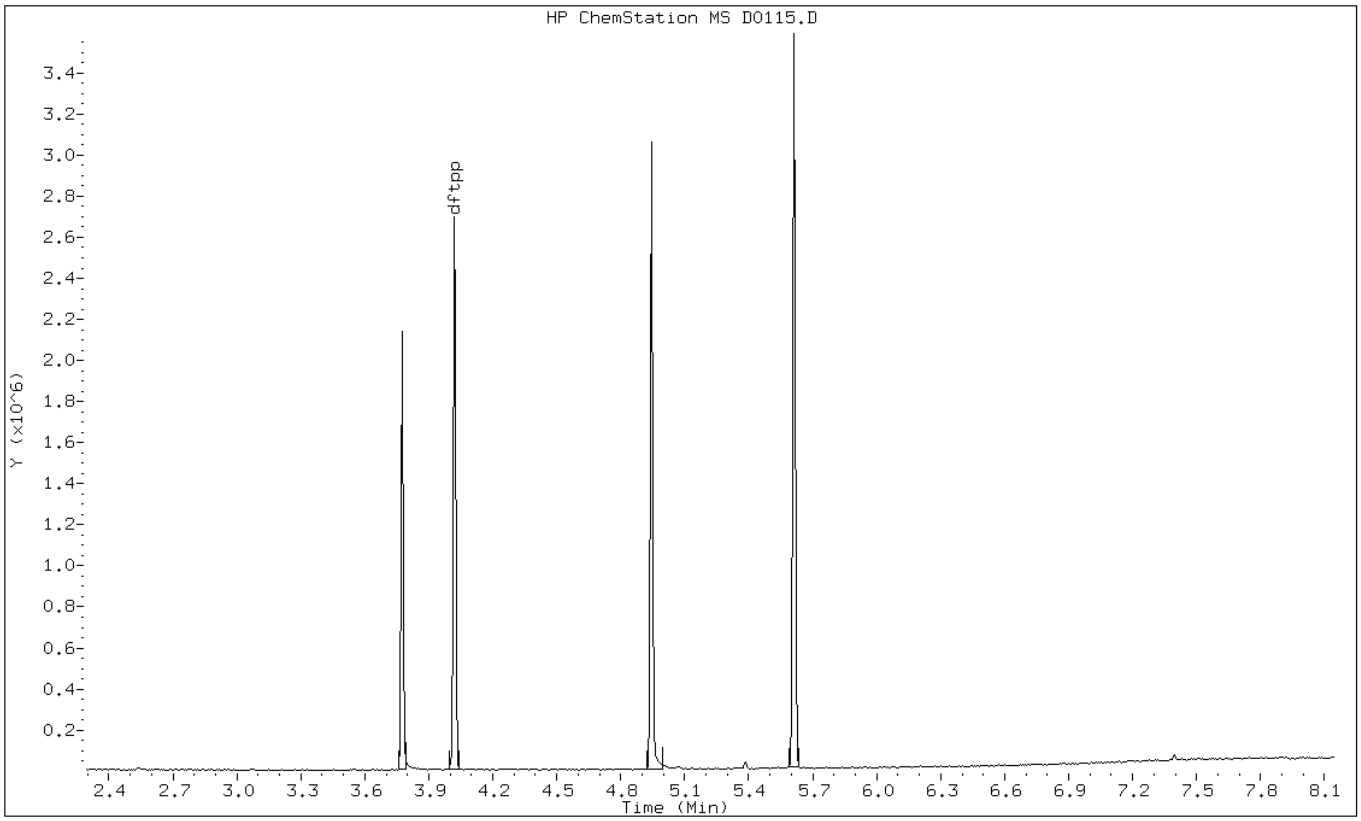
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.016	4.190	-0.174	198	183936			0.00- 100.00	100.00
4.016	4.190	-0.174	51	71632			30.00- 60.00	38.94
4.016	4.190	-0.174	68	340			0.00- 2.00	0.38
4.016	4.190	-0.174	69	89992			0.00- 0.00	48.93
4.016	4.190	-0.174	70	485			0.00- 2.00	0.54
4.016	4.190	-0.174	127	107136			40.00- 60.00	58.25
4.016	4.190	-0.174	197	217			0.00- 1.00	0.12
4.016	4.190	-0.174	199	13354			5.00- 9.00	7.26
4.016	4.190	-0.174	275	47960			10.00- 30.00	26.07
4.016	4.190	-0.174	365	8339			1.00- 0.00	4.53
4.016	4.190	-0.174	441	14113			0.01- 99.99	73.72
4.016	4.190	-0.174	442	97344			40.00- 100.00	52.92
4.016	4.190	-0.174	443	19144			17.00- 23.00	19.67

Data File: D0115.D

Date: 18-APR-2012 14:07

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm



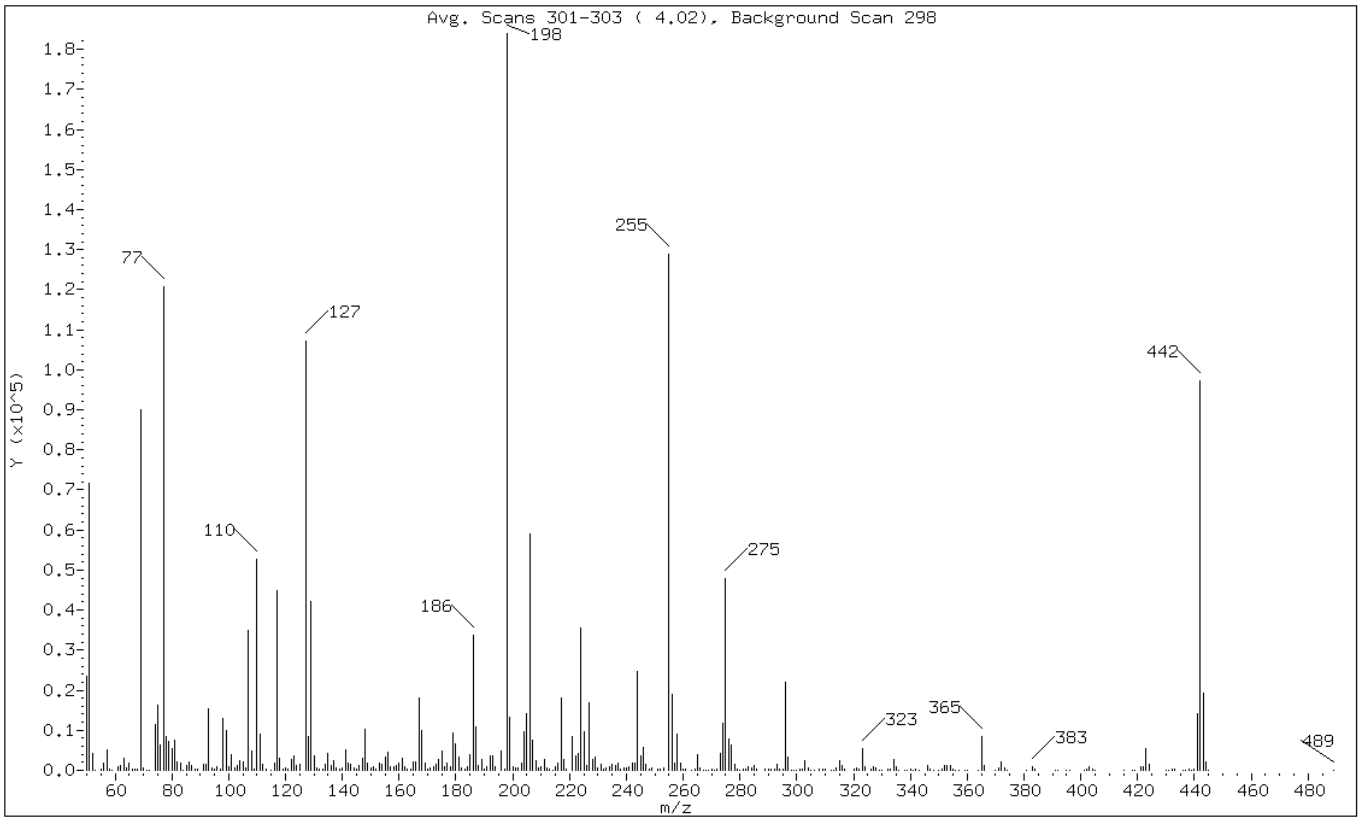
Data File: D0115.D

Date: 18-APR-2012 14:07

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.94
68	Less than 2.00% of mass 69	0.18 (0.38)
69	Mass 69 relative abundance	48.93
70	Less than 2.00% of mass 69	0.26 (0.54)
127	40.00 - 60.00% of mass 198	58.25
197	Less than 1.00% of mass 198	0.12
199	5.00 - 9.00% of mass 198	7.26
275	10.00 - 30.00% of mass 198	26.07
365	Greater than 1.00% of mass 198	4.53
441	Present, but less than mass 443	7.67
442	40.00 - 100.00% of mass 198	52.92
443	17.00 - 23.00% of mass 442	10.41 (19.67)

Data File: D0115.D

Date: 18-APR-2012 14:07

Client ID: DFTPP Instrument: D.i

Sample Info: DFTPP_00031,,1349453 Operator: hoffmanm

Data File: \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0115.D
Spectrum: Avg. Scans 301-303 (4.02), Background Scan 298
Location of Maximum: 198.00
Number of points: 329

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	23504	139.00	334	224.00	35568	314.00	654
51.00	71632	140.00	530	225.00	9484	315.00	2273
52.00	4081	141.00	5227	226.00	1086	316.00	1184
53.00	137	142.00	1767	227.00	16936	317.00	213
55.00	293	143.00	1410	228.00	2610	320.00	167
56.00	1769	144.00	601	229.00	3161	321.00	680
57.00	5002	145.00	301	230.00	622	322.00	265
58.00	418	146.00	1065	231.00	1466	323.00	5483
59.00	70	147.00	3123	232.00	383	324.00	788
61.00	943	148.00	10372	233.00	481	326.00	177
62.00	1320	149.00	1752	234.00	757	327.00	1018
63.00	2993	150.00	478	235.00	1403	328.00	642
64.00	597	151.00	812	236.00	1318	329.00	95
65.00	1879	152.00	386	237.00	1696	330.00	51
66.00	222	153.00	1755	238.00	328	332.00	368
67.00	288	154.00	1455	239.00	655	333.00	447
68.00	340	155.00	3359	240.00	492	334.00	2624
69.00	89992	156.00	4563	241.00	834	335.00	858
70.00	485	157.00	978	242.00	1914	336.00	122
71.00	67	158.00	953	243.00	1878	338.00	66
72.00	50	159.00	1083	244.00	24752	339.00	64
74.00	11367	160.00	1796	245.00	3540	340.00	228
75.00	16374	161.00	2868	246.00	5570	341.00	121
76.00	6267	162.00	873	247.00	1455	342.00	223
77.00	120728	163.00	351	248.00	356	343.00	50
78.00	8310	164.00	275	249.00	716	346.00	1209
79.00	7128	165.00	2074	251.00	299	347.00	334
80.00	5312	166.00	2147	252.00	370	348.00	64
81.00	7662	167.00	18184	253.00	741	350.00	74
82.00	2249	168.00	9877	255.00	128760	351.00	181
83.00	1919	169.00	1880	256.00	18816	352.00	1271
84.00	66	170.00	295	257.00	1832	353.00	1102
85.00	1189	171.00	463	258.00	9120	354.00	1353
86.00	2244	172.00	918	259.00	1807	355.00	219
87.00	1069	173.00	1463	260.00	298	356.00	65
88.00	413	174.00	2687	261.00	321	357.00	92
89.00	211	175.00	4832	263.00	78	359.00	96
91.00	1568	176.00	860	264.00	433	360.00	102
92.00	1504	177.00	1784	265.00	3849	364.00	74
93.00	15212	178.00	977	266.00	694	365.00	8339

94.00	535	179.00	9375	267.00	67	366.00	1206
95.00	335	180.00	6716	268.00	51	370.00	123
96.00	772	181.00	3191	269.00	59	371.00	507
97.00	156	182.00	570	270.00	229	372.00	2091
98.00	12998	183.00	176	271.00	84	373.00	599
99.00	9916	184.00	896	272.00	389	374.00	89
100.00	797	185.00	3993	273.00	4291	381.00	57
101.00	3954	186.00	33608	274.00	11624	383.00	915
102.00	461	187.00	10698	275.00	47960	384.00	262
103.00	1162	188.00	1119	276.00	7754	391.00	74
104.00	2387	189.00	2737	277.00	6420	392.00	78
105.00	2252	190.00	207	278.00	1491	395.00	92
106.00	707	191.00	1000	279.00	155	396.00	65
107.00	34936	192.00	3503	280.00	67	401.00	133
108.00	4765	193.00	3637	281.00	184	402.00	439
109.00	319	194.00	836	282.00	232	403.00	898
110.00	52592	196.00	4834	283.00	983	404.00	401
111.00	8936	197.00	217	284.00	592	405.00	147
112.00	1473	198.00	183936	285.00	1312	415.00	72
113.00	439	199.00	13354	286.00	222	418.00	90
115.00	124	200.00	799	289.00	153	419.00	67
116.00	1859	201.00	622	290.00	294	421.00	1039
117.00	44840	202.00	604	291.00	274	422.00	933
118.00	3068	203.00	1810	292.00	254	423.00	5306
119.00	277	204.00	9532	293.00	1616	424.00	1505
120.00	456	205.00	14094	294.00	360	430.00	60
121.00	160	206.00	59128	295.00	447	431.00	58
122.00	2633	207.00	7418	296.00	21888	432.00	162
123.00	3695	208.00	2376	297.00	3211	433.00	313
124.00	1241	209.00	654	298.00	73	436.00	56
125.00	1496	210.00	853	299.00	139	437.00	59
127.00	107136	211.00	2834	300.00	68	438.00	195
128.00	8526	212.00	551	301.00	297	439.00	110
129.00	42280	213.00	253	302.00	251	440.00	269
130.00	3521	214.00	56	303.00	2414	441.00	14113
131.00	744	215.00	841	304.00	594	442.00	97344
132.00	443	216.00	1945	305.00	63	443.00	19144
133.00	343	217.00	17976	306.00	77	444.00	2199
134.00	1405	218.00	2573	308.00	165	445.00	73
135.00	4093	219.00	339	309.00	262	489.00	70
136.00	1345	221.00	8442	310.00	210		
137.00	2388	222.00	3593	312.00	58		
138.00	531	223.00	4332	313.00	118		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-113829/1-A

Matrix: Solid | Lab File ID: D0139.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.5(g) | Date Analyzed: 04/18/2012 21:31

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

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

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

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	30	U	300	30	46
95-94-3	1,2,4,5-Tetrachlorobenzene	62	U	300	62	45
120-82-1	1,2,4-Trichlorobenzene	30	U	300	30	26
95-50-1	1,2-Dichlorobenzene	30	U	300	30	20
122-66-7	1,2-Diphenylhydrazine	30	U	300	30	20
541-73-1	1,3-Dichlorobenzene	30	U	300	30	11
106-46-7	1,4-Dichlorobenzene	30	U	300	30	13
108-60-1	2,2'-oxybis[1-chloropropane]	30	U	300	30	21
58-90-2	2,3,4,6-Tetrachlorophenol	30	U	1500	30	130
95-95-4	2,4,5-Trichlorophenol	120	U	300	120	9.2
88-06-2	2,4,6-Trichlorophenol	61	U	300	61	9.2
120-83-2	2,4-Dichlorophenol	61	U	300	61	9.2
105-67-9	2,4-Dimethylphenol	120	U	300	120	61
51-28-5	2,4-Dinitrophenol	620	U	1500	620	310
121-14-2	2,4-Dinitrotoluene	120	U	300	120	61
87-65-0	2,6-Dichlorophenol	120	U	300	120	64
606-20-2	2,6-Dinitrotoluene	61	U	300	61	26
91-58-7	2-Chloronaphthalene	30	U	300	30	9.2
95-57-8	2-Chlorophenol	30	U	300	30	19
91-57-6	2-Methylnaphthalene	30	U	300	30	18
95-48-7	2-Methylphenol	30	U	300	30	12
88-74-4	2-Nitroaniline	61	U	1500	61	46
88-75-5	2-Nitrophenol	61	U	300	61	9.2
15831-10-4	3 & 4 Methylphenol	61	U	300	61	30
91-94-1	3,3'-Dichlorobenzidine	300	U	1500	300	83
99-09-2	3-Nitroaniline	120	U	1500	120	67
534-52-1	4,6-Dinitro-2-methylphenol	610	U	1500	610	300
101-55-3	4-Bromophenyl phenyl ether	30	U	300	30	18
59-50-7	4-Chloro-3-methylphenol	120	U	300	120	61
106-47-8	4-Chloroaniline	120	U	300	120	76
7005-72-3	4-Chlorophenyl phenyl ether	61	U	300	61	19
100-01-6	4-Nitroaniline	120	U	1500	120	67
100-02-7	4-Nitrophenol	300	U	1500	300	90
83-32-9	Acenaphthene	16	U	300	16	9.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-113829/1-A

Matrix: Solid | Lab File ID: D0139.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.5(g) | Date Analyzed: 04/18/2012 21:31

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

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

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

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	30	U	300	30	16
98-86-2	Acetophenone	30	U	300	30	18
120-12-7	Anthracene	30	U	300	30	16
1912-24-9	Atrazine	120	U	300	120	34
100-52-7	Benzaldehyde	62	U	300	62	36
92-87-5	Benzidine	3700	U	3700	3700	910
56-55-3	Benzo[a]anthracene	30	U	300	30	18
50-32-8	Benzo[a]pyrene	30	U	300	30	18
205-99-2	Benzo[b]fluoranthene	30	U	300	30	24
191-24-2	Benzo[g,h,i]perylene	30	U	300	30	15
207-08-9	Benzo[k]fluoranthene	61	U	300	61	37
65-85-0	Benzoic acid	610	U	1500	610	300
100-51-6	Benzyl alcohol	30	U	300	30	9.2
111-91-1	Bis(2-chloroethoxy)methane	61	U	300	61	21
111-44-4	Bis(2-chloroethyl)ether	30	U	300	30	15
117-81-7	Bis(2-ethylhexyl) phthalate	76.0	J	300	61	42
85-68-7	Butyl benzyl phthalate	61	U	300	61	40
105-60-2	Caprolactam	300	U	1500	300	98
86-74-8	Carbazole	62	U	300	62	33
218-01-9	Chrysene	30	U	300	30	25
53-70-3	Dibenz(a,h)anthracene	30	U	300	30	18
132-64-9	Dibenzofuran	30	U	300	30	18
84-66-2	Diethyl phthalate	30	U	610	30	24
131-11-3	Dimethyl phthalate	30	U	300	30	21
84-74-2	Di-n-butyl phthalate	30	U	300	30	27
117-84-0	Di-n-octyl phthalate	61	U	300	61	13
206-44-0	Fluoranthene	61	U	300	61	33
86-73-7	Fluorene	30	U	300	30	17
118-74-1	Hexachlorobenzene	61	U	300	61	27
87-68-3	Hexachlorobutadiene	61	U	300	61	9.2
77-47-4	Hexachlorocyclopentadiene	61	U	1600	61	46
67-72-1	Hexachloroethane	30	U	300	30	20
193-39-5	Indeno[1,2,3-cd]pyrene	30	U	300	30	20
78-59-1	Isophorone	30	U	300	30	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-113829/1-A

Matrix: Solid | Lab File ID: D0139.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 32.5(g) | Date Analyzed: 04/18/2012 21:31

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

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

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

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	61	U	300	61	29
98-95-3	Nitrobenzene	30	U	300	30	20
62-75-9	N-Nitrosodimethylamine	61	U	480	61	34
621-64-7	N-Nitrosodi-n-propylamine	61	U	300	61	29
86-30-6	N-Nitrosodiphenylamine	30	U	300	30	19
930-55-2	N-Nitrosopyrrolidine	120	U	300	120	59
87-86-5	Pentachlorophenol	620	U	1500	620	300
85-01-8	Phenanthrene	30	U	300	30	16
108-95-2	Phenol	30	U	300	30	17
129-00-0	Pyrene	30	U	370	30	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	83		35-125
321-60-8	2-Fluorobiphenyl	80		45-105
367-12-4	2-Fluorophenol (Surr)	81		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	76		35-100
4165-62-2	Phenol-d5 (Surr)	82		40-100
1718-51-0	Terphenyl-d14 (Surr)	104		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0139.D
Lab Smp Id: MB 280-113829/1-A
Inj Date : 18-APR-2012 21:31
Operator : hoffmanm Inst ID: D.i
Smp Info : mb280-113829_1-a
Misc Info : MB 280-113829_1-A
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 25 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	32.500	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.017	4.020	(1.000)	204392	40.0000	
* 58 Naphthalene-d8	136	5.192	5.190	(1.000)	754475	40.0000	
* 96 Acenaphthene-d10	164	6.864	6.867	(1.000)	478093	40.0000	
* 135 Phenanthrene-d10	188	8.194	8.198	(1.000)	871529	40.0000	
* 166 Chrysene-d12	240	10.491	10.521	(1.000)	988628	40.0000	
* 179 Perylene-d12	264	11.752	11.819	(1.000)	876168	40.0000	
$ 8 2-Fluorophenol	112	2.959	2.953	(0.737)	819656	122.218	3760.57
$ 15 Phenol-d5	99	3.648	3.653	(0.908)	1069170	123.519	3800.59
$ 43 Nitrobenzene-d5	82	4.513	4.513	(0.869)	682771	75.8843	2334.90
$ 81 2-Fluorobiphenyl	172	6.212	6.212	(0.905)	1385307	79.5170	2446.68
$ 118 2,4,6-Tribromophenol	330	7.580	7.585	(1.104)	339956	124.258	3823.33
$ 154 Terphenyl-d14	244	9.535	9.546	(0.909)	2079979	104.021	3200.65
$ 29 1,2-Dichlorobenzene-d4	152	4.155	4.161	(1.035)	405841	75.1740	2313.05
$ 22 2-Chlorophenol-d4	132	3.819	3.824	(0.951)	844538	117.746	3622.95
4 1,4-Dioxane	88	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
6 Pyridine	79	Compound Not Detected.					
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	Compound Not Detected.					
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
85 Biphenyl	154	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	Compound Not Detected.					
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	10.368	10.406	(0.988)	2946	2.46954	75.9859(a)
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	Compound Not Detected.					
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

QC Flag Legend

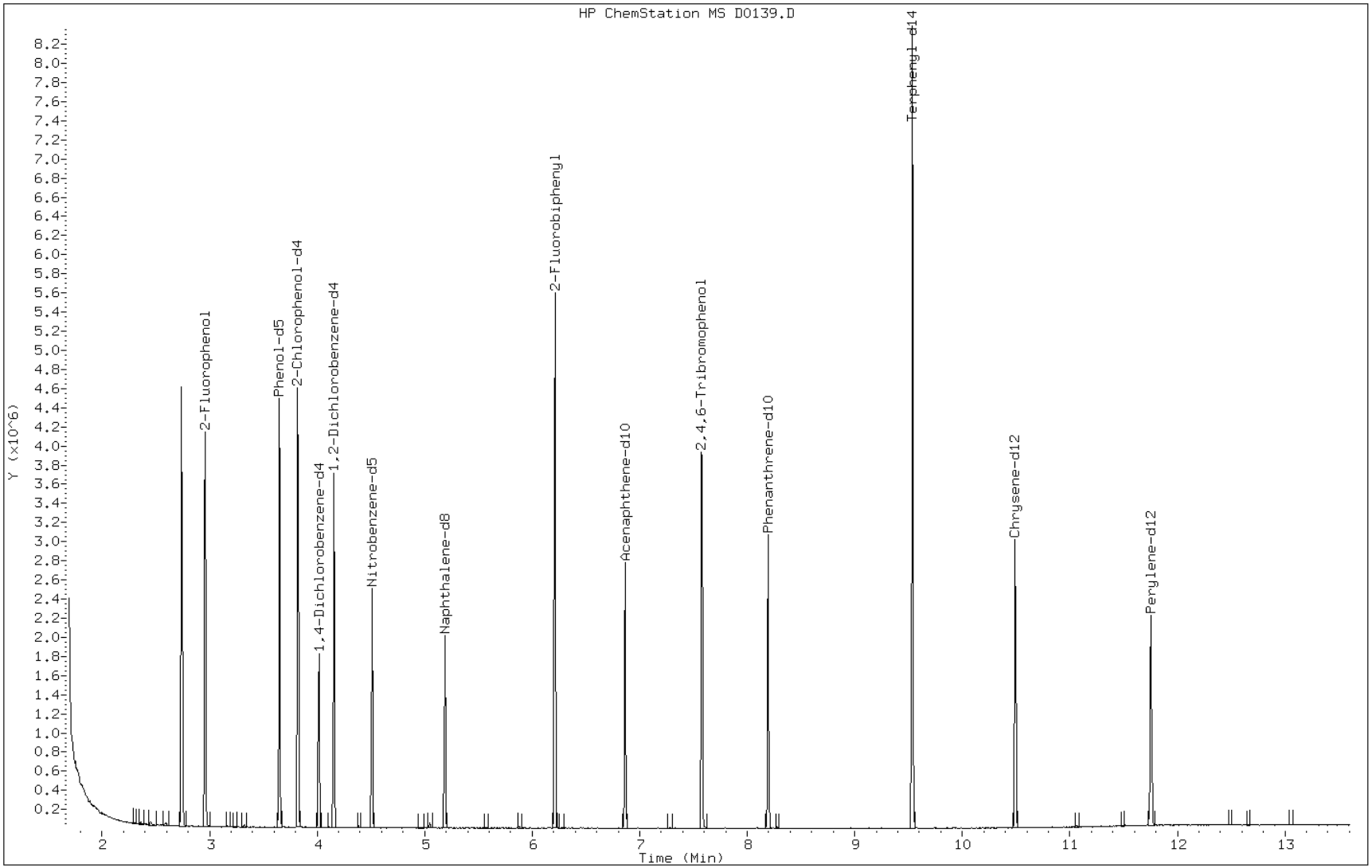
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: D0139.D

Date: 18-APR-2012 21:31

Client ID: Instrument: D.i

Sample Info: mb280-113829_1-a Operator: hoffmanm



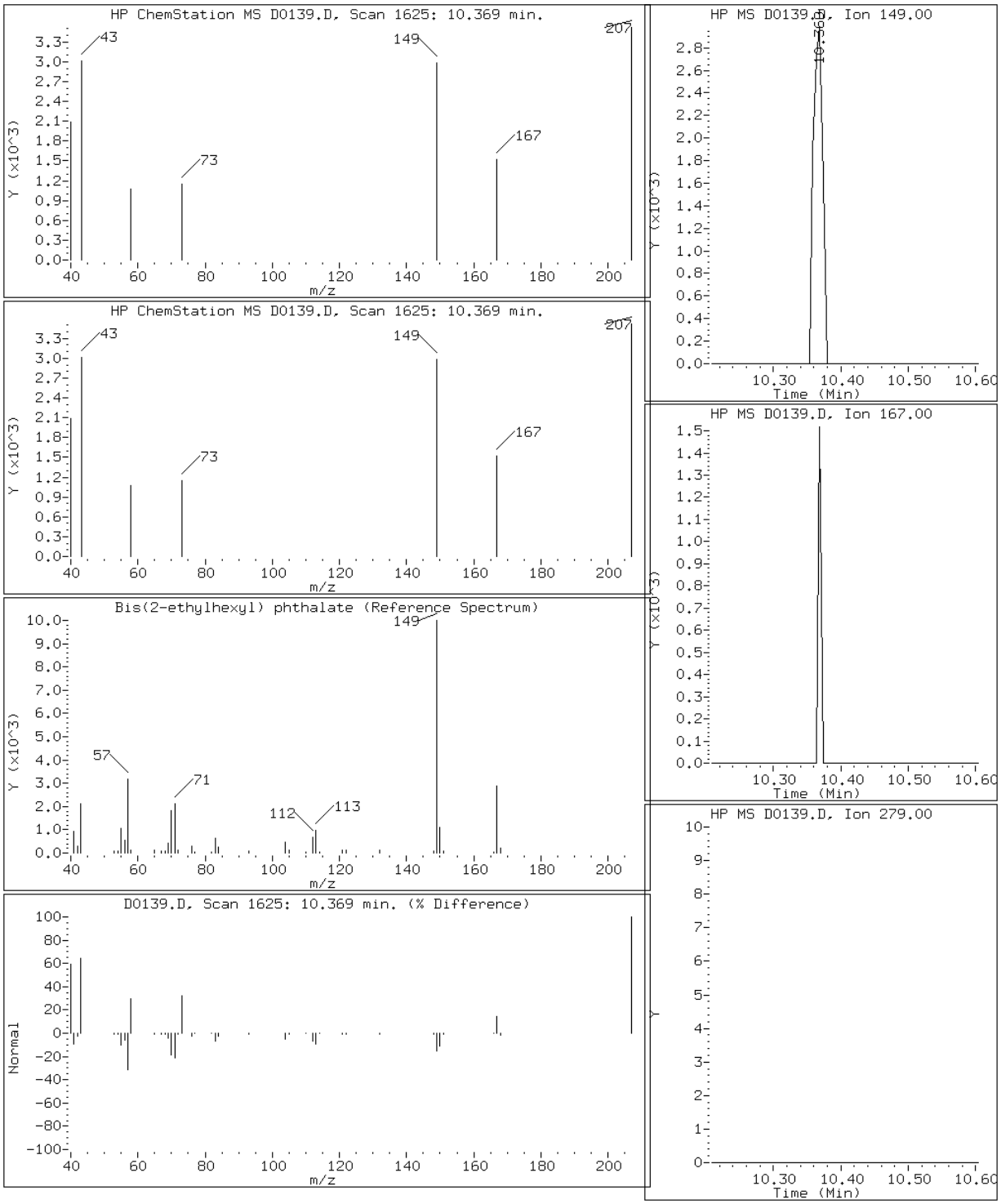
Data File: D0139.D

Date: 18-APR-2012 21:31

Client ID: Instrument: D.i

Sample Info: mb280-113829_1-a Operator: hoffmanm

162 Bis(2-ethylhexyl) phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-114056/1-A

Matrix: Water | Lab File ID: D0125.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1000(mL) | Date Analyzed: 04/18/2012 17:05

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	2.0	U	10	2.0	1.8
95-94-3	1,2,4,5-Tetrachlorobenzene	2.0	U	10	2.0	1.7
120-82-1	1,2,4-Trichlorobenzene	1.0	U	10	1.0	0.28
95-50-1	1,2-Dichlorobenzene	1.0	U	10	1.0	0.23
122-66-7	1,2-Diphenylhydrazine	1.0	U	10	1.0	0.23
541-73-1	1,3-Dichlorobenzene	1.0	U	10	1.0	0.30
106-46-7	1,4-Dichlorobenzene	1.0	U	10	1.0	0.32
108-60-1	2,2'-oxybis[1-chloropropane]	1.0	U	10	1.0	0.28
58-90-2	2,3,4,6-Tetrachlorophenol	2.0	U	50	2.0	2.0
95-95-4	2,4,5-Trichlorophenol	1.0	U	20	1.0	0.45
88-06-2	2,4,6-Trichlorophenol	1.0	U	20	1.0	0.29
120-83-2	2,4-Dichlorophenol	2.0	U	10	2.0	0.64
105-67-9	2,4-Dimethylphenol	4.0	U	10	4.0	0.58
51-28-5	2,4-Dinitrophenol	20	U	80	20	10
121-14-2	2,4-Dinitrotoluene	4.0	U	20	4.0	1.7
87-65-0	2,6-Dichlorophenol	4.0	U	10	4.0	1.4
606-20-2	2,6-Dinitrotoluene	4.0	U	20	4.0	1.9
91-58-7	2-Chloronaphthalene	1.0	U	10	1.0	0.26
95-57-8	2-Chlorophenol	4.0	U	10	4.0	2.0
91-57-6	2-Methylnaphthalene	1.0	U	10	1.0	0.29
95-48-7	2-Methylphenol	4.0	U	10	4.0	0.98
88-74-4	2-Nitroaniline	4.0	U	50	4.0	1.7
88-75-5	2-Nitrophenol	1.0	U	20	1.0	0.39
15831-10-4	3 & 4 Methylphenol	1.0	U	20	1.0	0.25
91-94-1	3,3'-Dichlorobenzidine	10	U	50	10	2.0
99-09-2	3-Nitroaniline	2.0	U	50	2.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	10	U	80	10	4.0
101-55-3	4-Bromophenyl phenyl ether	1.0	U	10	1.0	0.43
59-50-7	4-Chloro-3-methylphenol	5.0	U	20	5.0	2.4
106-47-8	4-Chloroaniline	5.0	U	25	5.0	2.1
7005-72-3	4-Chlorophenyl phenyl ether	4.0	U	10	4.0	1.7
100-01-6	4-Nitroaniline	4.0	U	50	4.0	2.0
100-02-7	4-Nitrophenol	10	U	50	10	1.2
83-32-9	Acenaphthene	1.0	U	10	1.0	0.28

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-114056/1-A

Matrix: Water | Lab File ID: D0125.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1000(mL) | Date Analyzed: 04/18/2012 17:05

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	1.0	U	10	1.0	0.49
98-86-2	Acetophenone	5.0	U	10	5.0	0.24
120-12-7	Anthracene	1.0	U	10	1.0	0.42
1912-24-9	Atrazine	10	U	50	10	0.73
100-52-7	Benzaldehyde	2.0	U	10	2.0	2.0
92-87-5	Benzidine	100	U	200	100	50
56-55-3	Benzo[a]anthracene	1.0	U	10	1.0	0.35
50-32-8	Benzo[a]pyrene	1.0	U	10	1.0	0.31
205-99-2	Benzo[b]fluoranthene	1.0	U	10	1.0	0.53
191-24-2	Benzo[g,h,i]perylene	1.0	U	10	1.0	0.50
207-08-9	Benzo[k]fluoranthene	1.0	U	10	1.0	0.46
65-85-0	Benzoic acid	50	U	80	50	10
100-51-6	Benzyl alcohol	1.0	U	25	1.0	0.23
111-91-1	Bis(2-chloroethoxy)methane	4.0	U	10	4.0	0.97
111-44-4	Bis(2-chloroethyl)ether	1.0	U	20	1.0	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	1.0	U	10	1.0	0.56
85-68-7	Butyl benzyl phthalate	4.0	U	20	4.0	1.0
105-60-2	Caprolactam	10	U	35	10	5.0
86-74-8	Carbazole	1.0	U	10	1.0	0.43
218-01-9	Chrysene	1.0	U	10	1.0	0.54
53-70-3	Dibenz(a,h)anthracene	1.0	U	10	1.0	0.51
132-64-9	Dibenzofuran	1.0	U	10	1.0	0.29
84-66-2	Diethyl phthalate	1.0	U	20	1.0	0.38
131-11-3	Dimethyl phthalate	1.0	U	20	1.0	0.21
84-74-2	Di-n-butyl phthalate	4.0	U	20	4.0	1.2
117-84-0	Di-n-octyl phthalate	1.0	U	20	1.0	0.35
206-44-0	Fluoranthene	1.0	U	20	1.0	0.20
86-73-7	Fluorene	1.0	U	10	1.0	0.31
118-74-1	Hexachlorobenzene	1.0	U	10	1.0	0.66
87-68-3	Hexachlorobutadiene	10	U	30	10	3.3
77-47-4	Hexachlorocyclopentadiene	20	U	50	20	1.5
67-72-1	Hexachloroethane	4.0	U	10	4.0	2.1
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	10	1.0	0.65
78-59-1	Isophorone	1.0	U	10	1.0	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-114056/1-A

Matrix: Water | Lab File ID: D0125.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1000(mL) | Date Analyzed: 04/18/2012 17:05

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	1.0	U	10	1.0	0.29
98-95-3	Nitrobenzene	2.0	U	20	2.0	0.81
62-75-9	N-Nitrosodimethylamine	1.0	U	10	1.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	20	1.0	0.35
86-30-6	N-Nitrosodiphenylamine	1.0	U	10	1.0	0.44
930-55-2	N-Nitrosopyrrolidine	4.0	U	10	4.0	0.80
87-86-5	Pentachlorophenol	40	U	80	40	20
85-01-8	Phenanthrene	1.0	U	10	1.0	0.26
108-95-2	Phenol	5.0	U	10	5.0	2.0
129-00-0	Pyrene	1.0	U	10	1.0	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	92		40-125
321-60-8	2-Fluorobiphenyl	84		50-110
367-12-4	2-Fluorophenol (Surr)	94		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	96		40-110
4165-62-2	Phenol-d5 (Surr)	98		10-115
1718-51-0	Terphenyl-d14 (Surr)	115		50-135

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0125.D
Lab Smp Id: MB 280-114056/1-A
Inj Date : 18-APR-2012 17:05
Operator : hoffmanm Inst ID: D.i
Smp Info : mb280-114056_1-a
Misc Info : MB 280-114056_1-A
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.018	4.020	(1.000)	207418	40.0000	
* 58 Naphthalene-d8	136	5.194	5.190	(1.000)	737049	40.0000	
* 96 Acenaphthene-d10	164	6.866	6.867	(1.000)	468586	40.0000	
* 135 Phenanthrene-d10	188	8.196	8.198	(1.000)	860563	40.0000	
* 166 Chrysene-d12	240	10.514	10.521	(1.000)	940934	40.0000	
* 179 Perylene-d12	264	11.802	11.819	(1.000)	855884	40.0000	
$ 8 2-Fluorophenol	112	2.955	2.953	(0.735)	956420	140.531	140.531
$ 15 Phenol-d5	99	3.650	3.653	(0.908)	1285350	146.328	146.328
$ 43 Nitrobenzene-d5	82	4.515	4.513	(0.869)	842604	95.8625	95.8625
$ 81 2-Fluorobiphenyl	172	6.214	6.212	(0.905)	1435756	84.0849	84.0848
$ 118 2,4,6-Tribromophenol	330	7.582	7.585	(1.104)	377355	138.440	138.440
$ 154 Terphenyl-d14	244	9.542	9.546	(0.908)	2188519	114.997	114.997
$ 29 1,2-Dichlorobenzene-d4	152	4.157	4.161	(1.035)	401851	73.3490	73.3490
$ 22 2-Chlorophenol-d4	132	3.821	3.824	(0.951)	1051228	144.425	144.424
4 1,4-Dioxane	88	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
6 Pyridine	79	Compound Not Detected.					
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
14	Benzaldehyde	106	Compound Not Detected.					
16	Phenol	94	Compound Not Detected.					
18	Aniline	93	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	Compound Not Detected.					
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
138	3-Methylphenol	108	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
139	3 & 4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	Compound Not Detected.					
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	Compound Not Detected.					
72	1-Methylnaphthalene	142	Compound Not Detected.					
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
85	Biphenyl	154	Compound Not Detected.					
89	1,4-Naphthoquinone	158	Compound Not Detected.					
88	2-Nitroaniline	65	Compound Not Detected.					
90	1,4-Dinitrobenzene	168	Compound Not Detected.					
92	1,3-Dinitrobenzene	168	Compound Not Detected.					
91	Dimethyl phthalate	163	Compound Not Detected.					
93	2,6-Dinitrotoluene	165	Compound Not Detected.					
94	Acenaphthylene	152	Compound Not Detected.					
95	3-Nitroaniline	138	Compound Not Detected.					
97	Acenaphthene	153	Compound Not Detected.					
100	Pentachlorobenzene	250	Compound Not Detected.					
98	2,4-Dinitrophenol	184	Compound Not Detected.					
99	4-Nitrophenol	109	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	Compound Not Detected.					
102	Dibenzofuran	168	Compound Not Detected.					
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
108	Thionazin	97	Compound Not Detected.					
107	Diethyl phthalate	149	Compound Not Detected.					
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
110	Fluorene	166	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112	4-Nitroaniline	138	Compound Not Detected.					
113	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	Compound Not Detected.					
114	Diphenylamine	169	Compound Not Detected.					
116	Azobenzene	77	Compound Not Detected.					
234	1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117	Sulfotepp	97	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125	Hexachlorobenzene	284	Compound Not Detected.					
126	Dimethoate	87	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
129	Pentachlorophenol	266	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
136	Phenanthrene	178	Compound Not Detected.					
137	Anthracene	178	Compound Not Detected.					
140	Carbazole	167	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	Compound Not Detected.					
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					

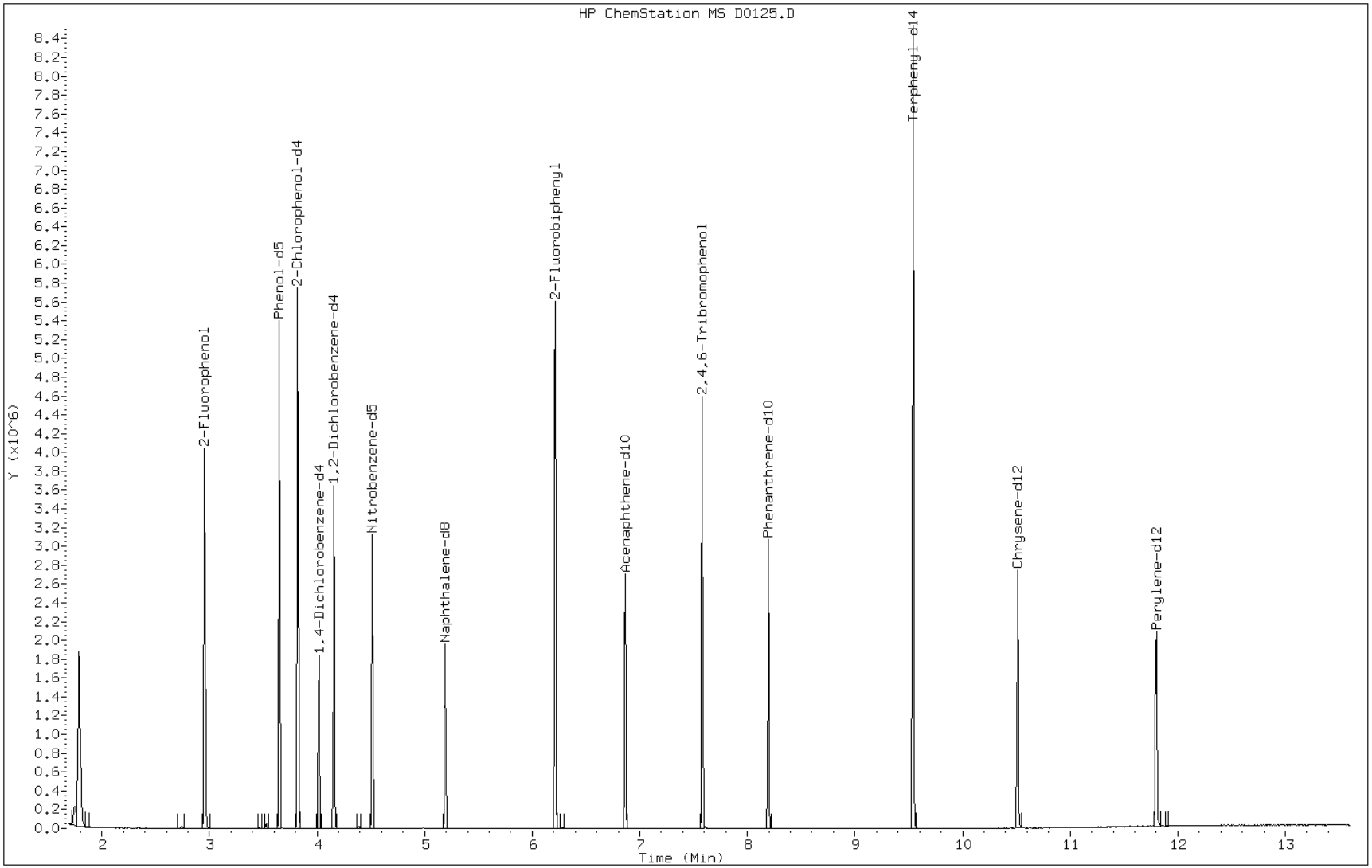
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	Compound Not Detected.					
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	Compound Not Detected.					
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	Compound Not Detected.					
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					

Data File: D0125.D

Date: 18-APR-2012 17:05

Client ID: Instrument: D.i

Sample Info: mb280-114056_1-a Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-113829/2-A

Matrix: Solid | Lab File ID: D0122.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.9(g) | Date Analyzed: 04/18/2012 16:17

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

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

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

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	1960		310	31	26
95-50-1	1,2-Dichlorobenzene	1960		310	31	21
122-66-7	1,2-Diphenylhydrazine	2270		310	31	21
541-73-1	1,3-Dichlorobenzene	1920		310	31	11
106-46-7	1,4-Dichlorobenzene	1970		310	31	13
108-60-1	2,2'-oxybis[1-chloropropane]	1860		310	31	22
95-95-4	2,4,5-Trichlorophenol	2360		310	120	9.4
88-06-2	2,4,6-Trichlorophenol	2140		310	62	9.4
120-83-2	2,4-Dichlorophenol	2060		310	62	9.4
105-67-9	2,4-Dimethylphenol	1960		310	120	62
51-28-5	2,4-Dinitrophenol	1890		1500	630	310
121-14-2	2,4-Dinitrotoluene	2370		310	120	62
606-20-2	2,6-Dinitrotoluene	2240		310	62	26
91-58-7	2-Chloronaphthalene	2050		310	31	9.4
95-57-8	2-Chlorophenol	2080		310	31	20
91-57-6	2-Methylnaphthalene	1950		310	31	18
95-48-7	2-Methylphenol	2090		310	31	12
88-74-4	2-Nitroaniline	2480		1500	62	47
88-75-5	2-Nitrophenol	2050		310	62	9.4
15831-10-4	3 & 4 Methylphenol	4380		310	62	31
91-94-1	3,3'-Dichlorobenzidine	1780		1500	310	85
99-09-2	3-Nitroaniline	2090		1500	130	69
534-52-1	4,6-Dinitro-2-methylphenol	2200		1500	620	310
101-55-3	4-Bromophenyl phenyl ether	2270		310	31	18
59-50-7	4-Chloro-3-methylphenol	2190		310	120	62
106-47-8	4-Chloroaniline	1520		310	120	77
7005-72-3	4-Chlorophenyl phenyl ether	2170		310	62	20
100-01-6	4-Nitroaniline	2340		1500	120	68
100-02-7	4-Nitrophenol	2410		1500	310	91
83-32-9	Acenaphthene	2090		310	16	9.7
208-96-8	Acenaphthylene	2130		310	31	16
120-12-7	Anthracene	2260		310	31	16
92-87-5	Benzidine	3700	U	3800	3700	930
56-55-3	Benzo[a]anthracene	2300		310	31	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-113829/2-A

Matrix: Solid | Lab File ID: D0122.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.9(g) | Date Analyzed: 04/18/2012 16:17

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

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

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

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
50-32-8	Benzo[a]pyrene	1920		310	31	19
205-99-2	Benzo[b]fluoranthene	2000		310	31	25
191-24-2	Benzo[g,h,i]perylene	2280		310	31	15
207-08-9	Benzo[k]fluoranthene	2450		310	62	38
65-85-0	Benzoic acid	1630		1500	620	310
100-51-6	Benzyl alcohol	2160		310	31	9.4
111-91-1	Bis(2-chloroethoxy)methane	2010		310	62	22
111-44-4	Bis(2-chloroethyl)ether	1880		310	31	16
117-81-7	Bis(2-ethylhexyl) phthalate	2310		310	62	43
85-68-7	Butyl benzyl phthalate	2260		310	62	40
86-74-8	Carbazole	2270		310	63	34
218-01-9	Chrysene	2320		310	31	25
53-70-3	Dibenz(a,h)anthracene	1590		310	31	18
132-64-9	Dibenzofuran	2160		310	31	19
84-66-2	Diethyl phthalate	2330		620	31	24
131-11-3	Dimethyl phthalate	2290		310	31	22
84-74-2	Di-n-butyl phthalate	2430		310	31	27
117-84-0	Di-n-octyl phthalate	2370		310	62	14
206-44-0	Fluoranthene	2380		310	62	34
86-73-7	Fluorene	2160		310	31	17
118-74-1	Hexachlorobenzene	2210		310	62	27
87-68-3	Hexachlorobutadiene	1910		310	62	9.4
77-47-4	Hexachlorocyclopentadiene	1990		1600	62	47
67-72-1	Hexachloroethane	1940		310	31	20
193-39-5	Indeno[1,2,3-cd]pyrene	2030		310	31	21
78-59-1	Isophorone	1980		310	31	16
91-20-3	Naphthalene	1970		310	62	29
98-95-3	Nitrobenzene	2030		310	31	21
62-75-9	N-Nitrosodimethylamine	1990		490	62	35
621-64-7	N-Nitrosodi-n-propylamine	2070		310	62	29
86-30-6	N-Nitrosodiphenylamine	1900		310	31	20
87-86-5	Pentachlorophenol	2110		1500	630	310
85-01-8	Phenanthrene	2260		310	31	16
108-95-2	Phenol	2030		310	31	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-113829/2-A

Matrix: Solid | Lab File ID: D0122.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.9(g) | Date Analyzed: 04/18/2012 16:17

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

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

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

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
129-00-0	Pyrene	2270		380	31	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	91		35-125
321-60-8	2-Fluorobiphenyl	81		45-105
367-12-4	2-Fluorophenol (Surr)	83		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	80		35-100
4165-62-2	Phenol-d5 (Surr)	82		40-100
1718-51-0	Terphenyl-d14 (Surr)	94		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0122.D
Lab Smp Id: LCS 280-113829/2-A
Inj Date : 18-APR-2012 16:17
Operator : hoffmanm Inst ID: D.i
Smp Info : lcs280-113829_2-a
Misc Info : LCS 280-113829_2-A
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-LCS.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	31.900	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26	1,4-Dichlorobenzene-d4	152	4.018	4.020	(1.000)	210613	40.0000	
* 58	Naphthalene-d8	136	5.194	5.190	(1.000)	781731	40.0000	
* 96	Acenaphthene-d10	164	6.866	6.867	(1.000)	493728	40.0000	
* 135	Phenanthrene-d10	188	8.196	8.198	(1.000)	885185	40.0000	
* 166	Chrysene-d12	240	10.520	10.521	(1.000)	1082526	40.0000	
* 179	Perylene-d12	264	11.807	11.819	(1.000)	921335	40.0000	
$ 8	2-Fluorophenol	112	2.961	2.953	(0.737)	860967	124.586	3905.53
$ 15	Phenol-d5	99	3.650	3.653	(0.908)	1099812	123.306	3865.40
$ 43	Nitrobenzene-d5	82	4.515	4.513	(0.869)	741355	79.5226	2492.87
$ 81	2-Fluorobiphenyl	172	6.214	6.212	(0.905)	1458765	81.0819	2541.75
$ 118	2,4,6-Tribromophenol	330	7.582	7.585	(1.104)	391575	136.624	4282.90
$ 154	Terphenyl-d14	244	9.542	9.546	(0.907)	2065826	94.3518	2957.74
$ 29	1,2-Dichlorobenzene-d4	152	4.157	4.161	(1.035)	430945	77.4662	2428.41
$ 22	2-Chlorophenol-d4	132	3.821	3.824	(0.951)	906077	122.594	3843.08
4	1,4-Dioxane	88	1.946	1.954	(0.484)	115188	35.3928	1109.49
6	Pyridine	79	2.154	2.157	(0.536)	364416	43.7777	1372.34
5	N-Nitrosodimethylamine	74	2.117	2.120	(0.527)	299600	63.5243	1991.36
18	Aniline	93	3.735	3.739	(0.930)	348424	31.1906	977.763
16	Phenol	94	3.666	3.664	(0.912)	593031	64.7198	2028.83
20	Bis(2-chloroethyl) ether	93	3.762	3.760	(0.936)	470986	59.9845	1880.39
23	2-Chlorophenol	128	3.837	3.835	(0.955)	492449	66.4655	2083.56
25	1,3-Dichlorobenzene	146	3.970	3.974	(0.988)	531338	61.3405	1922.90

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
27	1,4-Dichlorobenzene	146	4.034	4.033	(1.004)	550097	62.7026	1965.60
28	Benzyl alcohol	108	4.114	4.113	(1.024)	317565	68.8059	2156.92
30	1,2-Dichlorobenzene	146	4.168	4.171	(1.037)	524082	62.6418	1963.69
32	2-Methylphenol	108	4.189	4.187	(1.043)	449871	66.8196	2094.66
34	2,2'-oxybis(1-chloropropane)	45	4.216	4.214	(1.049)	334208	59.2403	1857.06
138	3-Methylphenol	108	4.328	4.326	(1.077)	955368	139.585	4375.70
36	4-Methylphenol	108	4.328	4.326	(1.077)	955368	139.585	4375.70
139	3 & 4-Methylphenol	108	4.328	4.326	(1.077)	955368	139.585	4375.70
37	N-nitrosodi-n-propylamine	70	4.339	4.342	(1.080)	373052	66.0431	2070.32
41	Hexachloroethane	117	4.472	4.476	(1.113)	232490	61.7967	1937.20
44	Nitrobenzene	77	4.531	4.535	(0.872)	603413	64.7359	2029.34
47	Isophorone	82	4.729	4.732	(0.911)	928994	63.2853	1983.86
49	2-Nitrophenol	139	4.825	4.823	(0.929)	261453	65.4779	2052.60
50	2,4-Dimethylphenol	107	4.820	4.823	(0.928)	506374	62.5717	1961.50
52	Bis(2-chloroethoxy)methane	93	4.916	4.914	(0.947)	556513	64.0141	2006.71
53	Benzoic acid	122	4.878	4.887	(0.939)	189457	51.8452	1625.24
54	2,4-Dichlorophenol	162	5.039	5.037	(0.970)	410740	65.6417	2057.73
57	1,2,4-Trichlorobenzene	180	5.129	5.128	(0.988)	486136	62.4818	1958.68
59	Naphthalene	128	5.215	5.213	(1.004)	1378759	62.6925	1965.28
60	4-Chloroaniline	127	5.252	5.256	(1.011)	430656	48.4368	1518.39
62	Hexachlorobutadiene	225	5.306	5.304	(1.022)	328705	60.7927	1905.73
68	4-Chloro-3-methylphenol	107	5.696	5.699	(1.097)	434465	69.9931	2194.14
71	2-Methylnaphthalene	142	5.877	5.876	(1.132)	932124	62.1783	1949.16
72	1-Methylnaphthalene	142	5.974	5.977	(1.150)	900495	65.5314	2054.28
74	Hexachlorocyclopentadiene	237	6.016	6.014	(0.876)	389165	63.5771	1993.01
78	2,4,6-Trichlorophenol	196	6.139	6.143	(0.894)	354640	68.1234	2135.53
80	2,4,5-Trichlorophenol	196	6.171	6.175	(0.899)	397600	75.2504	2358.95
86	2-Chloronaphthalene	162	6.347	6.351	(0.925)	973609	65.3074	2047.26
88	2-Nitroaniline	65	6.444	6.447	(0.939)	343931	79.2472	2484.24
91	Dimethyl phthalate	163	6.583	6.581	(0.959)	1226677	73.1378	2292.72
93	2,6-Dinitrotoluene	165	6.657	6.661	(0.970)	283600	71.4462	2239.69
94	Acenaphthylene	152	6.737	6.741	(0.981)	1596116	67.9181	2129.09
95	3-Nitroaniline	138	6.828	6.826	(0.995)	256518	66.6825	2090.36
97	Acenaphthene	153	6.898	6.896	(1.005)	986023	66.5252	2085.43
98	2,4-Dinitrophenol	184	6.914	6.917	(1.007)	135593	60.1487	1885.54
99	4-Nitrophenol	109	6.951	6.955	(1.012)	249512	76.9380	2411.85
101	2,4-Dinitrotoluene	165	7.031	7.029	(1.024)	377930	75.5311	2367.75
102	Dibenzofuran	168	7.053	7.051	(1.027)	1456310	68.8009	2156.77
107	Diethyl phthalate	149	7.213	7.211	(1.051)	1244083	74.4276	2333.15
109	4-Chlorophenyl phenyl ether	204	7.341	7.339	(1.069)	637132	69.3625	2174.37
110	Fluorene	166	7.362	7.361	(1.072)	1236975	69.0339	2164.07
112	4-Nitroaniline	138	7.384	7.387	(1.075)	281479	74.6728	2340.84
113	4,6-Dinitro-2-methylphenol	198	7.395	7.398	(0.902)	225819	70.1653	2199.54
115	N-nitrosodiphenylamine	169	7.448	7.451	(0.909)	905784	60.5637	1898.55
116	Azobenzene	77	7.480	7.484	(1.089)	1456173	71.5595	2243.24
234	1,2-DPH(as Azobenzene)	77	7.480	7.484	(1.089)	1456173	72.3448	2267.86
124	4-Bromophenyl phenyl ether	248	7.779	7.777	(0.949)	408688	72.5501	2274.30
125	Hexachlorobenzene	284	7.849	7.852	(0.958)	432269	70.4138	2207.33
129	Pentachlorophenol	266	8.020	8.018	(0.978)	258736	67.3048	2109.87
136	Phenanthrene	178	8.217	8.221	(1.003)	1831325	72.1994	2263.30
137	Anthracene	178	8.260	8.263	(1.008)	1822305	72.1251	2260.98
140	Carbazole	167	8.399	8.402	(1.025)	1678675	72.4579	2271.41
143	Di-n-butyl phthalate	149	8.623	8.627	(1.052)	1992838	77.4277	2427.20
149	Fluoranthene	202	9.248	9.252	(1.128)	2198539	75.9300	2380.25
151	Benzidine	184	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
152 Pyrene	202	9.457	9.460	(0.899)	2212553	72.4641	2271.60
159 Butyl benzyl phthalate	149	9.927	9.941	(0.944)	956729	72.2195	2263.94
164 3 3'-Dichlorobenzidine	252	10.461	10.475	(0.994)	594169	56.6576	1776.10
165 Benzo(a)anthracene	228	10.504	10.518	(0.998)	2257982	73.4048	2301.09
167 Chrysene	228	10.541	10.555	(1.002)	2092132	73.9403	2317.88
162 Bis(2-ethylhexyl) phthalate	149	10.386	10.406	(0.987)	1181430	73.8282	2314.36
168 Di-n-octyl phthalate	149	10.958	10.977	(1.042)	1913332	75.6988	2373.00
171 Benzo(b)fluoranthene	252	11.460	11.490	(0.971)	2090714	63.8840	2002.63(H)
172 Benzo(k)fluoranthene	252	11.487	11.511	(0.973)	2531680	78.0251	2445.93
178 Benzo(a)pyrene	252	11.754	11.784	(0.995)	1840182	61.3042	1921.76(H)
186 Indeno(1,2,3-cd)pyrene	276	12.886	12.922	(1.225)	2314722	64.7718	2030.46
185 Dibenz(a,h)anthracene	278	12.881	12.916	(1.091)	1652586	50.8232	1593.20
188 Benzo(g,h,i)perylene	276	13.223	13.258	(1.120)	1890625	72.8910	2284.98

QC Flag Legend

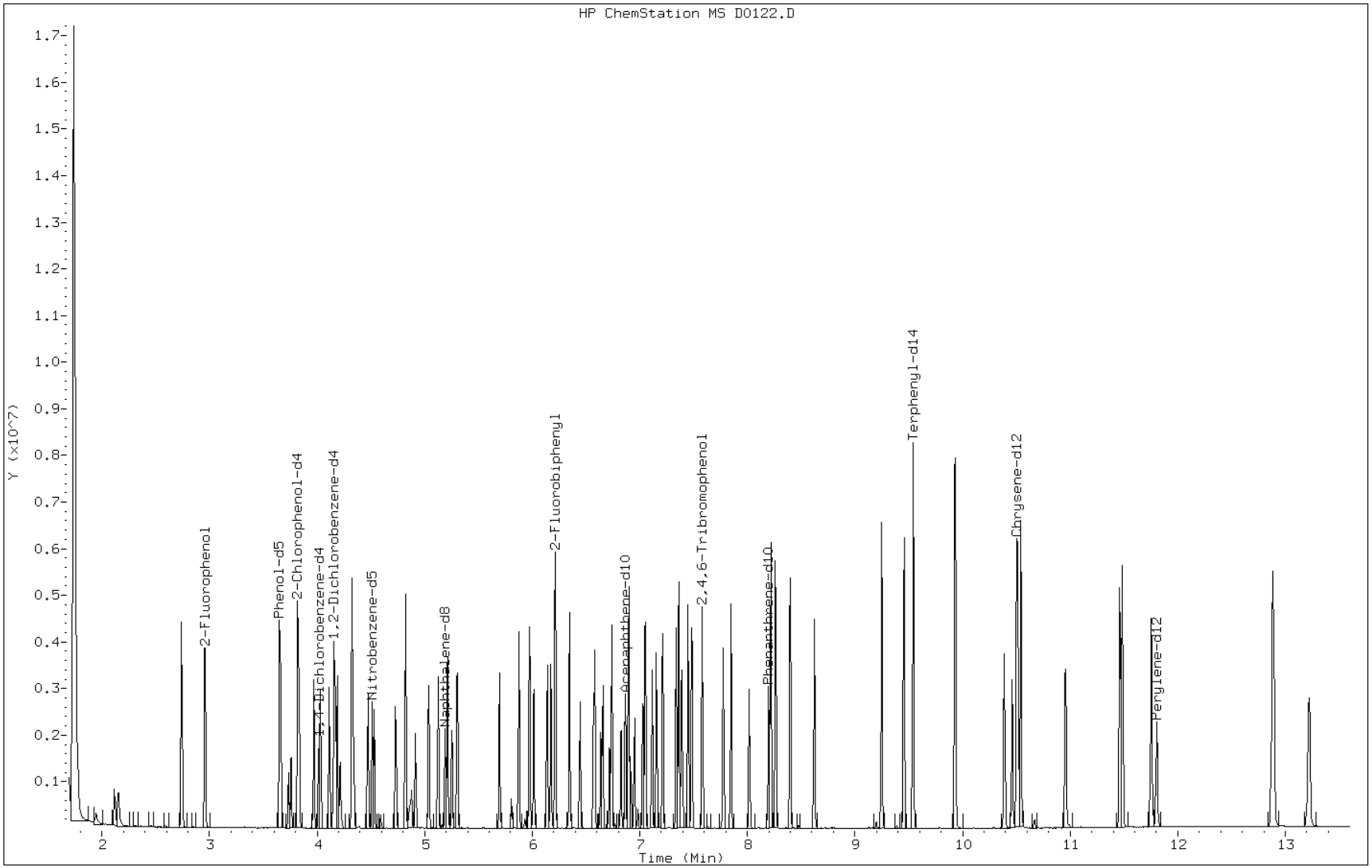
H - Operator selected an alternate compound hit.

Data File: D0122.D

Date: 18-APR-2012 16:17

Client ID: Instrument: D.i

Sample Info: lcs280-113829_2-a Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-114056/2-A

Matrix: Water | Lab File ID: D0120.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1000(mL) | Date Analyzed: 04/18/2012 15:39

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	69.9		10	1.0	0.28
95-50-1	1,2-Dichlorobenzene	63.9		10	1.0	0.23
122-66-7	1,2-Diphenylhydrazine	82.8		10	1.0	0.23
541-73-1	1,3-Dichlorobenzene	59.2		10	1.0	0.30
106-46-7	1,4-Dichlorobenzene	61.6		10	1.0	0.32
108-60-1	2,2'-oxybis[1-chloropropane]	67.3		10	1.0	0.28
95-95-4	2,4,5-Trichlorophenol	82.9		20	1.0	0.45
88-06-2	2,4,6-Trichlorophenol	75.1		20	1.0	0.29
120-83-2	2,4-Dichlorophenol	75.2		10	2.0	0.64
105-67-9	2,4-Dimethylphenol	53.2		10	4.0	0.58
51-28-5	2,4-Dinitrophenol	74.6	J	80	20	10
121-14-2	2,4-Dinitrotoluene	84.5		20	4.0	1.7
606-20-2	2,6-Dinitrotoluene	77.7		20	4.0	1.9
91-58-7	2-Chloronaphthalene	72.6		10	1.0	0.26
95-57-8	2-Chlorophenol	74.2		10	4.0	2.0
91-57-6	2-Methylnaphthalene	68.6		10	1.0	0.29
95-48-7	2-Methylphenol	69.5		10	4.0	0.98
88-74-4	2-Nitroaniline	87.1		50	4.0	1.7
88-75-5	2-Nitrophenol	72.4		20	1.0	0.39
15831-10-4	3 & 4 Methylphenol	150		20	1.0	0.25
91-94-1	3,3'-Dichlorobenzidine	57.3		50	10	2.0
99-09-2	3-Nitroaniline	83.4		50	2.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	82.3		80	10	4.0
101-55-3	4-Bromophenyl phenyl ether	80.5		10	1.0	0.43
59-50-7	4-Chloro-3-methylphenol	77.3		20	5.0	2.4
106-47-8	4-Chloroaniline	70.1		25	5.0	2.1
7005-72-3	4-Chlorophenyl phenyl ether	78.9		10	4.0	1.7
100-01-6	4-Nitroaniline	83.5		50	4.0	2.0
100-02-7	4-Nitrophenol	84.4		50	10	1.2
83-32-9	Acenaphthene	74.1		10	1.0	0.28
208-96-8	Acenaphthylene	75.9		10	1.0	0.49
120-12-7	Anthracene	79.7		10	1.0	0.42
92-87-5	Benzidine	100	U	200	100	50
56-55-3	Benzo[a]anthracene	82.7		10	1.0	0.35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-114056/2-A

Matrix: Water | Lab File ID: D0120.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1000(mL) | Date Analyzed: 04/18/2012 15:39

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
50-32-8	Benzo[a]pyrene	65.7		10	1.0	0.31
205-99-2	Benzo[b]fluoranthene	70.9		10	1.0	0.53
191-24-2	Benzo[g,h,i]perylene	82.0		10	1.0	0.50
207-08-9	Benzo[k]fluoranthene	84.0		10	1.0	0.46
65-85-0	Benzoic acid	68.2	J	80	50	10
100-51-6	Benzyl alcohol	75.9		25	1.0	0.23
111-91-1	Bis(2-chloroethoxy)methane	71.2		10	4.0	0.97
111-44-4	Bis(2-chloroethyl)ether	71.2		20	1.0	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	81.8		10	1.0	0.56
85-68-7	Butyl benzyl phthalate	78.6		20	4.0	1.0
86-74-8	Carbazole	82.4		10	1.0	0.43
218-01-9	Chrysene	83.5		10	1.0	0.54
53-70-3	Dibenz(a,h)anthracene	57.7		10	1.0	0.51
132-64-9	Dibenzofuran	75.8		10	1.0	0.29
84-66-2	Diethyl phthalate	82.7		20	1.0	0.38
131-11-3	Dimethyl phthalate	81.8		20	1.0	0.21
84-74-2	Di-n-butyl phthalate	86.3		20	4.0	1.2
117-84-0	Di-n-octyl phthalate	83.6		20	1.0	0.35
206-44-0	Fluoranthene	85.3		20	1.0	0.20
86-73-7	Fluorene	78.1		10	1.0	0.31
118-74-1	Hexachlorobenzene	78.8		10	1.0	0.66
87-68-3	Hexachlorobutadiene	65.6		30	10	3.3
77-47-4	Hexachlorocyclopentadiene	29.4	J	50	20	1.5
67-72-1	Hexachloroethane	59.7		10	4.0	2.1
193-39-5	Indeno[1,2,3-cd]pyrene	73.8		10	1.0	0.65
78-59-1	Isophorone	72.5		10	1.0	0.21
91-20-3	Naphthalene	69.2		10	1.0	0.29
98-95-3	Nitrobenzene	73.1		20	2.0	0.81
62-75-9	N-Nitrosodimethylamine	73.2		10	1.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	74.0		20	1.0	0.35
86-30-6	N-Nitrosodiphenylamine	64.0		10	1.0	0.44
87-86-5	Pentachlorophenol	75.3	J	80	40	20
85-01-8	Phenanthrene	80.2		10	1.0	0.26
108-95-2	Phenol	72.7		10	5.0	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-114056/2-A

Matrix: Water | Lab File ID: D0120.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1000(mL) | Date Analyzed: 04/18/2012 15:39

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
129-00-0	Pyrene	80.7		10	1.0	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	101		40-125
321-60-8	2-Fluorobiphenyl	91		50-110
367-12-4	2-Fluorophenol (Surr)	88		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	92		40-110
4165-62-2	Phenol-d5 (Surr)	92		10-115
1718-51-0	Terphenyl-d14 (Surr)	104		50-135

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0120.D
Lab Smp Id: LCS 280-114056/2-A
Inj Date : 18-APR-2012 15:39
Operator : hoffmanm Inst ID: D.i
Smp Info : lcs280-114056_2-a
Misc Info : LCS 280-114056_2-A
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-LCS.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26	1,4-Dichlorobenzene-d4	152	4.019	4.020	(1.000)	216070	40.0000	
* 58	Naphthalene-d8	136	5.194	5.190	(1.000)	797873	40.0000	
* 96	Acenaphthene-d10	164	6.866	6.867	(1.000)	499296	40.0000	
* 135	Phenanthrene-d10	188	8.196	8.198	(1.000)	894139	40.0000	
* 166	Chrysene-d12	240	10.515	10.521	(1.000)	1094480	40.0000	
* 179	Perylene-d12	264	11.797	11.819	(1.000)	940326	40.0000	
$ 8	2-Fluorophenol	112	2.956	2.953	(0.736)	934186	131.767	131.767
$ 15	Phenol-d5	99	3.650	3.653	(0.908)	1260328	137.734	137.734
$ 43	Nitrobenzene-d5	82	4.516	4.513	(0.869)	873735	91.8264	91.8264
$ 81	2-Fluorobiphenyl	172	6.215	6.212	(0.905)	1654663	90.9448	90.9448
$ 118	2,4,6-Tribromophenol	330	7.582	7.585	(1.104)	446590	151.498	151.498
$ 154	Terphenyl-d14	244	9.543	9.546	(0.908)	2311860	104.436	104.436
$ 29	1,2-Dichlorobenzene-d4	152	4.158	4.161	(1.035)	431885	75.6745	75.6745
$ 22	2-Chlorophenol-d4	132	3.821	3.824	(0.951)	1040355	137.207	137.207
4	1,4-Dioxane	88	1.957	1.954	(0.487)	215002	64.3933	64.3933
6	Pyridine	79	2.160	2.157	(0.537)	536862	62.8650	62.8650
5	N-Nitrosodimethylamine	74	2.122	2.120	(0.528)	353981	73.1592	73.1592
18	Aniline	93	3.736	3.739	(0.930)	607250	52.9876	52.9876
16	Phenol	94	3.661	3.664	(0.911)	683067	72.6631	72.6630
20	Bis(2-chloroethyl) ether	93	3.762	3.760	(0.936)	573405	71.1841	71.1841
23	2-Chlorophenol	128	3.837	3.835	(0.955)	563716	74.1628	74.1628
25	1,3-Dichlorobenzene	146	3.971	3.974	(0.988)	526504	59.2473	59.2473

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
27	1,4-Dichlorobenzene	146	4.035	4.033	(1.004)	554337	61.5901	61.5901
28	Benzyl alcohol	108	4.115	4.113	(1.024)	359560	75.9373	75.9373
30	1,2-Dichlorobenzene	146	4.174	4.171	(1.039)	548856	63.9461	63.9461
32	2-Methylphenol	108	4.190	4.187	(1.043)	480072	69.5045	69.5045
34	2,2'-oxybis(1-chloropropane)	45	4.217	4.214	(1.049)	389576	67.3106	67.3106
138	3-Methylphenol	108	4.323	4.326	(1.076)	1054210	150.136	150.136
36	4-Methylphenol	108	4.323	4.326	(1.076)	1054210	150.136	150.136
139	3 & 4-Methylphenol	108	4.323	4.326	(1.076)	1054210	150.136	150.136
37	N-nitrosodi-n-propylamine	70	4.345	4.342	(1.081)	428899	74.0123	74.0123
41	Hexachloroethane	117	4.473	4.476	(1.113)	230461	59.7103	59.7103
44	Nitrobenzene	77	4.532	4.535	(0.872)	695869	73.1445	73.1445
47	Isophorone	82	4.729	4.732	(0.911)	1086264	72.5018	72.5018
49	2-Nitrophenol	139	4.826	4.823	(0.929)	295139	72.4188	72.4188
50	2,4-Dimethylphenol	107	4.820	4.823	(0.928)	439651	53.2278	53.2278
52	Bis(2-chloroethoxy)methane	93	4.916	4.914	(0.947)	631604	71.1817	71.1817
53	Benzoic acid	122	4.879	4.887	(0.939)	254374	68.2015	68.2015
54	2,4-Dichlorophenol	162	5.039	5.037	(0.970)	480289	75.2036	75.2036
57	1,2,4-Trichlorobenzene	180	5.130	5.128	(0.988)	554740	69.8568	69.8568
59	Naphthalene	128	5.216	5.213	(1.004)	1553528	69.2102	69.2102
60	4-Chloroaniline	127	5.253	5.256	(1.011)	636373	70.1261	70.1261
62	Hexachlorobutadiene	225	5.306	5.304	(1.022)	361887	65.5755	65.5755
68	4-Chloro-3-methylphenol	107	5.696	5.699	(1.097)	489731	77.3003	77.3003
71	2-Methylnaphthalene	142	5.878	5.876	(1.132)	1049632	68.6003	68.6002
72	1-Methylnaphthalene	142	5.974	5.977	(1.150)	1024877	73.0741	73.0741
74	Hexachlorocyclopentadiene	237	6.017	6.014	(0.876)	181770	29.3643	29.3642
78	2,4,6-Trichlorophenol	196	6.140	6.143	(0.894)	395126	75.0540	75.0540
80	2,4,5-Trichlorophenol	196	6.172	6.175	(0.899)	443131	82.9324	82.9324
86	2-Chloronaphthalene	162	6.348	6.351	(0.925)	1095009	72.6316	72.6316
88	2-Nitroaniline	65	6.444	6.447	(0.939)	382282	87.1016	87.1016
91	Dimethyl phthalate	163	6.583	6.581	(0.959)	1387685	81.8149	81.8149
93	2,6-Dinitrotoluene	165	6.658	6.661	(0.970)	311815	77.6783	77.6783
94	Acenaphthylene	152	6.743	6.741	(0.982)	1803977	75.9070	75.9070
95	3-Nitroaniline	138	6.829	6.826	(0.995)	324459	83.4034	83.4034
97	Acenaphthene	153	6.898	6.896	(1.005)	1110389	74.0806	74.0806
98	2,4-Dinitrophenol	184	6.914	6.917	(1.007)	175507	74.5885	74.5885
99	4-Nitrophenol	109	6.952	6.955	(1.012)	276914	84.4353	84.4353
101	2,4-Dinitrotoluene	165	7.032	7.029	(1.024)	427748	84.5341	84.5341
102	Dibenzofuran	168	7.053	7.051	(1.027)	1621854	75.7673	75.7673
107	Diethyl phthalate	149	7.213	7.211	(1.051)	1397483	82.6725	82.6725
109	4-Chlorophenyl phenyl ether	204	7.342	7.339	(1.069)	732812	78.8892	78.8892
110	Fluorene	166	7.363	7.361	(1.072)	1414835	78.0795	78.0795
112	4-Nitroaniline	138	7.390	7.387	(1.076)	318367	83.5168	83.5168
113	4,6-Dinitro-2-methylphenol	198	7.395	7.398	(0.902)	267442	82.2660	82.2660
115	N-nitrosodiphenylamine	169	7.449	7.451	(0.909)	966499	63.9762	63.9762
116	Azobenzene	77	7.481	7.484	(1.089)	1685154	81.8886	81.8886
234	1,2-DPH(as Azobenzene)	77	7.481	7.484	(1.089)	1685154	82.7873	82.7873
124	4-Bromophenyl phenyl ether	248	7.780	7.777	(0.949)	458154	80.5168	80.5168
125	Hexachlorobenzene	284	7.849	7.852	(0.958)	488770	78.8202	78.8202
129	Pentachlorophenol	266	8.020	8.018	(0.978)	296358	75.2652	75.2652
136	Phenanthrene	178	8.218	8.221	(1.003)	2055452	80.2240	80.2240
137	Anthracene	178	8.261	8.263	(1.008)	2033939	79.6953	79.6952
140	Carbazole	167	8.399	8.402	(1.025)	1929111	82.4338	82.4338
143	Di-n-butyl phthalate	149	8.624	8.627	(1.052)	2244386	86.3278	86.3278
149	Fluoranthene	202	9.249	9.252	(1.128)	2495930	85.3377	85.3376
151	Benzidine	184	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
152 Pyrene	202	9.457	9.460	(0.899)	2492522	80.7419	80.7419
159 Butyl benzyl phthalate	149	9.927	9.941	(0.944)	1054737	78.5945	78.5945
164 3 3'-Dichlorobenzidine	252	10.462	10.475	(0.995)	607559	57.3016	57.3016
165 Benzo(a)anthracene	228	10.504	10.518	(0.999)	2572836	82.7269	82.7269
167 Chrysene	228	10.542	10.555	(1.003)	2387591	83.4608	83.4608
162 Bis(2-ethylhexyl) phthalate	149	10.387	10.406	(0.988)	1327095	81.7726	81.7726
168 Di-n-octyl phthalate	149	10.953	10.977	(1.042)	2144546	83.6476	83.6476
171 Benzo(b)fluoranthene	252	11.455	11.490	(0.971)	2390818	70.8898	70.8898(H)
172 Benzo(k)fluoranthene	252	11.477	11.511	(0.973)	2781046	83.9794	83.9794(H)
178 Benzo(a)pyrene	252	11.749	11.784	(0.996)	2016731	65.7037	65.7037(H)
186 Indeno(1,2,3-cd)pyrene	276	12.881	12.922	(1.225)	2674070	73.7960	73.7960
185 Dibenz(a,h)anthracene	278	12.876	12.916	(1.091)	1930503	57.7076	57.7076
188 Benzo(g,h,i)perylene	276	13.213	13.258	(1.120)	2170707	81.9991	81.9991

QC Flag Legend

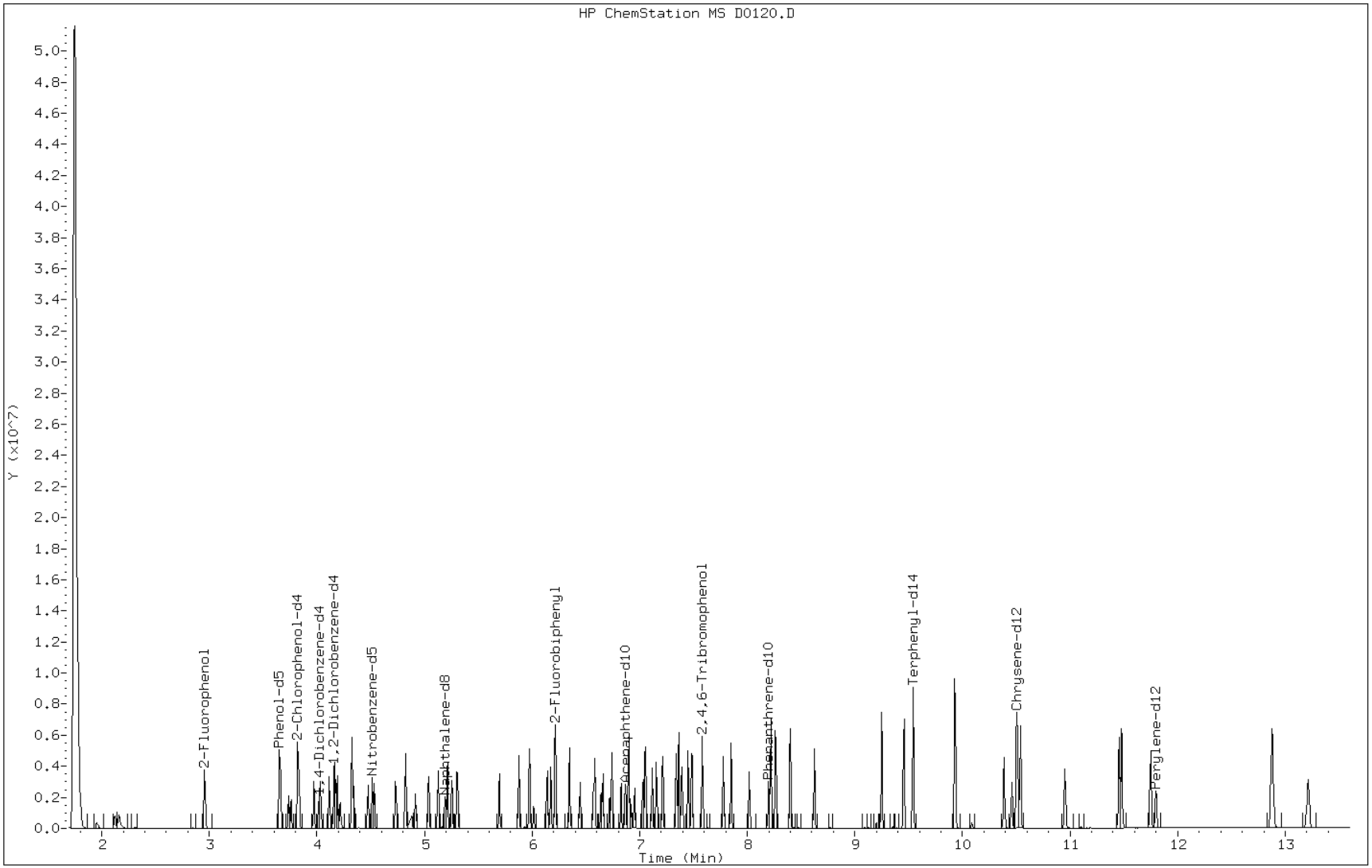
H - Operator selected an alternate compound hit.

Data File: D0120.D

Date: 18-APR-2012 15:39

Client ID: Instrument: D.i

Sample Info: lcs280-114056_2-a Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-114056/3-A

Matrix: Water | Lab File ID: D0121.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1000(mL) | Date Analyzed: 04/18/2012 15:58

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	68.2		10	1.0	0.28
95-50-1	1,2-Dichlorobenzene	58.6		10	1.0	0.23
122-66-7	1,2-Diphenylhydrazine	81.5		10	1.0	0.23
541-73-1	1,3-Dichlorobenzene	53.0		10	1.0	0.30
106-46-7	1,4-Dichlorobenzene	55.5		10	1.0	0.32
108-60-1	2,2'-oxybis[1-chloropropane]	69.2		10	1.0	0.28
95-95-4	2,4,5-Trichlorophenol	84.4		20	1.0	0.45
88-06-2	2,4,6-Trichlorophenol	77.0		20	1.0	0.29
120-83-2	2,4-Dichlorophenol	76.5		10	2.0	0.64
105-67-9	2,4-Dimethylphenol	54.9		10	4.0	0.58
51-28-5	2,4-Dinitrophenol	74.5	J	80	20	10
121-14-2	2,4-Dinitrotoluene	84.0		20	4.0	1.7
606-20-2	2,6-Dinitrotoluene	78.9		20	4.0	1.9
91-58-7	2-Chloronaphthalene	75.1		10	1.0	0.26
95-57-8	2-Chlorophenol	75.5		10	4.0	2.0
91-57-6	2-Methylnaphthalene	70.0		10	1.0	0.29
95-48-7	2-Methylphenol	72.6		10	4.0	0.98
88-74-4	2-Nitroaniline	88.3		50	4.0	1.7
88-75-5	2-Nitrophenol	77.5		20	1.0	0.39
15831-10-4	3 & 4 Methylphenol	156		20	1.0	0.25
91-94-1	3,3'-Dichlorobenzidine	57.4		50	10	2.0
99-09-2	3-Nitroaniline	83.0		50	2.0	2.0
534-52-1	4,6-Dinitro-2-methylphenol	82.8		80	10	4.0
101-55-3	4-Bromophenyl phenyl ether	80.5		10	1.0	0.43
59-50-7	4-Chloro-3-methylphenol	78.7		20	5.0	2.4
106-47-8	4-Chloroaniline	73.9		25	5.0	2.1
7005-72-3	4-Chlorophenyl phenyl ether	78.8		10	4.0	1.7
100-01-6	4-Nitroaniline	87.2		50	4.0	2.0
100-02-7	4-Nitrophenol	86.9		50	10	1.2
83-32-9	Acenaphthene	76.4		10	1.0	0.28
208-96-8	Acenaphthylene	77.2		10	1.0	0.49
120-12-7	Anthracene	80.5		10	1.0	0.42
92-87-5	Benzidine	100	U	200	100	50
56-55-3	Benzo[a]anthracene	80.2		10	1.0	0.35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-114056/3-A

Matrix: Water | Lab File ID: D0121.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1000(mL) | Date Analyzed: 04/18/2012 15:58

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
50-32-8	Benzo[a]pyrene	67.0		10	1.0	0.31
205-99-2	Benzo[b]fluoranthene	74.6		10	1.0	0.53
191-24-2	Benzo[g,h,i]perylene	81.4		10	1.0	0.50
207-08-9	Benzo[k]fluoranthene	80.7		10	1.0	0.46
65-85-0	Benzoic acid	64.6	J	80	50	10
100-51-6	Benzyl alcohol	79.3		25	1.0	0.23
111-91-1	Bis(2-chloroethoxy)methane	75.3		10	4.0	0.97
111-44-4	Bis(2-chloroethyl)ether	67.6		20	1.0	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	80.7		10	1.0	0.56
85-68-7	Butyl benzyl phthalate	77.9		20	4.0	1.0
86-74-8	Carbazole	82.6		10	1.0	0.43
218-01-9	Chrysene	81.9		10	1.0	0.54
53-70-3	Dibenz(a,h)anthracene	57.4		10	1.0	0.51
132-64-9	Dibenzofuran	77.7		10	1.0	0.29
84-66-2	Diethyl phthalate	83.4		20	1.0	0.38
131-11-3	Dimethyl phthalate	82.5		20	1.0	0.21
84-74-2	Di-n-butyl phthalate	86.3		20	4.0	1.2
117-84-0	Di-n-octyl phthalate	82.8		20	1.0	0.35
206-44-0	Fluoranthene	84.1		20	1.0	0.20
86-73-7	Fluorene	77.8		10	1.0	0.31
118-74-1	Hexachlorobenzene	80.0		10	1.0	0.66
87-68-3	Hexachlorobutadiene	62.1		30	10	3.3
77-47-4	Hexachlorocyclopentadiene	29.9	J	50	20	1.5
67-72-1	Hexachloroethane	51.2		10	4.0	2.1
193-39-5	Indeno[1,2,3-cd]pyrene	72.4		10	1.0	0.65
78-59-1	Isophorone	74.9		10	1.0	0.21
91-20-3	Naphthalene	70.0		10	1.0	0.29
98-95-3	Nitrobenzene	75.3		20	2.0	0.81
62-75-9	N-Nitrosodimethylamine	76.8		10	1.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	76.3		20	1.0	0.35
86-30-6	N-Nitrosodiphenylamine	65.3		10	1.0	0.44
87-86-5	Pentachlorophenol	75.2	J	80	40	20
85-01-8	Phenanthrene	81.1		10	1.0	0.26
108-95-2	Phenol	74.0		10	5.0	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-114056/3-A

Matrix: Water | Lab File ID: D0121.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 04/03/2012 11:45

Sample wt/vol: 1000(mL) | Date Analyzed: 04/18/2012 15:58

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

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

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

Analysis Batch No.: 116156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
129-00-0	Pyrene	79.9		10	1.0	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	99		40-125
321-60-8	2-Fluorobiphenyl	90		50-110
367-12-4	2-Fluorophenol (Surr)	90		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	94		40-110
4165-62-2	Phenol-d5 (Surr)	93		10-115
1718-51-0	Terphenyl-d14 (Surr)	103		50-135

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0121.D
Lab Smp Id: LCSD 280-114056/3-A
Inj Date : 18-APR-2012 15:58
Operator : hoffmanm Inst ID: D.i
Smp Info : lcsd280-114056_3-a
Misc Info : LCSD 280-114056_3-A
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 7 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-LCS.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.017	4.020	(1.000)	216264	40.0000	
* 58 Naphthalene-d8	136	5.192	5.190	(1.000)	787500	40.0000	
* 96 Acenaphthene-d10	164	6.864	6.867	(1.000)	496717	40.0000	
* 135 Phenanthrene-d10	188	8.194	8.198	(1.000)	890055	40.0000	
* 166 Chrysene-d12	240	10.513	10.521	(1.000)	1105445	40.0000	
* 179 Perylene-d12	264	11.800	11.819	(1.000)	929402	40.0000	
$ 8 2-Fluorophenol	112	2.954	2.953	(0.735)	954458	134.506	134.506
$ 15 Phenol-d5	99	3.648	3.653	(0.908)	1276798	139.409	139.408
$ 43 Nitrobenzene-d5	82	4.514	4.513	(0.869)	886790	94.4260	94.4260
$ 81 2-Fluorobiphenyl	172	6.212	6.212	(0.905)	1635738	90.3714	90.3714
$ 118 2,4,6-Tribromophenol	330	7.580	7.585	(1.104)	434163	148.543	148.543
$ 154 Terphenyl-d14	244	9.541	9.546	(0.908)	2308691	103.258	103.258
$ 29 1,2-Dichlorobenzene-d4	152	4.156	4.161	(1.035)	416877	72.9793	72.9792
$ 22 2-Chlorophenol-d4	132	3.819	3.824	(0.951)	1065967	140.459	140.459
4 1,4-Dioxane	88	1.955	1.954	(0.487)	216751	64.8589	64.8589
6 Pyridine	79	2.158	2.157	(0.537)	557780	65.2559	65.2559
5 N-Nitrosodimethylamine	74	2.120	2.120	(0.528)	371832	76.7796	76.7796
18 Aniline	93	3.739	3.739	(0.931)	654158	57.0295	57.0295
16 Phenol	94	3.659	3.664	(0.911)	696148	73.9881	73.9881
20 Bis(2-chloroethyl) ether	93	3.760	3.760	(0.936)	544656	67.5545	67.5545
23 2-Chlorophenol	128	3.835	3.835	(0.955)	574315	75.4894	75.4894
25 1,3-Dichlorobenzene	146	3.969	3.974	(0.988)	471672	53.0295	53.0295

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
27	1,4-Dichlorobenzene	146	4.033	4.033	(1.004)	499552	55.4533	55.4533
28	Benzyl alcohol	108	4.113	4.113	(1.024)	375973	79.3324	79.3324
30	1,2-Dichlorobenzene	146	4.172	4.171	(1.039)	503722	58.6350	58.6350
32	2-Methylphenol	108	4.188	4.187	(1.043)	501792	72.5839	72.5839
34	2,2'-oxybis(1-chloropropane)	45	4.214	4.214	(1.049)	400947	69.2132	69.2132
138	3-Methylphenol	108	4.327	4.326	(1.077)	1095639	155.897	155.896
36	4-Methylphenol	108	4.327	4.326	(1.077)	1095639	155.897	155.896
139	3 & 4-Methylphenol	108	4.327	4.326	(1.077)	1095639	155.897	155.896
37	N-nitrosodi-n-propylamine	70	4.343	4.342	(1.081)	442432	76.2791	76.2791
41	Hexachloroethane	117	4.471	4.476	(1.113)	197752	51.1898	51.1898
44	Nitrobenzene	77	4.530	4.535	(0.872)	706841	75.2764	75.2764
47	Isophorone	82	4.733	4.732	(0.912)	1108038	74.9292	74.9292
49	2-Nitrophenol	139	4.823	4.823	(0.929)	311745	77.5010	77.5010
50	2,4-Dimethylphenol	107	4.818	4.823	(0.928)	447959	54.9480	54.9480
52	Bis(2-chloroethoxy)methane	93	4.914	4.914	(0.947)	659652	75.3220	75.3220
53	Benzoic acid	122	4.882	4.887	(0.940)	237668	64.5617	64.5617
54	2,4-Dichlorophenol	162	5.037	5.037	(0.970)	482120	76.4847	76.4847
57	1,2,4-Trichlorobenzene	180	5.128	5.128	(0.988)	534891	68.2445	68.2445
59	Naphthalene	128	5.213	5.213	(1.004)	1549888	69.9575	69.9575
60	4-Chloroaniline	127	5.256	5.256	(1.012)	661670	73.8742	73.8742
62	Hexachlorobutadiene	225	5.304	5.304	(1.022)	338238	62.0975	62.0975
68	4-Chloro-3-methylphenol	107	5.694	5.699	(1.097)	491907	78.6665	78.6665
71	2-Methylnaphthalene	142	5.876	5.876	(1.132)	1056947	69.9882	69.9882
72	1-Methylnaphthalene	142	5.977	5.977	(1.151)	1028722	74.3144	74.3144(R)
74	Hexachlorocyclopentadiene	237	6.015	6.014	(0.876)	184389	29.9420	29.9420
78	2,4,6-Trichlorophenol	196	6.138	6.143	(0.894)	403198	76.9850	76.9850
80	2,4,5-Trichlorophenol	196	6.175	6.175	(0.900)	448566	84.3854	84.3854
86	2-Chloronaphthalene	162	6.346	6.351	(0.925)	1126795	75.1280	75.1280
88	2-Nitroaniline	65	6.447	6.447	(0.939)	385599	88.3136	88.3136
91	Dimethyl phthalate	163	6.581	6.581	(0.959)	1391584	82.4708	82.4708
93	2,6-Dinitrotoluene	165	6.656	6.661	(0.970)	314985	78.8754	78.8754
94	Acenaphthylene	152	6.741	6.741	(0.982)	1824833	77.1832	77.1832
95	3-Nitroaniline	138	6.827	6.826	(0.995)	321078	82.9628	82.9628
97	Acenaphthene	153	6.896	6.896	(1.005)	1139956	76.4480	76.4480
98	2,4-Dinitrophenol	184	6.918	6.917	(1.008)	174496	74.5490	74.5490
99	4-Nitrophenol	109	6.950	6.955	(1.012)	283635	86.9337	86.9337
101	2,4-Dinitrotoluene	165	7.030	7.029	(1.024)	422805	83.9911	83.9911
102	Dibenzofuran	168	7.051	7.051	(1.027)	1653576	77.6503	77.6503
107	Diethyl phthalate	149	7.211	7.211	(1.051)	1402747	83.4148	83.4148
109	4-Chlorophenyl phenyl ether	204	7.340	7.339	(1.069)	728514	78.8337	78.8337
110	Fluorene	166	7.361	7.361	(1.072)	1402218	77.7850	77.7850
112	4-Nitroaniline	138	7.388	7.387	(1.076)	330504	87.1508	87.1508
113	4,6-Dinitro-2-methylphenol	198	7.393	7.398	(0.902)	268042	82.8289	82.8289
115	N-nitrosodiphenylamine	169	7.446	7.451	(0.909)	981246	65.2504	65.2504
116	Azobenzene	77	7.484	7.484	(1.090)	1650890	80.6401	80.6401
234	1,2-DPH(as Azobenzene)	77	7.484	7.484	(1.090)	1650890	81.5251	81.5251
124	4-Bromophenyl phenyl ether	248	7.778	7.777	(0.949)	456201	80.5415	80.5415
125	Hexachlorobenzene	284	7.847	7.852	(0.958)	494029	80.0338	80.0338
129	Pentachlorophenol	266	8.018	8.018	(0.978)	294876	75.2359	75.2358
136	Phenanthrene	178	8.216	8.221	(1.003)	2069484	81.1423	81.1423
137	Anthracene	178	8.264	8.263	(1.008)	2044878	80.4915	80.4915
140	Carbazole	167	8.397	8.402	(1.025)	1923931	82.5897	82.5897
143	Di-n-butyl phthalate	149	8.622	8.627	(1.052)	2234674	86.3487	86.3487
149	Fluoranthene	202	9.247	9.252	(1.128)	2449485	84.1339	84.1339
151	Benzidine	184	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
152 Pyrene	202	9.455	9.460	(0.899)	2489981	79.8595	79.8595
159 Butyl benzyl phthalate	149	9.931	9.941	(0.945)	1055856	77.9125	77.9125
164 3 3'-Dichlorobenzidine	252	10.459	10.475	(0.995)	614619	57.3925	57.3925
165 Benzo(a)anthracene	228	10.502	10.518	(0.999)	2518943	80.1906	80.1906
167 Chrysene	228	10.540	10.555	(1.003)	2366309	81.8964	81.8964
162 Bis(2-ethylhexyl) phthalate	149	10.385	10.406	(0.988)	1322827	80.7310	80.7310
168 Di-n-octyl phthalate	149	10.951	10.977	(1.042)	2142093	82.7509	82.7508
171 Benzo(b)fluoranthene	252	11.458	11.490	(0.971)	2499505	74.6221	74.6221(H)
172 Benzo(k)fluoranthene	252	11.480	11.511	(0.973)	2642190	80.7242	80.7242
178 Benzo(a)pyrene	252	11.752	11.784	(0.996)	2032320	66.9567	66.9567(H)
186 Indeno(1,2,3-cd)pyrene	276	12.879	12.922	(1.225)	2649840	72.4303	72.4303
185 Dibenz(a,h)anthracene	278	12.879	12.916	(1.091)	1897298	57.3998	57.3998
188 Benzo(g,h,i)perylene	276	13.216	13.258	(1.120)	2129283	81.3797	81.3797

QC Flag Legend

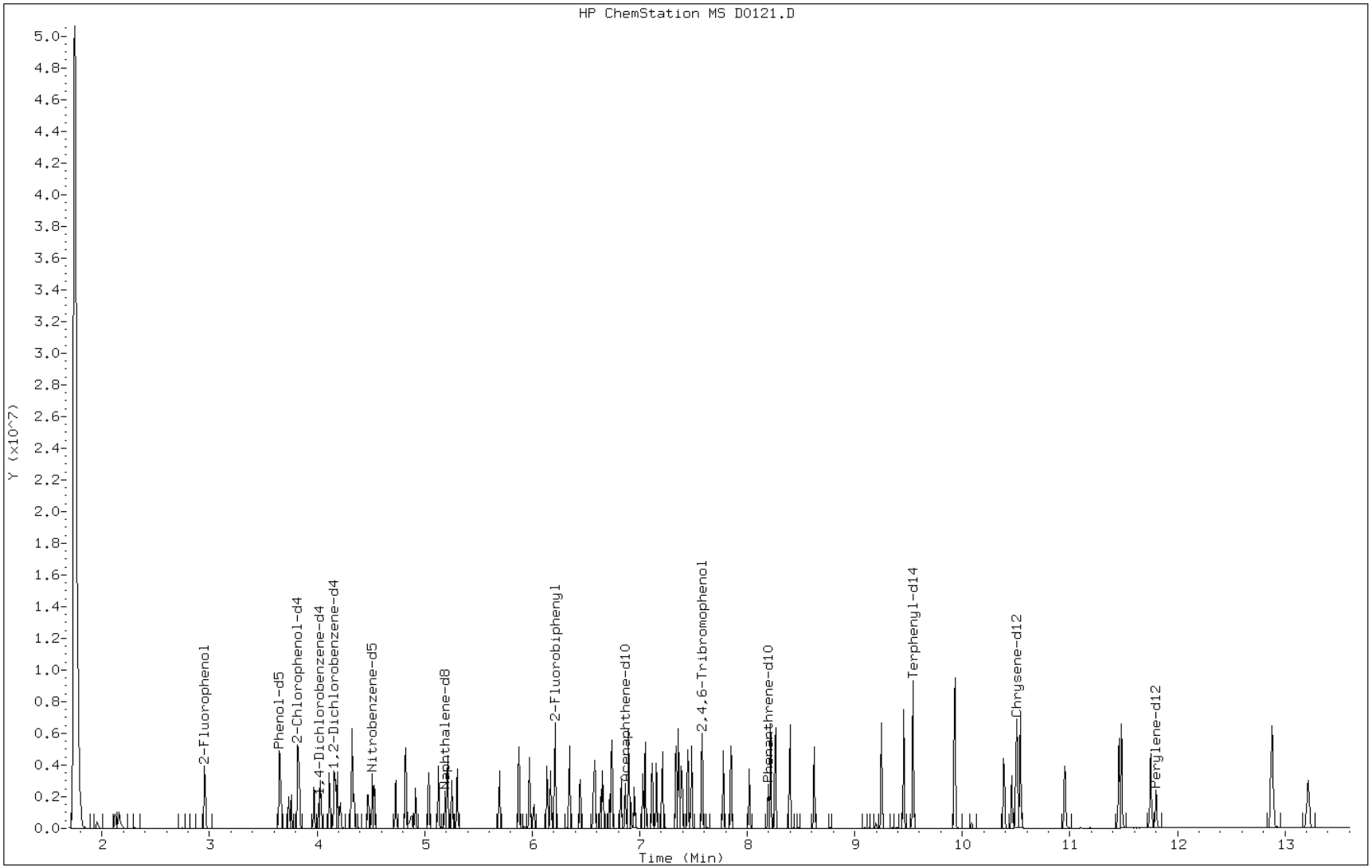
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: D0121.D

Date: 18-APR-2012 15:58

Client ID: Instrument: D.i

Sample Info: lcsd280-114056_3-a Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA MS | Lab Sample ID: 280-27123-3 MS

Matrix: Solid | Lab File ID: D0143.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.7(g) | Date Analyzed: 04/18/2012 22:47

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

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	48	U	480	48	73
95-94-3	1,2,4,5-Tetrachlorobenzene	98	U	480	98	72
120-82-1	1,2,4-Trichlorobenzene	2960		480	48	41
95-50-1	1,2-Dichlorobenzene	2830		480	48	32
122-66-7	1,2-Diphenylhydrazine	3290		480	48	32
541-73-1	1,3-Dichlorobenzene	2620		480	48	18
106-46-7	1,4-Dichlorobenzene	2710		480	48	20
108-60-1	2,2'-oxybis[1-chloropropane]	2890		480	48	34
58-90-2	2,3,4,6-Tetrachlorophenol	3650		2300	48	200
95-95-4	2,4,5-Trichlorophenol	3690		480	190	15
88-06-2	2,4,6-Trichlorophenol	3430		480	97	15
120-83-2	2,4-Dichlorophenol	3550		480	97	15
105-67-9	2,4-Dimethylphenol	3410		480	190	97
51-28-5	2,4-Dinitrophenol	2460		2300	980	490
121-14-2	2,4-Dinitrotoluene	3350		480	190	97
87-65-0	2,6-Dichlorophenol	190	U	480	190	100
606-20-2	2,6-Dinitrotoluene	3260		480	97	41
91-58-7	2-Chloronaphthalene	3220		480	48	15
95-57-8	2-Chlorophenol	3240		480	48	31
91-57-6	2-Methylnaphthalene	3080		480	48	28
95-48-7	2-Methylphenol	3260		480	48	19
88-74-4	2-Nitroaniline	3840		2300	97	73
88-75-5	2-Nitrophenol	3300		480	97	15
15831-10-4	3 & 4 Methylphenol	6960		480	97	48
91-94-1	3,3'-Dichlorobenzidine	480	U J	2300	480	130
99-09-2	3-Nitroaniline	1470	J	2300	190	110
534-52-1	4,6-Dinitro-2-methylphenol	2370		2300	970	480
101-55-3	4-Bromophenyl phenyl ether	3340		480	48	28
59-50-7	4-Chloro-3-methylphenol	3610		480	190	97
106-47-8	4-Chloroaniline	656		480	190	120
7005-72-3	4-Chlorophenyl phenyl ether	3300		480	97	31
100-01-6	4-Nitroaniline	1410	J	2300	190	110
100-02-7	4-Nitrophenol	3780		2300	480	140
83-32-9	Acenaphthene	3250		480	25	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA MS | Lab Sample ID: 280-27123-3 MS

Matrix: Solid | Lab File ID: D0143.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.7(g) | Date Analyzed: 04/18/2012 22:47

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

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	3280		480	48	25
98-86-2	Acetophenone	48	U	480	48	29
120-12-7	Anthracene	3300		480	48	25
1912-24-9	Atrazine	190	U	480	190	54
100-52-7	Benzaldehyde	76.6	J	480	98	57
92-87-5	Benzidine	5800	U	5800	5800	1400
56-55-3	Benzo[a]anthracene	3320		480	48	29
50-32-8	Benzo[a]pyrene	2800		480	48	29
205-99-2	Benzo[b]fluoranthene	3350		480	48	38
191-24-2	Benzo[g,h,i]perylene	3410		480	48	23
207-08-9	Benzo[k]fluoranthene	3070		480	97	58
65-85-0	Benzoic acid	4780		2300	970	480
100-51-6	Benzyl alcohol	3540		480	48	15
111-91-1	Bis(2-chloroethoxy)methane	3090		480	97	34
111-44-4	Bis(2-chloroethyl)ether	3180		480	48	24
117-81-7	Bis(2-ethylhexyl) phthalate	3540		480	97	67
85-68-7	Butyl benzyl phthalate	3270		480	97	63
105-60-2	Caprolactam	445	J	2300	480	150
86-74-8	Carbazole	3170		480	98	53
218-01-9	Chrysene	3410		480	48	39
53-70-3	Dibenz(a,h)anthracene	2350		480	48	28
132-64-9	Dibenzofuran	3370		480	48	29
84-66-2	Diethyl phthalate	3440		970	48	38
131-11-3	Dimethyl phthalate	3310		480	48	34
84-74-2	Di-n-butyl phthalate	3740		480	48	42
117-84-0	Di-n-octyl phthalate	3730		480	97	21
206-44-0	Fluoranthene	3730		480	97	53
86-73-7	Fluorene	3380		480	48	26
118-74-1	Hexachlorobenzene	3280		480	97	42
87-68-3	Hexachlorobutadiene	2950		480	97	15
77-47-4	Hexachlorocyclopentadiene	1020	J	2500	97	73
67-72-1	Hexachloroethane	2250		480	48	31
193-39-5	Indeno[1,2,3-cd]pyrene	3040		480	48	32
78-59-1	Isophorone	3180		480	48	25

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA MS | Lab Sample ID: 280-27123-3 MS

Matrix: Solid | Lab File ID: D0143.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.7(g) | Date Analyzed: 04/18/2012 22:47

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

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	3040		480	97	45
98-95-3	Nitrobenzene	3050		480	48	32
62-75-9	N-Nitrosodimethylamine	2680		760	97	54
621-64-7	N-Nitrosodi-n-propylamine	3220		480	97	45
86-30-6	N-Nitrosodiphenylamine	2670		480	48	31
930-55-2	N-Nitrosopyrrolidine	190	U	480	190	94
87-86-5	Pentachlorophenol	3630		2300	980	480
85-01-8	Phenanthrene	3520		480	48	25
108-95-2	Phenol	3230		480	48	26
129-00-0	Pyrene	3330		580	48	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	93		35-125
321-60-8	2-Fluorobiphenyl	79		45-105
367-12-4	2-Fluorophenol (Surr)	81		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	78		35-100
4165-62-2	Phenol-d5 (Surr)	84		40-100
1718-51-0	Terphenyl-d14 (Surr)	84		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0143.D
Lab Smp Id: 280-27123-A-3-E MS Client Smp ID: UNK10301AA
Inj Date : 18-APR-2012 22:47
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-3-ems
Misc Info : 280-27123-A-3-E MS
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 29 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	31.700	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.018	4.020	(1.000)	235575	40.0000	
* 58 Naphthalene-d8	136	5.193	5.190	(1.000)	861141	40.0000	
* 96 Acenaphthene-d10	164	6.865	6.867	(1.000)	548777	40.0000	
* 135 Phenanthrene-d10	188	8.195	8.198	(1.000)	1002954	40.0000	
* 166 Chrysene-d12	240	10.492	10.521	(1.000)	1274487	40.0000	
* 179 Perylene-d12	264	11.753	11.819	(1.000)	1121388	40.0000	
$ 8 2-Fluorophenol	112	2.960	2.953	(0.737)	942908	121.986	3848.13
$ 15 Phenol-d5	99	3.654	3.653	(0.910)	1258127	126.109	3978.21
$ 43 Nitrobenzene-d5	82	4.514	4.513	(0.869)	802398	78.1335	2464.78
$ 81 2-Fluorobiphenyl	172	6.213	6.212	(0.905)	1588762	79.4492	2506.28
$ 118 2,4,6-Tribromophenol	330	7.581	7.585	(1.104)	445147	139.308	4394.58
$ 154 Terphenyl-d14	244	9.536	9.546	(0.909)	2159069	83.7580	2642.21
$ 29 1,2-Dichlorobenzene-d4	152	4.157	4.161	(1.035)	438263	70.4338	2221.89
$ 22 2-Chlorophenol-d4	132	3.825	3.824	(0.952)	1016100	122.913	3877.38
4 1,4-Dioxane	88	1.950	1.954	(0.485)	102181	28.0694	885.471
5 N-Nitrosodimethylamine	74	2.116	2.120	(0.527)	290089	54.9902	1734.71
6 Pyridine	79	2.153	2.157	(0.536)	208464	22.3894	706.291(R)
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	2.960	2.852	(0.737)	11942	4.59654	145.001(aQ)
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	3.435	3.349	(0.855)	12811	1.96654	62.0358(aQ)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14 Benzaldehyde	106	3.761	3.659	(0.936)	7518	1.57139	49.5706(aQ)
16 Phenol	94	3.665	3.664	(0.912)	680105	66.3577	2093.30
18 Aniline	93	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
24 Pentachloroethane	117	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	3.761	3.760	(0.936)	572250	65.1588	2055.48
23 2-Chlorophenol	128	3.836	3.835	(0.955)	551106	66.5007	2097.81
25 1,3-Dichlorobenzene	146	3.970	3.974	(0.988)	519972	53.6676	1692.98
27 1,4-Dichlorobenzene	146	4.034	4.033	(1.004)	545639	55.6042	1754.08
30 1,2-Dichlorobenzene	146	4.173	4.171	(1.039)	543032	58.0291	1830.57
28 Benzyl alcohol	108	4.114	4.113	(1.024)	374901	72.6216	2290.90
32 2-Methylphenol	108	4.189	4.187	(1.043)	503743	66.8930	2110.19
34 2,2'-oxybis(1-chloropropane)	45	4.215	4.214	(1.049)	374538	59.3544	1872.38
35 1H-Indene	116	Compound Not Detected.					
138 3-Methylphenol	108	4.327	4.326	(1.077)	1093223	142.802	4504.78
36 4-Methylphenol	108	4.327	4.326	(1.077)	1093223	142.802	4504.78
139 3 & 4-Methylphenol	108	4.327	4.326	(1.077)	1093223	142.802	4504.78
39 N-Nitrosopyrrolidine	100	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
40 N-Nitrosomorpholine	116	Compound Not Detected.					
42 o-Toluidine	106	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	4.338	4.342	(1.080)	417288	66.0465	2083.48
41 Hexachloroethane	117	4.472	4.476	(1.113)	194467	46.2129	1457.82
44 Nitrobenzene	77	4.530	4.535	(0.872)	643030	62.6246	1975.54
46 N-Nitrosopiperidine	114	Compound Not Detected.					
47 Isophorone	82	4.728	4.732	(0.911)	1056639	65.3431	2061.30
49 2-Nitrophenol	139	4.824	4.823	(0.929)	297857	67.7161	2136.15
51 O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50 2,4-Dimethylphenol	107	4.824	4.823	(0.929)	623254	69.9125	2205.44
52 Bis(2-chloroethoxy)methane	93	4.915	4.914	(0.947)	606244	63.3039	1996.97
53 Benzoic acid	122	4.894	4.887	(0.942)	395155	98.1631	3096.63(R)
55 a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54 2,4-Dichlorophenol	162	5.038	5.037	(0.970)	501346	72.7333	2294.42
57 1,2,4-Trichlorobenzene	180	5.129	5.128	(0.988)	520443	60.7228	1915.55
61 2,6-Dichlorophenol	162	Compound Not Detected.					
63 Hexachloropropene	213	Compound Not Detected.					
59 Naphthalene	128	5.214	5.213	(1.004)	1513294	62.4646	1970.49
60 4-Chloroaniline	127	5.257	5.256	(1.012)	131884	13.4654	424.776
62 Hexachlorobutadiene	225	5.305	5.304	(1.022)	360230	60.4795	1907.87
64 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66 p-Phenylenediamine	108	5.695	5.598	(1.097)	42626	4.60158	145.160(aQ)
67 Caprolactam	55	5.700	5.587	(1.098)	19860	9.12766	287.939(a)
70 Safrole	162	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	5.695	5.699	(1.097)	506583	74.0856	2337.08
71 2-Methylnaphthalene	142	5.877	5.876	(1.132)	1044187	63.2305	1994.65
72 1-Methylnaphthalene	142	5.973	5.977	(1.150)	1000536	66.0973	2085.09
75 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	6.016	6.014	(0.876)	142573	20.9554	661.054(R)
76 Isosafrole (#1)	162	6.138	6.057	(0.894)	33753	5.31618	167.703(aQ)
84 Isosafrole (#2)	104	6.283	6.271	(0.915)	1702	0.35281	11.1296(aQ)
87 1-Chloronaphthalene	162	6.347	6.372	(0.925)	1093058	66.5390	2099.02
86 2-Chloronaphthalene	162	6.347	6.351	(0.925)	1093058	65.9649	2080.91
78 2,4,6-Trichlorophenol	196	6.138	6.143	(0.894)	407599	70.4423	2222.16
80 2,4,5-Trichlorophenol	196	6.176	6.175	(0.900)	444021	75.6063	2385.06
85 Biphenyl	154	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	6.448	6.447	(0.939)	380072	78.7899	2485.48
90 1,4-Dinitrobenzene	168	6.571	6.570	(0.957)	176418	65.2197	2057.40
92 1,3-Dinitrobenzene	168	6.641	6.639	(0.967)	200908	69.7383	2199.95
91 Dimethyl phthalate	163	6.582	6.581	(0.959)	1266037	67.9126	2142.35
93 2,6-Dinitrotoluene	165	6.657	6.661	(0.970)	295360	66.9448	2111.82
94 Acenaphthylene	152	6.742	6.741	(0.982)	1760317	67.3913	2125.91
95 3-Nitroaniline	138	6.828	6.826	(0.995)	128514	30.0564	948.150
97 Acenaphthene	153	6.897	6.896	(1.005)	1097293	66.6061	2101.14
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	6.913	6.917	(1.007)	122664	50.5491	1594.61
99 4-Nitrophenol	109	6.956	6.955	(1.013)	279502	77.5401	2446.06
101 2,4-Dinitrotoluene	165	7.031	7.029	(1.024)	381744	68.6402	2165.30
102 Dibenzofuran	168	7.052	7.051	(1.027)	1628829	69.2321	2183.98
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	7.153	7.157	(1.042)	377150	74.9403	2364.05
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	7.153	7.286	(1.042)	64560	14.5804	459.949(Q)
107 Diethyl phthalate	149	7.212	7.211	(1.051)	1309758	70.4965	2223.86
111 5-Nitro-o-toluidine	152	7.372	7.371	(1.074)	2356	4.31578	136.144(aQ)
110 Fluorene	166	7.362	7.361	(1.072)	1380184	69.2996	2186.11
109 4-Chlorophenyl phenyl ether	204	7.340	7.339	(1.069)	691129	67.6934	2135.44
112 4-Nitroaniline	138	7.383	7.387	(1.075)	121262	28.9423	913.006
113 4,6-Dinitro-2-methylphenol	198	7.394	7.398	(0.902)	177331	48.6295	1534.05
115 N-nitrosodiphenylamine	169	7.447	7.451	(0.909)	929992	54.8808	1731.25
114 Diphenylamine	169	7.447	7.446	(1.085)	929992	55.3620	1746.43
116 Azobenzene	77	7.479	7.484	(1.089)	1508723	66.7046	2104.24
234 1,2-DPH(as Azobenzene)	77	7.479	7.484	(1.089)	1508723	67.4366	2127.34
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	7.848	7.676	(0.958)	6146	9.07051	286.136(aQ)
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	7.720	7.708	(0.942)	3157	4.23428	133.573(aQ)
119 Diallate (#1)	86	7.698	7.676	(0.939)	1561	0.18379	5.79786(a)
123 Diallate (#2)	86	7.773	7.761	(0.949)	3533	0.85621	27.0097(a)
124 4-Bromophenyl phenyl ether	248	7.778	7.777	(0.949)	436757	68.4288	2158.64
125 Hexachlorobenzene	284	7.848	7.852	(0.958)	467998	67.2823	2122.47
126 Dimethoate	87	7.885	7.857	(0.962)	25063	5.62653	177.493(a)
127 Atrazine	200	Compound Not Detected.					
130 4-Aminobiphenyl	169	8.019	8.018	(0.978)	51384	7.40488	233.592(aQ)
131 Pentachloronitrobenzene	237	8.019	8.028	(0.978)	16662	8.18047	258.059(aQ)
132 Pronamide	173	8.024	8.028	(0.979)	1495	4.30990	135.959(aQ)
129 Pentachlorophenol	266	8.019	8.018	(0.978)	328996	74.5702	2352.37
134 2-secbutyl-4,6-dinitropheno	211	8.126	8.151	(0.992)	711	9.60654	303.045(aQ)
133 Disulfoton	88	8.195	8.146	(1.000)	15891	1.80569	56.9620(aQ)
136 Phenanthrene	178	8.217	8.221	(1.003)	2077453	72.2857	2280.30
137 Anthracene	178	8.265	8.263	(1.008)	1938391	67.7111	2136.00
140 Carbazole	167	8.398	8.402	(1.025)	1707146	65.0343	2051.56
141 Alachlor	188	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	8.623	8.627	(1.052)	2240183	76.8176	2423.27
145 Parathion	109	8.751	8.803	(1.068)	8210	2.12516	67.0398(aQ)
146 4-Nitroquinoline-1-oxide	190	8.927	8.899	(1.089)	1336	9.15075	288.667(aQ)
147 Methapyrilene	97	9.002	8.904	(1.098)	33808	4.92179	155.262(aQ)
148 Isodrin	193	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149	Fluoranthene	202	9.248	9.252	(1.128)	2508426	76.4599	2411.98
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.451	9.460	(0.901)	2455924	68.3199	2155.20
153	Aramite (#1)	185	9.493	9.481	(0.905)	2235	0.89210	28.1418(a)
155	Aramite (#2)	185	9.536	9.545	(0.909)	12235	2.72341	85.9121(a)
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	9.696	9.690	(0.924)	551	5.59646	176.544(aQ)
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	9.921	9.941	(0.946)	1043237	67.0140	2114.01
161	2-Acetylaminofluorene	181	10.231	10.213	(0.975)	7993	9.76130	307.928(a)
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	10.364	10.406	(0.988)	1369238	72.7124	2293.76(H)
165	Benzo(a)anthracene	228	10.482	10.518	(0.999)	2469651	68.1934	2151.21(H)
167	Chrysene	228	10.519	10.555	(1.003)	2328051	69.8856	2204.59
168	Di-n-octyl phthalate	149	10.914	10.977	(1.040)	2278392	76.5362	2414.39(H)
170	Hexachlorophene	196	11.555	11.546	(1.101)	1079		(aQ)
171	Benzo(b)fluoranthene	252	11.416	11.490	(0.971)	2752612	68.6451	2165.46(H)
172	Benzo(k)fluoranthene	252	11.438	11.511	(0.973)	2486445	62.9602	1986.13
176	7,12-Dimethylbenz(a)anthrac	256	11.486	11.479	(0.977)	854	7.57530	238.968(aQ)
178	Benzo(a)pyrene	252	11.705	11.784	(0.996)	2092078	57.3740	1809.91(H)
181	3-Methylcholanthrene	268	12.100	12.094	(1.030)	2486	7.41943	234.051(aQ)
184	Dibenz(a,j)acridine	279	12.720	12.703	(1.082)	2162	4.10125	129.377(aQ)
186	Indeno(1,2,3-cd)pyrene	276	12.832	12.922	(1.223)	2621163	62.3567	1967.09(H)
185	Dibenz(a,h)anthracene	278	12.827	12.916	(1.091)	1902156	48.2365	1521.66(H)
188	Benzo(g,h,i)perylene	276	13.169	13.258	(1.120)	2208964	69.9711	2207.29
M 173	Total Isosafrole	162				35455	5.66899	178.832(a)
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185				14470	3.61551	114.054(a)

QC Flag Legend

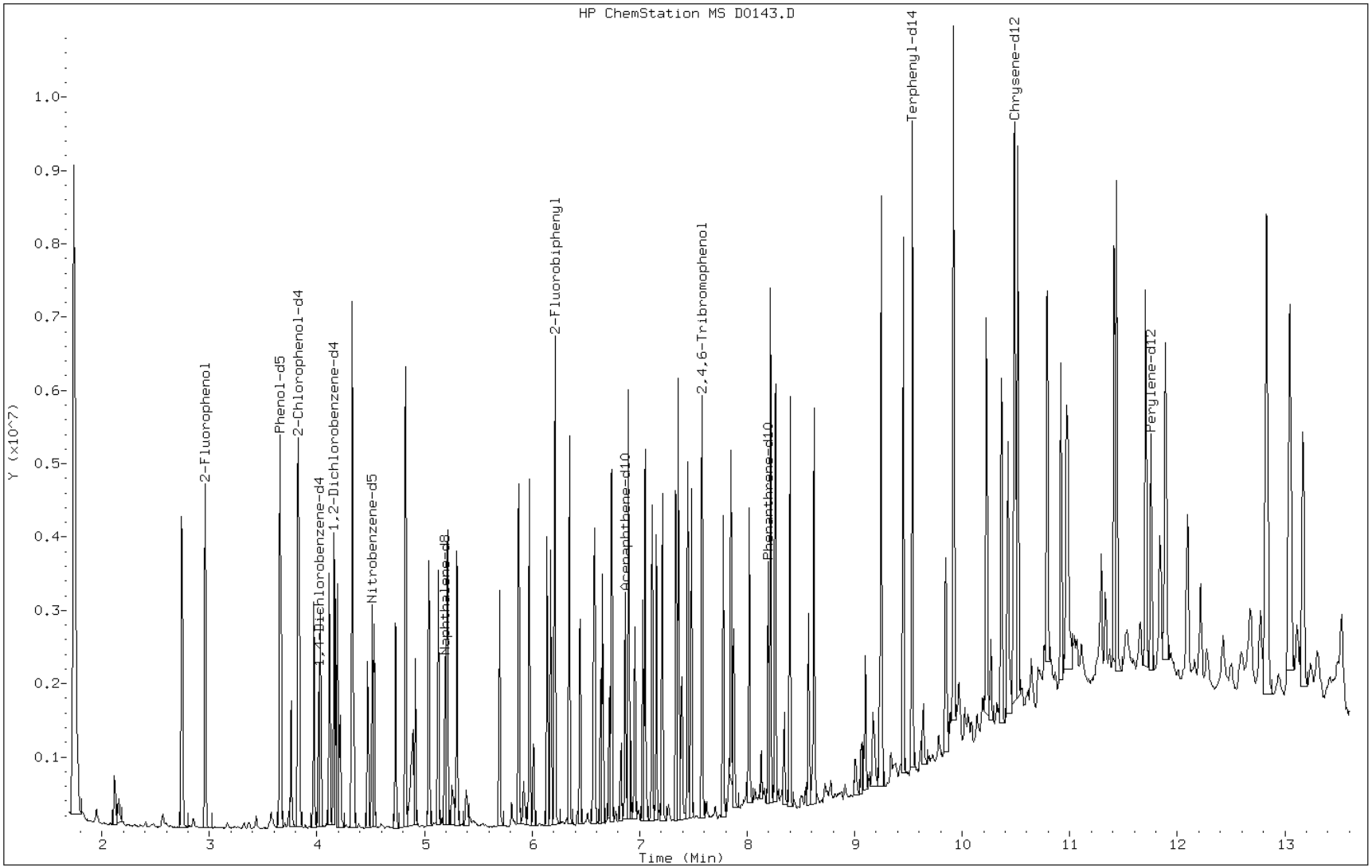
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: D0143.D

Date: 18-APR-2012 22:47

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-ems Operator: hoffmanm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA MSD | Lab Sample ID: 280-27123-3 MSD

Matrix: Solid | Lab File ID: D0144.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.7(g) | Date Analyzed: 04/18/2012 23:06

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

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	48	U	480	48	73
95-94-3	1,2,4,5-Tetrachlorobenzene	98	U	480	98	72
120-82-1	1,2,4-Trichlorobenzene	3020		480	48	41
95-50-1	1,2-Dichlorobenzene	2610		480	48	32
122-66-7	1,2-Diphenylhydrazine	3510		480	48	32
541-73-1	1,3-Dichlorobenzene	2450		480	48	18
106-46-7	1,4-Dichlorobenzene	2530		480	48	20
108-60-1	2,2'-oxybis[1-chloropropane]	2860		480	48	34
58-90-2	2,3,4,6-Tetrachlorophenol	3900		2300	48	200
95-95-4	2,4,5-Trichlorophenol	3860		480	190	15
88-06-2	2,4,6-Trichlorophenol	3710		480	97	15
120-83-2	2,4-Dichlorophenol	3650		480	97	15
105-67-9	2,4-Dimethylphenol	3650		480	190	97
51-28-5	2,4-Dinitrophenol	2660		2300	980	490
121-14-2	2,4-Dinitrotoluene	3560		480	190	97
87-65-0	2,6-Dichlorophenol	190	U	480	190	100
606-20-2	2,6-Dinitrotoluene	3460		480	97	41
91-58-7	2-Chloronaphthalene	3330		480	48	15
95-57-8	2-Chlorophenol	3300		480	48	31
91-57-6	2-Methylnaphthalene	3210		480	48	28
95-48-7	2-Methylphenol	3420		480	48	19
88-74-4	2-Nitroaniline	3990		2300	97	73
88-75-5	2-Nitrophenol	3360		480	97	15
15831-10-4	3 & 4 Methylphenol	7360		480	97	48
91-94-1	3,3'-Dichlorobenzidine	480	U J	2300	480	130
99-09-2	3-Nitroaniline	1270	J	2300	190	110
534-52-1	4,6-Dinitro-2-methylphenol	2580		2300	970	480
101-55-3	4-Bromophenyl phenyl ether	3630		480	48	28
59-50-7	4-Chloro-3-methylphenol	3820		480	190	97
106-47-8	4-Chloroaniline	529		480	190	120
7005-72-3	4-Chlorophenyl phenyl ether	3540		480	97	31
100-01-6	4-Nitroaniline	1080	J	2300	190	110
100-02-7	4-Nitrophenol	3950		2300	480	140
83-32-9	Acenaphthene	3480		480	25	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA MSD | Lab Sample ID: 280-27123-3 MSD

Matrix: Solid | Lab File ID: D0144.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.7(g) | Date Analyzed: 04/18/2012 23:06

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

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	3530		480	48	25
98-86-2	Acetophenone	48	U	480	48	29
120-12-7	Anthracene	3620		480	48	25
1912-24-9	Atrazine	190	U	480	190	54
100-52-7	Benzaldehyde	73.3	J	480	98	57
92-87-5	Benzidine	5800	U	5800	5800	1400
56-55-3	Benzo[a]anthracene	3640		480	48	29
50-32-8	Benzo[a]pyrene	3050		480	48	29
205-99-2	Benzo[b]fluoranthene	3290		480	48	38
191-24-2	Benzo[g,h,i]perylene	3780		480	48	23
207-08-9	Benzo[k]fluoranthene	3730		480	97	58
65-85-0	Benzoic acid	5160		2300	970	480
100-51-6	Benzyl alcohol	3660		480	48	15
111-91-1	Bis(2-chloroethoxy)methane	3190		480	97	34
111-44-4	Bis(2-chloroethyl)ether	2780		480	48	24
117-81-7	Bis(2-ethylhexyl) phthalate	3850		480	97	67
85-68-7	Butyl benzyl phthalate	3520		480	97	63
105-60-2	Caprolactam	413	J	2300	480	150
86-74-8	Carbazole	3500		480	98	53
218-01-9	Chrysene	3710		480	48	39
53-70-3	Dibenz(a,h)anthracene	2510		480	48	28
132-64-9	Dibenzofuran	3670		480	48	29
84-66-2	Diethyl phthalate	3640		970	48	38
131-11-3	Dimethyl phthalate	3560		480	48	34
84-74-2	Di-n-butyl phthalate	4090		480	48	42
117-84-0	Di-n-octyl phthalate	3970		480	97	21
206-44-0	Fluoranthene	4200		480	97	53
86-73-7	Fluorene	3590		480	48	26
118-74-1	Hexachlorobenzene	3570		480	97	42
87-68-3	Hexachlorobutadiene	2980		480	97	15
77-47-4	Hexachlorocyclopentadiene	1380	J	2500	97	73
67-72-1	Hexachloroethane	2210		480	48	31
193-39-5	Indeno[1,2,3-cd]pyrene	3350		480	48	32
78-59-1	Isophorone	3260		480	48	25

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA MSD | Lab Sample ID: 280-27123-3 MSD

Matrix: Solid | Lab File ID: D0144.D

Analysis Method: 8270D/DoD | Date Collected: 03/27/2012 10:45

Extract. Method: 3550C | Date Extracted: 03/31/2012 13:17

Sample wt/vol: 31.7(g) | Date Analyzed: 04/18/2012 23:06

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

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

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 116156 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	3110		480	97	45
98-95-3	Nitrobenzene	3030		480	48	32
62-75-9	N-Nitrosodimethylamine	2510		760	97	54
621-64-7	N-Nitrosodi-n-propylamine	3210		480	97	45
86-30-6	N-Nitrosodiphenylamine	2910		480	48	31
930-55-2	N-Nitrosopyrrolidine	190	U	480	190	94
87-86-5	Pentachlorophenol	3820		2300	980	480
85-01-8	Phenanthrene	3920		480	48	25
108-95-2	Phenol	3370		480	48	26
129-00-0	Pyrene	3670		580	48	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	99		35-125
321-60-8	2-Fluorobiphenyl	87		45-105
367-12-4	2-Fluorophenol (Surr)	82		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	78		35-100
4165-62-2	Phenol-d5 (Surr)	88		40-100
1718-51-0	Terphenyl-d14 (Surr)	92		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\D0144.D
Lab Smp Id: 280-27123-A-3-F MSD Client Smp ID: UNK10301AA
Inj Date : 18-APR-2012 23:06
Operator : hoffmanm Inst ID: D.i
Smp Info : 280-27123-a-3-fmsd
Misc Info : 280-27123-A-3-F MSD
Comment :
Method : \\DenSvr03\Public\chem\MSS\D.i\041812s.b\8270C.m
Meth Date : 19-Apr-2012 08:32 hoffmanm Quant Type: ISTD
Cal Date : 18-APR-2012 12:26 Cal File: D0110.D
Als bottle: 30 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Q3-HAB.sub
Target Version: 4.14
Processing Host: DENPC246

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	31.700	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.017	4.020	(1.000)	241607	40.0000	
* 58 Naphthalene-d8	136	5.193	5.190	(1.000)	874723	40.0000	
* 96 Acenaphthene-d10	164	6.865	6.867	(1.000)	556815	40.0000	
* 135 Phenanthrene-d10	188	8.195	8.198	(1.000)	998185	40.0000	
* 166 Chrysene-d12	240	10.503	10.521	(1.000)	1294648	40.0000	
* 179 Perylene-d12	264	11.769	11.819	(1.000)	1156171	40.0000	
$ 8 2-Fluorophenol	112	2.960	2.953	(0.737)	978152	123.386	3892.30
$ 15 Phenol-d5	99	3.654	3.653	(0.910)	1352153	132.150	4168.77
$ 43 Nitrobenzene-d5	82	4.514	4.513	(0.869)	817629	78.3804	2472.57
$ 81 2-Fluorobiphenyl	172	6.213	6.212	(0.905)	1757720	86.6294	2732.79
$ 118 2,4,6-Tribromophenol	330	7.581	7.585	(1.104)	489212	149.201	4706.66
$ 154 Terphenyl-d14	244	9.541	9.546	(0.908)	2410003	92.0367	2903.36
$ 29 1,2-Dichlorobenzene-d4	152	4.156	4.161	(1.035)	430309	67.4290	2127.10
$ 22 2-Chlorophenol-d4	132	3.825	3.824	(0.952)	1068849	126.066	3976.84
4 1,4-Dioxane	88	1.950	1.954	(0.485)	87332	23.3914	737.899
5 N-Nitrosodimethylamine	74	2.116	2.120	(0.527)	278873	51.5442	1626.00
6 Pyridine	79	2.158	2.157	(0.537)	245841	25.7446	812.132(R)
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	2.960	2.852	(0.737)	11547	4.33354	136.705(aQ)
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	3.435	3.349	(0.855)	16476	2.46598	77.7913(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
14 Benzaldehyde	106	3.761	3.659	(0.936)	7381	1.50423	47.4522(aQ)
16 Phenol	94	3.665	3.664	(0.912)	727313	69.1921	2182.72
18 Aniline	93	3.740	3.739	(0.931)	61592	4.80636	151.620(aQR)
19 Methyl Styrene	118	Compound Not Detected.					
24 Pentachloroethane	117	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	3.761	3.760	(0.936)	513677	57.0291	1799.03
23 2-Chlorophenol	128	3.836	3.835	(0.955)	575812	67.7472	2137.13
25 1,3-Dichlorobenzene	146	3.969	3.974	(0.988)	498968	50.2140	1584.04
27 1,4-Dichlorobenzene	146	4.033	4.033	(1.004)	522728	51.9395	1638.47
30 1,2-Dichlorobenzene	146	4.172	4.171	(1.039)	513428	53.4958	1687.56
28 Benzyl alcohol	108	4.113	4.113	(1.024)	397592	75.0942	2368.90
32 2-Methylphenol	108	4.194	4.187	(1.044)	542019	70.1788	2213.84
34 2,2'-oxybis(1-chloropropane)	45	4.215	4.214	(1.049)	379474	58.6352	1849.69
35 1H-Indene	116	Compound Not Detected.					
138 3-Methylphenol	108	4.327	4.326	(1.077)	1184965	150.921	4760.91
36 4-Methylphenol	108	4.327	4.326	(1.077)	1184965	150.921	4760.91
139 3 & 4-Methylphenol	108	4.327	4.326	(1.077)	1184965	150.921	4760.91
39 N-Nitrosopyrrolidine	100	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
40 N-Nitrosomorpholine	116	Compound Not Detected.					
42 o-Toluidine	106	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	4.343	4.342	(1.081)	426687	65.8481	2077.23
41 Hexachloroethane	117	4.471	4.476	(1.113)	195459	45.2890	1428.67
44 Nitrobenzene	77	4.530	4.535	(0.872)	648650	62.1910	1961.86
46 N-Nitrosopiperidine	114	Compound Not Detected.					
47 Isophorone	82	4.733	4.732	(0.912)	1099492	66.9374	2111.59
49 2-Nitrophenol	139	4.824	4.823	(0.929)	308448	69.0351	2177.76
51 O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50 2,4-Dimethylphenol	107	4.824	4.823	(0.929)	678046	74.8778	2362.07
52 Bis(2-chloroethoxy)methane	93	4.915	4.914	(0.947)	636936	65.4761	2065.49
53 Benzoic acid	122	4.899	4.887	(0.943)	432803	105.846	3338.99(R)
55 a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54 2,4-Dichlorophenol	162	5.038	5.037	(0.970)	523850	74.8181	2360.19
57 1,2,4-Trichlorobenzene	180	5.128	5.128	(0.988)	540215	62.0511	1957.45
61 2,6-Dichlorophenol	162	Compound Not Detected.					
63 Hexachloropropene	213	Compound Not Detected.					
59 Naphthalene	128	5.214	5.213	(1.004)	1571413	63.8564	2014.40
60 4-Chloroaniline	127	5.257	5.256	(1.012)	108023	10.8579	342.522
62 Hexachlorobutadiene	225	5.305	5.304	(1.022)	369478	61.0690	1926.46
64 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66 p-Phenylenediamine	108	5.700	5.598	(1.098)	44861	4.76766	150.399(aQ)
67 Caprolactam	55	5.700	5.587	(1.098)	18740	8.47918	267.482(a)
70 Safrole	162	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	5.700	5.699	(1.098)	544350	78.3728	2472.33
71 2-Methylnaphthalene	142	5.876	5.876	(1.132)	1103604	65.7908	2075.42
72 1-Methylnaphthalene	142	5.973	5.977	(1.150)	1069357	69.5469	2193.91
75 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	6.015	6.014	(0.876)	195646	28.3410	894.037
76 Isosafrole (#1)	162	6.138	6.057	(0.894)	36299	5.63465	177.749(aQ)
84 Isosafrole (#2)	104	6.282	6.271	(0.915)	2126	0.43434	13.7016(aQ)
87 1-Chloronaphthalene	162	6.346	6.372	(0.925)	1149334	68.9548	2175.23
86 2-Chloronaphthalene	162	6.346	6.351	(0.925)	1149334	68.3599	2156.46
78 2,4,6-Trichlorophenol	196	6.138	6.143	(0.894)	446600	76.0684	2399.63
80 2,4,5-Trichlorophenol	196	6.176	6.175	(0.900)	471600	79.1431	2496.63
85 Biphenyl	154	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
89	1,4-Naphthoquinone	158	Compound Not Detected.					
88	2-Nitroaniline	65	6.448	6.447	(0.939)	400499	81.8260	2581.26
90	1,4-Dinitrobenzene	168	6.571	6.570	(0.957)	195927	70.9954	2239.60
92	1,3-Dinitrobenzene	168	6.640	6.639	(0.967)	213224	72.9450	2301.10
91	Dimethyl phthalate	163	6.582	6.581	(0.959)	1383193	73.1260	2306.81
93	2,6-Dinitrotoluene	165	6.656	6.661	(0.970)	318032	71.0429	2241.10
94	Acenaphthylene	152	6.742	6.741	(0.982)	1921406	72.4965	2286.96
95	3-Nitroaniline	138	6.827	6.826	(0.995)	113230	26.0995	823.329
97	Acenaphthene	153	6.897	6.896	(1.005)	1194824	71.4793	2254.87
100	Pentachlorobenzene	250	Compound Not Detected.					
98	2,4-Dinitrophenol	184	6.918	6.917	(1.008)	136621	54.6511	1724.01
99	4-Nitrophenol	109	6.955	6.955	(1.013)	296160	80.9753	2554.43
101	2,4-Dinitrotoluene	165	7.030	7.029	(1.024)	411649	72.9488	2301.22
102	Dibenzofuran	168	7.052	7.051	(1.027)	1795354	75.2086	2372.51
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	7.158	7.157	(1.043)	412060	80.0210	2524.32
106	2-Naphthylamine	143	Compound Not Detected.					
108	Thionazin	97	7.153	7.286	(1.042)	69909	15.5605	490.868(Q)
107	Diethyl phthalate	149	7.212	7.211	(1.051)	1406768	74.6250	2354.10
111	5-Nitro-o-toluidine	152	7.377	7.371	(1.075)	2219	4.28544	135.187(aQ)
110	Fluorene	166	7.361	7.361	(1.072)	1488912	73.6796	2324.28
109	4-Chlorophenyl phenyl ether	204	7.340	7.339	(1.069)	751637	72.5571	2288.87
112	4-Nitroaniline	138	7.383	7.387	(1.075)	94185	22.1552	698.901(R)
113	4,6-Dinitro-2-methylphenol	198	7.394	7.398	(0.902)	192003	52.9045	1668.91
115	N-nitrosodiphenylamine	169	7.447	7.451	(0.909)	1008608	59.8044	1886.58
114	Diphenylamine	169	7.447	7.446	(1.085)	1008608	59.1752	1866.72
116	Azobenzene	77	7.484	7.484	(1.090)	1635957	71.2858	2248.76
234	1,2-DPH(as Azobenzene)	77	7.484	7.484	(1.090)	1635957	72.0681	2273.44
117	Sulfotepp	97	7.468	7.537	(0.911)	7248	1.88835	59.5695(a)
120	1,3,5-Trinitrobenzene	213	7.848	7.676	(0.958)	6927	9.43449	297.618(aQ)
121	Phorate	121	7.794	7.692	(0.951)	6241	1.80887	57.0620(aQ)
122	Phenacetin	108	7.698	7.708	(0.939)	3059	4.22606	133.314(aQ)
119	Diallate (#1)	86	7.698	7.676	(0.939)	1140	0.13486	4.25441(a)
123	Diallate (#2)	86	7.778	7.761	(0.949)	4479	1.09065	34.4055(a)
124	4-Bromophenyl phenyl ether	248	7.778	7.777	(0.949)	472675	74.4101	2347.32
125	Hexachlorobenzene	284	7.853	7.852	(0.958)	507434	73.3004	2312.32
126	Dimethoate	87	7.832	7.857	(0.956)	12307	2.77607	87.5731(aQ)
127	Atrazine	200	Compound Not Detected.					
130	4-Aminobiphenyl	169	8.019	8.018	(0.978)	55838	7.57913	239.089(a)
131	Pentachloronitrobenzene	237	8.019	8.028	(0.978)	16337	8.11935	256.131(aQ)
132	Pronamide	173	8.040	8.028	(0.981)	1528	4.31374	136.080(aQ)
129	Pentachlorophenol	266	8.019	8.018	(0.978)	346163	78.3858	2472.74
134	2-secbutyl-4,6-dinitropheno	211	8.029	8.151	(0.980)	780	9.61949	303.454(aQ)
133	Disulfoton	88	8.195	8.146	(1.000)	22042	2.51660	79.3880(aQ)
136	Phenanthrene	178	8.216	8.221	(1.003)	2300531	80.4302	2537.23
137	Anthracene	178	8.264	8.263	(1.008)	2117281	74.3134	2344.27
140	Carbazole	167	8.398	8.402	(1.025)	1878458	71.9024	2268.22
141	Alachlor	188	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	8.622	8.627	(1.052)	2433865	83.8579	2645.36
145	Parathion	109	8.921	8.803	(1.089)	8428	2.19201	69.1487(aQ)
146	4-Nitroquinoline-1-oxide	190	8.905	8.899	(1.087)	983	9.04408	285.302(aQ)
147	Methapyrilene	97	9.007	8.904	(1.099)	41630	6.08948	192.097(aQ)
148	Isodrin	193	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149	Fluoranthene	202	9.247	9.252	(1.128)	2816733	86.2677	2721.38
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	9.456	9.460	(0.900)	2748753	75.2752	2374.61
153	Aramite (#1)	185	9.498	9.481	(0.904)	1688	0.66327	20.9233(a)
155	Aramite (#2)	185	9.541	9.545	(0.908)	15012	3.28952	103.770(a)
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
157	Chlorobenzilate	251	9.685	9.690	(0.922)	1374	5.66141	178.593(aQ)
158	Famphur	218	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	9.926	9.941	(0.945)	1142535	72.1169	2274.98
161	2-Acetylaminofluorene	181	10.209	10.213	(0.972)	1331	9.31472	293.840(aQ)
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	10.374	10.406	(0.988)	1512970	78.8944	2488.78
165	Benzo(a)anthracene	228	10.492	10.518	(0.999)	2745352	74.6258	2354.12(H)
167	Chrysene	228	10.529	10.555	(1.003)	2573649	76.0550	2399.21
168	Di-n-octyl phthalate	149	10.930	10.977	(1.041)	2466492	81.4000	2567.82(H)
170	Hexachlorophene	196	11.550	11.546	(1.100)	3168		(aQ)
171	Benzo(b)fluoranthene	252	11.427	11.490	(0.971)	2782206	67.4096	2126.48(H)
172	Benzo(k)fluoranthene	252	11.448	11.511	(0.973)	3117905	76.5745	2415.60
176	7,12-Dimethylbenz(a)anthrac	256	11.464	11.479	(0.974)	12535	8.07471	254.723(aQ)
178	Benzo(a)pyrene	252	11.721	11.784	(0.996)	2357534	62.5513	1973.23(H)
181	3-Methylcholanthrene	268	12.084	12.094	(1.027)	6300	7.58289	239.208(aQ)
184	Dibenz(a,j)acridine	279	12.698	12.703	(1.079)	9044	4.33244	136.670(a)
186	Indeno(1,2,3-cd)pyrene	276	12.853	12.922	(1.224)	2940836	68.7154	2167.68(H)
185	Dibenz(a,h)anthracene	278	12.848	12.916	(1.092)	2100589	51.4381	1622.65(H)
188	Benzo(g,h,i)perylene	276	13.190	13.258	(1.121)	2524004	77.5451	2446.22
M 173	Total Isosafrole	162				38425	6.06898	191.451(a)
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185				16700	3.95279	124.694(a)

QC Flag Legend

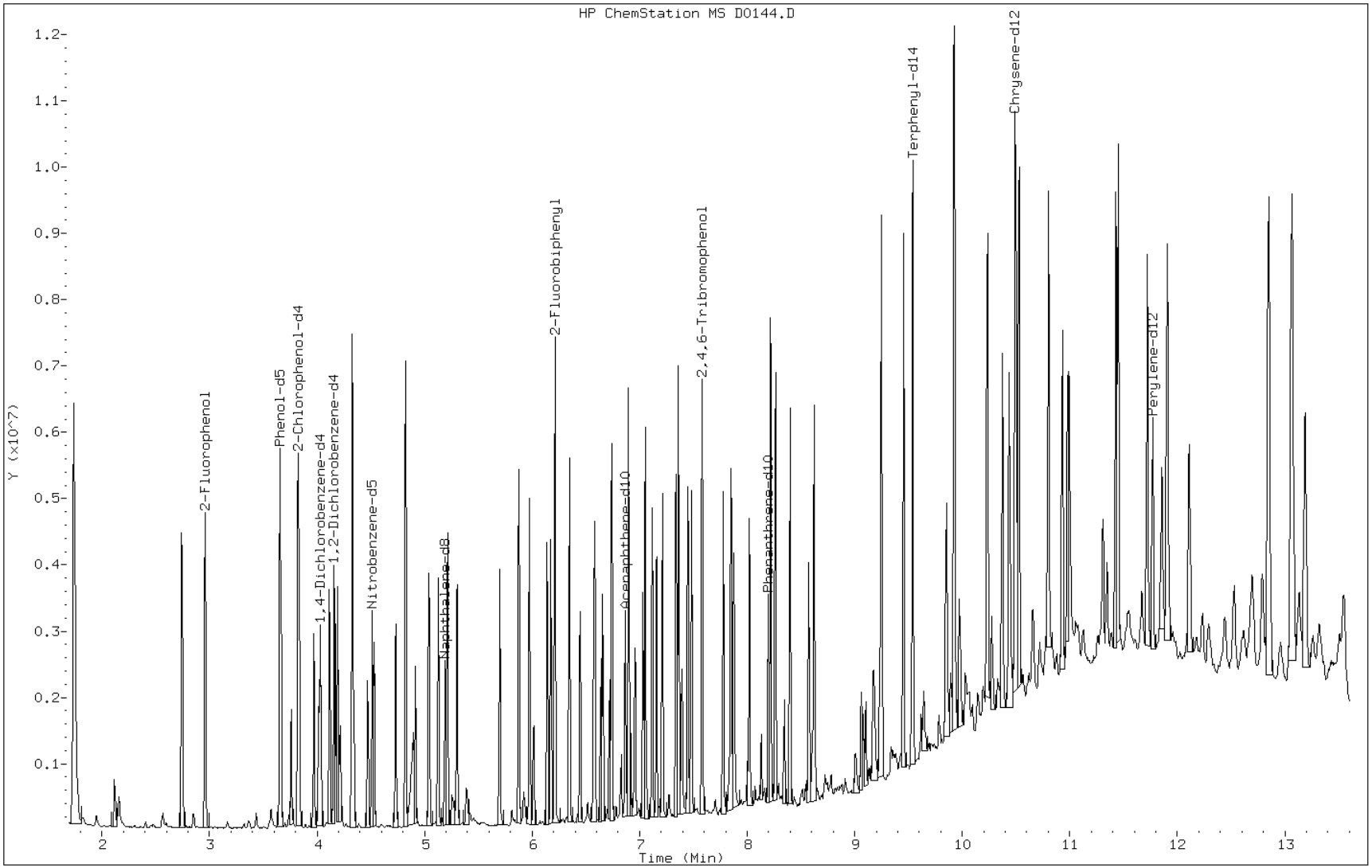
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: D0144.D

Date: 18-APR-2012 23:06

Client ID: UNK10301AA Instrument: D.i

Sample Info: 280-27123-a-3-fmsd Operator: hoffmanm



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSS_D Start Date: 04/18/2012 07:12

Analysis Batch Number: 115987 End Date: 04/18/2012 09:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-115987/1		04/18/2012 07:12	1	D0093.D	Vf-5MS (30.25) 0.25(mm)
IC 280-115987/2		04/18/2012 07:24	1	D0094.D	Vf-5MS (30.25) 0.25(mm)
IC 280-115987/3		04/18/2012 07:43	1	D0095.D	Vf-5MS (30.25) 0.25(mm)
IC 280-115987/4		04/18/2012 08:01	1	D0096.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-115987/5		04/18/2012 08:19	1	D0097.D	Vf-5MS (30.25) 0.25(mm)
IC 280-115987/6		04/18/2012 08:38	1	D0098.D	Vf-5MS (30.25) 0.25(mm)
IC 280-115987/7		04/18/2012 08:56	1	D0099.D	Vf-5MS (30.25) 0.25(mm)
IC 280-115987/8		04/18/2012 09:14	1	D0100.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-115987/9		04/18/2012 09:33	1	D0101.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-115987/10		04/18/2012 09:52	1	D0102.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSS_D Start Date: 04/18/2012 07:12

Analysis Batch Number: 116104 End Date: 04/18/2012 13:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-116104/1		04/18/2012 07:12	1	D0093.D	Vf-5MS (30.25) 0.25(mm)
IC 280-116104/2		04/18/2012 10:12	1	D0103.D	Vf-5MS (30.25) 0.25(mm)
IC 280-116104/3		04/18/2012 10:32	1	D0104.D	Vf-5MS (30.25) 0.25(mm)
IC 280-116104/4		04/18/2012 10:51	1	D0105.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-116104/5		04/18/2012 11:10	1	D0106.D	Vf-5MS (30.25) 0.25(mm)
IC 280-116104/6		04/18/2012 11:29	1	D0107.D	Vf-5MS (30.25) 0.25(mm)
IC 280-116104/7		04/18/2012 11:48	1	D0108.D	Vf-5MS (30.25) 0.25(mm)
IC 280-116104/8		04/18/2012 12:07	1	D0109.D	Vf-5MS (30.25) 0.25(mm)
IC 280-116104/9		04/18/2012 12:26	1	D0110.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-116104/10		04/18/2012 12:45	1	D0111.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-116104/11		04/18/2012 13:04	1	D0112.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-116104/12		04/18/2012 13:23	1	D0113.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-116104/13		04/18/2012 13:43	1	D0114.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSS_D Start Date: 04/18/2012 14:07

Analysis Batch Number: 116156 End Date: 04/19/2012 05:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-116156/1		04/18/2012 14:07	1	D0115.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-116156/2		04/18/2012 14:20	1	D0116.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-116156/3		04/18/2012 14:39	1	D0117.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-116156/4		04/18/2012 14:59	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 15:20	1		Vf-5MS (30.25) 0.25(mm)
LCS 280-114056/2-A		04/18/2012 15:39	1	D0120.D	Vf-5MS (30.25) 0.25(mm)
LCSD 280-114056/3-A		04/18/2012 15:58	1	D0121.D	Vf-5MS (30.25) 0.25(mm)
LCS 280-113829/2-A		04/18/2012 16:17	1	D0122.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 16:36	1		Vf-5MS (30.25) 0.25(mm)
MB 280-114056/1-A		04/18/2012 17:05	1	D0125.D	Vf-5MS (30.25) 0.25(mm)
280-27123-11	032712AE	04/18/2012 17:24	1	D0126.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 17:43	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 18:02	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 18:21	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 18:40	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 18:59	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 19:18	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 19:37	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 19:56	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 20:15	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 20:34	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 20:53	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/18/2012 21:12	1		Vf-5MS (30.25) 0.25(mm)
MB 280-113829/1-A		04/18/2012 21:31	1	D0139.D	Vf-5MS (30.25) 0.25(mm)
280-27123-1	UNK10101AA	04/18/2012 21:50	1	D0140.D	Vf-5MS (30.25) 0.25(mm)
280-27123-2	UNK10201AA	04/18/2012 22:09	1	D0141.D	Vf-5MS (30.25) 0.25(mm)
280-27123-3	UNK10301AA	04/18/2012 22:28	1	D0142.D	Vf-5MS (30.25) 0.25(mm)
280-27123-3 MS	UNK10301AA MS	04/18/2012 22:47	1	D0143.D	Vf-5MS (30.25) 0.25(mm)
280-27123-3 MSD	UNK10301AA MSD	04/18/2012 23:06	1	D0144.D	Vf-5MS (30.25) 0.25(mm)
280-27123-4	UNK10401AA	04/18/2012 23:25	4	D0145.D	Vf-5MS (30.25) 0.25(mm)
280-27123-5	UNK10501AA	04/18/2012 23:44	4	D0146.D	Vf-5MS (30.25) 0.25(mm)
280-27123-6	UNK10502AA	04/19/2012 00:02	1	D0147.D	Vf-5MS (30.25) 0.25(mm)
280-27123-7	UNK10601AA	04/19/2012 00:21	4	D0148.D	Vf-5MS (30.25) 0.25(mm)
280-27123-8	UNK10602AA	04/19/2012 00:40	1	D0149.D	Vf-5MS (30.25) 0.25(mm)
280-27123-9	UNK10701AA	04/19/2012 00:59	1	D0150.D	Vf-5MS (30.25) 0.25(mm)
280-27123-10	UNK10702AA	04/19/2012 01:18	1	D0151.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 01:58	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 02:17	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 02:36	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 02:55	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 03:14	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 03:32	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 03:51	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 04:10	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 04:29	1		Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MSS_D Start Date: 04/18/2012 14:07

Analysis Batch Number: 116156 End Date: 04/19/2012 05:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/19/2012 04:48	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 05:07	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		04/19/2012 05:26	1		Vf-5MS (30.25) 0.25(mm)

GC/MS SVOAContinuing Calibration Review Checklist

TestAmerica

Denver

Instrument ID and Date: Inst. D 04/13/12-5 HSL*/APP/Ref

Check Method Used: Analysis ☐ 625 ☑ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment?	✓			✓	
6. Standards traceability properly documented?	✓			✓	
7. Manual integrations documented and checked?	✓			✓	
8. Do the Internal Standards meet criteria for %D against ICAL?				✓	

*Including Benzaldehyde

1st Level Reviewer: _____ Date: 4/19/12

2nd Level Reviewer: _____ Date: 4/19/12

Injection Log

Directory: C:\HPCHEM\1\DATA\041812S.B

116156

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	D0115.D	1.	DFTPP_00031,,1349453		18 Apr 2012 14:07
2	2	D0116.D	1.	CCV-1363233,,HSL080		18 Apr 2012 14:20
3	3	D0117.D	1.	CCV-1314706,,AP9080		18 Apr 2012 14:39
4	4	D0118.D	1.	CCV-1314437,,REF080		18 Apr 2012 14:59
5	5	D0119.D	1.	lcs280-115353_2-a	115353	18 Apr 2012 15:20
6	6	D0120.D	1.	lcs280-114056_2-a	114056	18 Apr 2012 15:39
7	7	D0121.D	1.	lcsd280-114056_3-a	114056	18 Apr 2012 15:58
8	8	D0122.D	1.	lcs280-113829_2-a	113829	18 Apr 2012 16:17
9	9	D0123.D	1.	LCS280-115489_2-A	115489	18 Apr 2012 16:36
10	10	D0124.D	1.	RINSE	114056	18 Apr 2012 16:53
11	11	D0125.D	1.	mb280-114056_1-a	114056	18 Apr 2012 17:05
12	12	D0126.D	1.	280-27123-a-11-a	114056	18 Apr 2012 17:24
13	13	D0127.D	1.	280-27034-d-1-a ~ T.d14 = 38% / 50 - Aug out original	114056	18 Apr 2012 17:43
14	14	D0128.D	1.	mb280-115489_1-a	115489	18 Apr 2012 18:02
15	15	D0129.D	1.	280-27547-c-1-d – All SWN ↓ NCM91239	115489	18 Apr 2012 18:21
16	16	D0130.D	1.	280-27650-c-1-a	115489	18 Apr 2012 18:40
17	17	D0131.D	1.	280-27650-c-1-bms	115489	18 Apr 2012 18:59
18	18	D0132.D	1.	280-27650-c-1-cmsd	115489	18 Apr 2012 19:18
19	19	D0133.D	1.	280-27650-c-2-a	115489	18 Apr 2012 19:37
20	20	D0134.D	1.	280-27650-c-3-a	115489	18 Apr 2012 19:56
21	21	D0135.D	1.	280-27650-c-4-a	115489	18 Apr 2012 20:15
22	22	D0136.D	1.	280-27650-c-5-a	115489	18 Apr 2012 20:34
23	23	D0137.D	1.	280-27650-b-6-a	115489	18 Apr 2012 20:53
24	24	D0138.D	1.	280-27650-c-7-a	115489	18 Apr 2012 21:12
25	25	D0139.D	1.	mb280-113829_1-a	113829	18 Apr 2012 21:31
26	26	D0140.D	1.	280-27123-a-1-j	113829	18 Apr 2012 21:50
27	27	D0141.D	1.	280-27123-a-2-d	113829	18 Apr 2012 22:09
28	28	D0142.D	1.	280-27123-a-3-d	113829	18 Apr 2012 22:28
29	29	D0143.D	1.	280-27123-a-3-ems } NEM 91235	113829	18 Apr 2012 22:47
30	30	D0144.D	1.	280-27123-a-3-fmsd } NEM 91235	113829	18 Apr 2012 23:06
31	31	D0145.D	1.	280-27123-a-4-d,4,- NTC } NCM 91232	113829	18 Apr 2012 23:25
32	32	D0146.D	1.	280-27123-a-5-d,4, - NTC } NCM 91232	113829	18 Apr 2012 23:44
33	33	D0147.D	1.	280-27123-a-6-d	113829	19 Apr 2012 00:02
34	34	D0148.D	1.	280-27123-a-7-d,4, - NTC } NCM 91232	113829	19 Apr 2012 00:21
35	35	D0149.D	1.	280-27123-a-8-d	113829	19 Apr 2012 00:40
36	36	D0150.D	1.	280-27123-a-9-d	113829	19 Apr 2012 00:59
37	37	D0151.D	1.	280-27123-a-10-d	113829	19 Apr 2012 01:18
38	10	D0152.D	1.	RINSE	113829	19 Apr 2012 01:37
39	38	D0153.D	1.	mb280-115353_1-a	115353	19 Apr 2012 01:58
40	39	D0154.D	1.	280-27619-b-1-a	115353	19 Apr 2012 02:17
41	40	D0155.D	1.	280-27619-d-2-a -T.d14 = 14% } NCM 91237	115353	19 Apr 2012 02:36
42	41	D0156.D	1.	280-27619-d-5-a	115353	19 Apr 2012 02:55
43	42	D0157.D	1.	280-27619-c-6-a -T.d14 = 123%	115353	19 Apr 2012 03:14
44	43	D0158.D	1.	280-27619-b-7-a -T.d14 = 122%	115353	19 Apr 2012 03:32
45	44	D0159.D	1.	280-27619-a-7-ams } 91218 for 27643	115353	19 Apr 2012 03:51
46	45	D0160.D	1.	280-27619-l-7-amsd } 91218 for 27643	115353	19 Apr 2012 04:10
47	46	D0161.D	1.	280-27619-c-8-a	115353	19 Apr 2012 04:29
48	47	D0162.D	1.	280-27616-a-4-a	115353	19 Apr 2012 04:48
49	48	D0163.D	1.	280-27643-b-1-a	115353	19 Apr 2012 05:07
50	49	D0164.D	1.	280-27643-b-2-a -T.d14 = 124% 91238	115353	19 Apr 2012 05:26
51	98	D0165.D	1.	RINSE		19 Apr 2012 05:44
52	99	D0166.D	1.	RINSE		19 Apr 2012 06:03
53	10	D0167.D	1.	RINSE		19 Apr 2012 06:22

Page 1

19 Apr 2012 07:08

90

Diluent Solvent Lot # K41503

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: Nine MA

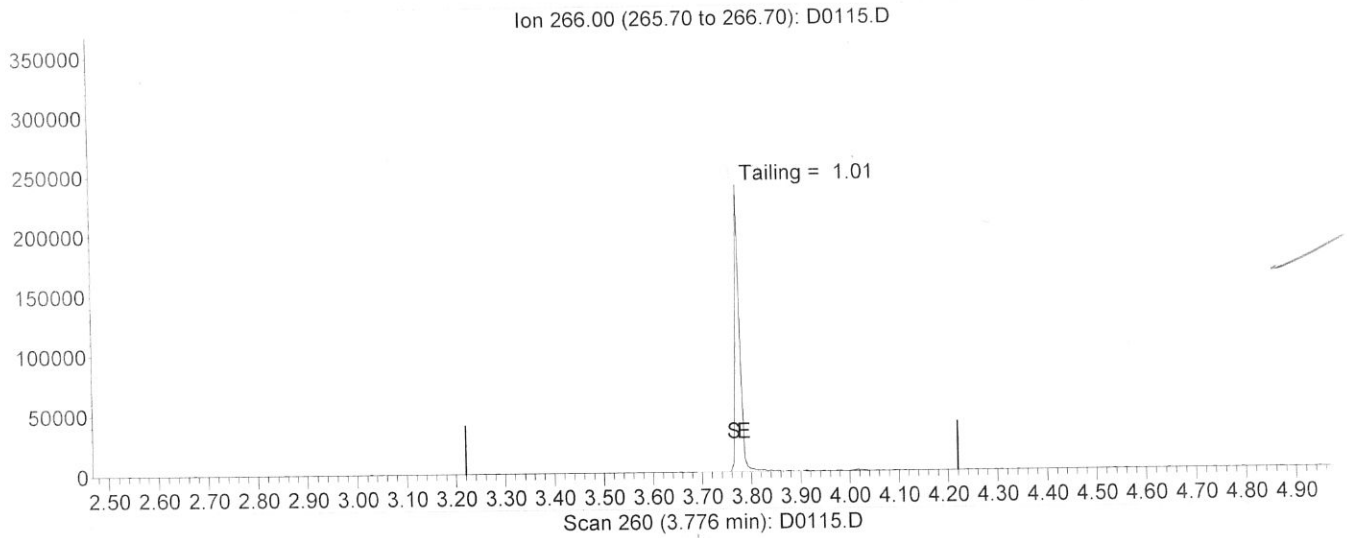
Quantitation Report (Qedit)

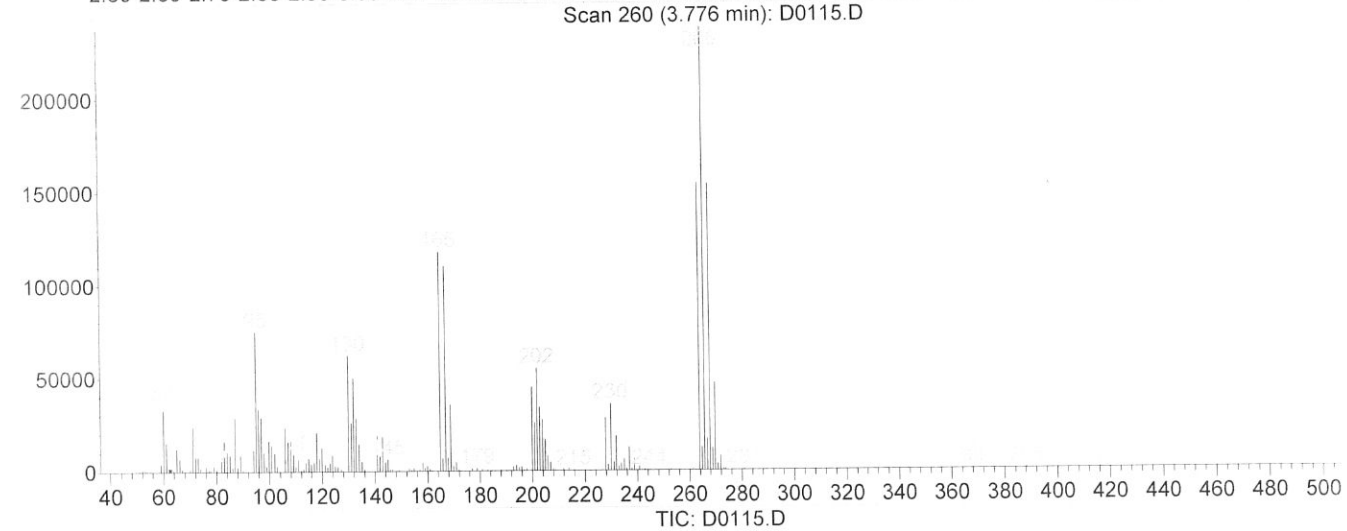
Data File : C:\HPCHEM\1\DATA\041812S.B\D0115.D
Acq On : 18 Apr 2012 2:07 pm
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: Apr 18 14:44 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration





(1) Pentachlorophenol (Tailing<5)

3.78min 0.00

response 1532236

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

D0115.D DFTPPC.M Wed Apr 18 14:44:26 2012

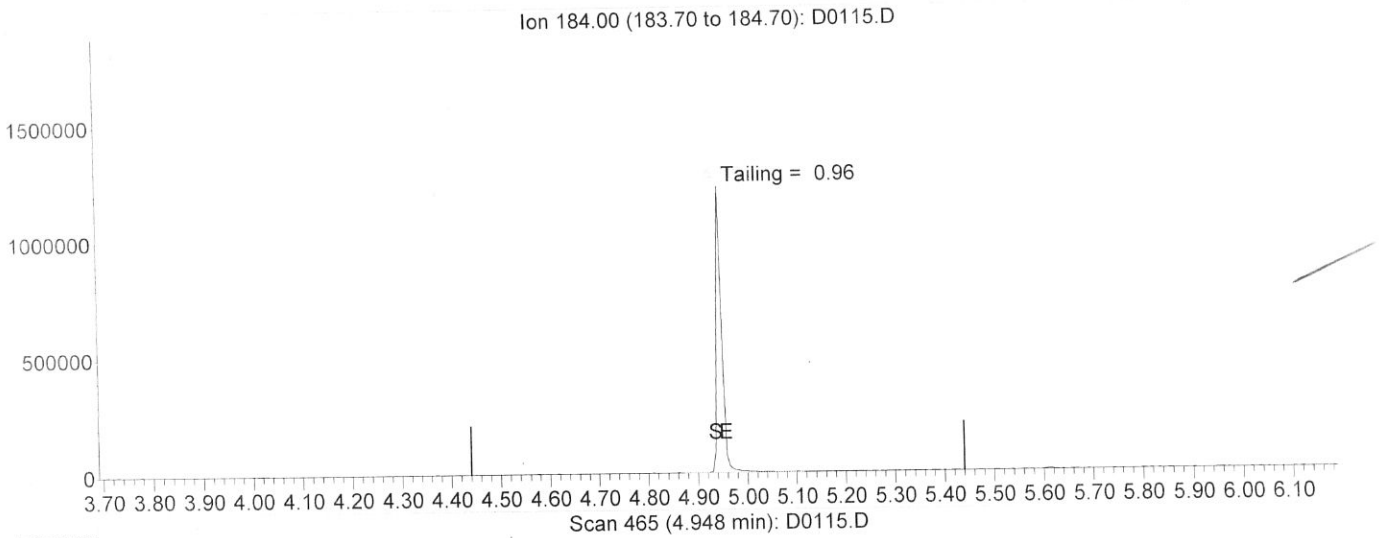
Quantitation Report (Qedit)

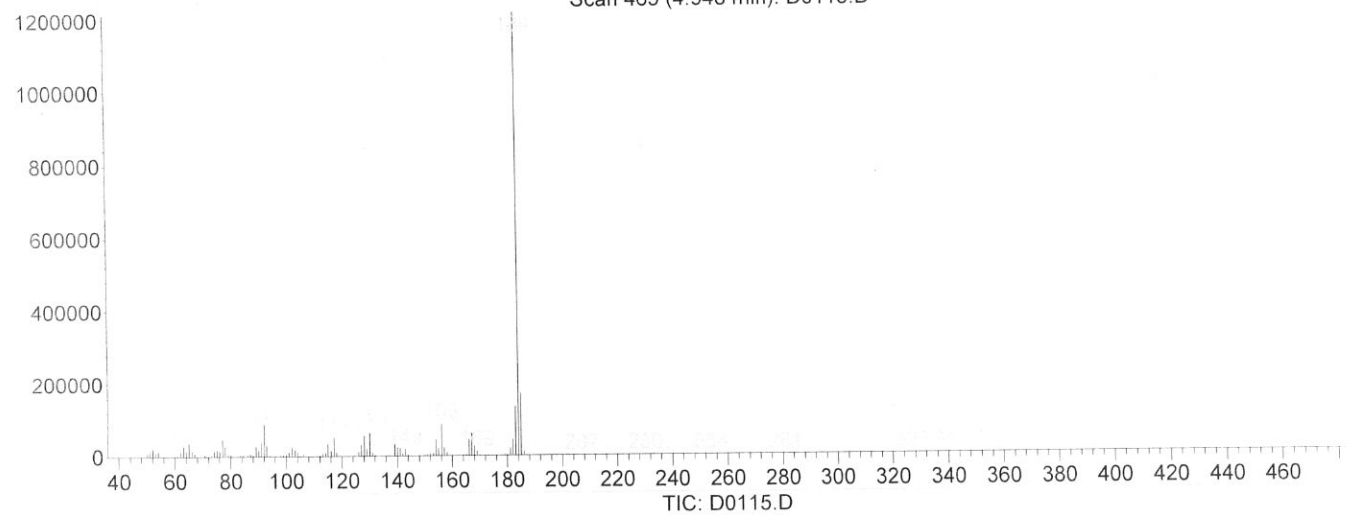
Data File : C:\HPCHEM\1\DATA\041812S.B\D0115.D
Acq On : 18 Apr 2012 2:07 pm
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: Apr 18 14:44 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration





(2) Benzidine (Tailing<3)

4.95min 0.00

response 8941193

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

D0115.D DFTPPC.M Wed Apr 18 14:44:34 2012

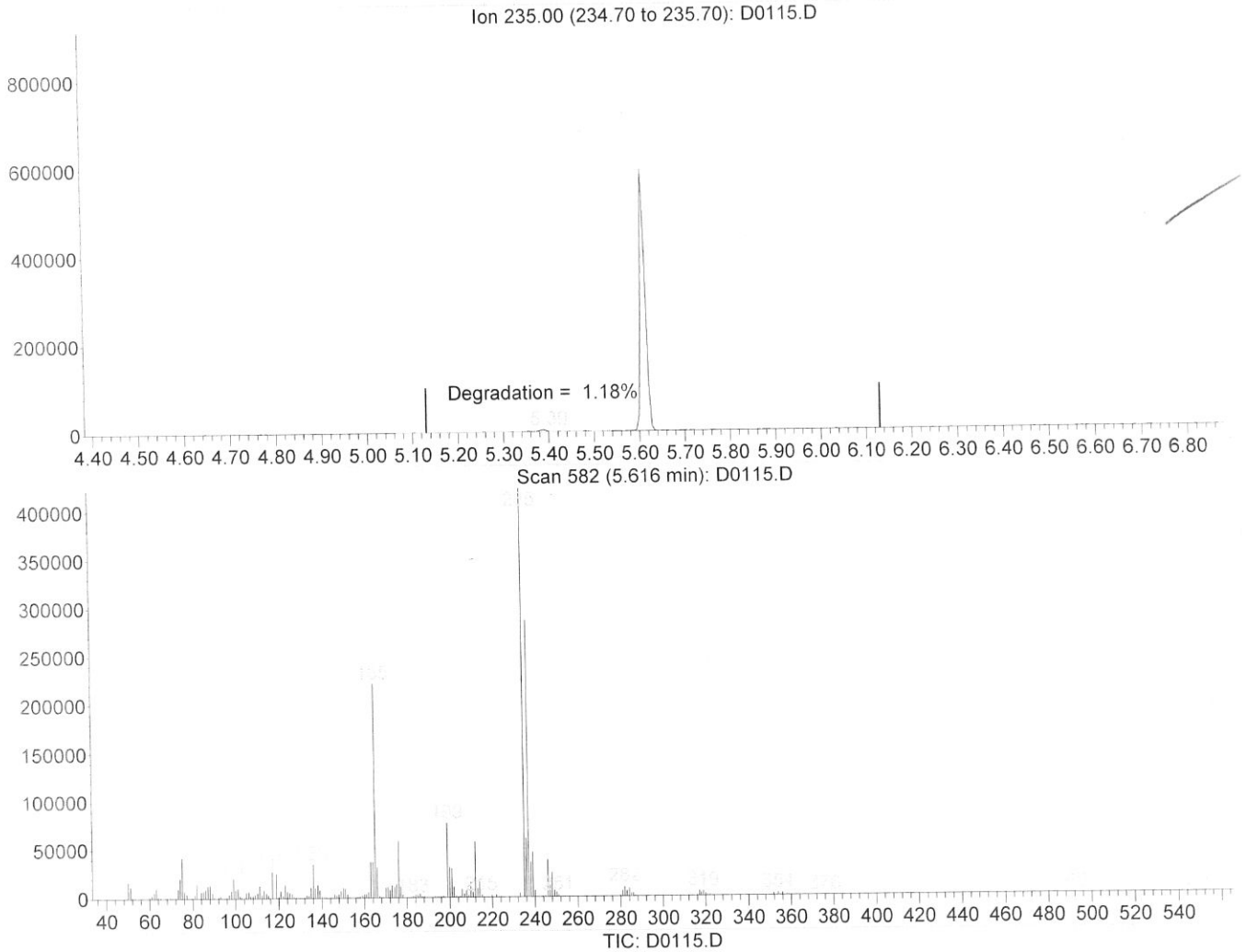
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\041812S.B\D0115.D
Acq On : 18 Apr 2012 2:07 pm
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: Apr 18 14:44 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(3) 4,4'-DDT (Degradation<20%)

5.61min 0.00

response 4888888

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: Inst. D HSL 041812-H
Calibration Event 9109 Batch 116104

Check Method Used: Analysis ☑ 625 ☑ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed *
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			✓	N/A	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?			✓	N/A	
13. 2nd source ICV recovery 75-125% (±25%drift) for DoD projects, 65-135% (±35%, or ~~±55% of expected for poor performers~~) for non-DoD? Exceptions noted in comment section.		✓		✓	Benzaldehyde = 136% Recovery

1st Level Reviewer: [signature] Date: 4/19/12

2nd Level Reviewer: [signature] Date: 4/19/12

* Famphur high point = 160 ng/mL

Injection Log

Directory: C:\HPCHEM\1\DATA\041812.B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	D0093.D	1.	DFTPP_00031,,1349453		18 Apr 2012 07:12
2	2	D0094.D	1.	IC-1314754,,AP9200		18 Apr 2012 07:24
3	3	D0095.D	1.	IC-1314710,,AP9160		18 Apr 2012 07:43
4	4	D0096.D	1.	IC-1314708,,AP9120		18 Apr 2012 08:01
5	5	D0097.D	1.	ICIS-1314706,,AP9080		18 Apr 2012 08:19
6	6	D0098.D	1.	IC-1314703,,AP9050		18 Apr 2012 08:38
7	7	D0099.D	1.	IC-1314701,,AP9020		18 Apr 2012 08:56
8	8	D0100.D	1.	IC-1314700,,AP9010		18 Apr 2012 09:14
9	9	D0101.D	1.	ICV-1363814,,AP9SSV1		18 Apr 2012 09:33
10	10	D0102.D	1.	ICV-1314767,,AP9SSV2		18 Apr 2012 09:52
11	11	D0103.D	1.	IC-1363236,,HSL200		18 Apr 2012 10:12
12	12	D0104.D	1.	IC-1363235,,HSL160		18 Apr 2012 10:32
13	13	D0105.D	1.	IC-1363234,,HSL120		18 Apr 2012 10:51
14	14	D0106.D	1.	ICIS-1363233,,HSL080		18 Apr 2012 11:10
15	15	D0107.D	1.	IC-1363231,,HSL050		18 Apr 2012 11:29
16	16	D0108.D	1.	IC-1363230,,HSL020		18 Apr 2012 11:48
17	17	D0109.D	1.	IC-1363229,,HSL010		18 Apr 2012 12:07
18	18	D0110.D	1.	IC-1363228,,HSL004		18 Apr 2012 12:26
19	19	D0111.D	1.	ICV-1363243,,HSLSSV080		18 Apr 2012 12:45
20	20	D0112.D	1.	ICV-1363244,,BENZ-SSV		18 Apr 2012 13:04
21	21	D0113.D	1.	ICV-840613,,FAM-SSV		18 Apr 2012 13:23
22	22	D0114.D	1.	ICV-1314041,,BZHD-SSV		18 Apr 2012 13:43

4/19/12

Diluent Solvent Lot # NA .

Circle: SOP: ~~DV-MS-0011 (8270C/625)~~ or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: None - see p. 87. 4/19/12

NA

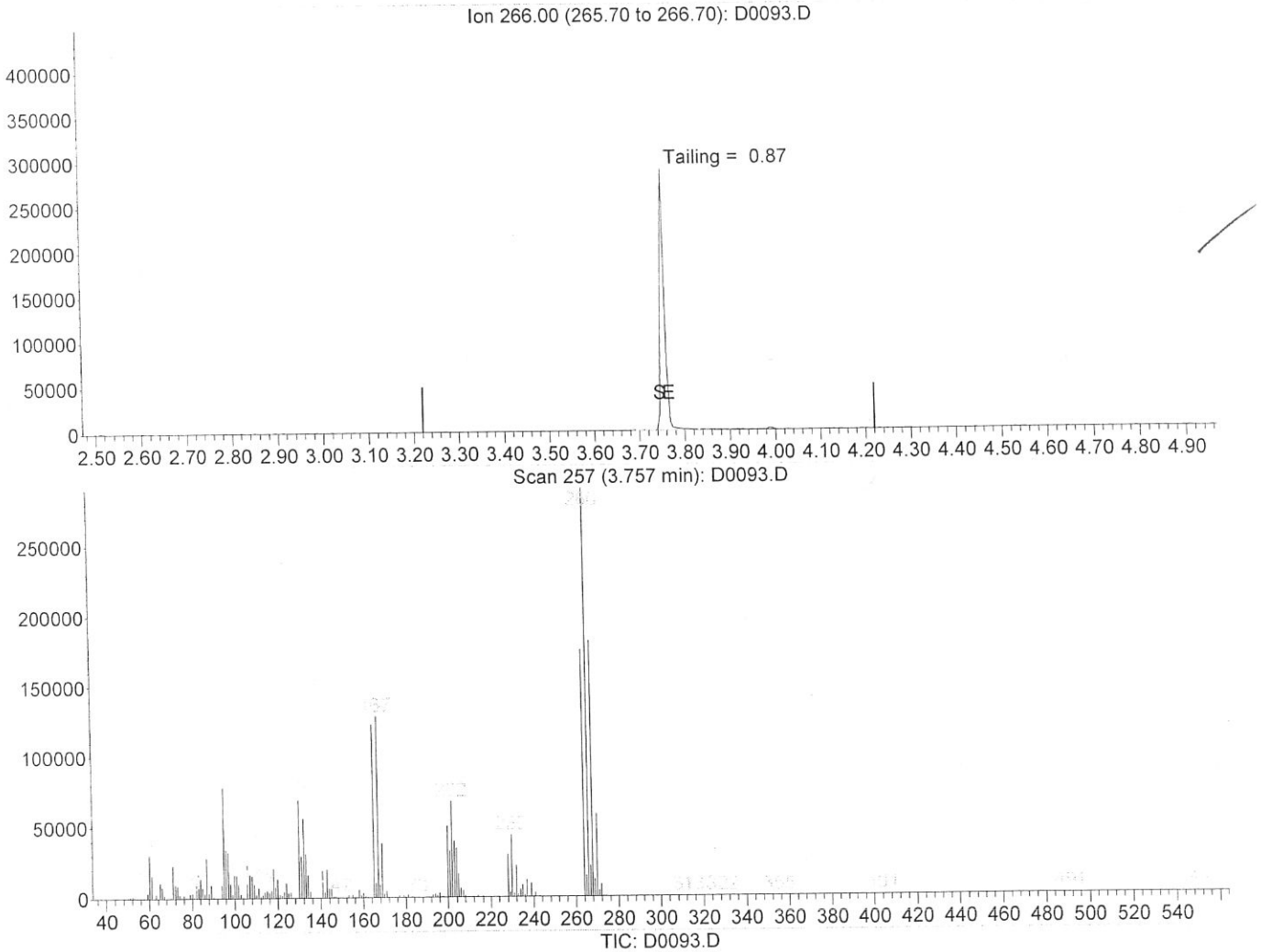
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\041812.B\D0093.D
Acq On : 18 Apr 2012 7:12 am
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: Apr 18 7:40 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(1) Pentachlorophenol (Tailing<5)

3.76min 0.00

response 1961196

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

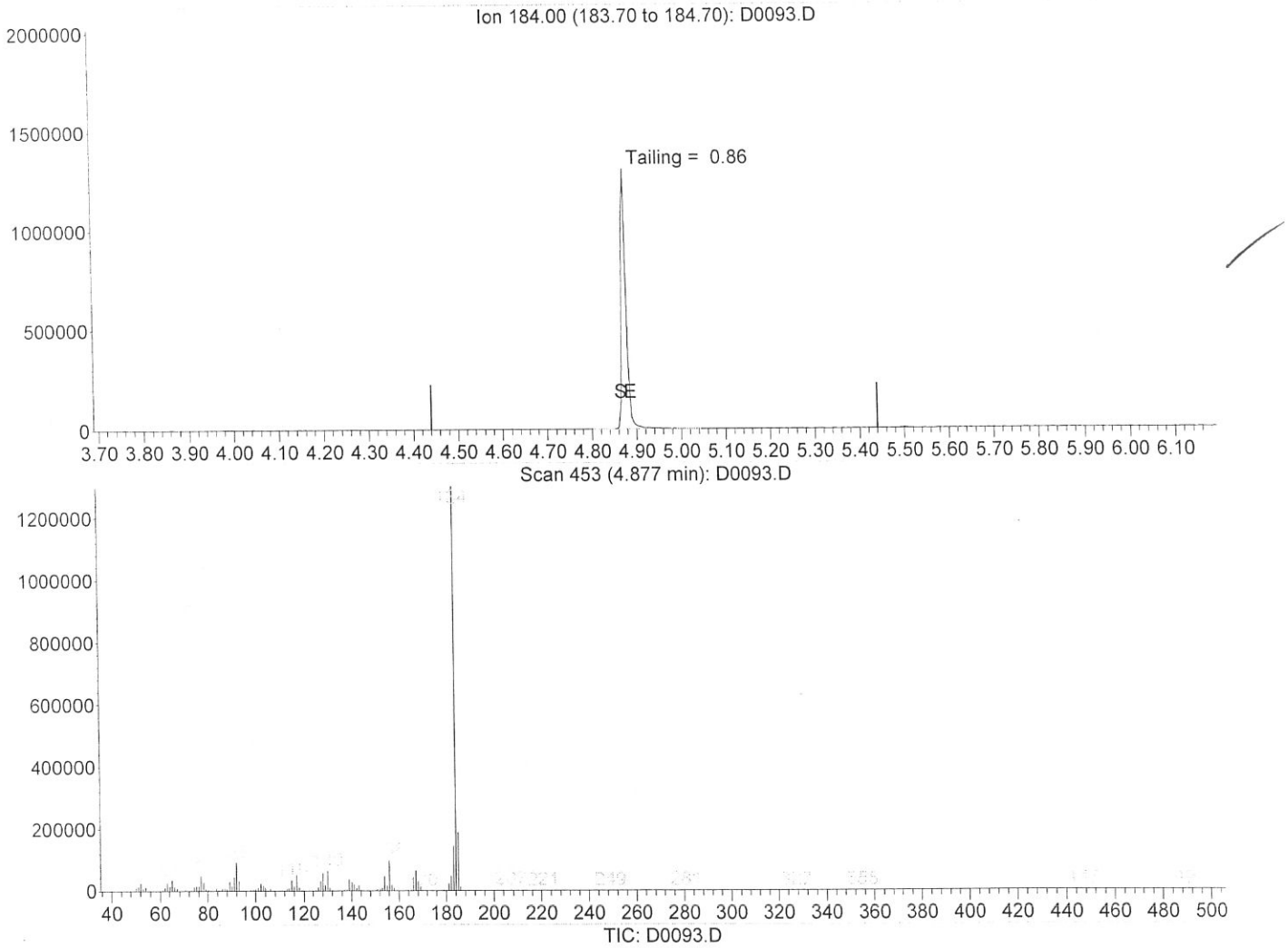
D0093.D DFTPPC.M Wed Apr 18 07:40:48 2012

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\041812.B\D0093.D
Acq On : 18 Apr 2012 7:12 am
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: Apr 18 7:40 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(2) Benzidine (Tailing<3)

4.88min 0.00

response 10132137

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

D0093.D DFTPPC.M Wed Apr 18 07:40:56 2012

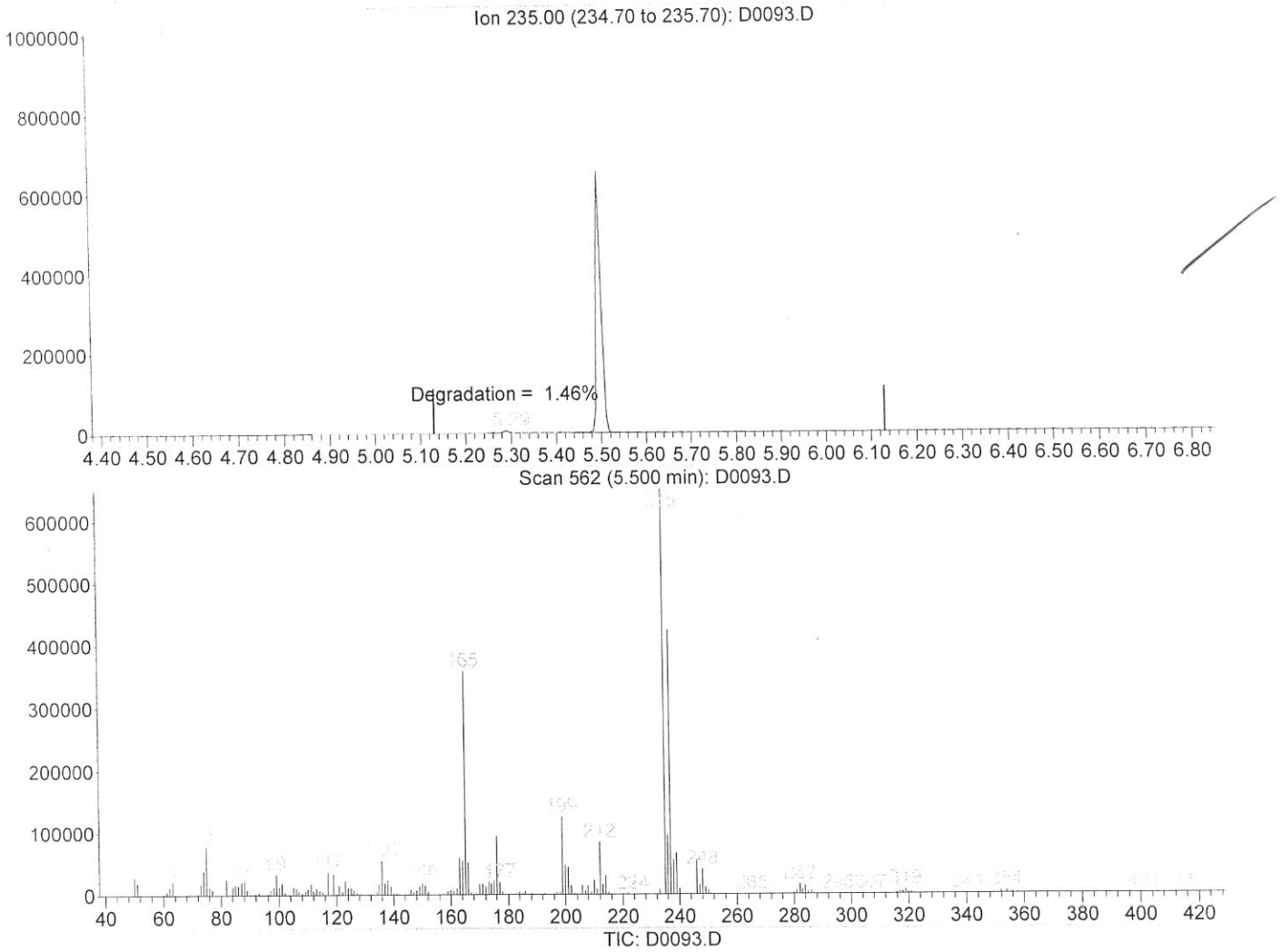
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\041812.B\D0093.D
Acq On : 18 Apr 2012 7:12 am
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: Apr 18 7:40 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(3) 4,4'-DDT (Degradation<20%)

5.50min 0.00

response 4975623

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: Inst. D APG 04/8/12-A
Calibration Event 9102 Batch 115987

Check Method Used: Analysis ☐ 625 ☑ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Target source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			✓	N/A	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented?	✓			✓	
12. Manual integrations documented and checked?	✓			✓	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.		✓		→	Methyl methane sulfonate = 159% Recovery 1,4-Naphthoquinone = 159% Recovery

1st Level Reviewer: MM Date: 4/18/12

2nd Level Reviewer: _____ Date: 4/19/12

Injection Log

Directory: C:\HPCHEM\1\DATA\041812.B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	D0093.D	1.	DFTPP_00031,,1349453		18 Apr 2012 07:12
2	2	D0094.D	1.	IC-1314754,,AP9200		18 Apr 2012 07:24
3	3	D0095.D	1.	IC-1314710,,AP9160		18 Apr 2012 07:43
4	4	D0096.D	1.	IC-1314708,,AP9120		18 Apr 2012 08:01
5	5	D0097.D	1.	ICIS-1314706,,AP9080		18 Apr 2012 08:19
6	6	D0098.D	1.	IC-1314703,,AP9050		18 Apr 2012 08:38
7	7	D0099.D	1.	IC-1314701,,AP9020		18 Apr 2012 08:56
8	8	D0100.D	1.	IC-1314700,,AP9010		18 Apr 2012 09:14
9	9	D0101.D	1.	ICV-1363814,,AP9SSV1		18 Apr 2012 09:33
10	10	D0102.D	1.	ICV-1314767,,AP9SSV2		18 Apr 2012 09:52
11	11	D0103.D	1.	IC-1363236,,HSL200		18 Apr 2012 10:12
12	12	D0104.D	1.	IC-1363235,,HSL160		18 Apr 2012 10:32
13	13	D0105.D	1.	IC-1363234,,HSL120		18 Apr 2012 10:51
14	14	D0106.D	1.	ICIS-1363233,,HSL080		18 Apr 2012 11:10
15	15	D0107.D	1.	IC-1363231,,HSL050		18 Apr 2012 11:29
16	16	D0108.D	1.	IC-1363230,,HSL020		18 Apr 2012 11:48
17	17	D0109.D	1.	IC-1363229,,HSL010		18 Apr 2012 12:07
18	18	D0110.D	1.	IC-1363228,,HSL004		18 Apr 2012 12:26
19	19	D0111.D	1.	ICV-1363243,,HSLSSV080		18 Apr 2012 12:45
20	20	D0112.D	1.	ICV-1363244,,BENZ-SSV		18 Apr 2012 13:04
21	21	D0113.D	1.	ICV-840613,,FAM-SSV		18 Apr 2012 13:23
22	22	D0114.D	1.	ICV-1314041,,BZHD-SSV		18 Apr 2012 13:43

4/19/12

Diluent Solvent Lot # NA .

Circle: SOP: ~~DV-MS-0011 (8270C/625)~~ or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: None - see p. 87. 4/19/12

NA

89

Page 1428 of 5123

04/26/2012

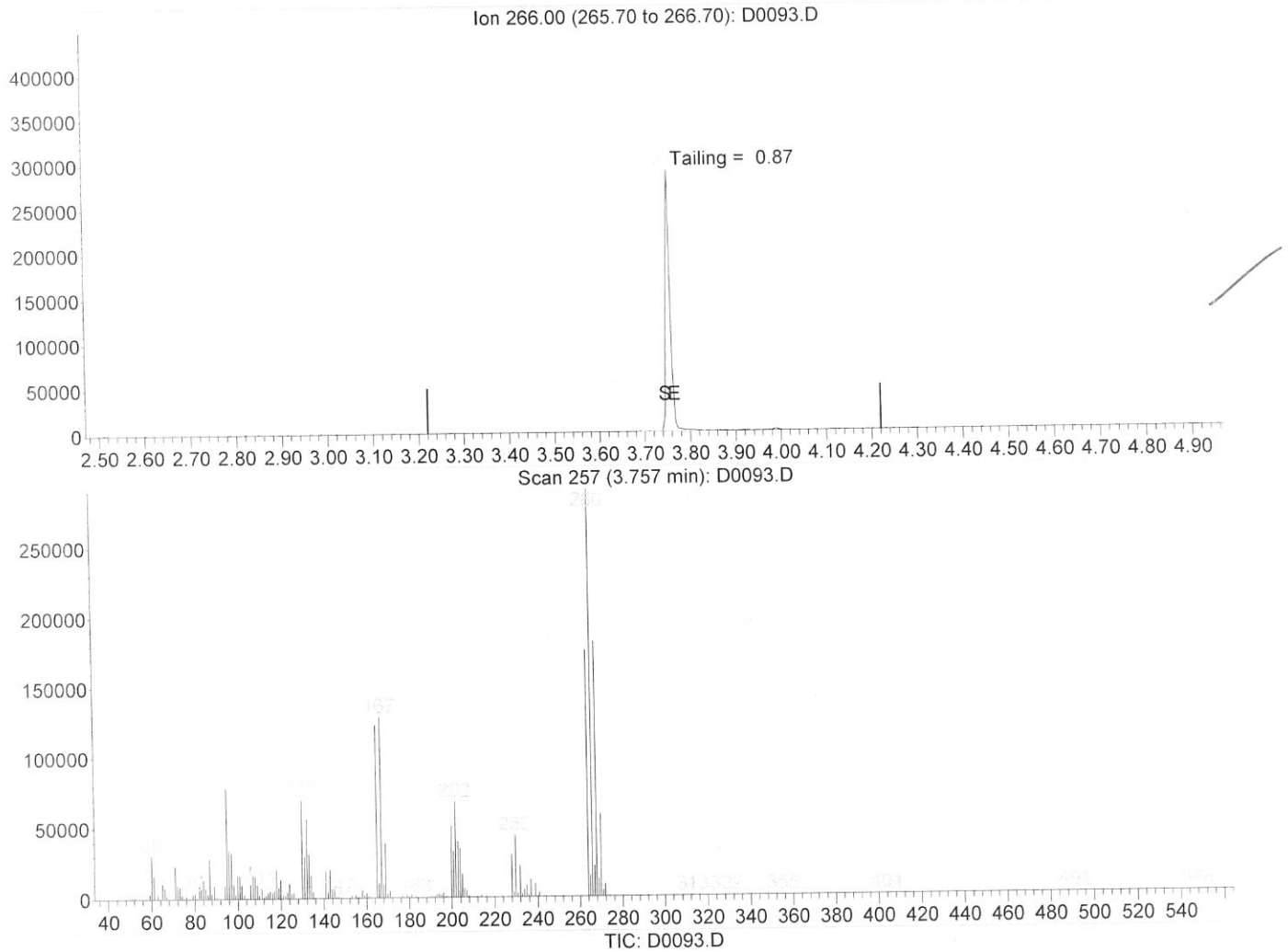
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\041812.B\D0093.D
Acq On : 18 Apr 2012 7:12 am
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: Apr 18 7:40 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration



(1) Pentachlorophenol (Tailing<5)

3.76min 0.00

response 1961196

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

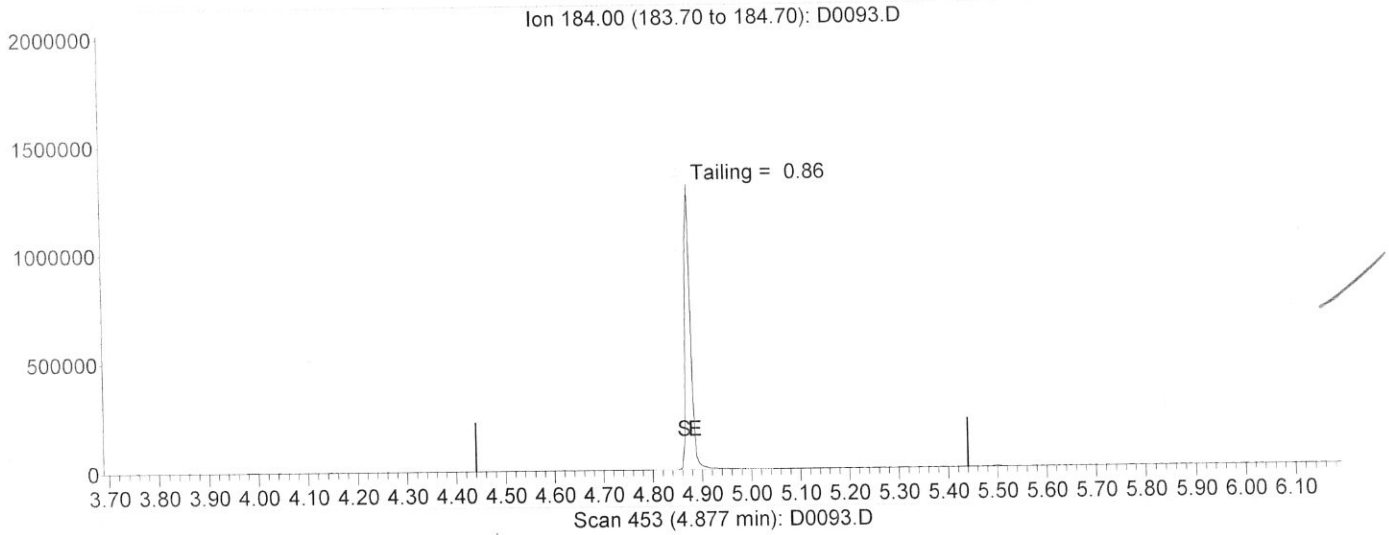
Quantitation Report (Qedit)

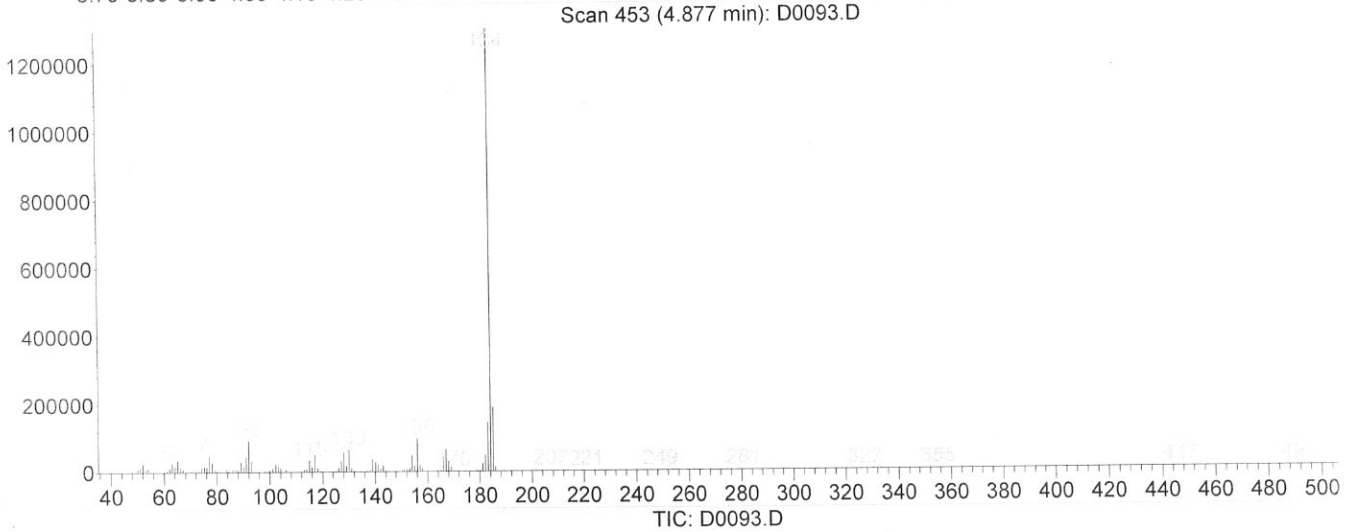
Data File : C:\HPCHEM\1\DATA\041812.B\D0093.D
Acq On : 18 Apr 2012 7:12 am
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: Apr 18 7:40 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration





(2) Benzidine (Tailing<3)

4.88min 0.00

response 10132137

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

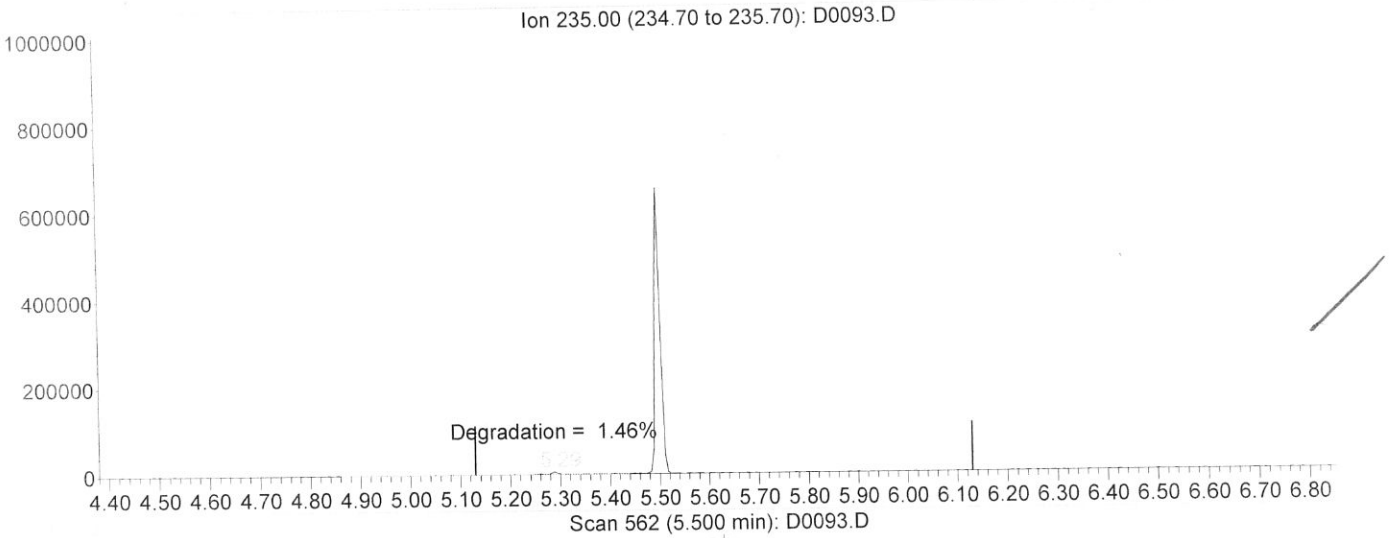
Quantitation Report (Qedit)

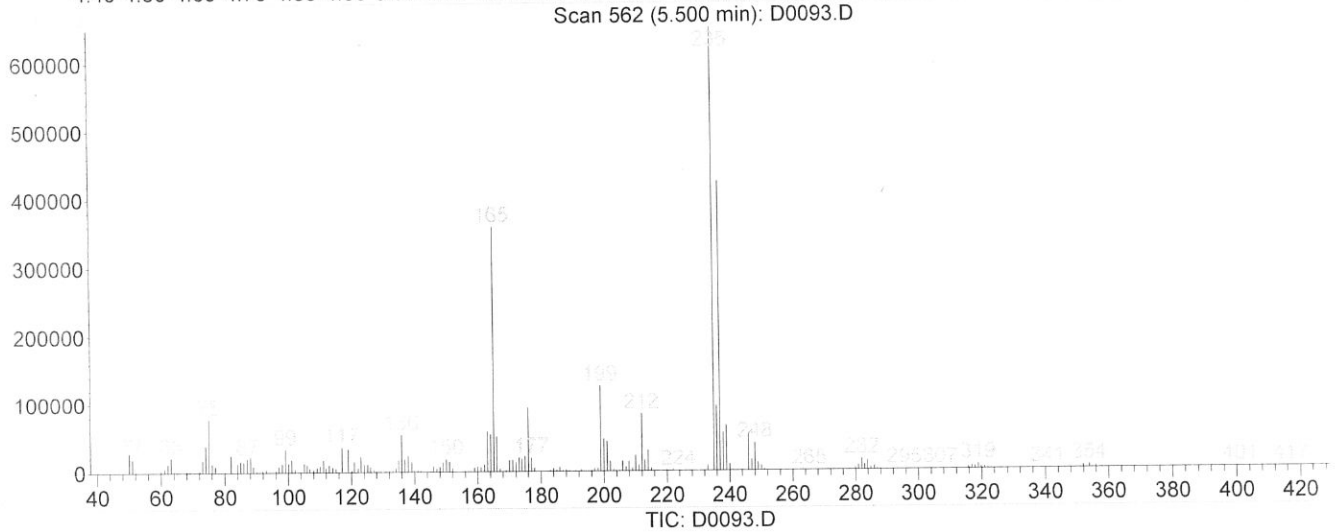
Data File : C:\HPCHEM\1\DATA\041812.B\D0093.D
Acq On : 18 Apr 2012 7:12 am
Sample : DFTPP_00031,,1349453
Misc :
MS Integration Params: events.e
Quant Time: Apr 18 7:40 2012

Vial: 1
Operator: hoffmanm
Inst : GC/MS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Mon Jul 12 20:26:01 2010
Response via : Single Level Calibration





(3) 4,4'-DDT (Degradation<20%)

5.50min 0.00

response 4975623

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113829 Batch Start Date: 03/31/12 13:17 Batch Analyst: Brohl, Rianna L

Batch Method: 3550C Batch End Date: 04/04/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8270LCS80ppm 00034	8270Surrogate 00041		
MB 280-113829/1		3550C, 8270D/DoD		32.5 g	1000 uL		1 mL		
LCS 280-113829/2		3550C, 8270D/DoD		31.9 g	1000 uL	1 mL	1 mL		
280-27123-A-1	UNK10101AA	3550C, 8270D/DoD	T	30.0 g	1000 uL		1 mL		
280-27123-A-2	UNK10201AA	3550C, 8270D/DoD	T	32.4 g	1000 uL		1 mL		
280-27123-A-3	UNK10301AA	3550C, 8270D/DoD	T	30.0 g	1000 uL		1 mL		
280-27123-A-3 MS	UNK10301AA	3550C, 8270D/DoD	T	31.7 g	1000 uL	1 mL	1 mL		
280-27123-A-3 MSD	UNK10301AA	3550C, 8270D/DoD	T	31.7 g	1000 uL	1 mL	1 mL		
280-27123-A-4	UNK10401AA	3550C, 8270D/DoD	T	30.7 g	1000 uL		1 mL		
280-27123-A-5	UNK10501AA	3550C, 8270D/DoD	T	30.7 g	1000 uL		1 mL		
280-27123-A-6	UNK10502AA	3550C, 8270D/DoD	T	32.3 g	1000 uL		1 mL		
280-27123-A-7	UNK10601AA	3550C, 8270D/DoD	T	30.9 g	1000 uL		1 mL		
280-27123-A-8	UNK10602AA	3550C, 8270D/DoD	T	32.8 g	1000 uL		1 mL		
280-27123-A-9	UNK10701AA	3550C, 8270D/DoD	T	31.3 g	1000 uL		1 mL		
280-27123-A-10	UNK10702AA	3550C, 8270D/DoD	T	30.6 g	1000 uL		1 mL		

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113829 Batch Start Date: 03/31/12 13:17 Batch Analyst: Brohl, Rianna L

Batch Method: 3550C Batch End Date: 04/04/12 11:00

Batch Notes	
Balance ID	24750402
Batch Comment	DV-OP-0016/0007 Aliquot by Scoles, B.
Blank Soil Lot Number	2AB0605
Person's name who did the concentration	CLUKEY.L/VU.D
Na2SO4 Lot Number	K28619_00012/13
Nominal Amount Used	30 g
Prep Solvent Lot #	1:1AceMeCl2_00009
Prep Solvent Name	1:1 Acetone:MeCl2
Prep Solvent Volume Used	300 mL
Person's name who did the prep	Brohl, R.- pip: H
Person's name who witnessed reagent drop	Reviewer: Scoles, B.
Water Bath ID	B
Water Bath Temperature	88 Degrees C

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 114056 Batch Start Date: 04/03/12 11:45 Batch Analyst: Vu, John Dat C

Batch Method: 3520C Batch End Date: 04/05/12 19:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH
MB 280-114056/1		3520C, 8270D/DoD		7 SU			1000 mL	1000 uL	2 SU
LCS 280-114056/2		3520C, 8270D/DoD		7 SU			1000 mL	1000 uL	2 SU
LCSD 280-114056/3		3520C, 8270D/DoD		7 SU			1000 mL	1000 uL	2 SU
280-27123-A-11	032712AE	3520C, 8270D/DoD	T	5 SU	1521.5 g	499.2 g	1022.3 mL	1000 uL	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270LCS80ppm 00034	8270Surrogate 00041			
MB 280-114056/1		3520C, 8270D/DoD		11 SU		1 mL			
LCS 280-114056/2		3520C, 8270D/DoD		11 SU	1 mL	1 mL			
LCSD 280-114056/3		3520C, 8270D/DoD		11 SU	1 mL	1 mL			
280-27123-A-11	032712AE	3520C, 8270D/DoD	T	11 SU		1 mL			

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 114056 Batch Start Date: 04/03/12 11:45 Batch Analyst: Vu, John Dat C

Batch Method: 3520C Batch End Date: 04/05/12 19:15

Batch Notes	
Acid used for pH adjustment	1:1H2SO4
Acid used for pH adjust Lot #	1:1H2SO4_00007
Base used for pH adjustment	10N_NaOH
Base used for pH adjust Lot #	10N_NaOH_00010
Batch Comment	DV-OP-0007/8 bal:24350888 H2O:ELGA NaCl:K47602
Person's name who did the concentration	SmileyK/MoanM
Time the first extraction ended 24hr	04/04/12 1155, 27034-d-1@1255
Time the first extraction started 24 hr	04/03/12 1150, 27034-d-1@1250
Na2SO4 Lot Number	K28619_00013
Prep Solvent Lot #	MeCl2_Cycl_00026
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	300 mL
Person's name who did the prep	VU.D-H
Person's name who witnessed reagent drop	Reviewer: SCOLES.B
Time the second extractino ended 24 hr	04/05/12 1320
Time the second extration started 24 hr	04/04/12 1320
Sufficient volume for MS/MSD?	NO
Water Bath ID	B
Water Bath Temperature	84 C Degrees C

Basis	Basis Description
T	Total/NA

Method 8081A

Organochlorine Pesticides (GC) by Method 8081A

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP1 ID: 0.32 (mm) GC Column (2): CLP2 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
UNK10101AA	280-27123-1	76	75	1361 J Q	1278 J Q
UNK10101AA	280-27123-1	71 D	73 D	1408 Q D	1406 Q D
UNK10201AA	280-27123-2	73	70	485 Q	466 Q
UNK10201AA	280-27123-2	69 Q D		492 Q D	
UNK10301AA	280-27123-3	58 Q	50 Q	67	101
UNK10301AA	280-27123-3	50 Q D		135 Q D	
UNK10401AA	280-27123-4	82	69 Q	159 Q	87
UNK10401AA	280-27123-4	64 Q D		155 Q D	
UNK10501AA	280-27123-5	59 Q	57 Q	125 M	178 Q
UNK10501AA	280-27123-5	45 Q D		176 Q D	
UNK10502AA	280-27123-6	76	79	73	74
UNK10502AA	280-27123-6	72 D		241 Q D	
UNK10601AA	280-27123-7	61 Q	56 Q	72	90
UNK10601AA	280-27123-7	59 Q D		58 D	
UNK10602AA	280-27123-8	75	78	68	78
UNK10602AA	280-27123-8	72 D		66 D	
UNK10701AA	280-27123-9	67 Q	70	116 M	180 Q
UNK10701AA	280-27123-9	59 Q D		180 Q D	
UNK10702AA	280-27123-10	62 Q	64 Q	55	73
UNK10702AA	280-27123-10	59 Q D		48 Q D	
	MB 280-113973/1-A	96	94	107	103
	LCS 280-113973/2-A	94	91	105	103
	LCS 280-113973/26-A	99		103	
UNK10201AA MS	280-27123-2 MS	74	59 Q	618 J Q	761 J Q
UNK10702AA MS	280-27123-10 MS	68 Q		65 M	
UNK10201AA MSD	280-27123-2 MSD	67 Q	56 Q	351 Q	331 Q
UNK10702AA MSD	280-27123-10 MSD	67 Q		46 Q	

	QC LIMITS
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Column to be used to flag recovery values

FORM II 8081A

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP1 ID: 0.32 (mm) GC Column (2): CLP2 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
032712AE	280-27123-11	82	80	100	97
	MB 280-113965/1-A	87	84	107	102
	LCS 280-113965/2-A	86	83	106	99
	LCS 280-113965/5-A	87		107	

	QC LIMITS
TCX = Tetrachloro-m-xylene	25-140
DCB = DCB Decachlorobiphenyl	30-135

Column to be used to flag recovery values

FORM II 8081A

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 04050052.D

Lab ID: LCS 280-113965/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	0.500	0.459	92	25-150	
4,4'-DDE	0.500	0.502	100	35-140	
4,4'-DDT	0.500	0.527	105	45-140	
Aldrin	0.500	0.428	86	25-140	
alpha-BHC	0.500	0.473	95	60-130	
beta-BHC	0.500	0.480	96	65-125	
delta-BHC	0.500	0.489	98	45-135	
gamma-BHC (Lindane)	0.500	0.476	95	25-135	
Heptachlor	0.500	0.454	91	40-130	
Heptachlor epoxide	0.500	0.487	97	60-130	
Endosulfan I	0.500	0.485	97	50-110	
Endosulfan II	0.500	0.491	98	30-130	
Endosulfan sulfate	0.500	0.496	99	55-135	
Endrin	0.500	0.598	120	55-135	
Endrin aldehyde	0.500	0.452	90	55-135	
Endrin ketone	0.500	0.493	99	75-125	
gamma-Chlordane	0.500	0.482	96	60-125	
Methoxychlor	0.500	0.537	107	55-150	
alpha-Chlordane	0.500	0.497	99	65-125	
Dieldrin	0.500	0.503	101	60-130	

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 04050051.D

Lab ID: LCS 280-113965/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toxaphene	2.00	1.41 J	70	63-142	M

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 04110040.D

Lab ID: LCS 280-113973/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	16.3	14.8	91	30-135	
4,4'-DDE	16.3	17.2	106	70-125	
4,4'-DDT	16.3	17.8	109	45-140	
Aldrin	16.3	16.1	99	45-140	
alpha-BHC	16.3	15.4	95	60-125	
beta-BHC	16.3	15.6	96	60-125	
delta-BHC	16.3	16.0	98	55-130	
gamma-BHC (Lindane)	16.3	15.5	95	60-125	
Heptachlor	16.3	16.4	101	50-140	
Heptachlor epoxide	16.3	16.3	100	65-130	
Endosulfan I	16.3	16.4	100	15-135	
Endosulfan II	16.3	16.5	101	35-140	
Endosulfan sulfate	16.3	16.6	102	60-135	
Endrin	16.3	20.7	127	60-135	
Endrin aldehyde	16.3	13.8	85	35-145	
Endrin ketone	16.3	16.5	101	65-135	
gamma-Chlordane	16.3	16.9	104	65-125	
Methoxychlor	16.3	17.8	110	55-145	
alpha-Chlordane	16.3	16.6	102	65-120	
Dieldrin	16.3	17.1	105	65-125	

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 04110039.D

Lab ID: LCS 280-113973/26-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toxaphene	62.5	47.1 J	75	51-139	M

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III
PESTICIDES MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 04110043.D

Lab ID: 280-27123-2 MS Client ID: UNK10201AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4,4'-DDD	26.4	1.1 U	12.7	48	30-135	Q
4,4'-DDE	26.4	1.3 J	15.5	54	70-125	J Q
4,4'-DDT	26.4	5.0	24.4	73	45-140	Q
Aldrin	26.4	0.72 U	15.0	57	45-140	Q
alpha-BHC	26.4	0.72 U	15.0	57	60-125	J Q
beta-BHC	26.4	1.5 J	12.1	46	60-125	J Q
delta-BHC	26.4	1.1 U	14.0	53	55-130	J Q
gamma-BHC (Lindane)	26.4	1.1 U	15.4	58	60-125	J Q
Heptachlor	26.4	0.72 U	15.5	59	50-140	Q
Heptachlor epoxide	26.4	1.1 U	15.2	58	65-130	J Q
Endosulfan I	26.4	0.72 U	15.1	57	15-135	Q
Endosulfan II	26.4	0.72 U	13.7	52	35-140	Q
Endosulfan sulfate	26.4	0.72 U	16.4	62	60-135	Q
Endrin	26.4	0.94 J	21.6	82	60-135	Q
Endrin aldehyde	26.4	0.72 U	10.4	39	35-145	Q
Endrin ketone	26.4	1.1 U	21.6	82	65-135	Q
gamma-Chlordane	26.4	1.1 U	13.5	51	65-125	J Q
Methoxychlor	26.4	1.1 U	15.9	60	55-145	Q
alpha-Chlordane	26.4	0.72 U	12.5	47	65-120	J Q
Dieldrin	26.4	0.72 U	14.8	56	65-125	J Q

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III
PESTICIDES MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 04110056.D

Lab ID: 280-27123-10 MS Client ID: UNK10702AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Toxaphene	82.4	34 U	46.5 J	56	51-139	Q M

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 04110044.D

Lab ID: 280-27123-2 MSD Client ID: UNK10201AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	27.8	11.5	41	10	30	30-135	Q
4,4'-DDE	27.8	15.0	50	3	30	70-125	Q J
4,4'-DDT	27.8	17.4	44	34	30	45-140	Q J
Aldrin	27.8	14.8	53	1	30	45-140	Q
alpha-BHC	27.8	14.8	53	1	30	60-125	Q J
beta-BHC	27.8	14.1	51	15	30	60-125	Q J
delta-BHC	27.8	12.6	45	11	30	55-130	Q J
gamma-BHC (Lindane)	27.8	14.4	52	6	30	60-125	Q J
Heptachlor	27.8	12.6	46	21	30	50-140	Q J
Heptachlor epoxide	27.8	14.6	53	4	30	65-130	Q J
Endosulfan I	27.8	13.8	50	9	30	15-135	Q
Endosulfan II	27.8	12.6	46	8	30	35-140	Q
Endosulfan sulfate	27.8	10.7	39	42	30	60-135	Q J
Endrin	27.8	15.9	57	31	30	60-135	Q J
Endrin aldehyde	27.8	6.50	23	46	30	35-145	Q J
Endrin ketone	27.8	13.9	50	43	30	65-135	Q J
gamma-Chlordane	27.8	13.4	48	1	30	65-125	Q J
Methoxychlor	27.8	13.9	50	13	30	55-145	Q J
alpha-Chlordane	27.8	13.4	48	7	30	65-120	Q J
Dieldrin	27.8	15.0	54	1	30	65-125	Q J

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 04110057.D

Lab ID: 280-27123-10 MSD Client ID: UNK10702AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toxaphene	84.8	40.9 J	48	12.9	30	51-139	M Q J

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: MB 280-113973/1-A

Matrix: Solid Date Extracted: 04/02/2012 17:20

Lab File ID:(1) 04110038.D Lab File ID:(2) 04110038.D

Date Analyzed:(1) 04/11/2012 18:48 Date Analyzed:(2) 04/11/2012 18:48

Instrument ID:(1) GCS_P1 Instrument ID:(2) GCS_P1

GC Column:(1) CLP1 ID: 0.32(mm) GC Column:(2) CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-113973/26-A	04/11/2012 19:05	
	LCS 280-113973/2-A	04/11/2012 19:21	04/11/2012 19:21
UNK10101AA	280-27123-1	04/11/2012 19:38	04/11/2012 19:38
UNK10201AA	280-27123-2	04/11/2012 19:55	04/11/2012 19:55
UNK10201AA MS	280-27123-2 MS	04/11/2012 20:11	04/11/2012 20:11
UNK10201AA MSD	280-27123-2 MSD	04/11/2012 20:28	04/11/2012 20:28
UNK10301AA	280-27123-3	04/11/2012 20:45	04/11/2012 20:45
UNK10401AA	280-27123-4	04/11/2012 21:01	04/11/2012 21:01
UNK10501AA	280-27123-5	04/11/2012 22:08	04/11/2012 22:08
UNK10502AA	280-27123-6	04/11/2012 22:24	04/11/2012 22:24
UNK10601AA	280-27123-7	04/11/2012 22:41	04/11/2012 22:41
UNK10602AA	280-27123-8	04/11/2012 22:58	04/11/2012 22:58
UNK10701AA	280-27123-9	04/11/2012 23:14	04/11/2012 23:14
UNK10702AA	280-27123-10	04/11/2012 23:31	04/11/2012 23:31
UNK10702AA MS	280-27123-10 MS	04/11/2012 23:47	
UNK10702AA MSD	280-27123-10 MSD	04/12/2012 00:04	
UNK10101AA	280-27123-1	04/16/2012 21:26	04/16/2012 21:26
UNK10201AA	280-27123-2	04/16/2012 21:43	
UNK10301AA	280-27123-3	04/16/2012 22:00	
UNK10401AA	280-27123-4	04/16/2012 22:18	
UNK10501AA	280-27123-5	04/16/2012 22:35	
UNK10502AA	280-27123-6	04/16/2012 22:52	
UNK10601AA	280-27123-7	04/16/2012 23:09	
UNK10602AA	280-27123-8	04/16/2012 23:26	
UNK10701AA	280-27123-9	04/16/2012 23:44	
UNK10702AA	280-27123-10	04/17/2012 00:01	

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: MB 280-113965/1-A

Matrix: Water Date Extracted: 04/02/2012 17:50

Lab File ID:(1) 04050054.D Lab File ID:(2) 04050054.D

Date Analyzed:(1) 04/05/2012 23:32 Date Analyzed:(2) 04/05/2012 23:32

Instrument ID:(1) GCS_P1 Instrument ID:(2) GCS_P1

GC Column:(1) CLP1 ID: 0.32(mm) GC Column:(2) CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-113965/5-A	04/05/2012 22:42	
	LCS 280-113965/2-A	04/05/2012 22:59	04/05/2012 22:59
032712AE	280-27123-11	04/05/2012 23:15	04/05/2012 23:15

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: CCVRT 280-114395/3 Date Analyzed: 04/05/2012 11:33

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 04050011.D Heated Purge: (Y/N) N

Calibration ID: 8842

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.92	9.21	
UPPER LIMIT				3.93	9.22	
LOWER LIMIT				3.91	9.20	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-114395/3		04/05/2012 11:33	04050011.D	3.92	9.21	
CCV 280-114395/22		04/05/2012 22:09	04050049.D	3.92	9.21	
LCS 280-113965/5-A		04/05/2012 22:42	04050051.D	3.92	9.21	
LCS 280-113965/2-A		04/05/2012 22:59	04050052.D	3.92	9.21	
280-27123-11	032712AE	04/05/2012 23:15	04050053.D	3.92	9.21	
MB 280-113965/1-A		04/05/2012 23:32	04050054.D	3.92	9.21	
CCV 280-114395/35		04/06/2012 01:46	04050062.D	3.92	9.21	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: CCVRT 280-114395/3 Date Analyzed: 04/05/2012 11:33

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 04050011.D Heated Purge: (Y/N) N

Calibration ID: 8846

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.79	9.33	
UPPER LIMIT				3.80	9.34	
LOWER LIMIT				3.78	9.32	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-114395/3		04/05/2012 11:33	04050011.D	3.79	9.33	
CCV 280-114395/22		04/05/2012 22:09	04050049.D	3.79	9.33	
LCS 280-113965/2-A		04/05/2012 22:59	04050052.D	3.79	9.33	
280-27123-11	032712AE	04/05/2012 23:15	04050053.D	3.79	9.33	
MB 280-113965/1-A		04/05/2012 23:32	04050054.D	3.79	9.33	
CCV 280-114395/35		04/06/2012 01:46	04050062.D	3.79	9.33	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: CCVRT 280-115240/3 Date Analyzed: 04/11/2012 11:19

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 04110011.D Heated Purge: (Y/N) N

Calibration ID: 8842

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.92	9.21	
UPPER LIMIT				3.93	9.22	
LOWER LIMIT				3.91	9.20	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-115240/3		04/11/2012 11:19	04110011.D	3.92	9.21	
CCV 280-115240/17		04/11/2012 18:15	04110036.D	3.92	9.21	
MB 280-113973/1-A		04/11/2012 18:48	04110038.D	3.92	9.21	
LCS 280-113973/26-A		04/11/2012 19:05	04110039.D	3.92	9.21	
LCS 280-113973/2-A		04/11/2012 19:21	04110040.D	3.92	9.21	
280-27123-1	UNK10101AA	04/11/2012 19:38	04110041.D	3.92	9.21	
280-27123-2	UNK10201AA	04/11/2012 19:55	04110042.D	3.92	9.21	
280-27123-2 MS	UNK10201AA MS	04/11/2012 20:11	04110043.D	3.92	9.22	
280-27123-2 MSD	UNK10201AA MSD	04/11/2012 20:28	04110044.D	3.92	9.21	
280-27123-3	UNK10301AA	04/11/2012 20:45	04110045.D	3.92	9.22	
280-27123-4	UNK10401AA	04/11/2012 21:01	04110046.D	3.92	9.22	
CCV 280-115240/29		04/11/2012 21:34	04110048.D	3.92	9.21	
280-27123-5	UNK10501AA	04/11/2012 22:08	04110050.D	3.92	9.22	
280-27123-6	UNK10502AA	04/11/2012 22:24	04110051.D	3.92	9.21	
280-27123-7	UNK10601AA	04/11/2012 22:41	04110052.D	3.92	9.21	
280-27123-8	UNK10602AA	04/11/2012 22:58	04110053.D	3.92	9.21	
280-27123-9	UNK10701AA	04/11/2012 23:14	04110054.D	3.92	9.22	
280-27123-10	UNK10702AA	04/11/2012 23:31	04110055.D	3.92	9.21	
280-27123-10 MS	UNK10702AA MS	04/11/2012 23:47	04110056.D	3.92	9.21	
CCV 280-115240/40		04/12/2012 00:38	04110059.D	3.92	9.21	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: CCVRT 280-115240/3 Date Analyzed: 04/11/2012 11:19

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 04110011.D Heated Purge: (Y/N) N

Calibration ID: 8846

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.79	9.33	
UPPER LIMIT				3.80	9.34	
LOWER LIMIT				3.78	9.32	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-115240/3		04/11/2012 11:19	04110011.D	3.79	9.33	
CCV 280-115240/17		04/11/2012 18:15	04110036.D	3.79	9.33	
MB 280-113973/1-A		04/11/2012 18:48	04110038.D	3.79	9.33	
LCS 280-113973/2-A		04/11/2012 19:21	04110040.D	3.79	9.33	
280-27123-1	UNK10101AA	04/11/2012 19:38	04110041.D	3.79	9.33	
280-27123-2	UNK10201AA	04/11/2012 19:55	04110042.D	3.79	9.33	
280-27123-2 MS	UNK10201AA MS	04/11/2012 20:11	04110043.D	3.79	9.33	
280-27123-2 MSD	UNK10201AA MSD	04/11/2012 20:28	04110044.D	3.79	9.32	
280-27123-3	UNK10301AA	04/11/2012 20:45	04110045.D	3.79	9.33	
280-27123-4	UNK10401AA	04/11/2012 21:01	04110046.D	3.79	9.33	
CCV 280-115240/29		04/11/2012 21:34	04110048.D	3.79	9.33	
280-27123-5	UNK10501AA	04/11/2012 22:08	04110050.D	3.79	9.32	
280-27123-6	UNK10502AA	04/11/2012 22:24	04110051.D	3.79	9.33	
280-27123-7	UNK10601AA	04/11/2012 22:41	04110052.D	3.79	9.32	
280-27123-8	UNK10602AA	04/11/2012 22:58	04110053.D	3.79	9.33	
280-27123-9	UNK10701AA	04/11/2012 23:14	04110054.D	3.79	9.32	
280-27123-10	UNK10702AA	04/11/2012 23:31	04110055.D	3.79	9.33	
CCV 280-115240/40		04/12/2012 00:38	04110059.D	3.79	9.33	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: CCVRT 280-115801/3 Date Analyzed: 04/16/2012 11:59

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 04160011.D Heated Purge: (Y/N) N

Calibration ID: 8842

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.92	9.21	
UPPER LIMIT				3.93	9.22	
LOWER LIMIT				3.91	9.20	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-115801/3		04/16/2012 11:59	04160011.D	3.92	9.21	
CCV 280-115801/6		04/16/2012 20:52	04160042.D	3.92	9.21	
280-27123-1	UNK10101AA	04/16/2012 21:26	04160044.D	3.92	9.21	
280-27123-2	UNK10201AA	04/16/2012 21:43	04160045.D	3.92	9.21	
280-27123-3	UNK10301AA	04/16/2012 22:00	04160046.D	3.92	9.21	
280-27123-4	UNK10401AA	04/16/2012 22:18	04160047.D	3.92	9.21	
280-27123-5	UNK10501AA	04/16/2012 22:35	04160048.D	3.92	9.22	
280-27123-6	UNK10502AA	04/16/2012 22:52	04160049.D	3.92	9.21	
280-27123-7	UNK10601AA	04/16/2012 23:09	04160050.D	3.92	9.21	
280-27123-8	UNK10602AA	04/16/2012 23:26	04160051.D	3.92	9.21	
280-27123-9	UNK10701AA	04/16/2012 23:44	04160052.D	3.92	9.21	
280-27123-10	UNK10702AA	04/17/2012 00:01	04160053.D	3.92	9.21	
CCV 280-115801/19		04/17/2012 00:35	04160055.D	3.92	9.21	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: CCVRT 280-115801/3 Date Analyzed: 04/16/2012 11:59

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 04160011.D Heated Purge: (Y/N) N

Calibration ID: 8846

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.79	9.32	
UPPER LIMIT				3.80	9.33	
LOWER LIMIT				3.78	9.31	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-115801/3		04/16/2012 11:59	04160011.D	3.79	9.32	
CCV 280-115801/6		04/16/2012 20:52	04160042.D	3.79	9.32	
280-27123-1	UNK10101AA	04/16/2012 21:26	04160044.D	3.79	9.32	
CCV 280-115801/19		04/17/2012 00:35	04160055.D	3.79	9.32	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA Lab Sample ID: 280-27123-1

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 19:38 Date Analyzed (2): 04/11/2012 19:38

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.44	6.43	6.46	13		7.9
	2		6.42	6.41	6.44	14		
Dieldrin	1		6.75	6.74	6.77	0.74		1.4
	2		6.58	6.57	6.60	0.75		
4,4'-DDD	1		7.05	7.04	7.06	2.0		52.1
	2		7.00	6.99	7.02	3.5		
4,4'-DDT	1		7.32	7.31	7.34	56		3.3
	2		7.31	7.30	7.32	54		
Methoxychlor	1		7.78	7.77	7.79	2.6		6.3
	2		7.95	7.94	7.97	2.7		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA Lab Sample ID: 280-27123-1

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/16/2012 21:26 Date Analyzed (2): 04/16/2012 21:26

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.44	6.43	6.45	13		12.5
	2		6.42	6.41	6.43	15		
4,4'-DDT	1		7.32	7.31	7.33	56		0.7
	2		7.30	7.29	7.32	56		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA Lab Sample ID: 280-27123-2

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 19:55 Date Analyzed (2): 04/11/2012 19:55

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.44	6.43	6.46	1.3		83.8
	2		6.42	6.41	6.44	0.52		
4,4'-DDT	1		7.32	7.31	7.34	5.0		15.7
	2		7.31	7.30	7.32	4.3		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA MS Lab Sample ID: 280-27123-2 MS

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 20:11 Date Analyzed (2): 04/11/2012 20:11

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.51	4.49	4.52	15.0		10.6
	2		4.41	4.40	4.43	13.5		
gamma-BHC (Lindane)	1		4.80	4.79	4.81	15.4		6.4
	2		4.73	4.72	4.74	14.4		
beta-BHC	1		4.88	4.87	4.89	12.1		11.5
	2		4.81	4.79	4.82	10.8		
delta-BHC	1		5.03	5.02	5.04	14.0		10.8
	2		5.04	5.03	5.05	12.6		
Heptachlor	1		5.21	5.20	5.22	15.5		11.6
	2		5.08	5.07	5.10	13.8		
Aldrin	1		5.48	5.47	5.49	15.0		10.3
	2		5.35	5.34	5.37	13.5		
Heptachlor epoxide	1		6.09	6.08	6.11	15.2		7.9
	2		5.89	5.88	5.91	14.0		
gamma-Chlordane	1		6.22	6.21	6.24	13.5		14.4
	2		6.09	6.08	6.11	11.7		
alpha-Chlordane	1		6.36	6.35	6.38	12.5		6.6
	2		6.24	6.23	6.26	13.3		
4,4'-DDE	1		6.44	6.43	6.46	15.5		15.3
	2		6.42	6.41	6.44	13.3		
Endosulfan I	1		6.51	6.49	6.52	15.1		16.3
	2		6.30	6.29	6.32	12.8		
Dieldrin	1		6.75	6.74	6.77	14.8		16.1
	2		6.58	6.57	6.60	12.6		
Endrin	1		6.99	6.97	7.00	21.6		33.9
	2		6.89	6.87	6.90	15.4		
4,4'-DDD	1		7.05	7.04	7.06	12.7		28.9
	2		7.00	6.99	7.02	17.1		
Endosulfan II	1		7.21	7.20	7.22	13.7		26.9
	2		7.10	7.08	7.11	18.0		
4,4'-DDT	1		7.32	7.31	7.34	24.4		10.1
	2		7.31	7.30	7.32	22.0		
Endrin aldehyde	1		7.61	7.60	7.63	10.4		34.5
	2		7.42	7.41	7.43	14.7		
Methoxychlor	1		7.78	7.77	7.79	15.9		29.2
	2		7.96	7.94	7.97	21.4		
Endosulfan sulfate	1		8.03	8.01	8.04	16.4		13.0
	2		7.68	7.67	7.70	18.7		
Endrin ketone	1		8.28	8.27	8.30	21.6		32.5
	2		8.17	8.16	8.19	15.5		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA MSD Lab Sample ID: 280-27123-2 MSD

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 20:28 Date Analyzed (2): 04/11/2012 20:28

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.51	4.49	4.52	14.8		1.3
	2		4.41	4.40	4.43	14.7		
gamma-BHC (Lindane)	1		4.80	4.79	4.81	14.4		4.0
	2		4.73	4.72	4.74	15.0		
beta-BHC	1		4.88	4.87	4.89	14.1		24.7
	2		4.81	4.79	4.82	11.0		
delta-BHC	1		5.03	5.02	5.04	12.6		3.0
	2		5.04	5.03	5.05	12.2		
Heptachlor	1		5.21	5.20	5.22	12.6		4.5
	2		5.09	5.07	5.10	12.1		
Aldrin	1		5.48	5.47	5.49	14.8		3.8
	2		5.35	5.34	5.37	14.2		
Heptachlor epoxide	1		6.09	6.08	6.11	14.6		0.6
	2		5.89	5.88	5.91	14.5		
gamma-Chlordane	1		6.22	6.21	6.24	13.4		14.0
	2		6.09	6.08	6.11	11.7		
alpha-Chlordane	1		6.36	6.35	6.38	13.4		1.6
	2		6.24	6.23	6.26	13.2		
4,4'-DDE	1		6.44	6.43	6.46	15.0		14.3
	2		6.42	6.41	6.44	13.0		
Endosulfan I	1		6.51	6.49	6.52	13.8		6.0
	2		6.30	6.29	6.32	13.0		
Dieldrin	1		6.75	6.74	6.77	15.0		17.0
	2		6.58	6.57	6.60	12.6		
Endrin	1		6.99	6.97	7.00	15.9		15.8
	2		6.89	6.87	6.90	13.5		
4,4'-DDD	1		7.05	7.04	7.06	11.5		15.1
	2		7.00	6.99	7.02	13.4		
Endosulfan II	1		7.21	7.20	7.22	12.6		10.6
	2		7.09	7.08	7.11	14.1		
4,4'-DDT	1		7.32	7.31	7.34	17.4		8.8
	2		7.31	7.30	7.32	15.9		
Endrin aldehyde	1		7.61	7.60	7.63	6.50		9.2
	2		7.42	7.41	7.43	7.13		
Methoxychlor	1		7.78	7.77	7.79	13.9		48.7
	2		7.95	7.94	7.97	8.48		
Endosulfan sulfate	1		8.03	8.01	8.04	10.7		14.3
	2		7.68	7.67	7.70	12.4		
Endrin ketone	1		8.28	8.27	8.30	13.9		8.2
	2		8.17	8.16	8.19	12.8		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA Lab Sample ID: 280-27123-3

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 20:45 Date Analyzed (2): 04/11/2012 20:45

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.44	6.43	6.46	1.8		51.8
	2		6.42	6.41	6.44	1.1		
4,4'-DDT	1		7.32	7.31	7.34	16		14.2
	2		7.31	7.30	7.32	19		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA Lab Sample ID: 280-27123-4

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 21:01 Date Analyzed (2): 04/11/2012 21:01

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.44	6.43	6.46	2.3		31.2
	2		6.42	6.41	6.44	1.7		
4,4'-DDT	1		7.32	7.31	7.34	2.1		20.4
	2		7.31	7.30	7.32	2.6		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA Lab Sample ID: 280-27123-5

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 22:08 Date Analyzed (2): 04/11/2012 22:08

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.44	6.43	6.46	2.0		3.3
	2		6.42	6.41	6.44	2.0		
4,4'-DDT	1		7.32	7.31	7.34	1.5		32.9
	2		7.31	7.30	7.32	2.1		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA Lab Sample ID: 280-27123-7

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 22:41 Date Analyzed (2): 04/11/2012 22:41

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		7.32	7.31	7.34	2.5		3.6
	2		7.31	7.30	7.32	2.4		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA Lab Sample ID: 280-27123-9

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 23:14 Date Analyzed (2): 04/11/2012 23:14

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.44	6.43	6.46	5.6		8.9
	2		6.42	6.41	6.44	6.2		
Dieldrin	1		6.74	6.74	6.77	1.5		115.7
	2		6.58	6.57	6.60	0.39		
4,4'-DDT	1		7.32	7.31	7.34	15		7.7
	2		7.31	7.30	7.32	16		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA MS Lab Sample ID: 280-27123-10 MS

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 23:47 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Toxaphene	1	1	5.66	5.64	5.67	16.8	46.5	
		3	7.07	7.06	7.09	74.3		
		4	7.64	7.63	7.66	39.5		
		5	7.93	7.92	7.95	55.5		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA MSD Lab Sample ID: 280-27123-10 MSD

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/12/2012 00:04 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Toxaphene	1	1	5.66	5.64	5.67	12.6	40.9	
		2	6.35	6.32	6.35	4.65		
		3	7.07	7.06	7.09	75.9		
		4	7.64	7.63	7.66	40.0		
		5	7.93	7.92	7.95	71.3		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-113965/2-A

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/05/2012 22:59 Date Analyzed (2): 04/05/2012 22:59

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.50	4.49	4.52	0.473		0.0
	2		4.41	4.40	4.43	0.473		
gamma-BHC (Lindane)	1		4.80	4.78	4.81	0.476		0.7
	2		4.73	4.72	4.74	0.479		
beta-BHC	1		4.88	4.86	4.89	0.480		1.3
	2		4.80	4.79	4.82	0.487		
delta-BHC	1		5.03	5.01	5.04	0.489		0.6
	2		5.04	5.03	5.05	0.492		
Heptachlor	1		5.21	5.19	5.22	0.454		0.4
	2		5.08	5.07	5.10	0.456		
Aldrin	1		5.48	5.47	5.49	0.428		0.7
	2		5.35	5.34	5.37	0.425		
Heptachlor epoxide	1		6.09	6.08	6.10	0.487		0.4
	2		5.89	5.88	5.90	0.489		
gamma-Chlordane	1		6.22	6.21	6.24	0.482		1.5
	2		6.09	6.08	6.10	0.475		
alpha-Chlordane	1		6.36	6.35	6.38	0.497		4.3
	2		6.24	6.23	6.26	0.476		
4,4'-DDE	1		6.44	6.43	6.46	0.502		2.2
	2		6.42	6.41	6.44	0.491		
Endosulfan I	1		6.51	6.49	6.52	0.485		0.2
	2		6.30	6.29	6.31	0.486		
Dieldrin	1		6.75	6.74	6.77	0.503		1.5
	2		6.58	6.57	6.59	0.496		
Endrin	1		6.99	6.97	7.00	0.598		0.4
	2		6.88	6.87	6.90	0.600		
4,4'-DDD	1		7.05	7.03	7.06	0.459		9.2
	2		7.00	6.99	7.02	0.503		
Endosulfan II	1		7.21	7.19	7.22	0.491		0.2
	2		7.09	7.08	7.11	0.490		
4,4'-DDT	1		7.32	7.31	7.33	0.527		2.8
	2		7.31	7.30	7.32	0.542		
Endrin aldehyde	1		7.61	7.60	7.63	0.452		1.8
	2		7.42	7.41	7.43	0.460		
Methoxychlor	1		7.78	7.77	7.79	0.537		3.4
	2		7.96	7.94	7.97	0.555		
Endosulfan sulfate	1		8.02	8.01	8.04	0.496		0.4
	2		7.68	7.67	7.70	0.499		
Endrin ketone	1		8.28	8.27	8.30	0.493		0.6
	2		8.17	8.16	8.19	0.495		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-113965/5-A

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/05/2012 22:42 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Toxaphene	1	1	5.66	5.64	5.67	0.487	1.41	
		2	6.34	6.32	6.35	0.504		
		3	7.07	7.06	7.09	1.88		
		4	7.64	7.63	7.66	1.55		
		5	7.93	7.92	7.95	2.62		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-113973/2-A

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 19:21 Date Analyzed (2): 04/11/2012 19:21

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.51	4.49	4.52	15.4		1.1
	2		4.41	4.40	4.43	15.2		
gamma-BHC (Lindane)	1		4.80	4.79	4.81	15.5		1.4
	2		4.73	4.72	4.74	15.3		
beta-BHC	1		4.88	4.87	4.89	15.6		1.2
	2		4.81	4.79	4.82	15.4		
delta-BHC	1		5.03	5.02	5.04	16.0		1.5
	2		5.04	5.03	5.05	15.7		
Heptachlor	1		5.21	5.20	5.22	16.4		3.8
	2		5.09	5.07	5.10	15.8		
Aldrin	1		5.48	5.47	5.49	16.1		2.3
	2		5.35	5.34	5.37	15.7		
Heptachlor epoxide	1		6.09	6.08	6.11	16.3		1.1
	2		5.89	5.88	5.91	16.1		
gamma-Chlordane	1		6.22	6.21	6.24	16.9		6.1
	2		6.09	6.08	6.11	15.9		
alpha-Chlordane	1		6.36	6.35	6.38	16.6		4.3
	2		6.24	6.23	6.26	15.9		
4,4'-DDE	1		6.44	6.43	6.46	17.2		3.8
	2		6.42	6.41	6.44	16.5		
Endosulfan I	1		6.51	6.49	6.52	16.4		1.9
	2		6.30	6.29	6.32	16.1		
Dieldrin	1		6.75	6.74	6.77	17.1		3.4
	2		6.58	6.57	6.60	16.6		
Endrin	1		6.99	6.97	7.00	20.7		1.7
	2		6.89	6.87	6.90	20.3		
4,4'-DDD	1		7.05	7.04	7.06	14.8		5.1
	2		7.00	6.99	7.02	15.6		
Endosulfan II	1		7.21	7.20	7.22	16.5		1.0
	2		7.09	7.08	7.11	16.3		
4,4'-DDT	1		7.32	7.31	7.34	17.8		0.6
	2		7.31	7.30	7.32	17.7		
Endrin aldehyde	1		7.61	7.60	7.63	13.8		2.0
	2		7.42	7.41	7.43	14.0		
Methoxychlor	1		7.78	7.77	7.79	17.8		1.4
	2		7.96	7.94	7.97	18.1		
Endosulfan sulfate	1		8.02	8.01	8.04	16.6		0.6
	2		7.68	7.67	7.70	16.5		
Endrin ketone	1		8.28	8.27	8.30	16.5		0.4
	2		8.17	8.16	8.19	16.4		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-113973/26-A

Instrument ID (1): GCS_P1 Instrument ID (2): GCS_P1

Date Analyzed (1): 04/11/2012 19:05 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Toxaphene	1	1	5.66	5.64	5.67	24.1	47.1	
		2	6.34	6.32	6.35	15.5		
		3	7.08	7.06	7.09	60.3		
		4	7.64	7.63	7.66	49.6		
		5	7.93	7.92	7.95	86.1		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA | Lab Sample ID: 280-27123-1

Matrix: Solid | Lab File ID: 04110041.D

Analysis Method: 8081A | Date Collected: 03/27/2012 09:55

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.5(g) | Date Analyzed: 04/11/2012 19:38

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	2.0	J Q	2.6	1.1	0.84
72-55-9	4,4'-DDE	13	Q	2.6	0.71	0.36
309-00-2	Aldrin	0.71	U Q	2.6	0.71	0.38
319-84-6	alpha-BHC	0.71	U Q	2.6	0.71	0.33
319-86-8	delta-BHC	1.1	U Q	2.6	1.1	0.61
58-89-9	gamma-BHC (Lindane)	1.1	U Q	2.6	1.1	0.71
76-44-8	Heptachlor	0.71	U Q	2.6	0.71	0.33
1024-57-3	Heptachlor epoxide	1.1	U Q	2.6	1.1	0.65
959-98-8	Endosulfan I	0.71	U Q	2.6	0.71	0.27
33213-65-9	Endosulfan II	0.71	U Q	2.6	0.71	0.44
1031-07-8	Endosulfan sulfate	0.71	U Q	2.6	0.71	0.42
72-20-8	Endrin	0.71	U Q	2.6	0.71	0.47
7421-93-4	Endrin aldehyde	0.71	U Q	2.6	0.71	0.26
53494-70-5	Endrin ketone	1.1	U Q	2.6	1.1	0.75
5103-74-2	gamma-Chlordane	1.1	U Q	2.6	1.1	0.41
72-43-5	Methoxychlor	2.6	J Q	5.1	1.1	0.69
5103-71-9	alpha-Chlordane	0.71	U Q	2.6	0.71	0.50
60-57-1	Dieldrin	0.74	J Q	2.6	0.71	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		70-125
2051-24-3	DCB Decachlorobiphenyl	1361	J Q	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110041.D
Lab Smp Id: 280-27123-A-1-N Client Smp ID: UNK10101AA
Inj Date : 11-APR-2012 19:38
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342563,23-1
Misc Info : 280-27123-A-1-N
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 35
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.500	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2	Tetrachloro-m-xylene	3.918	3.917	0.001	155410	15.2774	5.0090
3	Hexachlorobenzene	Compound Not Detected.					
4	Diallate	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	4.867	4.878	-0.011	79803	14.0588	4.6094
8	delta-BHC	Compound Not Detected.					
9	Technical Chlordane	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
13	Isodrin	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Heptachlor epoxide	Compound Not Detected.					
16	2,4'-DDE	6.082	6.079	0.003	16750	1.81001	0.59344(a)
17	Toxaphene	Compound Not Detected.					
18	gamma-Chlordane	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	4,4'-DDE	6.442	6.442	0.000	272492	25.1912	8.2594
21	Endosulfan I	Compound Not Detected.					
22	2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	6.751	6.752	-0.001	19114	1.44779	0.47469(a)
	24 2,4'-DDT	6.877	6.875	0.002	300806	40.6894	13.341
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	7.047	7.048	-0.001	53415	3.98470	1.3064(a)
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	7.322	7.322	0.000	953472	109.289	35.832(A)
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	7.779	7.780	-0.001	24727	5.01267	1.6435(a)
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.212	9.213	-0.001	1914229	272.128	89.222(AR)
	37 DBPP	10.959	10.970	-0.011	1306	395.937	129.82
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical				79803	14.0588	4.6094

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: 04110041.D

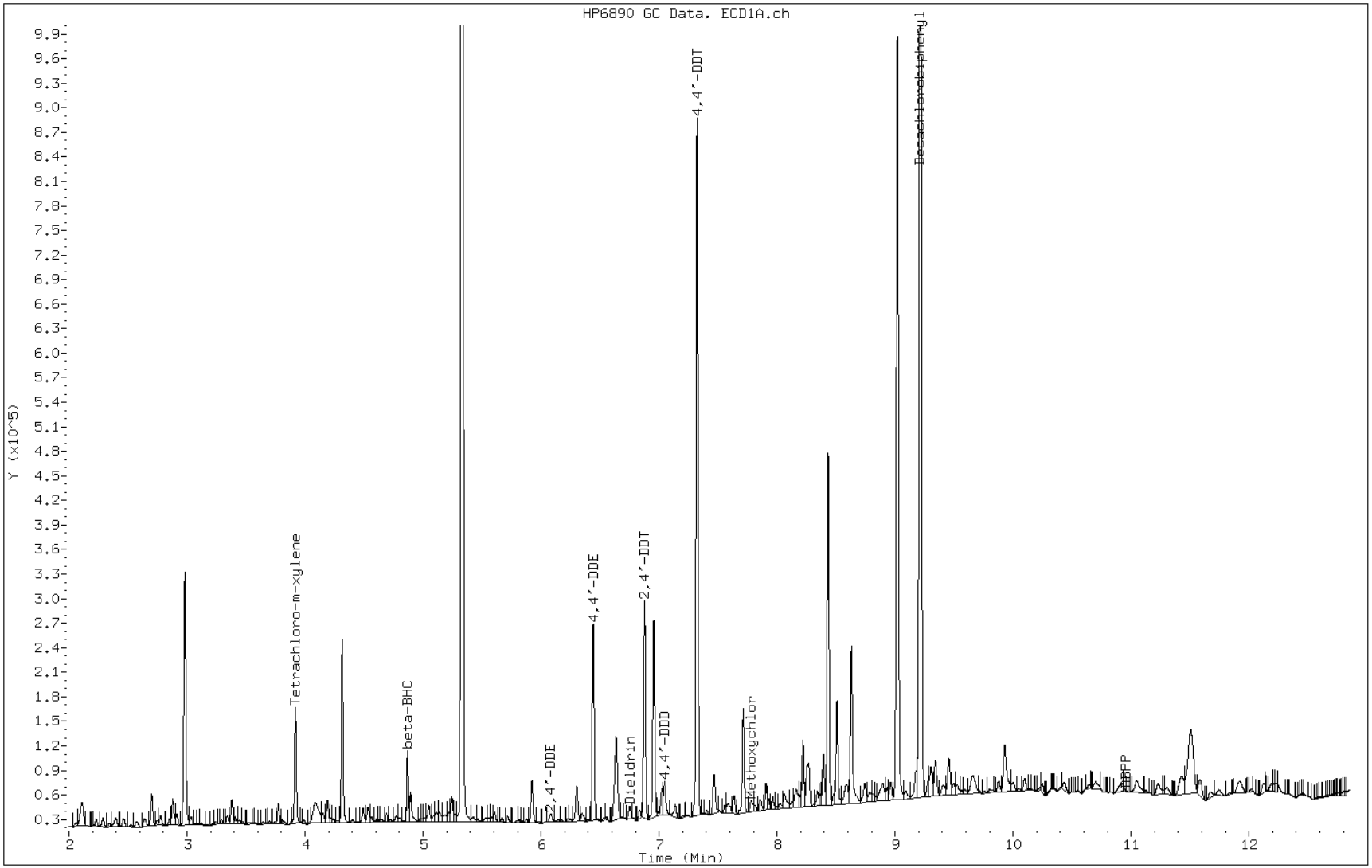
Date: 11-APR-2012 19:38

Client ID: UNK10101AA

Instrument: GC_P1.i

Sample Info: 280-1342563,23-1

Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA | Lab Sample ID: 280-27123-1

Matrix: Solid | Lab File ID: 04110041.D

Analysis Method: 8081A | Date Collected: 03/27/2012 09:55

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.5(g) | Date Analyzed: 04/11/2012 19:38

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 35.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-85-7	beta-BHC	1.1	U Q	2.6	1.1	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		70-125
2051-24-3	DCB Decachlorobiphenyl	1278	*J Q*	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110041.D
Lab Smp Id: 280-27123-A-1-N Client Smp ID: UNK10101AA
Inj Date : 11-APR-2012 19:38
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342563,23-1
Misc Info : 280-27123-A-1-N
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 35
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.500	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.788	3.787	0.001	164466	14.9145	4.8900
3 Diallate	Compound Not Detected.					
4 Hexachlorobenzene	4.262	4.269	-0.007	20862	1.27251	0.41722(a)
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Technical Chlordane	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
13 Toxaphene	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	Compound Not Detected.					
17 gamma-Chlordane	6.093	6.092	0.001	14195	1.10891	0.36358(a)
18 2,4'-DDE	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
21 4,4'-DDE	6.423	6.423	0.000	335116	27.2495	8.9343
22 Dieldrin	6.581	6.582	-0.001	18320	1.46775	0.48123(a)

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
23	2,4'-DDD	6.625	6.625	0.000	35770	4.83529	1.5853(a)
25	Endrin	Compound Not Detected.					
24	Chlorobenzilate	Compound Not Detected.					
26	2,4'-DDT	6.930	6.930	0.000	297888	37.3931	12.260
27	Kepone	Compound Not Detected.					
28	4,4'-DDD	7.003	7.003	0.000	69260	6.79272	2.2271
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	7.308	7.308	0.000	929849	105.752	34.673(A)
31	Endrin aldehyde	Compound Not Detected.					
32	Endosulfan sulfate	7.680	7.683	-0.003	37064	3.29045	1.0788(a)
33	Methoxychlor	7.954	7.956	-0.002	25464	5.33662	1.7497(a)
34	Mirex	Compound Not Detected.					
35	Endrin ketone	8.185	8.173	0.012	49477	3.90913	1.2817(a)
$ 36	Decachlorobiphenyl	9.326	9.328	-0.002	2108749	255.674	83.828(AR)
37	DBPP	Compound Not Detected.					
M 135	Chlordane NOS				14195	1.10891	0.36358(a)
M 137	Endosulfan, Total				37064		(a)
M 136	HCH, technical	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: 04110041.D

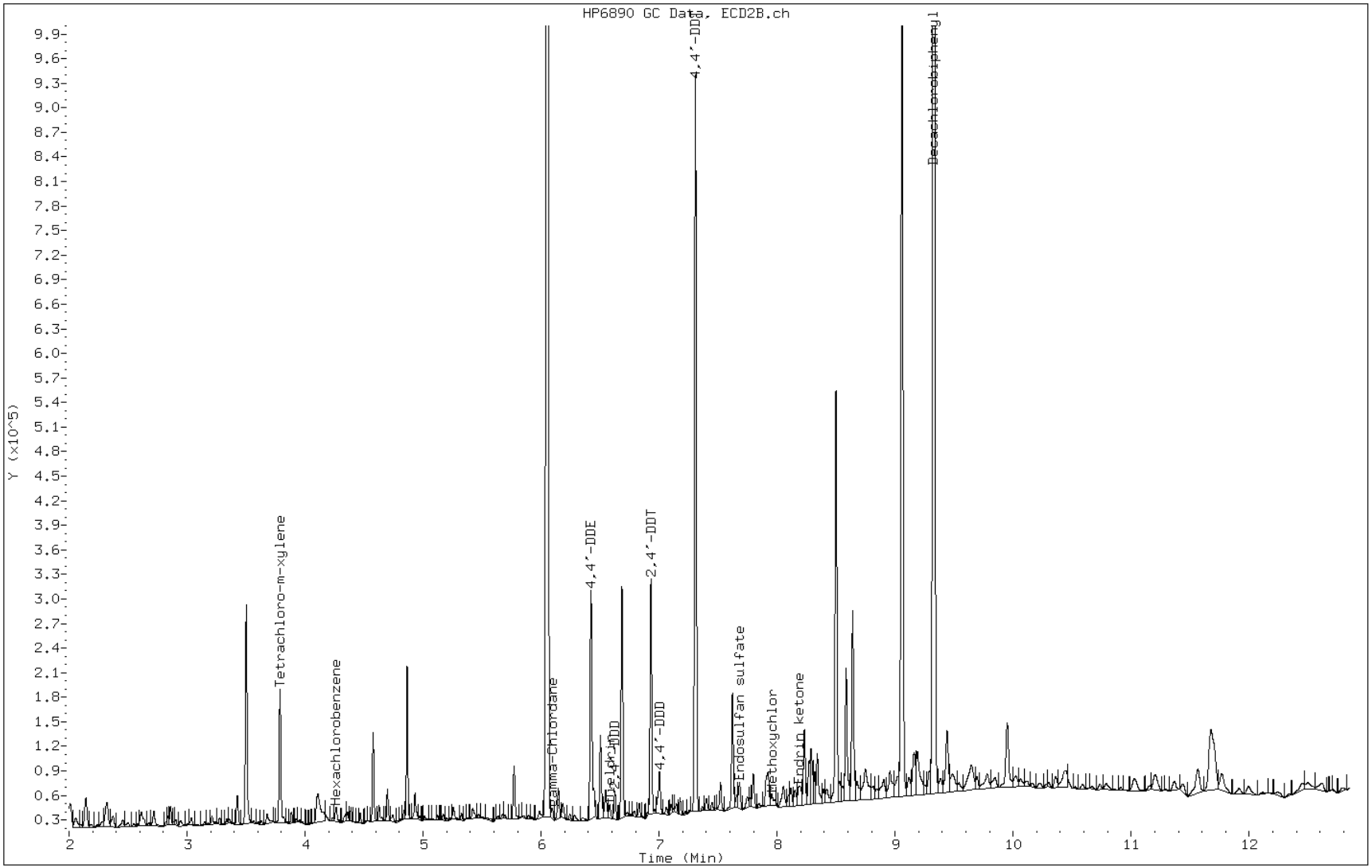
Date: 11-APR-2012 19:38

Client ID: UNK10101AA

Instrument: GC_P1.i

Sample Info: 280-1342563,23-1

Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA | Lab Sample ID: 280-27123-1

Matrix: Solid | Lab File ID: 04160044.D

Analysis Method: 8081A | Date Collected: 03/27/2012 09:55

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.5(g) | Date Analyzed: 04/16/2012 21:26

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
50-29-3	4,4'-DDT	56	D Q	15	5.3	4.5
8001-35-2	Toxaphene	210	U Q	1300	210	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71	D	70-125
2051-24-3	DCB Decachlorobiphenyl	1408	Q D	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160044.D
Lab Smp Id: 280-27123-A-1-N Client Smp ID: UNK10101AA
Inj Date : 16-APR-2012 21:26
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342563,23-1
Misc Info : 280-27123-A-1-N
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 38
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.500	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.921	3.920	0.001	33081	2.82826	4.6365(aR)
3 Hexachlorobenzene	Compound Not Detected.					
4 Diallate	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	4.866	4.878	-0.012	18983	2.72450	4.4664(a)
8 delta-BHC	Compound Not Detected.					
9 Technical Chlordane	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
13 Isodrin	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Heptachlor epoxide	Compound Not Detected.					
16 2,4'-DDE	Compound Not Detected.					
17 Toxaphene	Compound Not Detected.					
18 gamma-Chlordane	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 4,4'-DDE	6.437	6.440	-0.003	54730	5.01920	8.2282(a)
21 Endosulfan I	Compound Not Detected.					
22 2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
23	Dieldrin	Compound Not Detected.					
24	2,4'-DDT	6.874	6.876	-0.002	66665	8.83201	14.479
25	Endrin	Compound Not Detected.					
26	Kepone	Compound Not Detected.					
27	4,4'-DDD	7.044	7.045	-0.001	41022	2.66283	4.3653(a)
28	Chlorobenzilate	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	7.318	7.320	-0.002	193502	22.0453	36.140
31	Endrin aldehyde	Compound Not Detected.					
32	Methoxychlor	Compound Not Detected.					
33	Mirex	Compound Not Detected.					
34	Endosulfan sulfate	Compound Not Detected.					
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.209	9.210	-0.001	402360	56.3076	92.308(R)
37	DBPP	10.960	10.967	-0.007	2359	396.303	649.68
M 137	Chlordane NOS	Compound Not Detected.					
M 139	Endosulfan, Total	Compound Not Detected.					
M 138	HCH, technical				18983	2.72450	4.4664(a)

QC Flag Legend

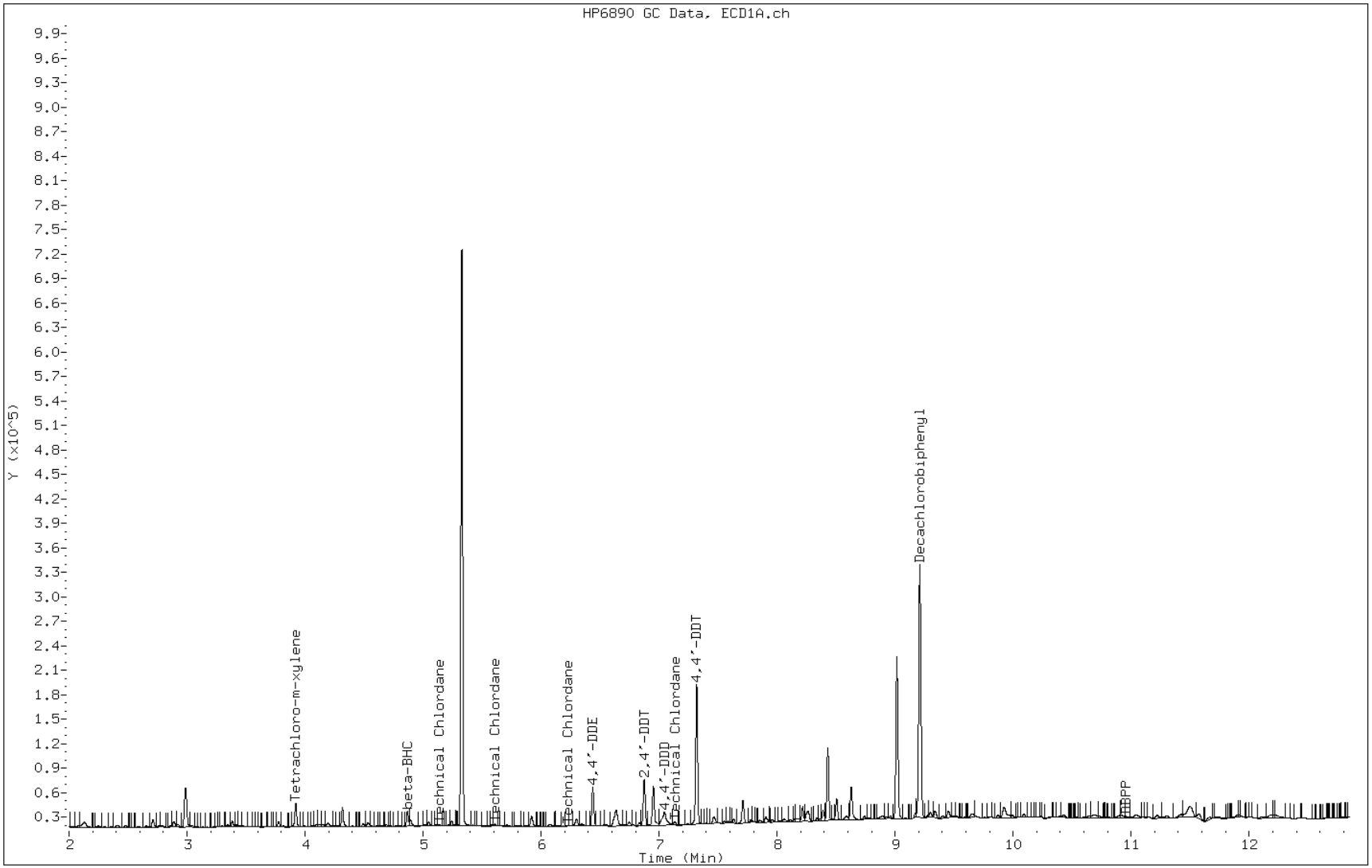
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160044.D

Date: 16-APR-2012 21:26

Client ID: UNK10101AA Instrument: GC_P1.i

Sample Info: 280-1342563,23-1 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA | Lab Sample ID: 280-27123-1

Matrix: Solid | Lab File ID: 04160044.D

Analysis Method: 8081A | Date Collected: 03/27/2012 09:55

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.5(g) | Date Analyzed: 04/16/2012 21:26

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 35.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	73	*D*	70-125
2051-24-3	DCB Decachlorobiphenyl	1406	*Q D*	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416122b.b\04160044.D
Lab Smp Id: 280-27123-A-1-N Client Smp ID: UNK10101AA
Inj Date : 16-APR-2012 21:26
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342563,23-1
Misc Info : 280-27123-A-1-N
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416122b.b\P1_8081_2.m
Meth Date : 17-Apr-2012 11:58 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 38
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.500	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
Compounds	RT	EXP RT	DLT RT	RESPONSE			
$ 2 Tetrachloro-m-xylene	3.787	3.788	-0.001	35609		2.92441	4.7941(a)
3 Diallate	Compound Not Detected.						
4 Hexachlorobenzene	Compound Not Detected.						
5 alpha-BHC	Compound Not Detected.						
6 gamma-BHC (Lindane)	Compound Not Detected.						
7 beta-BHC	Compound Not Detected.						
8 Technical Chlordane	Compound Not Detected.						
9 delta-BHC	Compound Not Detected.						
10 Heptachlor	Compound Not Detected.						
11 Aldrin	Compound Not Detected.						
13 Toxaphene	Compound Not Detected.						
12 Chlorpyrifos	Compound Not Detected.						
14 Dicofol	Compound Not Detected.						
15 Isodrin	Compound Not Detected.						
16 Heptachlor epoxide	Compound Not Detected.						
17 gamma-Chlordane	Compound Not Detected.						
18 2,4'-DDE	Compound Not Detected.						
19 alpha-Chlordane	Compound Not Detected.						
20 Endosulfan I	Compound Not Detected.						
21 4,4'-DDE	6.419	6.421	-0.002	69934		5.68659	9.3223
22 Dieldrin	Compound Not Detected.						

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
23	2,4'-DDD	6.622	6.624	-0.002	8165	0.73776	1.2094(a)
25	Endrin	Compound Not Detected.					
24	Chlorobenzilate	Compound Not Detected.					
26	2,4'-DDT	6.926	6.928	-0.002	63590	7.64629	12.535
27	Kepone	Compound Not Detected.					
28	4,4'-DDD	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	7.304	7.306	-0.002	192331	21.8991	35.900
31	Endrin aldehyde	Compound Not Detected.					
32	Endosulfan sulfate	7.677	7.681	-0.004	12563	0.84306	1.3821(a)
33	Methoxychlor	Compound Not Detected.					
34	Mirex	Compound Not Detected.					
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.322	9.324	-0.002	470593	56.2432	92.202(R)
37	DBPP	Compound Not Detected.					
M 135	Chlordane NOS	Compound Not Detected.					
M 137	Endosulfan, Total				12563		(a)
M 136	HCH, technical	Compound Not Detected.					

QC Flag Legend

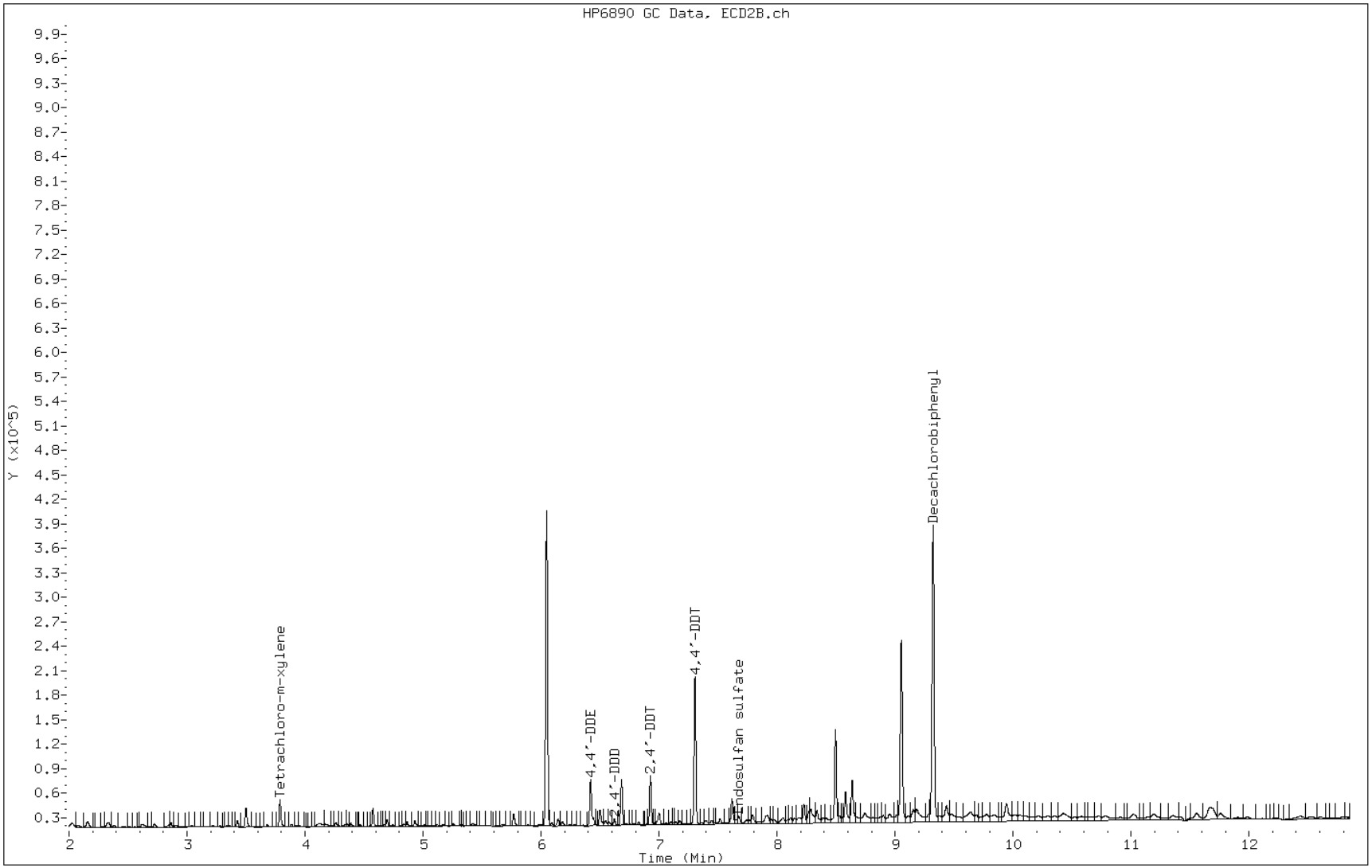
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160044.D

Date: 16-APR-2012 21:26

Client ID: UNK10101AA Instrument: GC_P1.i

Sample Info: 280-1342563,23-1 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA | Lab Sample ID: 280-27123-2

Matrix: Solid | Lab File ID: 04110042.D

Analysis Method: 8081A | Date Collected: 03/27/2012 10:20

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.1(g) | Date Analyzed: 04/11/2012 19:55

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 40.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	1.1	U Q	2.7	1.1	0.86
50-29-3	4,4'-DDT	5.0	J Q	3.1	1.1	0.92
309-00-2	Aldrin	0.72	U Q	2.7	0.72	0.39
319-84-6	alpha-BHC	0.72	U J Q	2.7	0.72	0.34
319-86-8	delta-BHC	1.1	U J Q	2.7	1.1	0.63
58-89-9	gamma-BHC (Lindane)	1.1	U J Q	2.7	1.1	0.73
76-44-8	Heptachlor	0.72	U J Q	2.7	0.72	0.34
1024-57-3	Heptachlor epoxide	1.1	U J Q	2.7	1.1	0.67
959-98-8	Endosulfan I	0.72	U Q	2.7	0.72	0.28
33213-65-9	Endosulfan II	0.72	U Q	2.7	0.72	0.45
1031-07-8	Endosulfan sulfate	0.72	U J Q	2.7	0.72	0.43
7421-93-4	Endrin aldehyde	0.72	U J Q	2.7	0.72	0.27
53494-70-5	Endrin ketone	1.1	U J Q	2.7	1.1	0.77
5103-74-2	gamma-Chlordane	1.1	U J Q	2.7	1.1	0.42
72-43-5	Methoxychlor	1.1	U J Q	5.2	1.1	0.71
5103-71-9	alpha-Chlordane	0.72	U J Q	2.7	0.72	0.51
60-57-1	Dieldrin	0.72	U J Q	2.7	0.72	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	73		70-125
2051-24-3	DCB Decachlorobiphenyl	485	Q	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110042.D
Lab Smp Id: 280-27123-A-2-F Client Smp ID: UNK10201AA
Inj Date : 11-APR-2012 19:55
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342564,-2
Misc Info : 280-27123-A-2-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 36
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.100	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2	Tetrachloro-m-xylene	3.917	3.917	0.000	148631	14.5875	4.5444
3	Hexachlorobenzene	Compound Not Detected.					
4	Diallate	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	4.866	4.878	-0.012	20072	2.92745	0.91198(a)
8	delta-BHC	Compound Not Detected.					
9	Technical Chlordane	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
13	Isodrin	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Heptachlor epoxide	Compound Not Detected.					
16	2,4'-DDE	Compound Not Detected.					
17	Toxaphene	Compound Not Detected.					
18	gamma-Chlordane	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	4,4'-DDE	6.439	6.442	-0.003	26759	2.42816	0.75644(a)
21	Endosulfan I	Compound Not Detected.					
22	2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	6.875	6.875	0.000	14538	1.73956	0.54192(a)
	25 Endrin	6.985	6.987	-0.002	18189	1.79560	0.55938(a)
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	7.322	7.322	0.000	84986	9.58784	2.9869
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.213	9.213	0.000	686999	96.9400	30.199(R)
	37 DBPP	Compound Not Detected.					
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical				20072	2.92745	0.91198(a)

QC Flag Legend

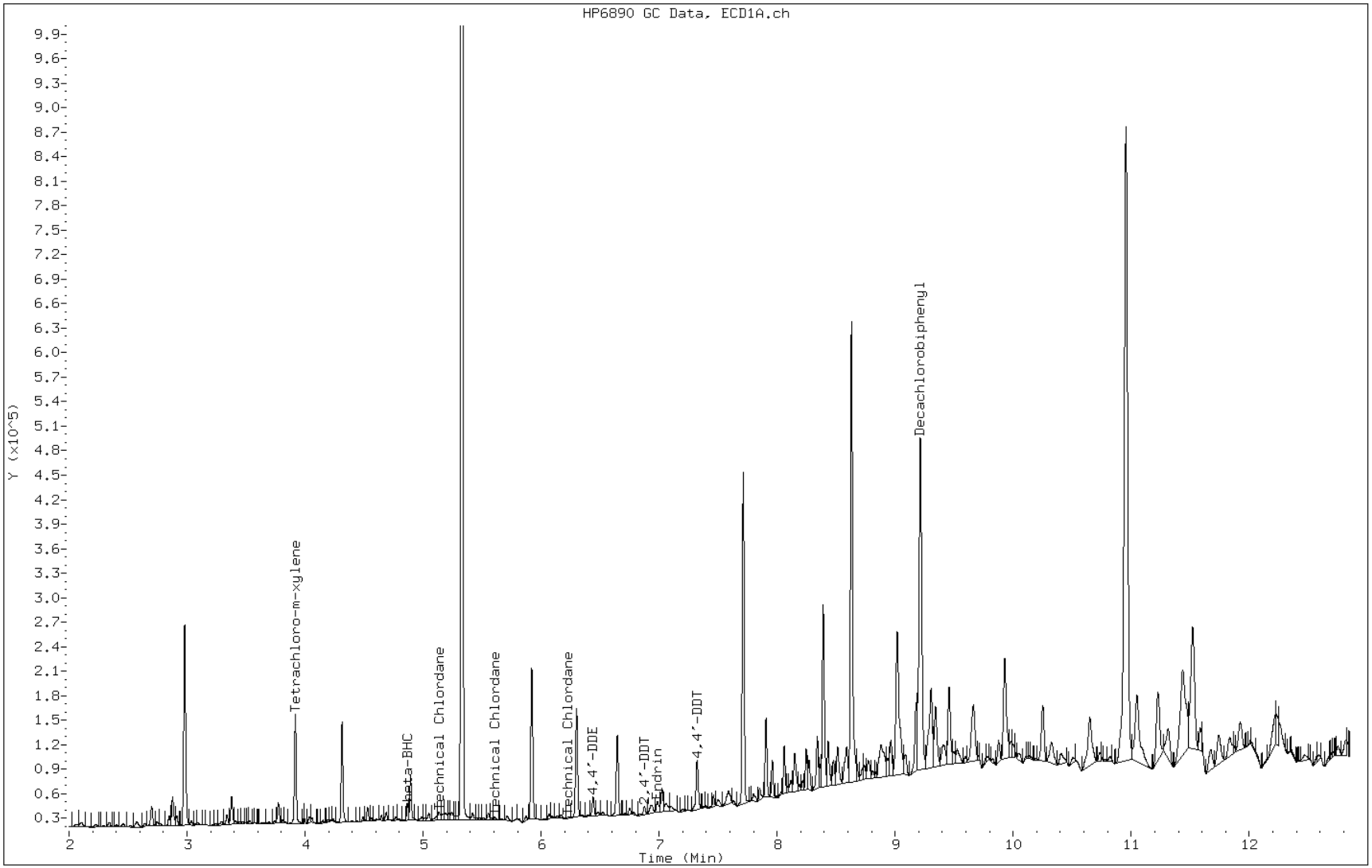
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110042.D

Date: 11-APR-2012 19:55

Client ID: UNK10201AA Instrument: GC_P1.i

Sample Info: 280-1342564,-2 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA | Lab Sample ID: 280-27123-2

Matrix: Solid | Lab File ID: 04110042.D

Analysis Method: 8081A | Date Collected: 03/27/2012 10:20

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.1(g) | Date Analyzed: 04/11/2012 19:55

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 40.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	0.52	J Q	2.7	0.72	0.37
319-85-7	beta-BHC	1.1	U J Q	2.7	1.1	1.0
72-20-8	Endrin	0.72	U J Q	2.7	0.72	0.48

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	70		70-125
2051-24-3	DCB Decachlorobiphenyl	466	Q	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110042.D
Lab Smp Id: 280-27123-A-2-F Client Smp ID: UNK10201AA
Inj Date : 11-APR-2012 19:55
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342564,-2
Misc Info : 280-27123-A-2-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 36
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.100	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.786	3.787	-0.001	155393	14.0702	4.3832(R)
3 Diallate	Compound Not Detected.					
4 Hexachlorobenzene	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Technical Chlordane	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
13 Toxaphene	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	Compound Not Detected.					
17 gamma-Chlordane	Compound Not Detected.					
18 2,4'-DDE	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
21 4,4'-DDE	6.422	6.423	-0.001	12223	0.99390	0.30962(a)
22 Dieldrin	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
23	2,4'-DDD	Compound Not Detected.					
25	Endrin	Compound Not Detected.					
24	Chlorobenzilate	Compound Not Detected.					
26	2,4'-DDT	Compound Not Detected.					
27	Kepone	Compound Not Detected.					
28	4,4'-DDD	Compound Not Detected.					
29	Endosulfan II	7.100	7.094	0.006	37373	2.90270	0.90427(a)
30	4,4'-DDT	7.307	7.308	-0.001	71789	8.19388	2.5526
31	Endrin aldehyde	Compound Not Detected.					
32	Endosulfan sulfate	7.682	7.683	-0.001	21859	1.77163	0.55191(a)
33	Methoxychlor	Compound Not Detected.					
34	Mirex	8.149	8.137	0.012	43047	4.59490	1.4314(a)
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.325	9.328	-0.003	773931	93.1720	29.026(R)
37	DBPP	11.028	11.039	-0.011	171301	437.494	136.29
M 135	Chlordane NOS	Compound Not Detected.					
M 137	Endosulfan, Total				59232		(a)
M 136	HCH, technical	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110042.D

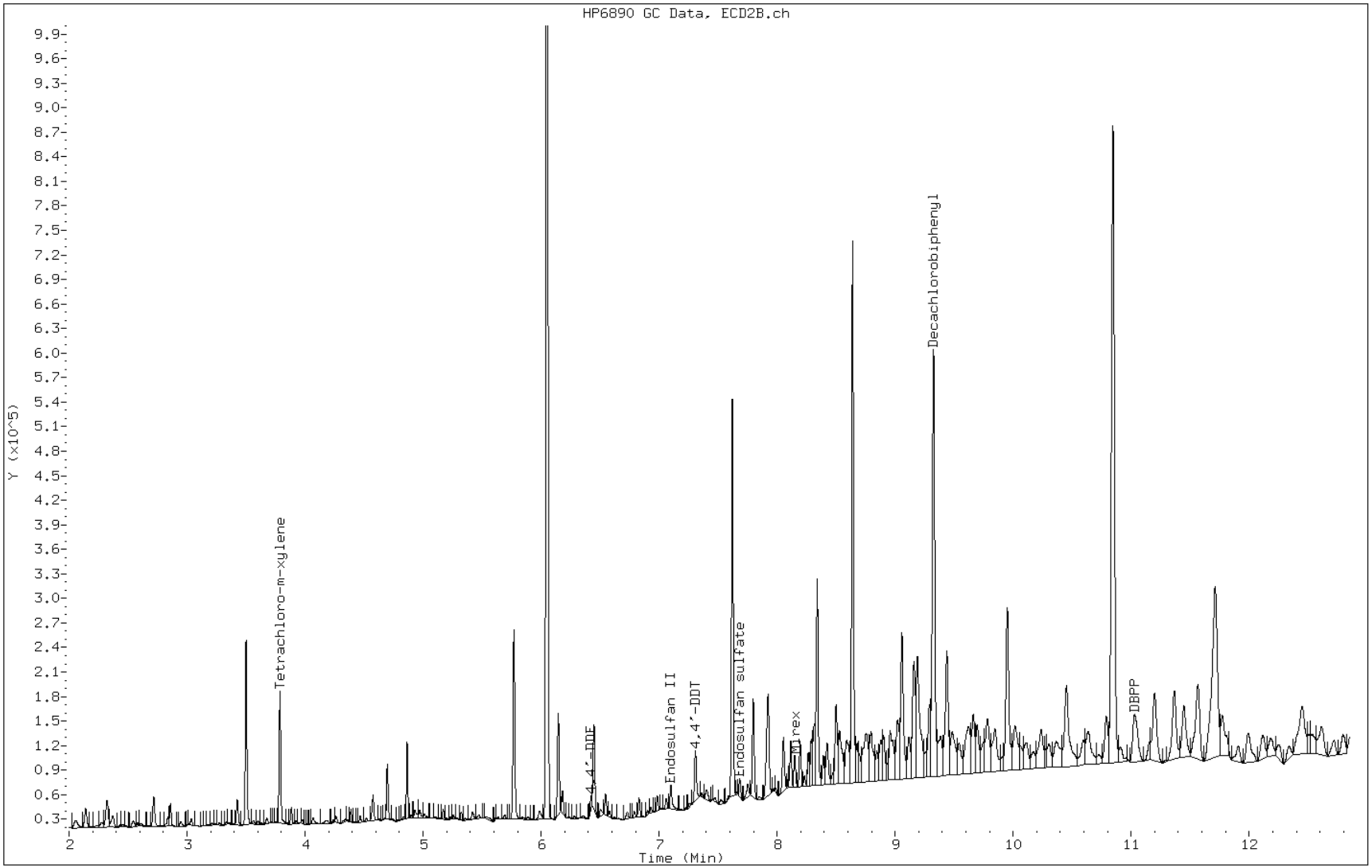
Date: 11-APR-2012 19:55

Client ID: UNK10201AA

Instrument: GC_P1.i

Sample Info: 280-1342564,-2

Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA | Lab Sample ID: 280-27123-2

Matrix: Solid | Lab File ID: 04160045.D

Analysis Method: 8081A | Date Collected: 03/27/2012 10:20

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.1(g) | Date Analyzed: 04/16/2012 21:43

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 40.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	210	U Q	1300	210	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	69	Q D	70-125
2051-24-3	DCB Decachlorobiphenyl	492	Q D	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160045.D
Lab Smp Id: 280-27123-A-2-F Client Smp ID: UNK10201AA
Inj Date : 16-APR-2012 21:43
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342564,-2
Misc Info : 280-27123-A-2-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 39
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.100	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.920	3.920	0.000	32429	2.76191	4.3020(aR)
3 Hexachlorobenzene	Compound Not Detected.					
4 Diallate	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 delta-BHC	Compound Not Detected.					
9 Technical Chlordane	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
13 Isodrin	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Heptachlor epoxide	Compound Not Detected.					
16 2,4'-DDE	Compound Not Detected.					
17 Toxaphene	Compound Not Detected.					
18 gamma-Chlordane	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 4,4'-DDE	Compound Not Detected.					
21 Endosulfan I	Compound Not Detected.					
22 2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	7.320	7.320	0.000	17823	1.87763	2.9246(a)
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.210	9.210	0.000	145908	19.6989	30.684(R)
	37 DBPP	10.967	10.967	0.000	97	395.516	616.07
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

QC Flag Legend

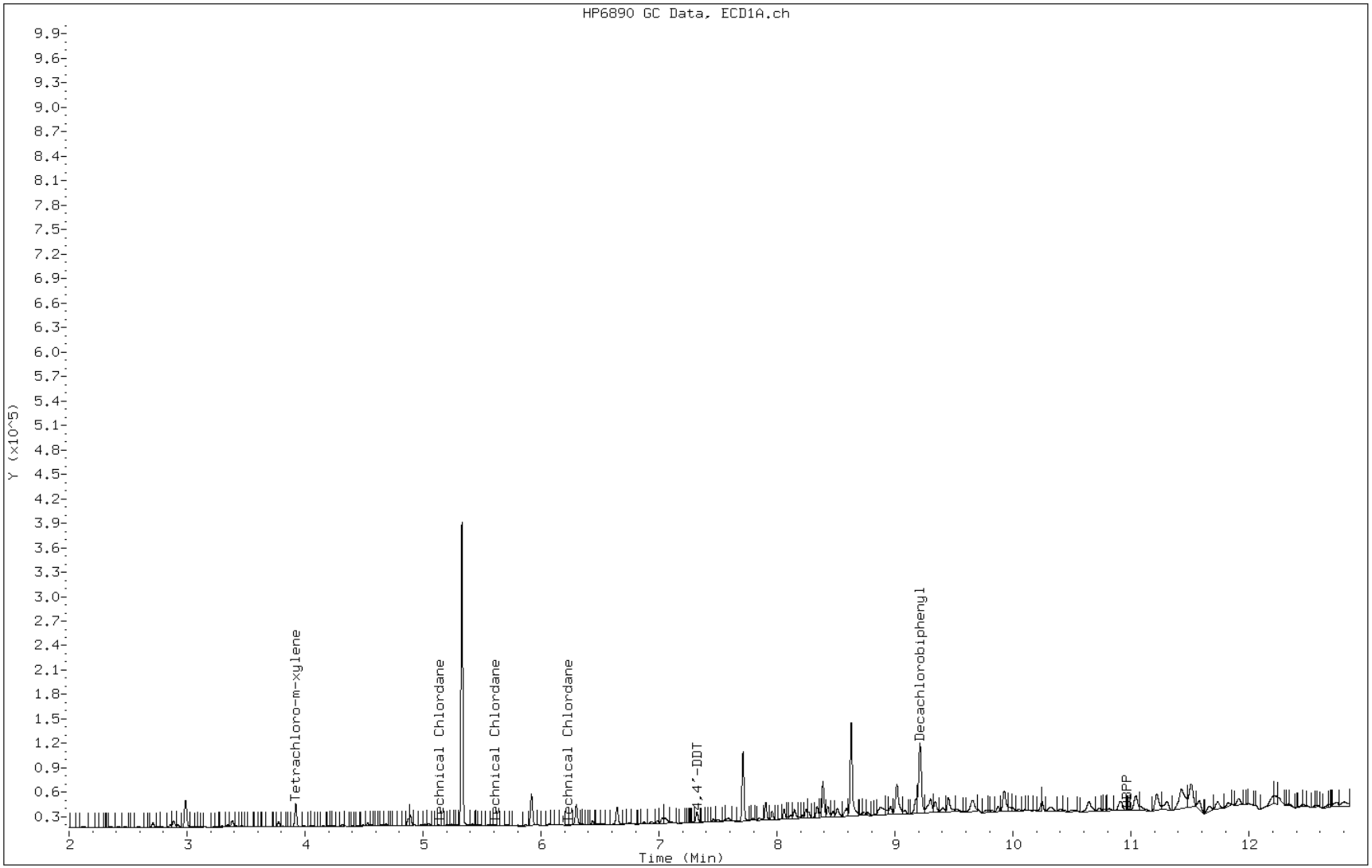
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160045.D

Date: 16-APR-2012 21:43

Client ID: UNK10201AA Instrument: GC_P1.i

Sample Info: 280-1342564,-2 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA | Lab Sample ID: 280-27123-3

Matrix: Solid | Lab File ID: 04110045.D

Analysis Method: 8081A | Date Collected: 03/27/2012 10:45

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.2(g) | Date Analyzed: 04/11/2012 20:45

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.99	U Q	2.4	0.99	0.79
50-29-3	4,4'-DDT	16	Q	2.9	0.99	0.85
309-00-2	Aldrin	0.66	U Q	2.4	0.66	0.36
319-84-6	alpha-BHC	0.66	U Q	2.4	0.66	0.31
319-86-8	delta-BHC	0.99	U Q	2.4	0.99	0.58
58-89-9	gamma-BHC (Lindane)	0.99	U Q	2.4	0.99	0.67
76-44-8	Heptachlor	0.66	U Q	2.4	0.66	0.31
1024-57-3	Heptachlor epoxide	0.99	U Q	2.4	0.99	0.61
959-98-8	Endosulfan I	0.66	U Q	2.4	0.66	0.25
33213-65-9	Endosulfan II	0.66	U Q	2.4	0.66	0.41
1031-07-8	Endosulfan sulfate	0.66	U Q	2.4	0.66	0.40
72-20-8	Endrin	0.66	U Q	2.4	0.66	0.44
7421-93-4	Endrin aldehyde	0.66	U Q	2.4	0.66	0.25
53494-70-5	Endrin ketone	0.99	U Q	2.4	0.99	0.70
5103-74-2	gamma-Chlordane	0.99	U Q	2.4	0.99	0.38
72-43-5	Methoxychlor	0.99	U Q	4.8	0.99	0.65
5103-71-9	alpha-Chlordane	0.66	U Q	2.4	0.66	0.46
60-57-1	Dieldrin	0.66	U Q	2.4	0.66	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	58	Q	70-125
2051-24-3	DCB Decachlorobiphenyl	67		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110045.D
Lab Smp Id: 280-27123-A-3-H Client Smp ID: UNK10301AA
Inj Date : 11-APR-2012 20:45
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342567,-3
Misc Info : 280-27123-A-3-H
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 39
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2	Tetrachloro-m-xylene	3.918	3.917	0.001	118398	11.5108	3.5748(R)
3	Hexachlorobenzene	Compound Not Detected.					
4	Diallate	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	4.867	4.878	-0.011	42530	7.11267	2.2089
8	delta-BHC	Compound Not Detected.					
9	Technical Chlordane	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
13	Isodrin	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Heptachlor epoxide	Compound Not Detected.					
16	2,4'-DDE	Compound Not Detected.					
17	Toxaphene	Compound Not Detected.					
18	gamma-Chlordane	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	4,4'-DDE	6.442	6.442	0.000	40918	3.73975	1.1614(a)
21	Endosulfan I	Compound Not Detected.					
22	2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	6.877	6.875	0.002	10854	1.23831	0.38457(a)
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	7.322	7.322	0.000	294844	33.6792	10.459
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.215	9.213	0.002	101674	13.3845	4.1567(R)
	37 DBPP	10.957	10.970	-0.013	35829	407.946	126.69
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical				42530	7.11267	2.2089

QC Flag Legend

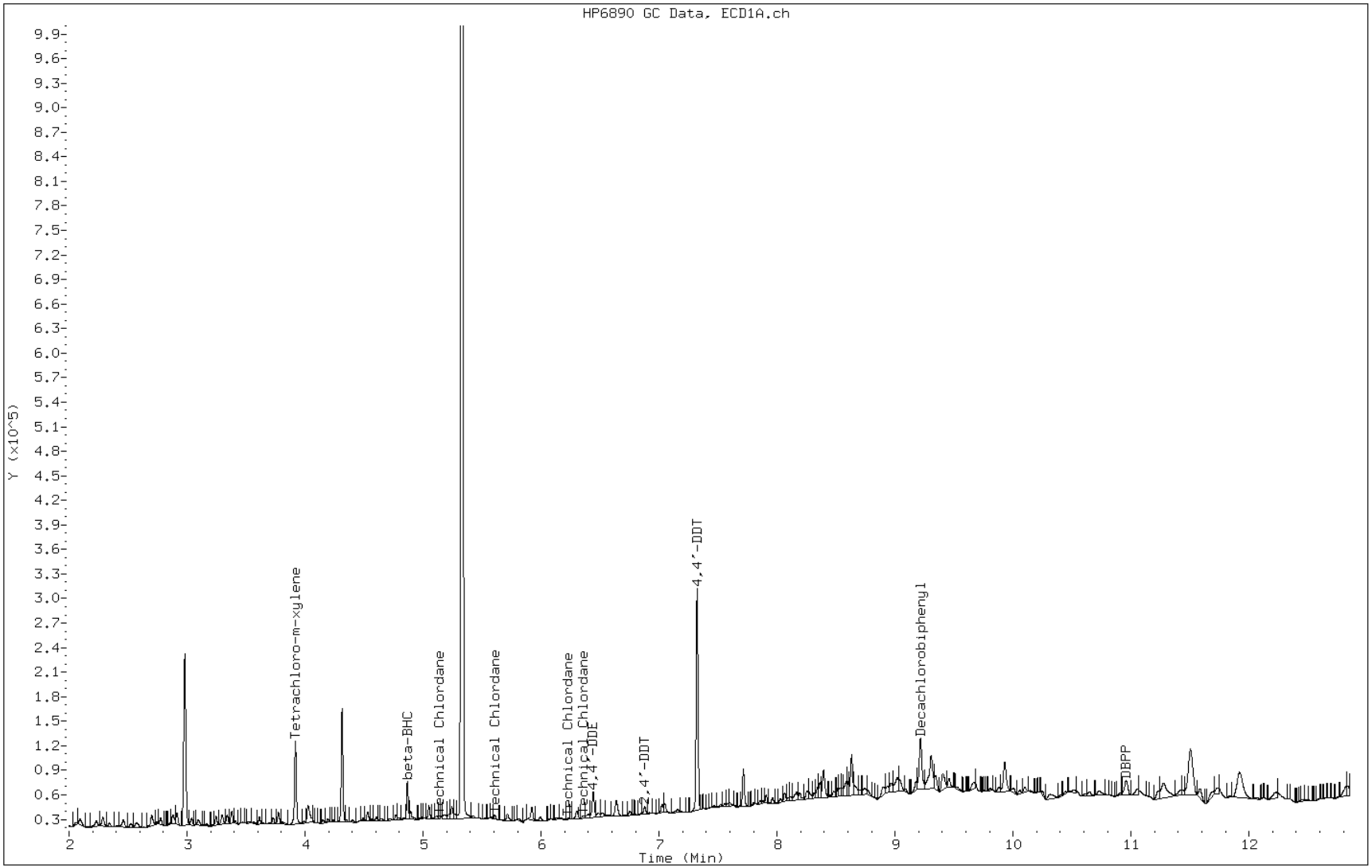
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110045.D

Date: 11-APR-2012 20:45

Client ID: UNK10301AA Instrument: GC_P1.i

Sample Info: 280-1342567,-3 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA Lab Sample ID: 280-27123-3

Matrix: Solid Lab File ID: 04110045.D

Analysis Method: 8081A Date Collected: 03/27/2012 10:45

Extraction Method: 3546 Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.2(g) Date Analyzed: 04/11/2012 20:45

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 35.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	1.1	Q J	2.4	0.66	0.34
319-85-7	beta-BHC	0.99	U Q	2.4	0.99	0.96

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	50	*Q*	70-125
2051-24-3	DCB Decachlorobiphenyl	101		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110045.D
Lab Smp Id: 280-27123-A-3-H Client Smp ID: UNK10301AA
Inj Date : 11-APR-2012 20:45
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342567,-3
Misc Info : 280-27123-A-3-H
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 39
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.788	3.787	0.001	112407	10.0704	3.1274(R)
3 Diallate	Compound Not Detected.					
4 Hexachlorobenzene	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Technical Chlordane	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
13 Toxaphene	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	Compound Not Detected.					
17 gamma-Chlordane	Compound Not Detected.					
18 2,4'-DDE	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
21 4,4'-DDE	6.423	6.423	0.000	27074	2.20149	0.68369(a)
22 Dieldrin	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
	23 2,4'-DDD	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	24 Chlorobenzilate	Compound Not Detected.					
	26 2,4'-DDT	Compound Not Detected.					
	27 Kepone	Compound Not Detected.					
	28 4,4'-DDD	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	7.308	7.308	0.000	341163	38.8207	12.056
	31 Endrin aldehyde	Compound Not Detected.					
	32 Endosulfan sulfate	7.685	7.683	0.002	14677	1.05423	0.32740(a)
	33 Methoxychlor	Compound Not Detected.					
	34 Mirex	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.326	9.328	-0.002	175346	20.2995	6.3042
	37 DBPP	11.043	11.039	0.004	25465	383.755	119.18
M	135 Chlordane NOS	Compound Not Detected.					
M	137 Endosulfan, Total				14677		(a)
M	136 HCH, technical	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110045.D

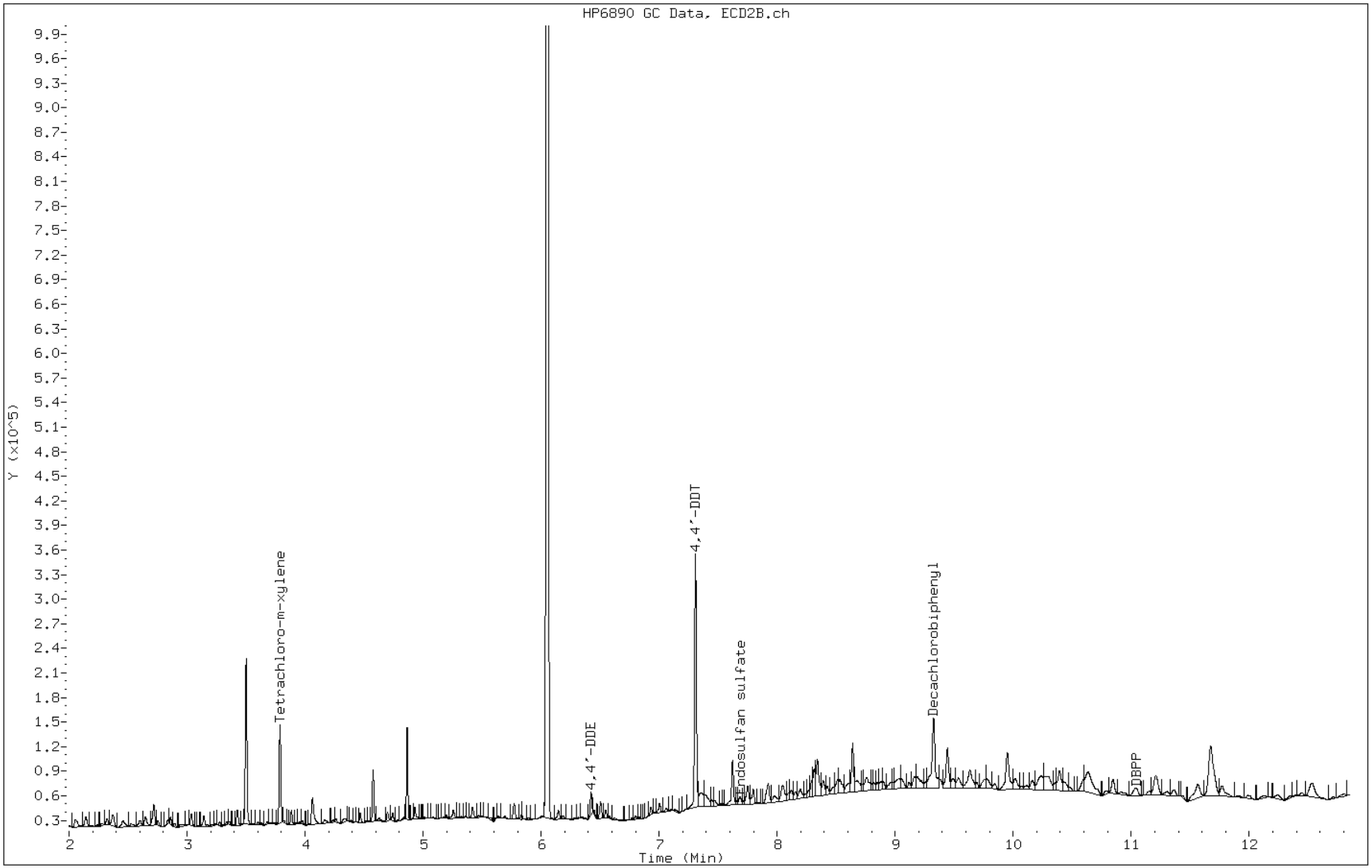
Date: 11-APR-2012 20:45

Client ID: UNK10301AA

Instrument: GC_P1.i

Sample Info: 280-1342567,-3

Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA | Lab Sample ID: 280-27123-3

Matrix: Solid | Lab File ID: 04160046.D

Analysis Method: 8081A | Date Collected: 03/27/2012 10:45

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.2(g) | Date Analyzed: 04/16/2012 22:00

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	190	U Q	1200	190	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	50	Q D	70-125
2051-24-3	DCB Decachlorobiphenyl	135	Q D	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160046.D
Lab Smp Id: 280-27123-A-3-H Client Smp ID: UNK10301AA
Inj Date : 16-APR-2012 22:00
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342567,-3
Misc Info : 280-27123-A-3-H
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 40
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
Compounds	RT	EXP RT	DLT RT	RESPONSE			
$ 2 Tetrachloro-m-xylene	3.921	3.920	0.001	25071		2.01311	3.1259(aR)
3 Hexachlorobenzene	Compound Not Detected.						
4 Diallate	Compound Not Detected.						
5 alpha-BHC	Compound Not Detected.						
6 gamma-BHC (Lindane)	Compound Not Detected.						
7 beta-BHC	Compound Not Detected.						
8 delta-BHC	Compound Not Detected.						
9 Technical Chlordane	Compound Not Detected.						
10 Heptachlor	Compound Not Detected.						
11 Aldrin	Compound Not Detected.						
12 Chlorpyrifos	Compound Not Detected.						
13 Isodrin	Compound Not Detected.						
14 Dicofol	Compound Not Detected.						
15 Heptachlor epoxide	Compound Not Detected.						
16 2,4'-DDE	Compound Not Detected.						
17 Toxaphene	Compound Not Detected.						
18 gamma-Chlordane	Compound Not Detected.						
19 alpha-Chlordane	Compound Not Detected.						
20 4,4'-DDE	6.438	6.440	-0.002	8751		0.76002	1.1802(a)
21 Endosulfan I	Compound Not Detected.						
22 2,4'-DDD	Compound Not Detected.						

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
23	Dieldrin	Compound Not Detected.					
24	2,4'-DDT	Compound Not Detected.					
25	Endrin	Compound Not Detected.					
26	Kepone	Compound Not Detected.					
27	4,4'-DDD	Compound Not Detected.					
28	Chlorobenzilate	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	7.317	7.320	-0.003	55967	6.25650	9.7151
31	Endrin aldehyde	Compound Not Detected.					
32	Methoxychlor	Compound Not Detected.					
33	Mirex	Compound Not Detected.					
34	Endosulfan sulfate	Compound Not Detected.					
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.210	9.210	0.000	45797	5.40800	8.3975(aR)
37	DBPP	10.971	10.967	0.004	190	395.549	614.20
M 137	Chlordane NOS	Compound Not Detected.					
M 139	Endosulfan, Total	Compound Not Detected.					
M 138	HCH, technical	Compound Not Detected.					

QC Flag Legend

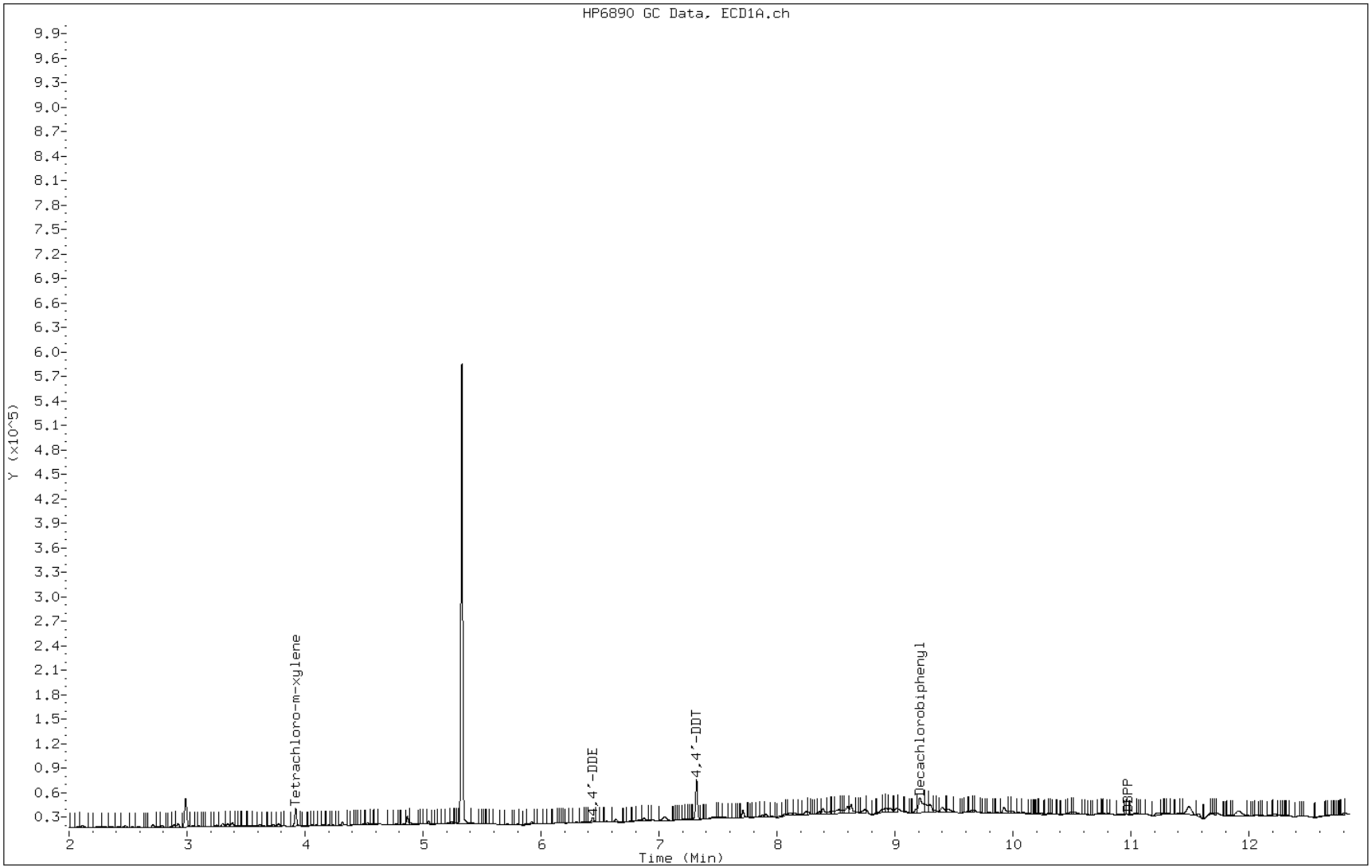
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160046.D

Date: 16-APR-2012 22:00

Client ID: UNK10301AA Instrument: GC_P1.i

Sample Info: 280-1342567,-3 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA | Lab Sample ID: 280-27123-4

Matrix: Solid | Lab File ID: 04110046.D

Analysis Method: 8081A | Date Collected: 03/27/2012 11:20

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.6(g) | Date Analyzed: 04/11/2012 21:01

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 32.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	1.0	U Q	2.5	1.0	0.79
50-29-3	4,4'-DDT	2.1	J Q	2.9	1.0	0.86
309-00-2	Aldrin	0.67	U Q	2.5	0.67	0.36
319-84-6	alpha-BHC	0.67	U Q	2.5	0.67	0.31
319-86-8	delta-BHC	1.0	U Q	2.5	1.0	0.58
58-89-9	gamma-BHC (Lindane)	1.0	U Q	2.5	1.0	0.67
1024-57-3	Heptachlor epoxide	1.0	U Q	2.5	1.0	0.62
959-98-8	Endosulfan I	0.67	U Q	2.5	0.67	0.26
33213-65-9	Endosulfan II	0.67	U Q	2.5	0.67	0.42
1031-07-8	Endosulfan sulfate	0.67	U Q	2.5	0.67	0.40
72-20-8	Endrin	0.67	U Q	2.5	0.67	0.44
7421-93-4	Endrin aldehyde	0.67	U Q	2.5	0.67	0.25
53494-70-5	Endrin ketone	1.0	U Q	2.5	1.0	0.71
5103-74-2	gamma-Chlordane	1.0	U Q	2.5	1.0	0.39
72-43-5	Methoxychlor	1.0	U Q	4.8	1.0	0.65
5103-71-9	alpha-Chlordane	0.67	U Q	2.5	0.67	0.47

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		70-125
2051-24-3	DCB Decachlorobiphenyl	159	Q	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110046.D
Lab Smp Id: 280-27123-A-4-F Client Smp ID: UNK10401AA
Inj Date : 11-APR-2012 21:01
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342570,-4
Misc Info : 280-27123-A-4-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 40
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.600	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
Compounds	RT	EXP RT	DLT RT	RESPONSE			
$ 2 Tetrachloro-m-xylene	3.918	3.917	0.001	166054		16.3606	5.3466
3 Hexachlorobenzene	Compound Not Detected.						
4 Diallate	Compound Not Detected.						
5 alpha-BHC	Compound Not Detected.						
6 gamma-BHC (Lindane)	Compound Not Detected.						
7 beta-BHC	4.866	4.878	-0.012	57470		9.89685	3.2343
8 delta-BHC	Compound Not Detected.						
9 Technical Chlordane	Compound Not Detected.						
10 Heptachlor	5.220	5.208	0.012	11732		0.65927	0.21545(a)
11 Aldrin	Compound Not Detected.						
12 Chlorpyrifos	Compound Not Detected.						
13 Isodrin	Compound Not Detected.						
14 Dicofol	Compound Not Detected.						
15 Heptachlor epoxide	Compound Not Detected.						
16 2,4'-DDE	Compound Not Detected.						
17 Toxaphene	Compound Not Detected.						
18 gamma-Chlordane	Compound Not Detected.						
19 alpha-Chlordane	Compound Not Detected.						
20 4,4'-DDE	6.441	6.442	-0.001	51819		4.74955	1.5521(a)
21 Endosulfan I	Compound Not Detected.						
22 2,4'-DDD	Compound Not Detected.						

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
23	Dieldrin	6.744	6.752	-0.008	12410	0.83937	0.27430(a)
24	2,4'-DDT	6.876	6.875	0.001	8888	0.97081	0.31726(a)
25	Endrin	Compound Not Detected.					
26	Kepone	Compound Not Detected.					
27	4,4'-DDD	Compound Not Detected.					
28	Chlorobenzilate	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	7.321	7.322	-0.001	39404	4.35509	1.4232(a)
31	Endrin aldehyde	Compound Not Detected.					
32	Methoxychlor	Compound Not Detected.					
33	Mirex	Compound Not Detected.					
34	Endosulfan sulfate	Compound Not Detected.					
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.216	9.213	0.003	230763	31.8120	10.396(R)
37	DBPP	10.959	10.970	-0.011	1861031	1042.85	340.80
M 137	Chlordane NOS				11732	0.65927	0.21545(a)
M 139	Endosulfan, Total	Compound Not Detected.					
M 138	HCH, technical				57470	9.89685	3.2343

QC Flag Legend

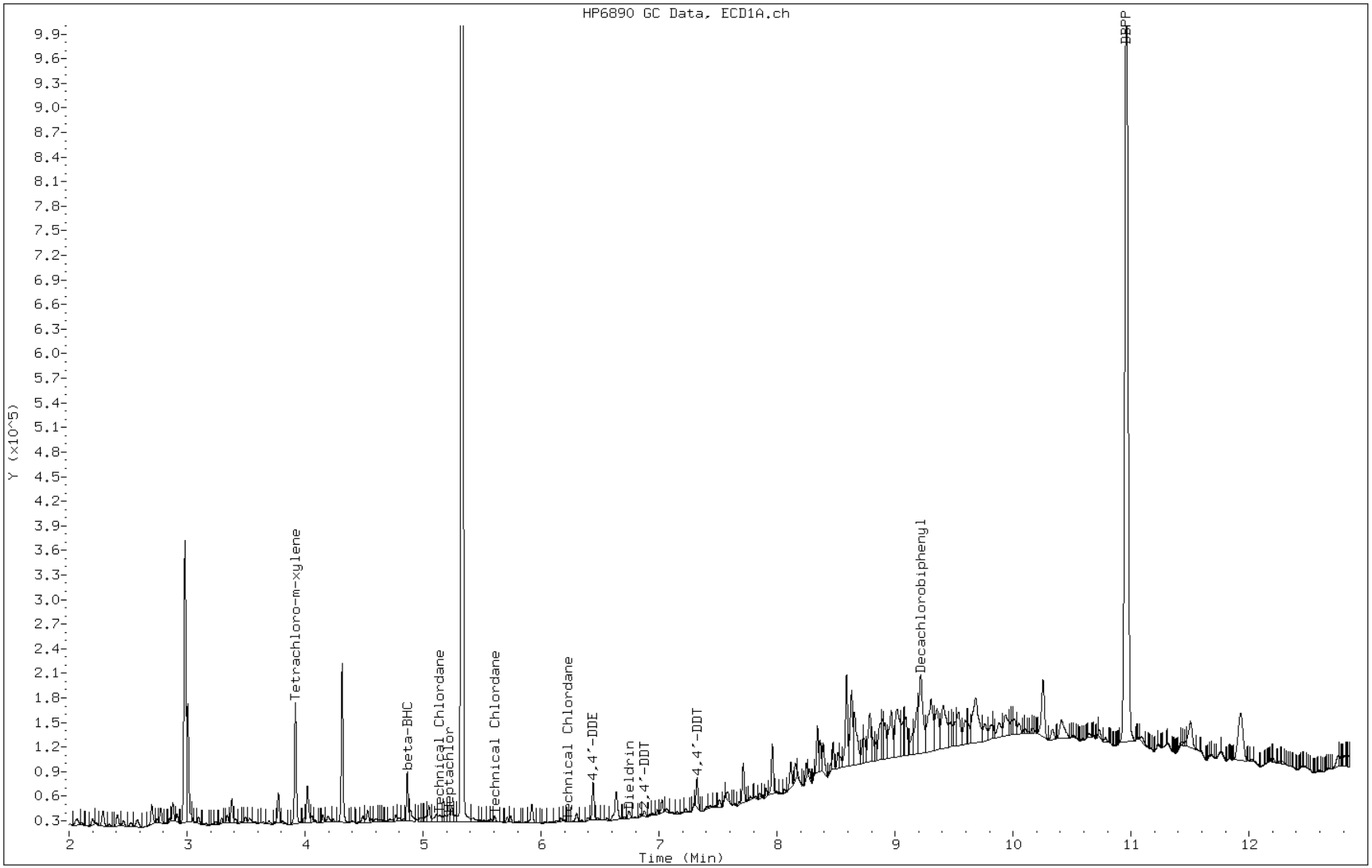
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110046.D

Date: 11-APR-2012 21:01

Client ID: UNK10401AA Instrument: GC_P1.i

Sample Info: 280-1342570,-4 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA | Lab Sample ID: 280-27123-4

Matrix: Solid | Lab File ID: 04110046.D

Analysis Method: 8081A | Date Collected: 03/27/2012 11:20

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.6(g) | Date Analyzed: 04/11/2012 21:01

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 32.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	1.7	J Q	2.5	0.67	0.35
319-85-7	beta-BHC	1.0	U Q	2.5	1.0	0.96
76-44-8	Heptachlor	0.67	U Q	2.5	0.67	0.31
60-57-1	Dieldrin	0.67	U Q	2.5	0.67	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	69	*Q*	70-125
2051-24-3	DCB Decachlorobiphenyl	87		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110046.D
Lab Smp Id: 280-27123-A-4-F Client Smp ID: UNK10401AA
Inj Date : 11-APR-2012 21:01
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342570,-4
Misc Info : 280-27123-A-4-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 40
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.600	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.788	3.787	0.001	153269	13.8726	4.5335(R)
3 Diallate	Compound Not Detected.					
4 Hexachlorobenzene	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Technical Chlordane	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
13 Toxaphene	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	Compound Not Detected.					
17 gamma-Chlordane	Compound Not Detected.					
18 2,4'-DDE	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
21 4,4'-DDE	6.422	6.423	-0.001	42660	3.46884	1.1336(a)
22 Dieldrin	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
	23 2,4'-DDD	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	24 Chlorobenzilate	Compound Not Detected.					
	26 2,4'-DDT	Compound Not Detected.					
	27 Kepone	Compound Not Detected.					
	28 4,4'-DDD	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	7.307	7.308	-0.001	46723	5.34397	1.7464
	31 Endrin aldehyde	Compound Not Detected.					
	32 Endosulfan sulfate	7.686	7.683	0.003	13484	0.93506	0.30557(a)
	33 Methoxychlor	Compound Not Detected.					
	34 Mirex	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.328	9.328	0.000	151544	17.4018	5.6868
	37 DBPP	11.030	11.039	-0.009	26563	384.160	125.54
M	135 Chlordane NOS	Compound Not Detected.					
M	137 Endosulfan, Total				13484		(a)
M	136 HCH, technical	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110046.D

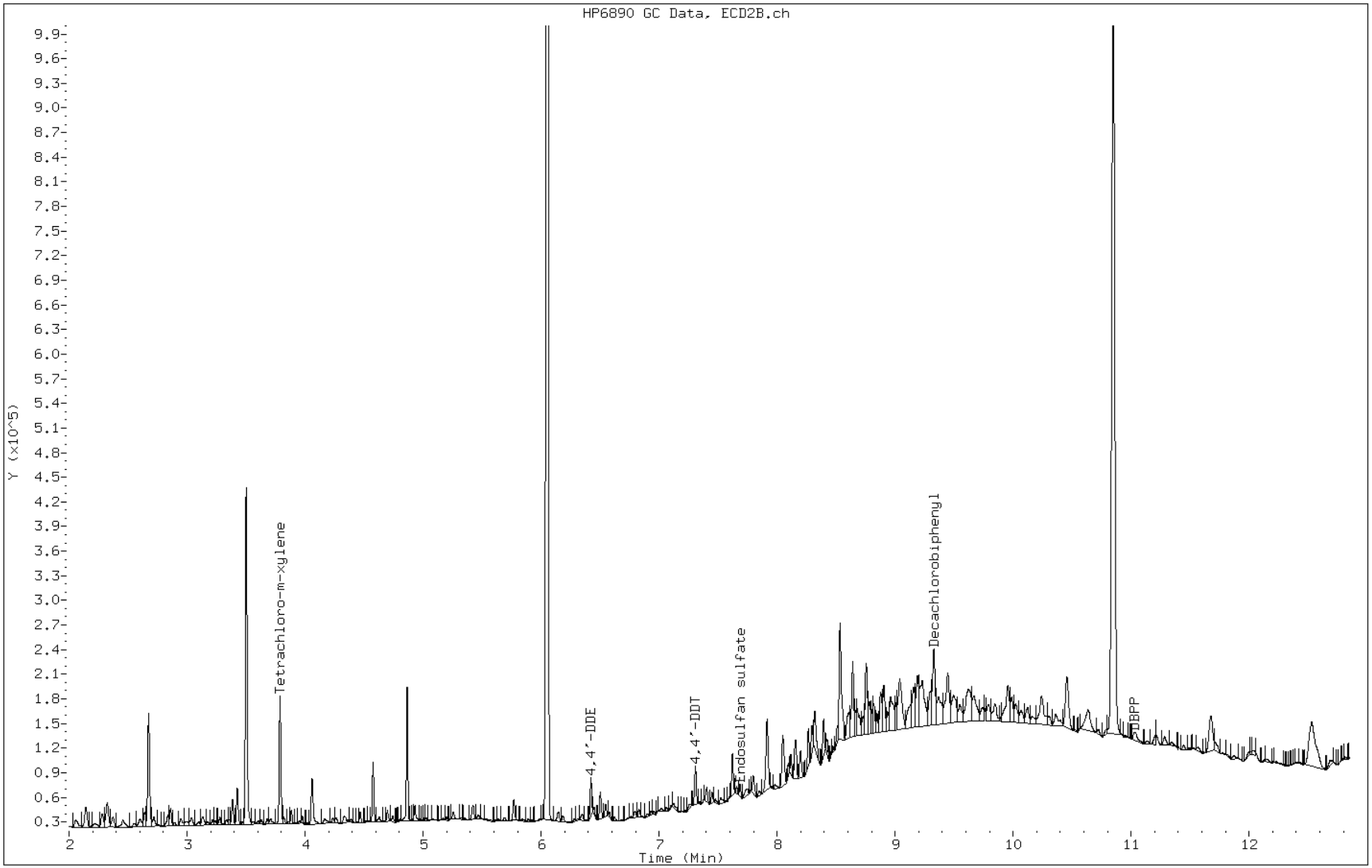
Date: 11-APR-2012 21:01

Client ID: UNK10401AA

Instrument: GC_P1.i

Sample Info: 280-1342570,-4

Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA | Lab Sample ID: 280-27123-4

Matrix: Solid | Lab File ID: 04160047.D

Analysis Method: 8081A | Date Collected: 03/27/2012 11:20

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.6(g) | Date Analyzed: 04/16/2012 22:18

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 32.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	200	U Q	1200	200	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64	Q D	70-125
2051-24-3	DCB Decachlorobiphenyl	155	Q D	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160047.D
Lab Smp Id: 280-27123-A-4-F Client Smp ID: UNK10401AA
Inj Date : 16-APR-2012 22:18
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342570,-4
Misc Info : 280-27123-A-4-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 41
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.600	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2	Tetrachloro-m-xylene	3.921	3.920	0.001	30568	2.57252	4.2035(aR)
3	Hexachlorobenzene	Compound Not Detected.					
4	Diallate	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	Compound Not Detected.					
8	delta-BHC	Compound Not Detected.					
9	Technical Chlordane	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
13	Isodrin	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Heptachlor epoxide	Compound Not Detected.					
16	2,4'-DDE	Compound Not Detected.					
17	Toxaphene	Compound Not Detected.					
18	gamma-Chlordane	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	4,4'-DDE	6.439	6.440	-0.001	10584	0.92982	1.5193(a)
21	Endosulfan I	Compound Not Detected.					
22	2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
23	Dieldrin	Compound Not Detected.					
24	2,4'-DDT	Compound Not Detected.					
25	Endrin	Compound Not Detected.					
26	Kepone	Compound Not Detected.					
27	4,4'-DDD	Compound Not Detected.					
28	Chlorobenzilate	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	Compound Not Detected.					
31	Endrin aldehyde	Compound Not Detected.					
32	Methoxychlor	Compound Not Detected.					
33	Mirex	Compound Not Detected.					
34	Endosulfan sulfate	Compound Not Detected.					
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.211	9.210	0.001	51469	6.21768	10.160(R)
37	DBPP	10.967	10.967	0.000	273	395.577	646.37
M 137	Chlordane NOS	Compound Not Detected.					
M 139	Endosulfan, Total	Compound Not Detected.					
M 138	HCH, technical	Compound Not Detected.					

QC Flag Legend

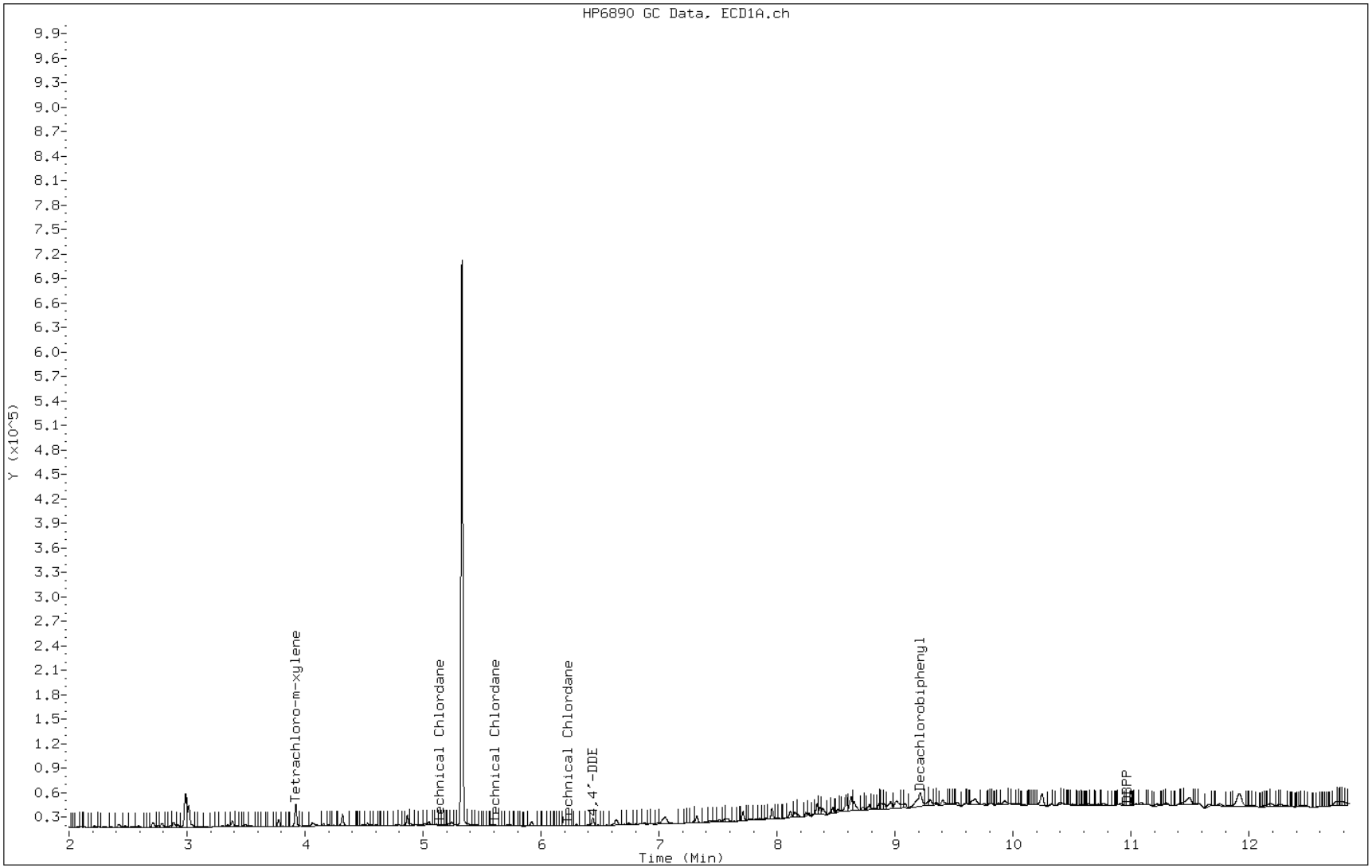
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160047.D

Date: 16-APR-2012 22:18

Client ID: UNK10401AA Instrument: GC_P1.i

Sample Info: 280-1342570,-4 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA | Lab Sample ID: 280-27123-5

Matrix: Solid | Lab File ID: 04110050.D

Analysis Method: 8081A | Date Collected: 03/27/2012 11:50

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.1(g) | Date Analyzed: 04/11/2012 22:08

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 36.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	1.0	U Q	2.5	1.0	0.80
72-55-9	4,4'-DDE	2.0	J Q	2.5	0.67	0.35
50-29-3	4,4'-DDT	1.5	J Q	2.9	1.0	0.86
309-00-2	Aldrin	0.67	U Q	2.5	0.67	0.37
319-84-6	alpha-BHC	0.67	U Q	2.5	0.67	0.31
319-86-8	delta-BHC	1.0	U Q	2.5	1.0	0.59
58-89-9	gamma-BHC (Lindane)	1.0	U Q	2.5	1.0	0.68
76-44-8	Heptachlor	0.67	U Q	2.5	0.67	0.31
1024-57-3	Heptachlor epoxide	1.0	U Q	2.5	1.0	0.62
959-98-8	Endosulfan I	0.67	U Q	2.5	0.67	0.26
33213-65-9	Endosulfan II	0.67	U Q	2.5	0.67	0.42
1031-07-8	Endosulfan sulfate	0.67	U Q	2.5	0.67	0.40
72-20-8	Endrin	0.67	U Q	2.5	0.67	0.45
7421-93-4	Endrin aldehyde	0.67	U Q	2.5	0.67	0.25
53494-70-5	Endrin ketone	1.0	U Q	2.5	1.0	0.71
5103-74-2	gamma-Chlordane	1.0	U Q	2.5	1.0	0.39
72-43-5	Methoxychlor	1.0	U Q	4.8	1.0	0.66
5103-71-9	alpha-Chlordane	0.67	U Q	2.5	0.67	0.47
60-57-1	Dieldrin	0.67	U Q	2.5	0.67	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	59	Q	70-125
2051-24-3	DCB Decachlorobiphenyl	125	M	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110050.D
Lab Smp Id: 280-27123-A-5-F Client Smp ID: UNK10501AA
Inj Date : 11-APR-2012 22:08
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342571,-5
Misc Info : 280-27123-A-5-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 44
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.100	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2	Tetrachloro-m-xylene	3.918	3.917	0.001	121776	11.8545	3.6930(R)
3	Hexachlorobenzene	Compound Not Detected.					
4	Diallate	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	4.868	4.878	-0.010	15235	2.02603	0.63116(a)
8	delta-BHC	Compound Not Detected.					
9	Technical Chlordane	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
13	Isodrin	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Heptachlor epoxide	Compound Not Detected.					
16	2,4'-DDE	Compound Not Detected.					
17	Toxaphene	Compound Not Detected.					
18	gamma-Chlordane	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	4,4'-DDE	6.439	6.442	-0.003	43910	4.01691	1.2514(a)
21	Endosulfan I	Compound Not Detected.					
22	2,4'-DDD	Compound Not Detected.					
23	Dieldrin	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
24	2,4'-DDT	Compound Not Detected.					
25	Endrin	Compound Not Detected.					
26	Kepone	Compound Not Detected.					
27	4,4'-DDD	Compound Not Detected.					
28	Chlorobenzilate	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	7.323	7.322	0.001	27939	3.03893	0.94671(a)
31	Endrin aldehyde	Compound Not Detected.					
32	Methoxychlor	Compound Not Detected.					
33	Mirex	Compound Not Detected.					
34	Endosulfan sulfate	Compound Not Detected.					
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.221	9.213	0.008	182781	24.9626	7.7765(RM)
37	DBPP	10.970	10.970	0.000	5850	397.517	123.84
M 137	Chlordane NOS	Compound Not Detected.					
M 139	Endosulfan, Total	Compound Not Detected.					
M 138	HCH, technical				15235	2.02603	0.63116(a)

QC Flag Legend

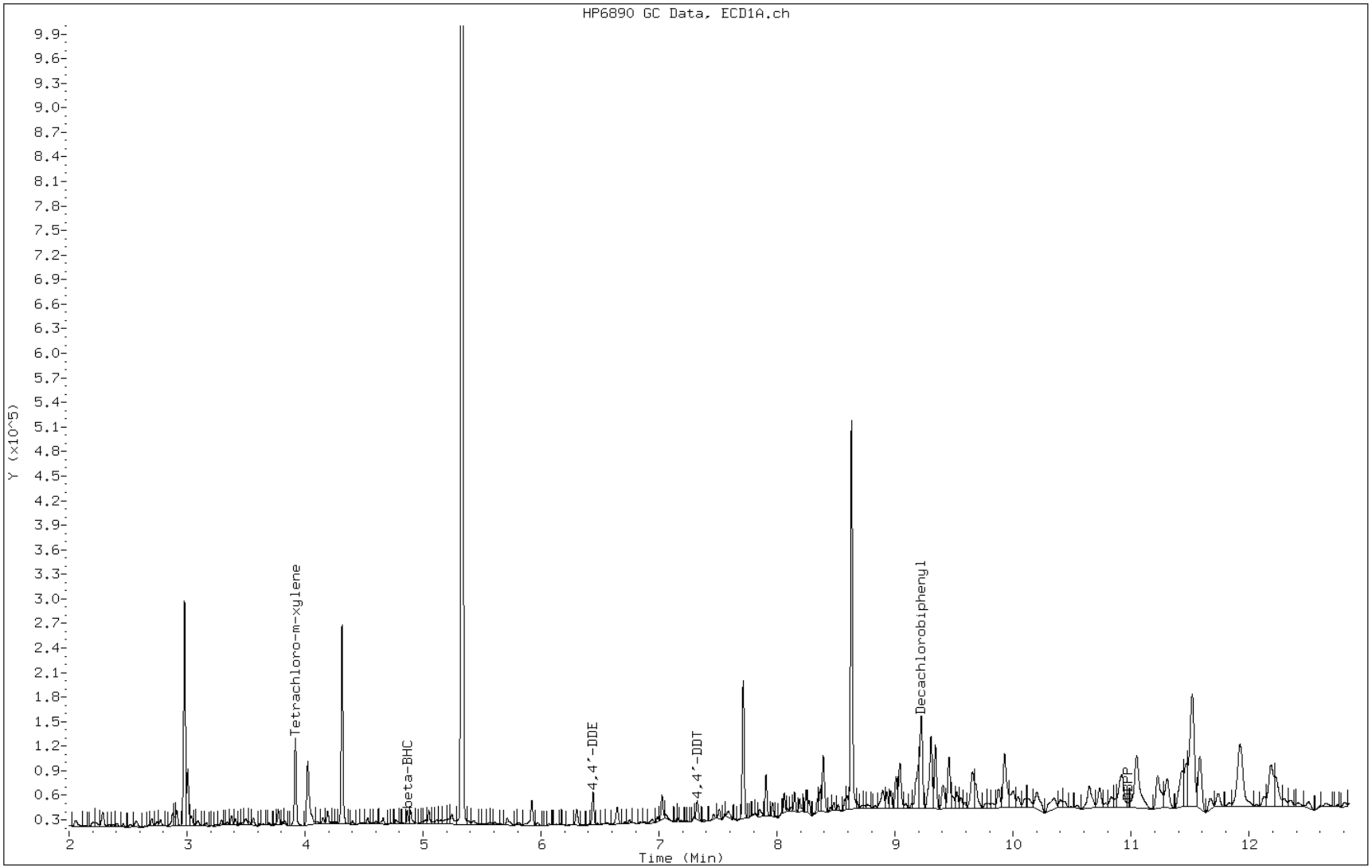
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: 04110050.D

Date: 11-APR-2012 22:08

Client ID: UNK10501AA Instrument: GC_P1.i

Sample Info: 280-1342571,-5 Operator: DW



Manual Integration Report

Data File: 04110050.D
Inj. Date and Time: 11-APR-2012 22:08
Instrument ID: GC_P1.i
Client ID: UNK10501AA
Compound: 36 Decachlorobiphenyl
CAS #:
Report Date: 04/12/2012

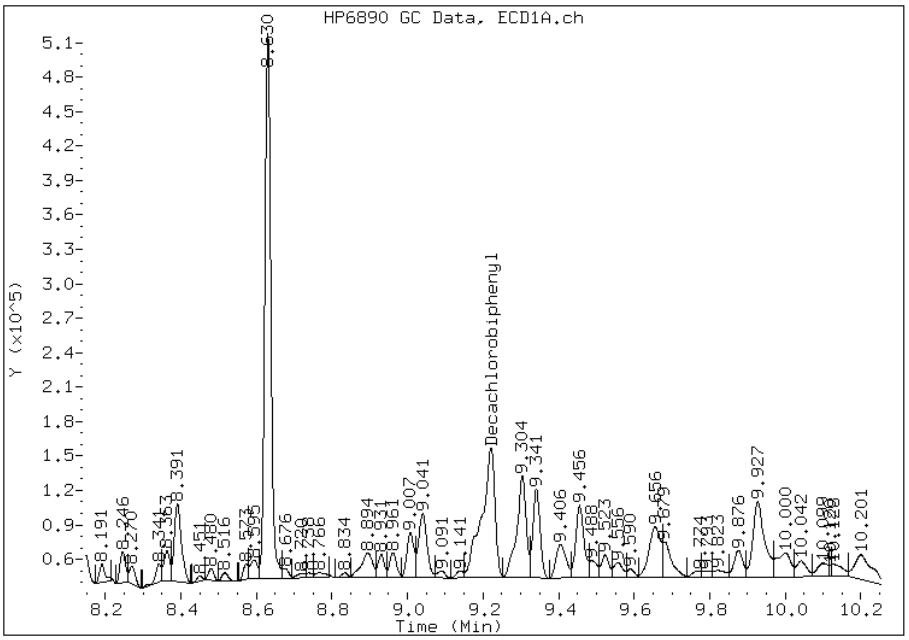
Processing Integration Results

RT: 9.22

Response: 278037

Amount: 38.56

Conc: 12.01



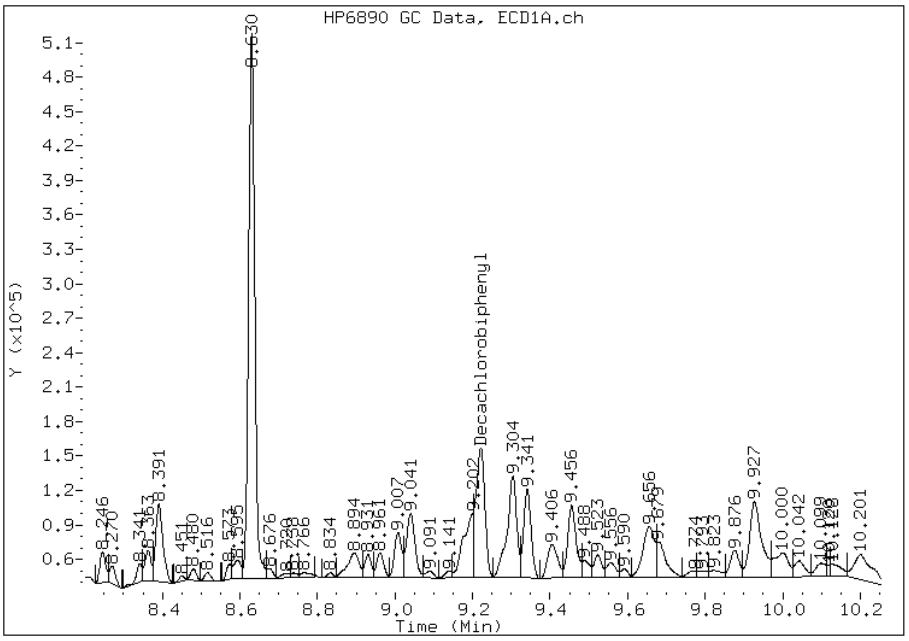
Manual Integration Results

RT: 9.22

Response: 182781

Amount: 24.96

Conc: 7.78



Manually Integrated By: wellsd
Manual Integration Reason:

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA | Lab Sample ID: 280-27123-5

Matrix: Solid | Lab File ID: 04110050.D

Analysis Method: 8081A | Date Collected: 03/27/2012 11:50

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.1(g) | Date Analyzed: 04/11/2012 22:08

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 36.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-85-7	beta-BHC	1.0	U Q	2.5	1.0	0.97

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	57	Q	70-125
2051-24-3	DCB Decachlorobiphenyl	178	Q	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110050.D
Lab Smp Id: 280-27123-A-5-F Client Smp ID: UNK10501AA
Inj Date : 11-APR-2012 22:08
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342571,-5
Misc Info : 280-27123-A-5-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 44
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.100	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.787	3.787	0.000	126360	11.3687	3.5416(R)
3 Diallate	Compound Not Detected.					
4 Hexachlorobenzene	4.265	4.269	-0.004	18331	1.04349	0.32507(a)
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Technical Chlordane	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
13 Toxaphene	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	Compound Not Detected.					
17 gamma-Chlordane	Compound Not Detected.					
18 2,4'-DDE	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
21 4,4'-DDE	6.422	6.423	-0.001	51074	4.15302	1.2938(a)
22 Dieldrin	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 2,4'-DDD	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	24 Chlorobenzilate	Compound Not Detected.					
	26 2,4'-DDT	Compound Not Detected.					
	27 Kepone	Compound Not Detected.					
	28 4,4'-DDD	Compound Not Detected.					
	29 Endosulfan II	7.099	7.094	0.005	21958	1.47089	0.45822(a)
	30 4,4'-DDT	7.308	7.308	0.000	36975	4.23566	1.3195(a)
	31 Endrin aldehyde	Compound Not Detected.					
	32 Endosulfan sulfate	7.683	7.683	0.000	21414	1.72718	0.53806(a)
	33 Methoxychlor	Compound Not Detected.					
	34 Mirex	8.149	8.137	0.012	50728	5.58119	1.7387
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.320	9.328	-0.008	300643	35.5533	11.076(R)
	37 DBPP	Compound Not Detected.					
M	135 Chlordane NOS	Compound Not Detected.					
M	137 Endosulfan, Total				43372		(a)
M	136 HCH, technical	Compound Not Detected.					

QC Flag Legend

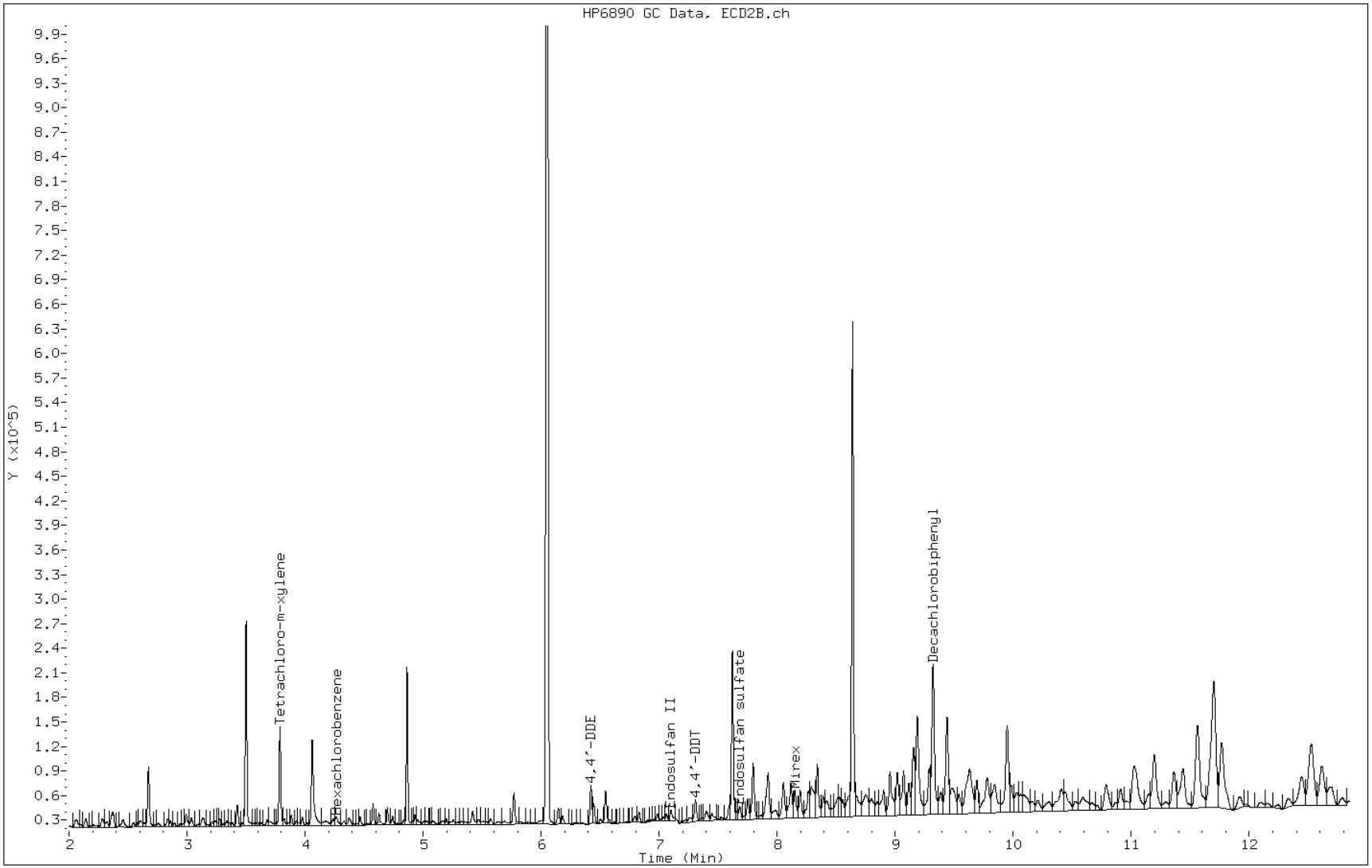
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110050.D

Date: 11-APR-2012 22:08

Client ID: UNK10501AA Instrument: GC_P1.i

Sample Info: 280-1342571,-5 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA | Lab Sample ID: 280-27123-5

Matrix: Solid | Lab File ID: 04160048.D

Analysis Method: 8081A | Date Collected: 03/27/2012 11:50

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.1(g) | Date Analyzed: 04/16/2012 22:35

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 36.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	200	U Q	1200	200	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	45	Q D	70-125
2051-24-3	DCB Decachlorobiphenyl	176	Q D	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160048.D
Lab Smp Id: 280-27123-A-5-F Client Smp ID: UNK10501AA
Inj Date : 16-APR-2012 22:35
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342571,-5
Misc Info : 280-27123-A-5-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 42
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.100	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.920	3.920	0.000	23154	1.81802	2.8318(aR)
3 Hexachlorobenzene	Compound Not Detected.					
4 Diallate	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 delta-BHC	Compound Not Detected.					
9 Technical Chlordane	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
13 Isodrin	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Heptachlor epoxide	Compound Not Detected.					
16 2,4'-DDE	Compound Not Detected.					
17 Toxaphene	Compound Not Detected.					
18 gamma-Chlordane	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 4,4'-DDE	6.438	6.440	-0.002	8450	0.73214	1.1404(a)
21 Endosulfan I	Compound Not Detected.					
22 2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.218	9.210	0.008	57096	7.02094	10.936(R)
	37 DBPP	10.967	10.967	0.000	31	395.493	616.03
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

QC Flag Legend

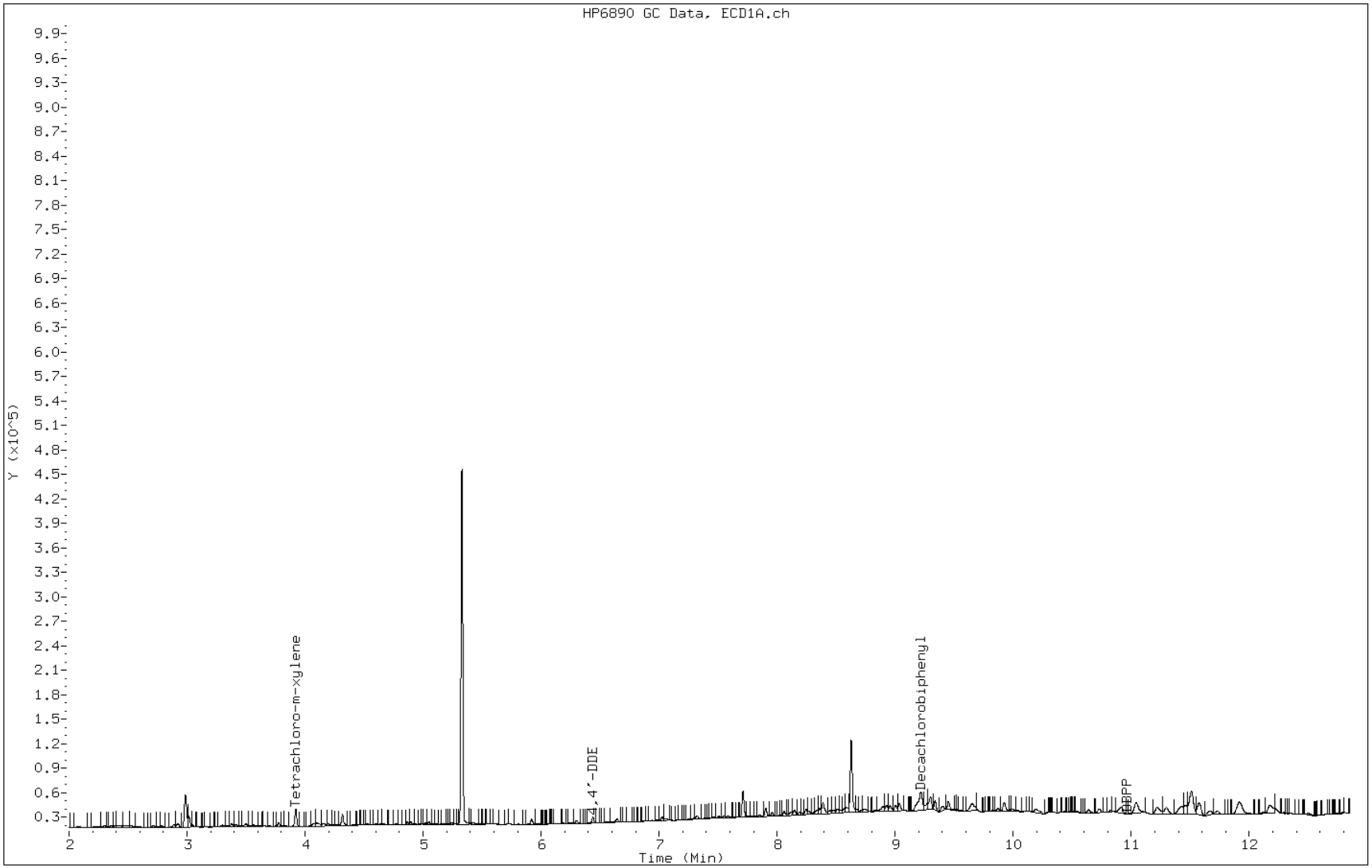
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160048.D

Date: 16-APR-2012 22:35

Client ID: UNK10501AA Instrument: GC_P1.i

Sample Info: 280-1342571,-5 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA | Lab Sample ID: 280-27123-6

Matrix: Solid | Lab File ID: 04110051.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:00

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.8(g) | Date Analyzed: 04/11/2012 22:24

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.76	U	1.9	0.76	0.60
50-29-3	4,4'-DDT	0.76	U	2.2	0.76	0.65
309-00-2	Aldrin	0.51	U	1.9	0.51	0.28
319-84-6	alpha-BHC	0.51	U	1.9	0.51	0.24
319-85-7	beta-BHC	0.76	U	1.9	0.76	0.73
319-86-8	delta-BHC	0.76	U	1.9	0.76	0.44
58-89-9	gamma-BHC (Lindane)	0.76	U	1.9	0.76	0.51
76-44-8	Heptachlor	0.51	U	1.9	0.51	0.24
1024-57-3	Heptachlor epoxide	0.76	U	1.9	0.76	0.47
33213-65-9	Endosulfan II	0.51	U	1.9	0.51	0.32
1031-07-8	Endosulfan sulfate	0.51	U	1.9	0.51	0.30
72-20-8	Endrin	0.51	U	1.9	0.51	0.34
7421-93-4	Endrin aldehyde	0.51	U	1.9	0.51	0.19
53494-70-5	Endrin ketone	0.76	U	1.9	0.76	0.54
5103-74-2	gamma-Chlordane	0.76	U	1.9	0.76	0.29
72-43-5	Methoxychlor	0.76	U	3.6	0.76	0.49
5103-71-9	alpha-Chlordane	0.51	U	1.9	0.51	0.36
60-57-1	Dieldrin	0.51	U	1.9	0.51	0.23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		70-125
2051-24-3	DCB Decachlorobiphenyl	73		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110051.D
Lab Smp Id: 280-27123-A-6-F Client Smp ID: UNK10502AA
Inj Date : 11-APR-2012 22:24
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342572,-6
Misc Info : 280-27123-A-6-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 45
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.800	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2	Tetrachloro-m-xylene	3.918	3.917	0.001	154980	15.2336	4.6444
3	Hexachlorobenzene	Compound Not Detected.					
4	Diallate	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	Compound Not Detected.					
8	delta-BHC	Compound Not Detected.					
9	Technical Chlordane	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
13	Isodrin	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Heptachlor epoxide	Compound Not Detected.					
16	2,4'-DDE	Compound Not Detected.					
17	Toxaphene	Compound Not Detected.					
18	gamma-Chlordane	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	4,4'-DDE	6.437	6.442	-0.005	55037	5.04764	1.5389(a)
21	Endosulfan I	6.496	6.507	-0.011	26779	2.04064	0.62215(a)
22	2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	6.887	6.875	0.012	10698	1.21709	0.37106(a)
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	7.059	7.059	0.000	80992	18.9810	5.7869
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.211	9.213	-0.002	109718	14.5328	4.4307(R)
	37 DBPP	10.960	10.970	-0.010	8155	398.319	121.44
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total				26779		(a)
M	138 HCH, technical	Compound Not Detected.					

QC Flag Legend

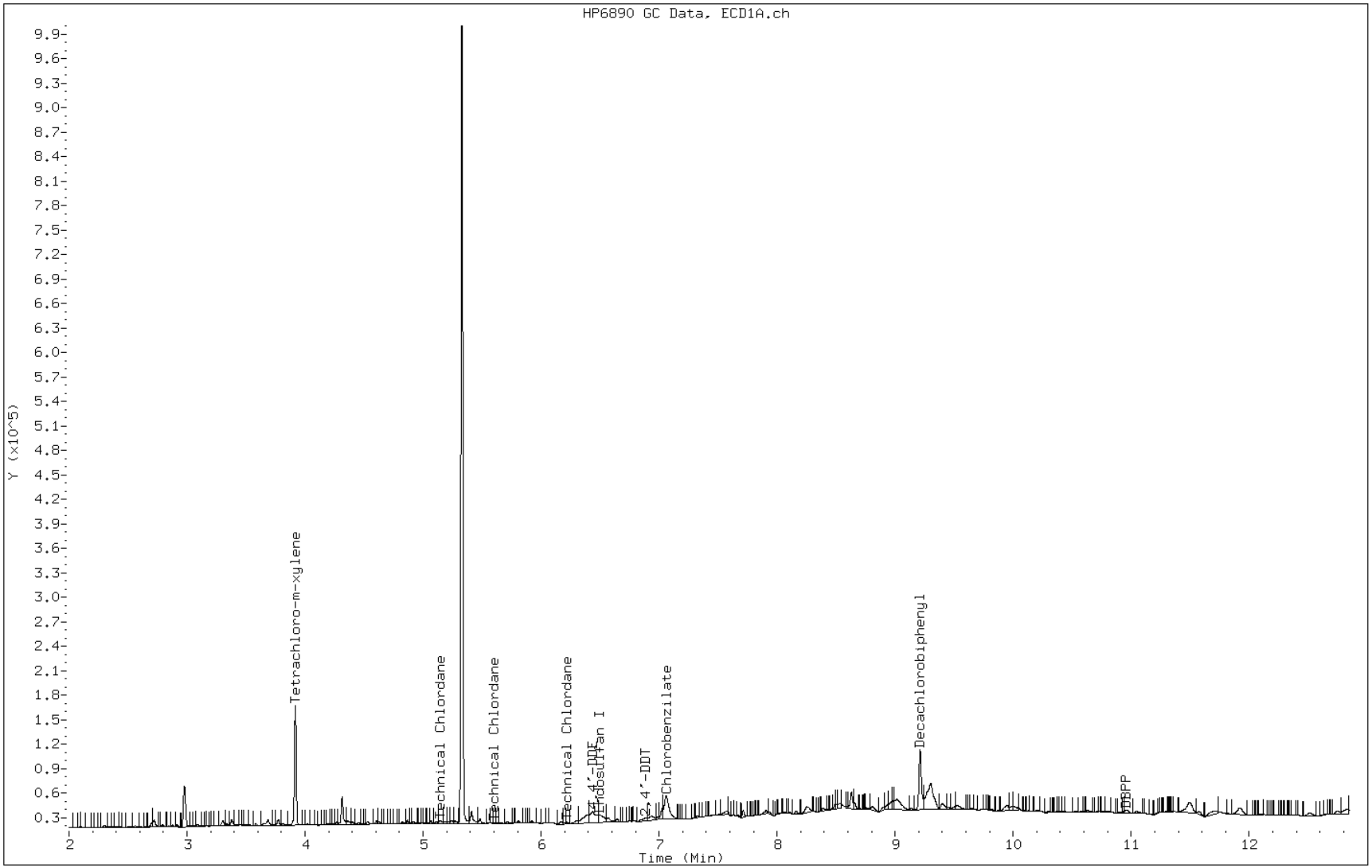
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110051.D

Date: 11-APR-2012 22:24

Client ID: UNK10502AA Instrument: GC_P1.i

Sample Info: 280-1342572,-6 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA | Lab Sample ID: 280-27123-6

Matrix: Solid | Lab File ID: 04110051.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:00

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.8(g) | Date Analyzed: 04/11/2012 22:24

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	0.51	U	1.9	0.51	0.26
959-98-8	Endosulfan I	0.51	U	1.9	0.51	0.19

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		70-125
2051-24-3	DCB Decachlorobiphenyl	74		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110051.D
Lab Smp Id: 280-27123-A-6-F Client Smp ID: UNK10502AA
Inj Date : 11-APR-2012 22:24
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342572,-6
Misc Info : 280-27123-A-6-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 45
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.800	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.787	3.787	0.000	173199	15.7271	4.7948
3 Diallate	Compound Not Detected.					
4 Hexachlorobenzene	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Technical Chlordane	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
13 Toxaphene	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	Compound Not Detected.					
17 gamma-Chlordane	Compound Not Detected.					
18 2,4'-DDE	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
21 4,4'-DDE	Compound Not Detected.					
22 Dieldrin	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
	23 2,4'-DDD	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	24 Chlorobenzilate	Compound Not Detected.					
	26 2,4'-DDT	Compound Not Detected.					
	27 Kepone	Compound Not Detected.					
	28 4,4'-DDD	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Endosulfan sulfate	Compound Not Detected.					
	33 Methoxychlor	Compound Not Detected.					
	34 Mirex	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.325	9.328	-0.003	129647	14.7360	4.4927(R)
	37 DBPP	11.035	11.039	-0.004	8197	377.392	115.06
M	135 Chlordane NOS	Compound Not Detected.					
M	137 Endosulfan, Total	Compound Not Detected.					
M	136 HCH, technical	Compound Not Detected.					

QC Flag Legend

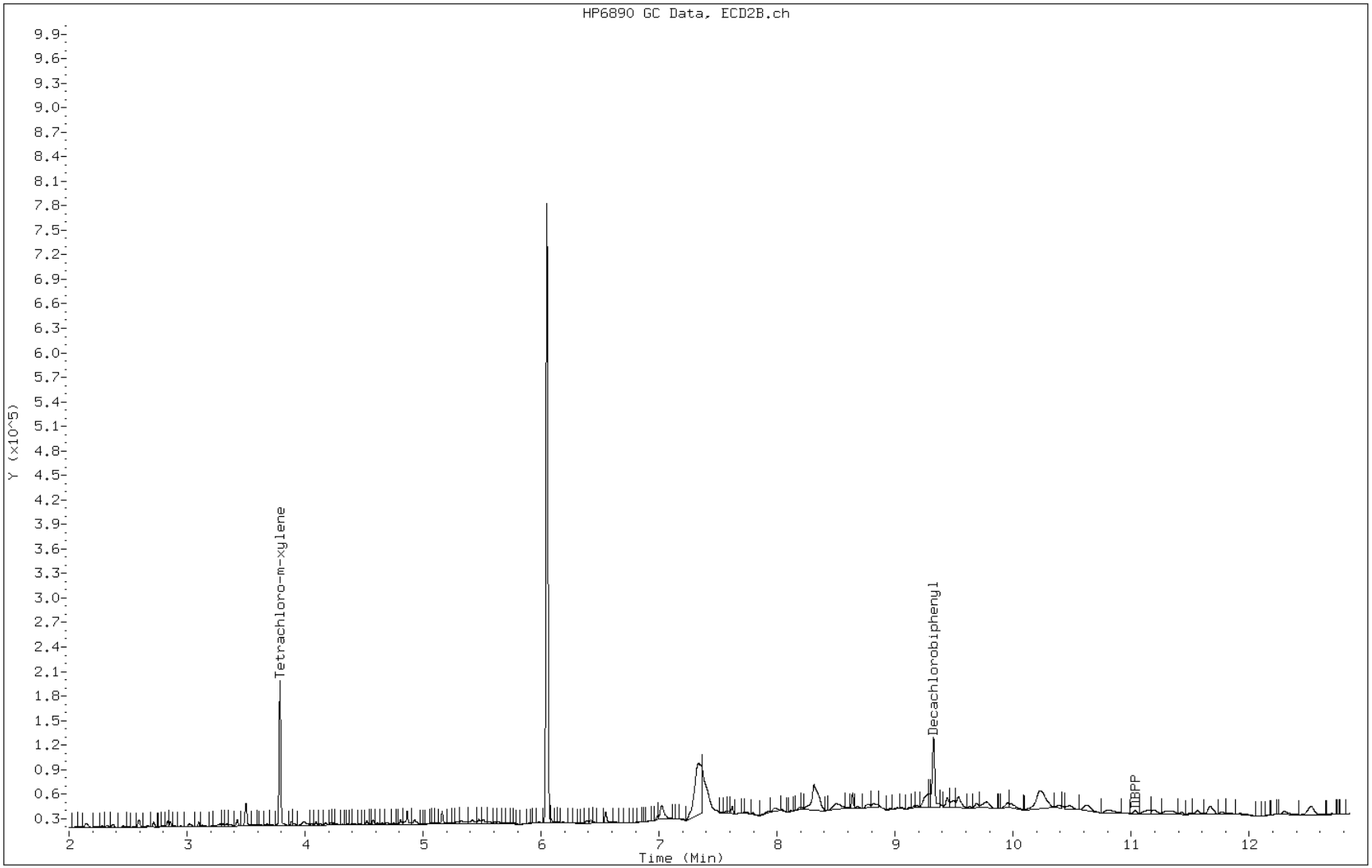
R - Spike/Surrogate failed recovery limits.

Data File: 04110051.D

Date: 11-APR-2012 22:24

Client ID: UNK10502AA Instrument: GC_P1.i

Sample Info: 280-1342572,-6 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA | Lab Sample ID: 280-27123-6

Matrix: Solid | Lab File ID: 04160049.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:00

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.8(g) | Date Analyzed: 04/16/2012 22:52

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	150	U Q	930	150	87

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	72	D	70-125
2051-24-3	DCB Decachlorobiphenyl	241	Q D	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160049.D
Lab Smp Id: 280-27123-A-6-F Client Smp ID: UNK10502AA
Inj Date : 16-APR-2012 22:52
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342572,-6
Misc Info : 280-27123-A-6-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 43
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.800	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.921	3.920	0.001	33602	2.88129	4.3922(a)
3 Hexachlorobenzene	Compound Not Detected.					
4 Diallate	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 delta-BHC	Compound Not Detected.					
9 Technical Chlordane	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
13 Isodrin	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Heptachlor epoxide	Compound Not Detected.					
16 2,4'-DDE	Compound Not Detected.					
17 Toxaphene	Compound Not Detected.					
18 gamma-Chlordane	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 4,4'-DDE	Compound Not Detected.					
21 Endosulfan I	Compound Not Detected.					
22 2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.209	9.210	-0.001	75569	9.65797	14.722(R)
	37 DBPP	10.961	10.967	-0.006	36	395.495	602.89
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

QC Flag Legend

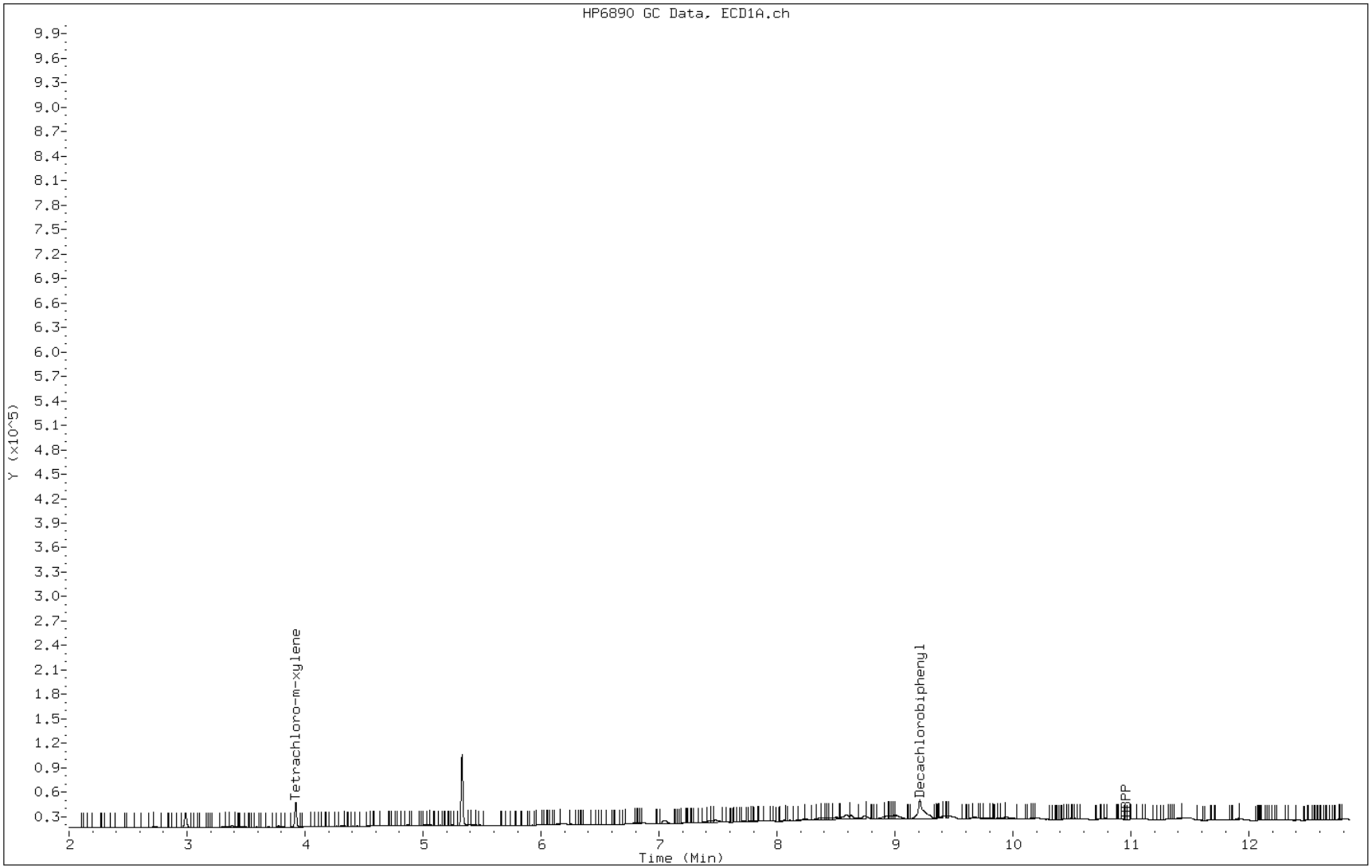
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160049.D

Date: 16-APR-2012 22:52

Client ID: UNK10502AA Instrument: GC_P1.i

Sample Info: 280-1342572,-6 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA | Lab Sample ID: 280-27123-7

Matrix: Solid | Lab File ID: 04110052.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:15

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.4(g) | Date Analyzed: 04/11/2012 22:41

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	1.0	U Q	2.5	1.0	0.81
50-29-3	4,4'-DDT	2.5	J Q	3.0	1.0	0.87
309-00-2	Aldrin	0.68	U Q	2.5	0.68	0.37
319-84-6	alpha-BHC	0.68	U Q	2.5	0.68	0.32
319-85-7	beta-BHC	1.0	U Q	2.5	1.0	0.98
319-86-8	delta-BHC	1.0	U Q	2.5	1.0	0.59
58-89-9	gamma-BHC (Lindane)	1.0	U Q	2.5	1.0	0.69
1024-57-3	Heptachlor epoxide	1.0	U Q	2.5	1.0	0.63
959-98-8	Endosulfan I	0.68	U Q	2.5	0.68	0.26
33213-65-9	Endosulfan II	0.68	U Q	2.5	0.68	0.42
1031-07-8	Endosulfan sulfate	0.68	U Q	2.5	0.68	0.41
72-20-8	Endrin	0.68	U Q	2.5	0.68	0.45
7421-93-4	Endrin aldehyde	0.68	U Q	2.5	0.68	0.25
53494-70-5	Endrin ketone	1.0	U Q	2.5	1.0	0.72
5103-74-2	gamma-Chlordane	1.0	U Q	2.5	1.0	0.39
72-43-5	Methoxychlor	1.0	U Q	4.9	1.0	0.66
5103-71-9	alpha-Chlordane	0.68	U Q	2.5	0.68	0.48
60-57-1	Dieldrin	0.68	U Q	2.5	0.68	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	61	Q	70-125
2051-24-3	DCB Decachlorobiphenyl	72		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110052.D
Lab Smp Id: 280-27123-A-7-F Client Smp ID: UNK10601AA
Inj Date : 11-APR-2012 22:41
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342573,-7
Misc Info : 280-27123-A-7-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 46
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	31.400	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.918	3.917	0.001	125760	12.2600	3.9044(R)
3 Hexachlorobenzene	Compound Not Detected.					
4 Diallate	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 delta-BHC	Compound Not Detected.					
9 Technical Chlordane	Compound Not Detected.					
10 Heptachlor	5.220	5.208	0.012	18229	1.20420	0.38350(a)
11 Aldrin	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
13 Isodrin	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Heptachlor epoxide	Compound Not Detected.					
16 2,4'-DDE	Compound Not Detected.					
17 Toxaphene	Compound Not Detected.					
18 gamma-Chlordane	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 4,4'-DDE	6.440	6.442	-0.002	8866	0.77067	0.24544(a)
21 Endosulfan I	Compound Not Detected.					
22 2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	7.320	7.322	-0.002	46301	5.14686	1.6391(a)
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.212	9.213	-0.001	108815	14.4039	4.5872(R)
	37 DBPP	10.974	10.970	0.004	1103	395.866	126.07
M	137 Chlordane NOS				18229	1.20420	0.38350(a)
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

QC Flag Legend

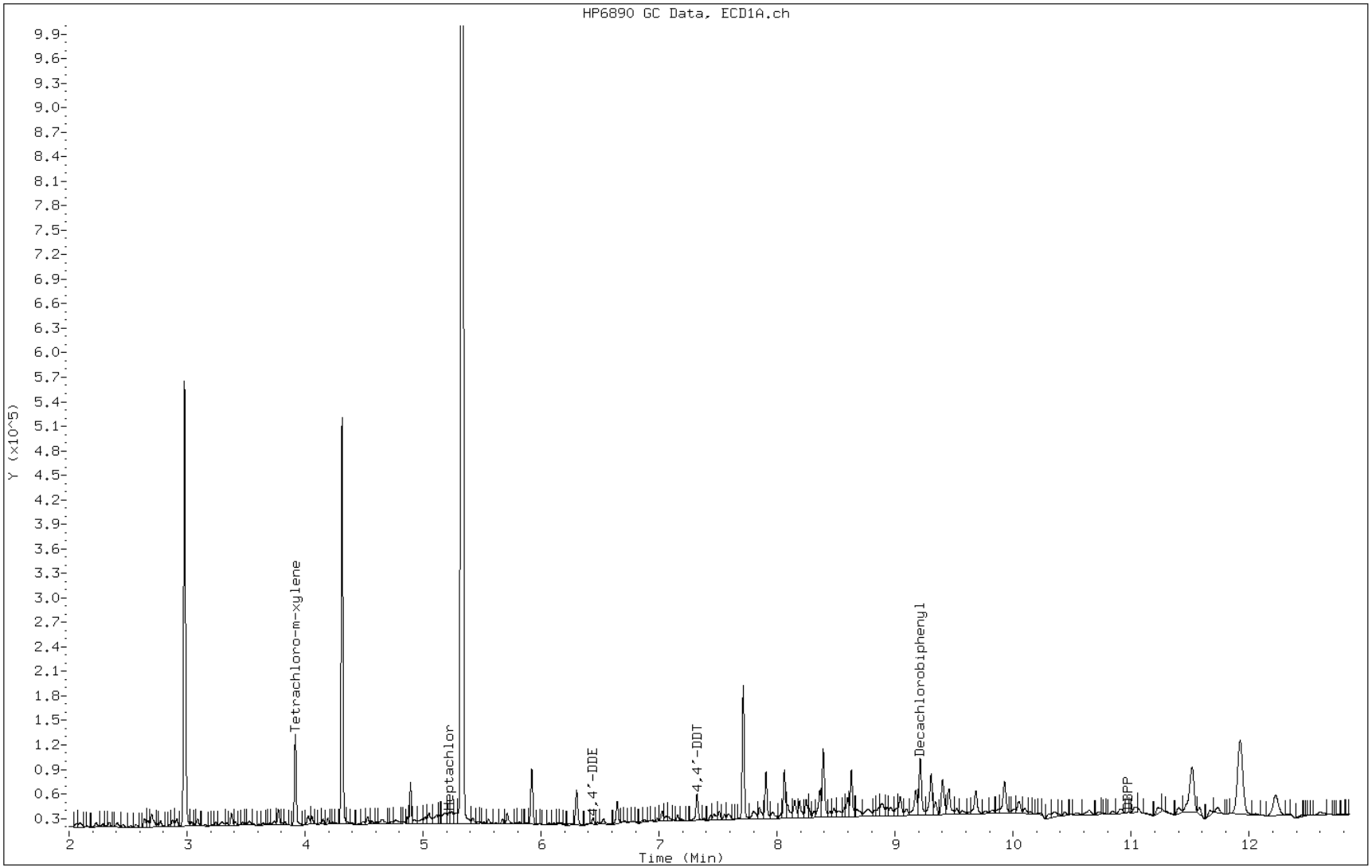
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110052.D

Date: 11-APR-2012 22:41

Client ID: UNK10601AA Instrument: GC_P1.i

Sample Info: 280-1342573,-7 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA | Lab Sample ID: 280-27123-7

Matrix: Solid | Lab File ID: 04110052.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:15

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.4(g) | Date Analyzed: 04/11/2012 22:41

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	0.68	U Q	2.5	0.68	0.35
76-44-8	Heptachlor	0.68	U Q	2.5	0.68	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	56	*Q*	70-125
2051-24-3	DCB Decachlorobiphenyl	90		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110052.D
Lab Smp Id: 280-27123-A-7-F Client Smp ID: UNK10601AA
Inj Date : 11-APR-2012 22:41
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342573,-7
Misc Info : 280-27123-A-7-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 46
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	31.400	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ug/Kg)
$	2 Tetrachloro-m-xylene	3.787	3.787	0.000	123643	11.1159	3.5401(R)
	3 Diallate	Compound Not Detected.					
	4 Hexachlorobenzene	Compound Not Detected.					
	5 alpha-BHC	Compound Not Detected.					
	6 gamma-BHC (Lindane)	Compound Not Detected.					
	7 beta-BHC	Compound Not Detected.					
	8 Technical Chlordane	Compound Not Detected.					
	9 delta-BHC	Compound Not Detected.					
	10 Heptachlor	Compound Not Detected.					
	11 Aldrin	Compound Not Detected.					
	13 Toxaphene	Compound Not Detected.					
	12 Chlorpyrifos	Compound Not Detected.					
	14 Dicofol	Compound Not Detected.					
	15 Isodrin	Compound Not Detected.					
	16 Heptachlor epoxide	Compound Not Detected.					
	17 gamma-Chlordane	Compound Not Detected.					
	18 2,4'-DDE	Compound Not Detected.					
	19 alpha-Chlordane	Compound Not Detected.					
	20 Endosulfan I	Compound Not Detected.					
	21 4,4'-DDE	Compound Not Detected.					
	22 Dieldrin	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
23	2,4'-DDD	Compound Not Detected.					
25	Endrin	Compound Not Detected.					
24	Chlorobenzilate	Compound Not Detected.					
26	2,4'-DDT	Compound Not Detected.					
27	Kepone	Compound Not Detected.					
28	4,4'-DDD	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	7.306	7.308	-0.002	43394	4.96548	1.5814(a)
31	Endrin aldehyde	Compound Not Detected.					
32	Endosulfan sulfate	7.684	7.683	0.001	17881	1.37427	0.43767(a)
33	Methoxychlor	Compound Not Detected.					
34	Mirex	8.150	8.137	0.013	14761	0.96282	0.30663(a)
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.324	9.328	-0.004	156356	17.9876	5.7285
37	DBPP	11.043	11.039	0.004	39239	388.831	123.83
M 135	Chlordane NOS	Compound Not Detected.					
M 137	Endosulfan, Total				17881		(a)
M 136	HCH, technical	Compound Not Detected.					

QC Flag Legend

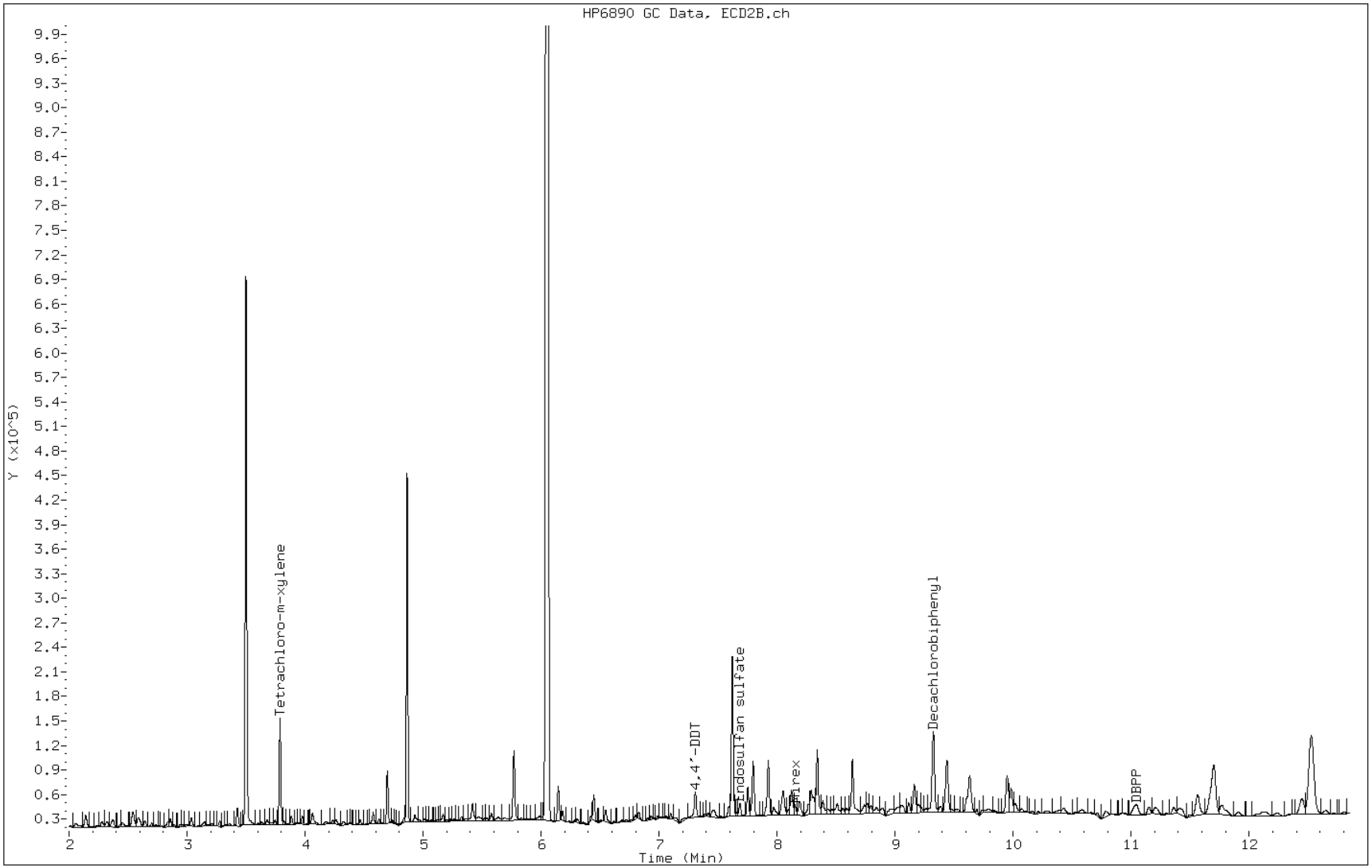
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110052.D

Date: 11-APR-2012 22:41

Client ID: UNK10601AA Instrument: GC_P1.i

Sample Info: 280-1342573,-7 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA | Lab Sample ID: 280-27123-7

Matrix: Solid | Lab File ID: 04160050.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:15

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.4(g) | Date Analyzed: 04/16/2012 23:09

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	200	U Q	1300	200	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	59	Q D	70-125
2051-24-3	DCB Decachlorobiphenyl	58	D	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160050.D
Lab Smp Id: 280-27123-A-7-F Client Smp ID: UNK10601AA
Inj Date : 16-APR-2012 23:09
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342573,-7
Misc Info : 280-27123-A-7-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 44
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	31.400	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ug/Kg)
$	2 Tetrachloro-m-xylene	3.920	3.920	0.000	28568	2.36899	3.7723(aR)
	3 Hexachlorobenzene	Compound Not Detected.					
	4 Diallate	Compound Not Detected.					
	5 alpha-BHC	Compound Not Detected.					
	6 gamma-BHC (Lindane)	Compound Not Detected.					
	7 beta-BHC	Compound Not Detected.					
	8 delta-BHC	Compound Not Detected.					
	9 Technical Chlordane	Compound Not Detected.					
	10 Heptachlor	Compound Not Detected.					
	11 Aldrin	Compound Not Detected.					
	12 Chlorpyrifos	Compound Not Detected.					
	13 Isodrin	Compound Not Detected.					
	14 Dicofol	Compound Not Detected.					
	15 Heptachlor epoxide	Compound Not Detected.					
	16 2,4'-DDE	Compound Not Detected.					
	17 Toxaphene	Compound Not Detected.					
	18 gamma-Chlordane	Compound Not Detected.					
	19 alpha-Chlordane	Compound Not Detected.					
	20 4,4'-DDE	Compound Not Detected.					
	21 Endosulfan I	Compound Not Detected.					
	22 2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.209	9.210	-0.001	24226	2.32873	3.7082(aR)
	37 DBPP	10.971	10.967	0.004	593	395.689	630.08
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

QC Flag Legend

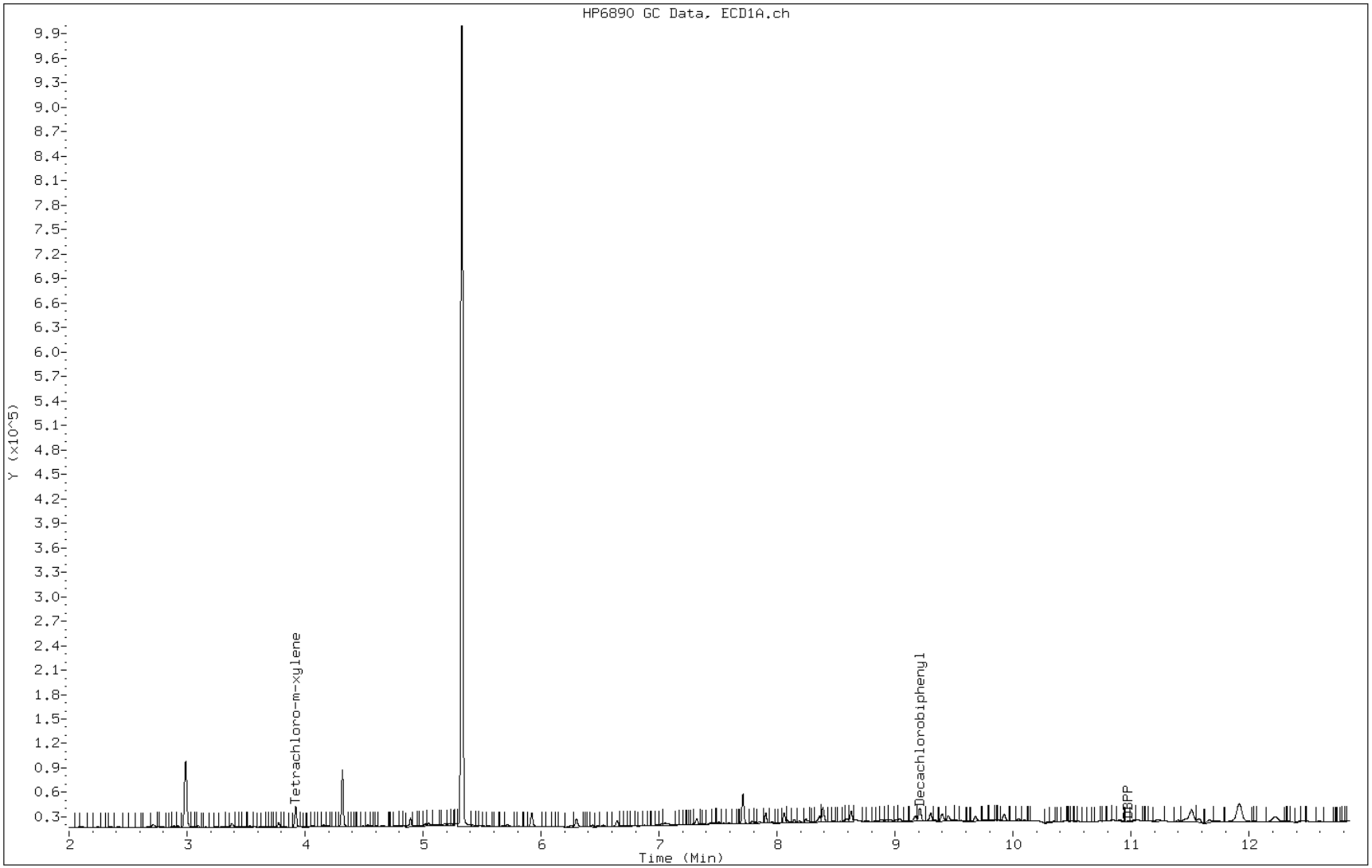
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160050.D

Date: 16-APR-2012 23:09

Client ID: UNK10601AA Instrument: GC_P1.i

Sample Info: 280-1342573,-7 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10602AA | Lab Sample ID: 280-27123-8

Matrix: Solid | Lab File ID: 04110053.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:45

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.6(g) | Date Analyzed: 04/11/2012 22:58

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.76	U	1.9	0.76	0.60
50-29-3	4,4'-DDT	0.76	U	2.2	0.76	0.65
309-00-2	Aldrin	0.51	U	1.9	0.51	0.28
319-84-6	alpha-BHC	0.51	U	1.9	0.51	0.24
319-85-7	beta-BHC	0.76	U	1.9	0.76	0.73
319-86-8	delta-BHC	0.76	U	1.9	0.76	0.44
58-89-9	gamma-BHC (Lindane)	0.76	U	1.9	0.76	0.51
76-44-8	Heptachlor	0.51	U	1.9	0.51	0.24
1024-57-3	Heptachlor epoxide	0.76	U	1.9	0.76	0.47
959-98-8	Endosulfan I	0.51	U	1.9	0.51	0.19
33213-65-9	Endosulfan II	0.51	U	1.9	0.51	0.32
1031-07-8	Endosulfan sulfate	0.51	U	1.9	0.51	0.30
72-20-8	Endrin	0.51	U	1.9	0.51	0.34
7421-93-4	Endrin aldehyde	0.51	U	1.9	0.51	0.19
53494-70-5	Endrin ketone	0.76	U	1.9	0.76	0.54
5103-74-2	gamma-Chlordane	0.76	U	1.9	0.76	0.29
72-43-5	Methoxychlor	0.76	U	3.6	0.76	0.50
5103-71-9	alpha-Chlordane	0.51	U	1.9	0.51	0.36
60-57-1	Dieldrin	0.51	U	1.9	0.51	0.23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		70-125
2051-24-3	DCB Decachlorobiphenyl	68		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110053.D
Lab Smp Id: 280-27123-A-8-F Client Smp ID: UNK10602AA
Inj Date : 11-APR-2012 22:58
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342574,-8
Misc Info : 280-27123-A-8-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	31.600	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2	Tetrachloro-m-xylene	3.918	3.917	0.001	153428	15.0757	4.7708
3	Hexachlorobenzene	Compound Not Detected.					
4	Diallate	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	Compound Not Detected.					
8	delta-BHC	Compound Not Detected.					
9	Technical Chlordane	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
13	Isodrin	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Heptachlor epoxide	Compound Not Detected.					
16	2,4'-DDE	Compound Not Detected.					
17	Toxaphene	Compound Not Detected.					
18	gamma-Chlordane	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	4,4'-DDE	6.438	6.442	-0.004	11793	1.04181	0.32969(a)
21	Endosulfan I	Compound Not Detected.					
22	2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.211	9.213	-0.002	103530	13.6494	4.3194(R)
	37 DBPP	10.966	10.970	-0.004	1352	395.953	125.30
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

QC Flag Legend

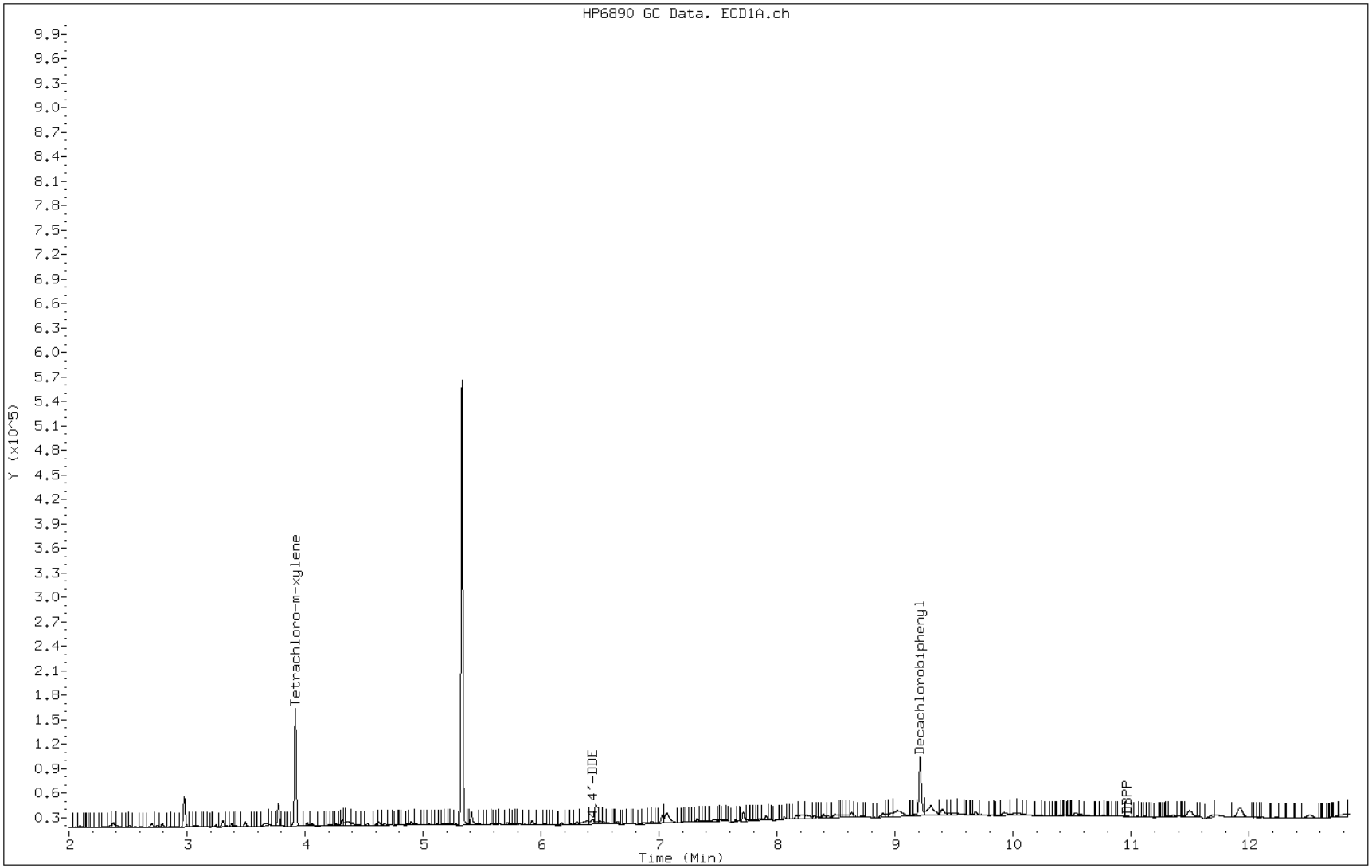
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110053.D

Date: 11-APR-2012 22:58

Client ID: UNK10602AA Instrument: GC_P1.i

Sample Info: 280-1342574,-8 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10602AA | Lab Sample ID: 280-27123-8

Matrix: Solid | Lab File ID: 04110053.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:45

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.6(g) | Date Analyzed: 04/11/2012 22:58

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	0.51	U	1.9	0.51	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		70-125
2051-24-3	DCB Decachlorobiphenyl	78		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110053.D
Lab Smp Id: 280-27123-A-8-F Client Smp ID: UNK10602AA
Inj Date : 11-APR-2012 22:58
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342574,-8
Misc Info : 280-27123-A-8-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	31.600	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.787	3.787	0.000	170823	15.5060	4.9070
3 Diallate	Compound Not Detected.					
4 Hexachlorobenzene	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Technical Chlordane	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
13 Toxaphene	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	Compound Not Detected.					
17 gamma-Chlordane	Compound Not Detected.					
18 2,4'-DDE	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
21 4,4'-DDE	Compound Not Detected.					
22 Dieldrin	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
	23 2,4'-DDD	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	24 Chlorobenzilate	Compound Not Detected.					
	26 2,4'-DDT	Compound Not Detected.					
	27 Kepone	Compound Not Detected.					
	28 4,4'-DDD	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Endosulfan sulfate	Compound Not Detected.					
	33 Methoxychlor	Compound Not Detected.					
	34 Mirex	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.326	9.328	-0.002	136703	15.5950	4.9351(R)
	37 DBPP	11.037	11.039	-0.002	11371	378.562	119.80
M	135 Chlordane NOS	Compound Not Detected.					
M	137 Endosulfan, Total	Compound Not Detected.					
M	136 HCH, technical	Compound Not Detected.					

QC Flag Legend

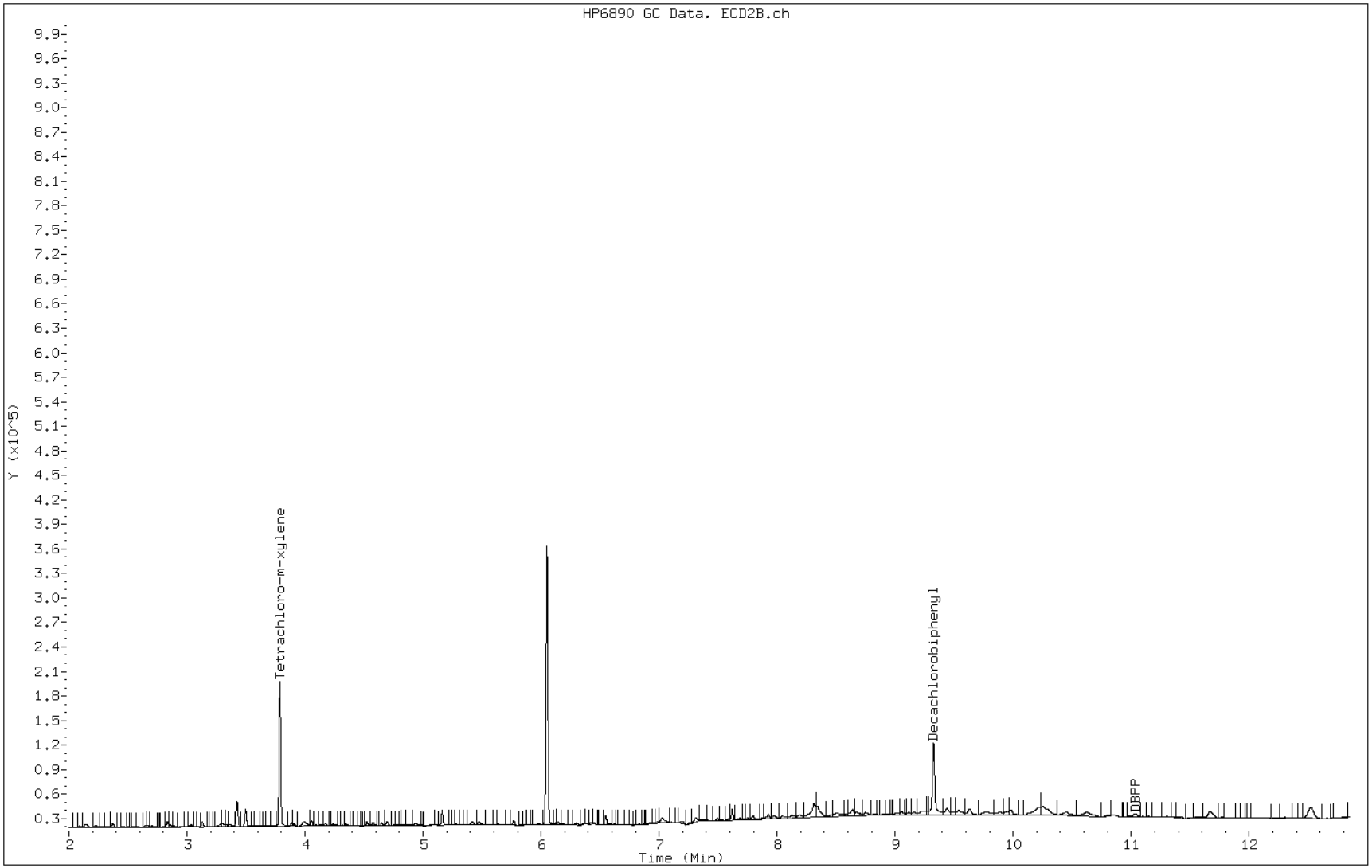
R - Spike/Surrogate failed recovery limits.

Data File: 04110053.D

Date: 11-APR-2012 22:58

Client ID: UNK10602AA Instrument: GC_P1.i

Sample Info: 280-1342574,-8 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10602AA | Lab Sample ID: 280-27123-8

Matrix: Solid | Lab File ID: 04160051.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:45

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.6(g) | Date Analyzed: 04/16/2012 23:26

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	150	U	940	150	87

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	72	D	70-125
2051-24-3	DCB Decachlorobiphenyl	66	D	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160051.D
Lab Smp Id: 280-27123-A-8-F Client Smp ID: UNK10602AA
Inj Date : 16-APR-2012 23:26
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342574,-8
Misc Info : 280-27123-A-8-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 45
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	31.600	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.920	3.920	0.000	33691	2.89034	4.5733(a)
3 Hexachlorobenzene	Compound Not Detected.					
4 Diallate	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 delta-BHC	Compound Not Detected.					
9 Technical Chlordane	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
13 Isodrin	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Heptachlor epoxide	Compound Not Detected.					
16 2,4'-DDE	Compound Not Detected.					
17 Toxaphene	Compound Not Detected.					
18 gamma-Chlordane	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 4,4'-DDE	Compound Not Detected.					
21 Endosulfan I	Compound Not Detected.					
22 2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.209	9.210	-0.001	26284	2.62251	4.1495(aR)
	37 DBPP	10.971	10.967	0.004	285	395.582	625.92
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

QC Flag Legend

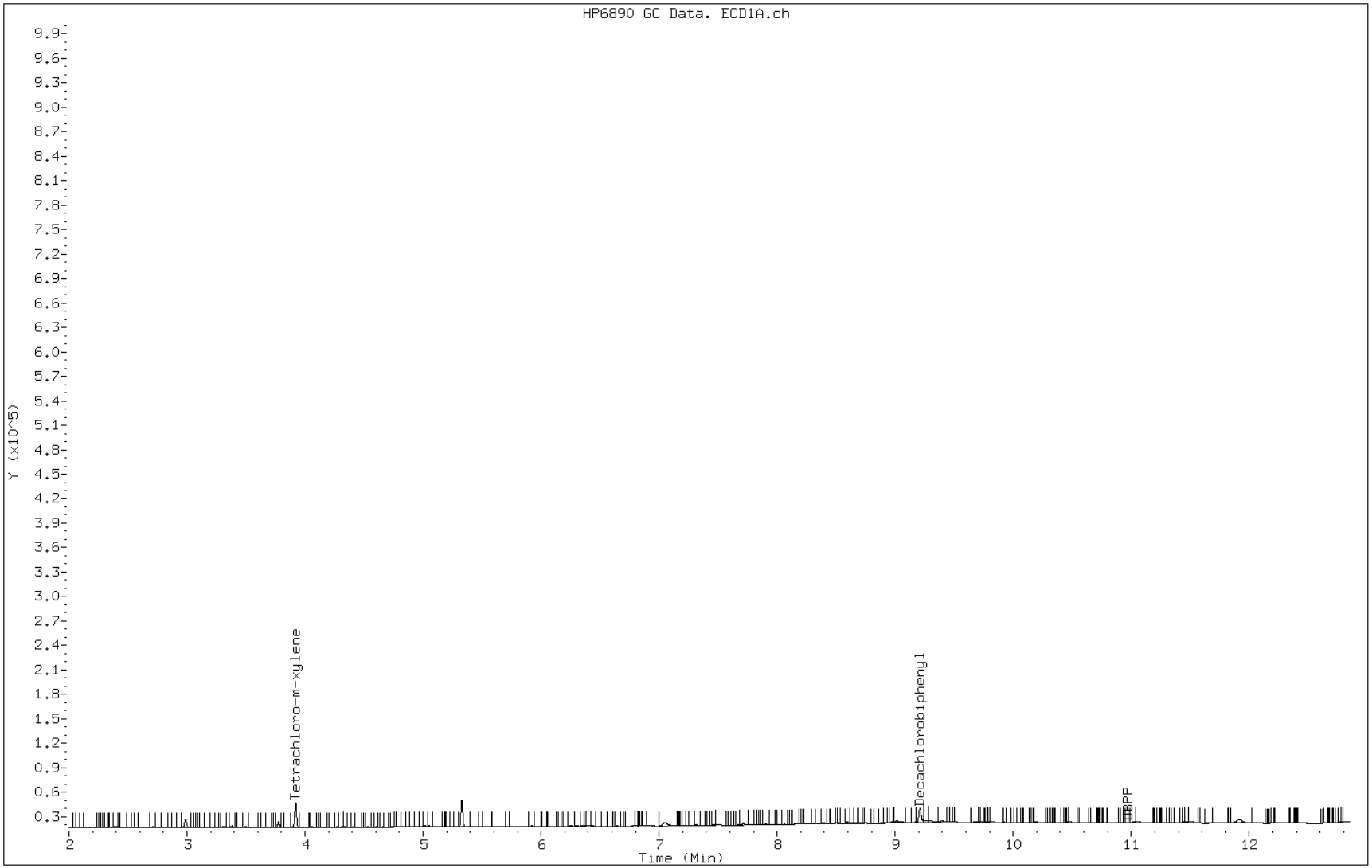
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160051.D

Date: 16-APR-2012 23:26

Client ID: UNK10602AA Instrument: GC_P1.i

Sample Info: 280-1342574,-8 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA | Lab Sample ID: 280-27123-9

Matrix: Solid | Lab File ID: 04110054.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:55

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.6(g) | Date Analyzed: 04/11/2012 23:14

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 29.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.96	U Q	2.4	0.96	0.76
72-55-9	4,4'-DDE	5.6	Q	2.4	0.64	0.33
50-29-3	4,4'-DDT	15	Q	2.8	0.96	0.82
309-00-2	Aldrin	0.64	U Q	2.4	0.64	0.35
319-84-6	alpha-BHC	0.64	U Q	2.4	0.64	0.30
319-86-8	delta-BHC	0.96	U Q	2.4	0.96	0.56
58-89-9	gamma-BHC (Lindane)	0.96	U Q	2.4	0.96	0.65
76-44-8	Heptachlor	0.64	U Q	2.4	0.64	0.30
1024-57-3	Heptachlor epoxide	0.96	U Q	2.4	0.96	0.59
959-98-8	Endosulfan I	0.64	U Q	2.4	0.64	0.25
33213-65-9	Endosulfan II	0.64	U Q	2.4	0.64	0.40
1031-07-8	Endosulfan sulfate	0.64	U Q	2.4	0.64	0.38
72-20-8	Endrin	0.64	U Q	2.4	0.64	0.43
7421-93-4	Endrin aldehyde	0.64	U Q	2.4	0.64	0.24
53494-70-5	Endrin ketone	0.96	U Q	2.4	0.96	0.68
5103-74-2	gamma-Chlordane	0.96	U Q	2.4	0.96	0.37
72-43-5	Methoxychlor	0.96	U Q	4.6	0.96	0.63
5103-71-9	alpha-Chlordane	0.64	U Q	2.4	0.64	0.45

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	67	Q	70-125
2051-24-3	DCB Decachlorobiphenyl	116	M	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110054.D
Lab Smp Id: 280-27123-A-9-F Client Smp ID: UNK10701AA
Inj Date : 11-APR-2012 23:14
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342575,-9
Misc Info : 280-27123-A-9-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.600	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.919	3.917	0.002	137203	13.4245	4.3871(R)
3 Hexachlorobenzene	Compound Not Detected.					
4 Diallate	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	4.866	4.878	-0.012	16145	2.19562	0.71752(a)
8 delta-BHC	Compound Not Detected.					
9 Technical Chlordane	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
13 Isodrin	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Heptachlor epoxide	Compound Not Detected.					
16 2,4'-DDE	Compound Not Detected.					
17 Toxaphene	Compound Not Detected.					
18 gamma-Chlordane	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 4,4'-DDE	6.439	6.442	-0.003	131631	12.1428	3.9682
21 Endosulfan I	Compound Not Detected.					
22 2,4'-DDD	Compound Not Detected.					
23 Dieldrin	6.742	6.752	-0.010	37629	3.12811	1.0222(a)

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
24	2,4'-DDT	6.874	6.875	-0.001	32392	4.16879	1.3623(a)
25	Endrin	Compound Not Detected.					
26	Kepone	Compound Not Detected.					
27	4,4'-DDD	Compound Not Detected.					
28	Chlorobenzilate	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	7.319	7.322	-0.003	274071	31.2945	10.227
31	Endrin aldehyde	Compound Not Detected.					
32	Methoxychlor	Compound Not Detected.					
33	Mirex	Compound Not Detected.					
34	Endosulfan sulfate	Compound Not Detected.					
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.219	9.213	0.006	171087	23.2932	7.6122(M)
37	DBPP	Compound Not Detected.					
M 137	Chlordane NOS	Compound Not Detected.					
M 139	Endosulfan, Total	Compound Not Detected.					
M 138	HCH, technical				16145	2.19562	0.71752(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: 04110054.D

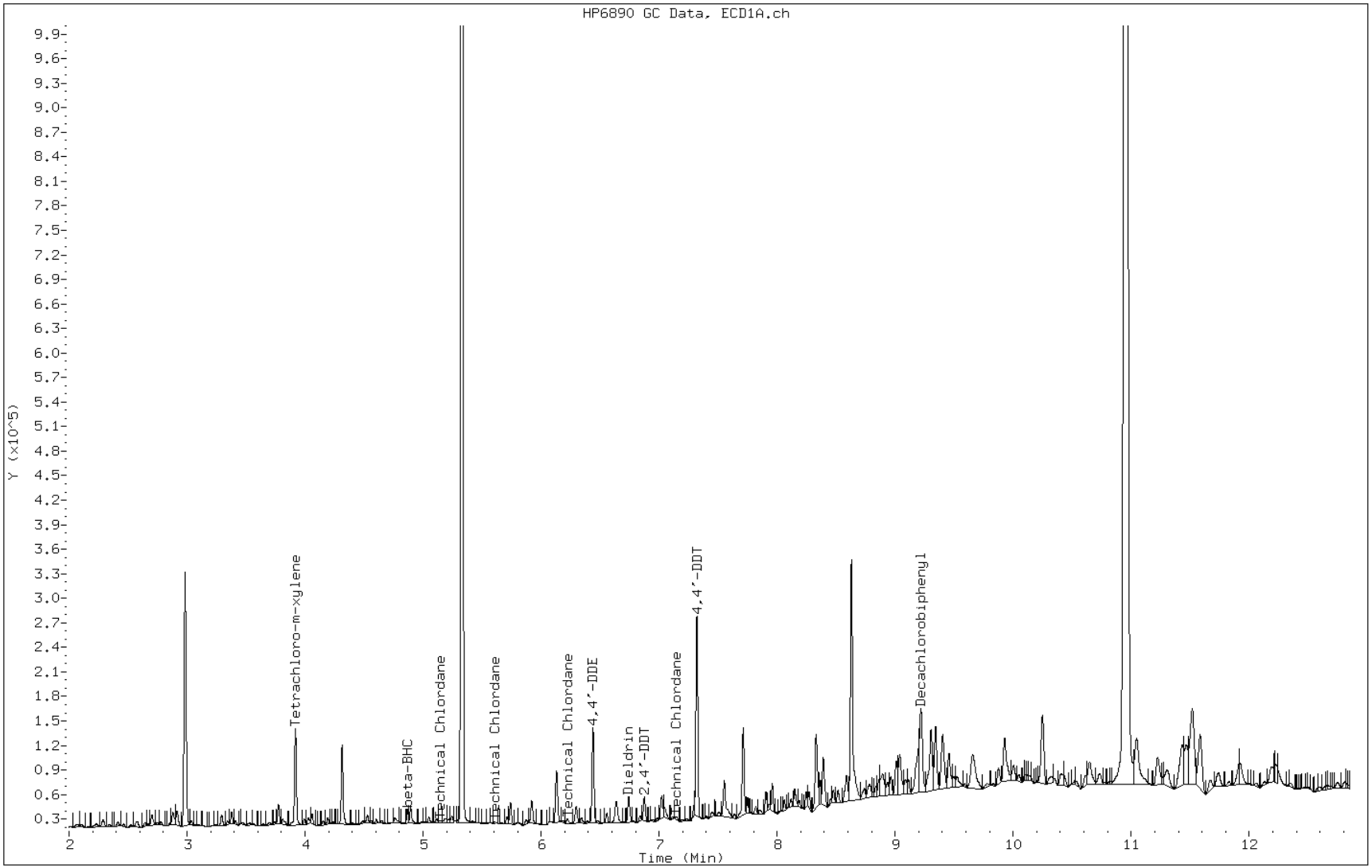
Date: 11-APR-2012 23:14

Client ID: UNK10701AA

Instrument: GC_P1.i

Sample Info: 280-1342575,-9

Operator: DW



Manual Integration Report

Data File: 04110054.D
Inj. Date and Time: 11-APR-2012 23:14
Instrument ID: GC_P1.i
Client ID: UNK10701AA
Compound: 36 Decachlorobiphenyl
CAS #:
Report Date: 04/12/2012

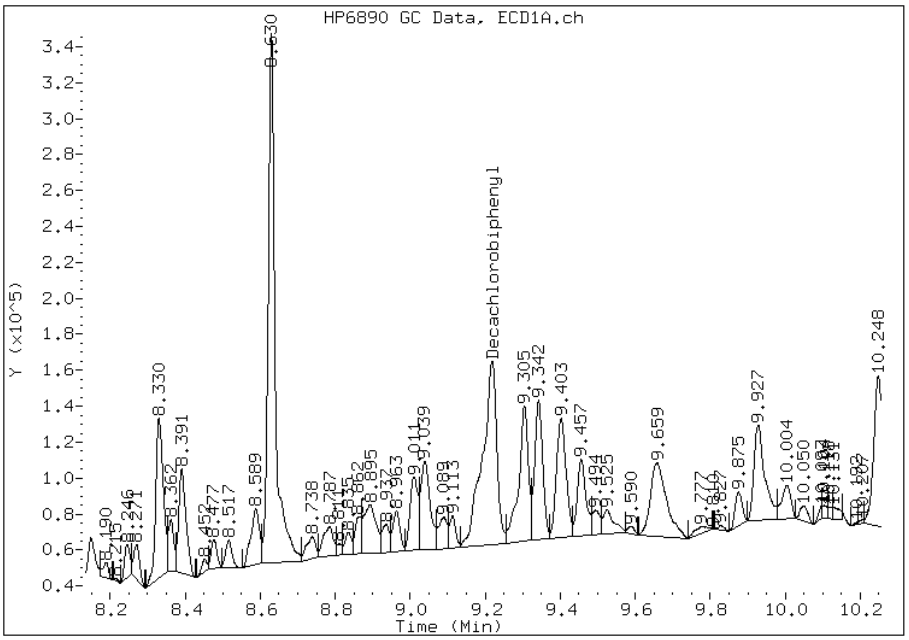
Processing Integration Results

RT: 9.22

Response: 273510

Amount: 37.91

Conc: 12.39



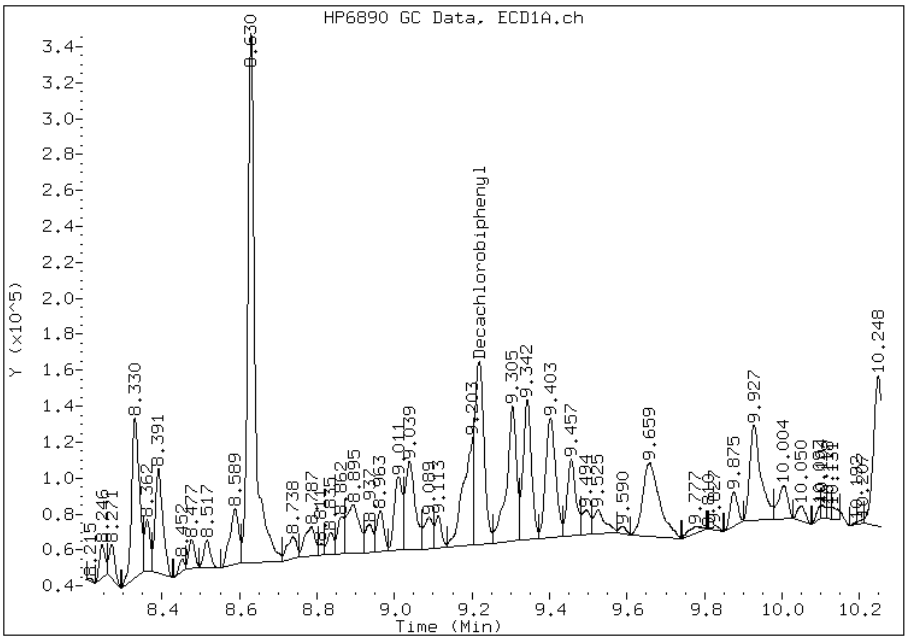
Manual Integration Results

RT: 9.22

Response: 171087

Amount: 23.29

Conc: 7.61



Manually Integrated By: wellsd
Manual Integration Reason: Split Peak

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA | Lab Sample ID: 280-27123-9

Matrix: Solid | Lab File ID: 04110054.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:55

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.6(g) | Date Analyzed: 04/11/2012 23:14

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 29.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-85-7	beta-BHC	0.96	U Q	2.4	0.96	0.93
60-57-1	Dieldrin	0.39	J Q	2.4	0.64	0.29

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	70		70-125
2051-24-3	DCB Decachlorobiphenyl	180	Q	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110054.D
Lab Smp Id: 280-27123-A-9-F Client Smp ID: UNK10701AA
Inj Date : 11-APR-2012 23:14
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342575,-9
Misc Info : 280-27123-A-9-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.600	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.788	3.787	0.001	154566	13.9933	4.5730(R)
3 Diallate	Compound Not Detected.					
4 Hexachlorobenzene	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Technical Chlordane	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
13 Toxaphene	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	Compound Not Detected.					
17 gamma-Chlordane	6.087	6.092	-0.005	11281	0.88127	0.28800(a)
18 2,4'-DDE	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
21 4,4'-DDE	6.421	6.423	-0.002	163278	13.2767	4.3388
22 Dieldrin	6.580	6.582	-0.002	10419	0.83474	0.27279(a)
23 2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
25	Endrin	Compound Not Detected.					
24	Chlorobenzilate	Compound Not Detected.					
26	2,4'-DDT	6.930	6.930	0.000	34573	3.96225	1.2948(a)
27	Kepone	Compound Not Detected.					
28	4,4'-DDD	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	7.307	7.308	-0.001	296976	33.7968	11.045
31	Endrin aldehyde	Compound Not Detected.					
32	Endosulfan sulfate	Compound Not Detected.					
33	Methoxychlor	Compound Not Detected.					
34	Mirex	8.150	8.137	0.013	42943	4.58155	1.4972(a)
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.322	9.328	-0.006	303575	35.9102	11.735(R)
37	DBPP	11.026	11.039	-0.013	143220	427.146	139.59
M 135	Chlordane NOS				11281	0.88127	0.28800(a)
M 137	Endosulfan, Total	Compound Not Detected.					
M 136	HCH, technical	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110054.D

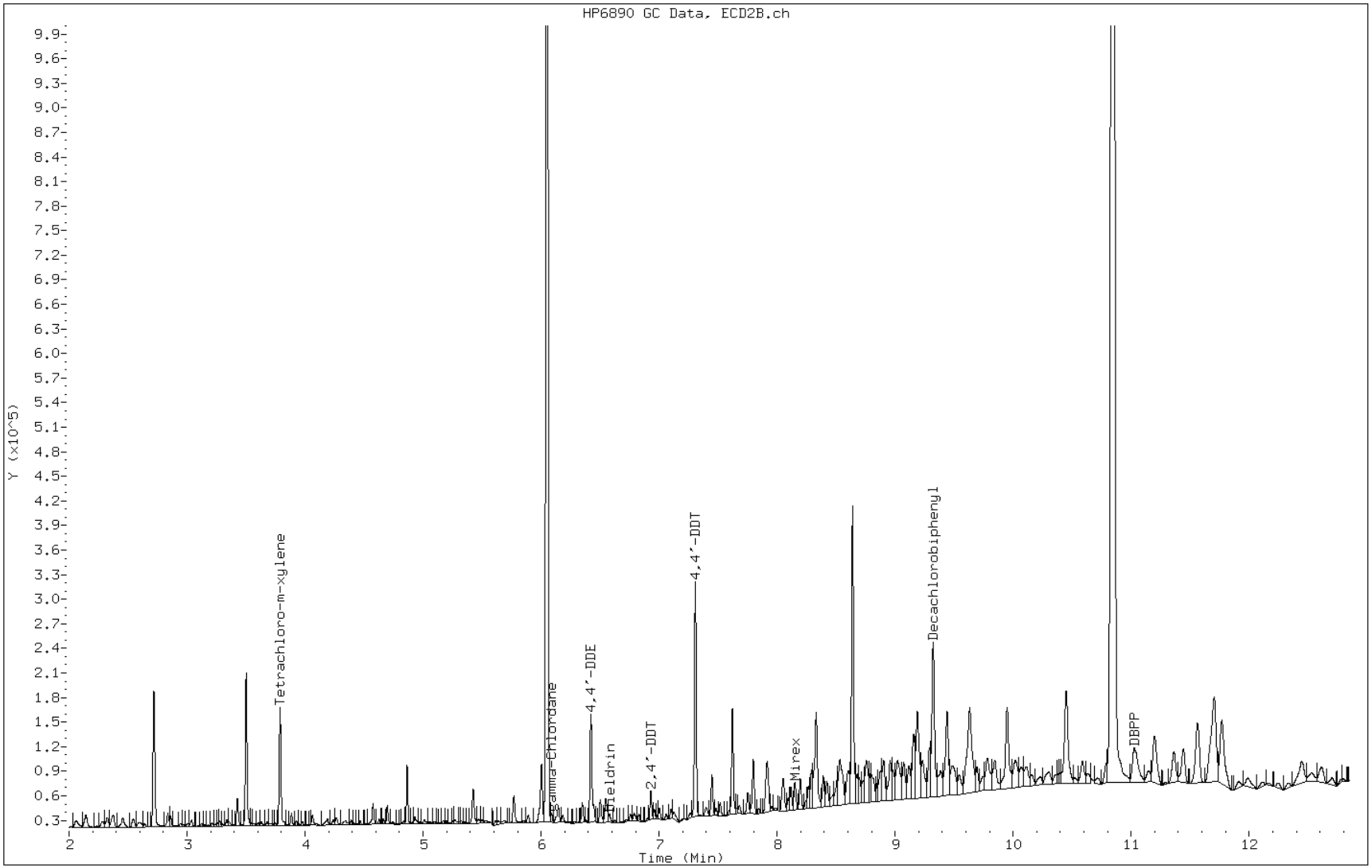
Date: 11-APR-2012 23:14

Client ID: UNK10701AA

Instrument: GC_P1.i

Sample Info: 280-1342575,-9

Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA | Lab Sample ID: 280-27123-9

Matrix: Solid | Lab File ID: 04160052.D

Analysis Method: 8081A | Date Collected: 03/27/2012 12:55

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.6(g) | Date Analyzed: 04/16/2012 23:44

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 29.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	190	U Q	1200	190	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	59	Q D	70-125
2051-24-3	DCB Decachlorobiphenyl	180	Q D	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160052.D
Lab Smp Id: 280-27123-A-9-F Client Smp ID: UNK10701AA
Inj Date : 16-APR-2012 23:44
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342575,-9
Misc Info : 280-27123-A-9-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 46
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.600	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2	Tetrachloro-m-xylene	3.921	3.920	0.001	28493	2.36136	3.8584(aR)
3	Hexachlorobenzene	Compound Not Detected.					
4	Diallate	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	Compound Not Detected.					
8	delta-BHC	Compound Not Detected.					
9	Technical Chlordane	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
13	Isodrin	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Heptachlor epoxide	Compound Not Detected.					
16	2,4'-DDE	Compound Not Detected.					
17	Toxaphene	Compound Not Detected.					
18	gamma-Chlordane	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	4,4'-DDE	6.438	6.440	-0.002	26344	2.38972	3.9048(a)
21	Endosulfan I	Compound Not Detected.					
22	2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
23	Dieldrin	Compound Not Detected.					
24	2,4'-DDT	Compound Not Detected.					
25	Endrin	Compound Not Detected.					
26	Kepone	Compound Not Detected.					
27	4,4'-DDD	Compound Not Detected.					
28	Chlorobenzilate	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	7.318	7.320	-0.002	56171	6.27992	10.261
31	Endrin aldehyde	Compound Not Detected.					
32	Methoxychlor	Compound Not Detected.					
33	Mirex	Compound Not Detected.					
34	Endosulfan sulfate	Compound Not Detected.					
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.213	9.210	0.003	58434	7.21194	11.784(R)
37	DBPP	Compound Not Detected.					
M 137	Chlordane NOS	Compound Not Detected.					
M 139	Endosulfan, Total	Compound Not Detected.					
M 138	HCH, technical	Compound Not Detected.					

QC Flag Legend

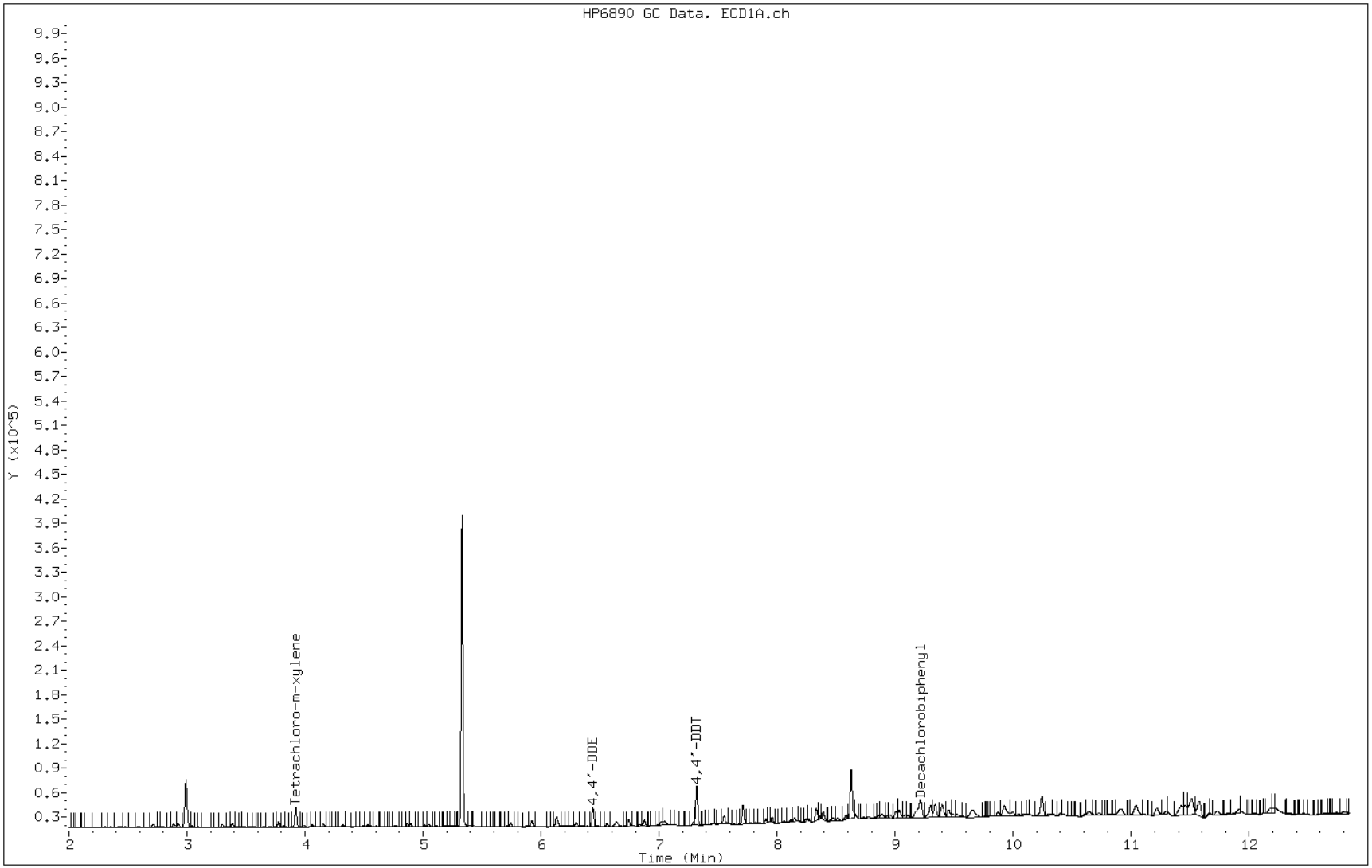
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160052.D

Date: 16-APR-2012 23:44

Client ID: UNK10701AA Instrument: GC_P1.i

Sample Info: 280-1342575,-9 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA | Lab Sample ID: 280-27123-10

Matrix: Solid | Lab File ID: 04110055.D

Analysis Method: 8081A | Date Collected: 03/27/2012 13:15

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.2(g) | Date Analyzed: 04/11/2012 23:31

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.88	U Q	2.2	0.88	0.70
50-29-3	4,4'-DDT	0.88	U Q	2.6	0.88	0.75
309-00-2	Aldrin	0.59	U Q	2.2	0.59	0.32
319-84-6	alpha-BHC	0.59	U Q	2.2	0.59	0.27
319-85-7	beta-BHC	0.88	U Q	2.2	0.88	0.85
319-86-8	delta-BHC	0.88	U Q	2.2	0.88	0.51
58-89-9	gamma-BHC (Lindane)	0.88	U Q	2.2	0.88	0.59
76-44-8	Heptachlor	0.59	U Q	2.2	0.59	0.27
1024-57-3	Heptachlor epoxide	0.88	U Q	2.2	0.88	0.54
33213-65-9	Endosulfan II	0.59	U Q	2.2	0.59	0.37
1031-07-8	Endosulfan sulfate	0.59	U Q	2.2	0.59	0.35
72-20-8	Endrin	0.59	U Q	2.2	0.59	0.39
7421-93-4	Endrin aldehyde	0.59	U Q	2.2	0.59	0.22
53494-70-5	Endrin ketone	0.88	U Q	2.2	0.88	0.62
5103-74-2	gamma-Chlordane	0.88	U Q	2.2	0.88	0.34
72-43-5	Methoxychlor	0.88	U Q	4.2	0.88	0.57
5103-71-9	alpha-Chlordane	0.59	U Q	2.2	0.59	0.41
60-57-1	Dieldrin	0.59	U Q	2.2	0.59	0.27

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62	Q	70-125
2051-24-3	DCB Decachlorobiphenyl	55		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110055.D
Lab Smp Id: 280-27123-A-10-F Client Smp ID: UNK10702AA
Inj Date : 11-APR-2012 23:31
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342576,-10
Misc Info : 280-27123-A-10-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2	Tetrachloro-m-xylene	3.917	3.917	0.000	127352	12.4220	4.1132(R)
3	Hexachlorobenzene	Compound Not Detected.					
4	Diallate	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	Compound Not Detected.					
8	delta-BHC	Compound Not Detected.					
9	Technical Chlordane	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
13	Isodrin	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Heptachlor epoxide	Compound Not Detected.					
16	2,4'-DDE	Compound Not Detected.					
17	Toxaphene	Compound Not Detected.					
18	gamma-Chlordane	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	4,4'-DDE	6.436	6.442	-0.006	23106	2.08977	0.69198(a)
21	Endosulfan I	6.501	6.507	-0.006	18018	1.17877	0.39032(a)
22	2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.211	9.213	-0.002	85377	11.0581	3.6616(R)
	37 DBPP	10.965	10.970	-0.005	2309	396.286	131.22
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total				18018		(a)
M	138 HCH, technical	Compound Not Detected.					

QC Flag Legend

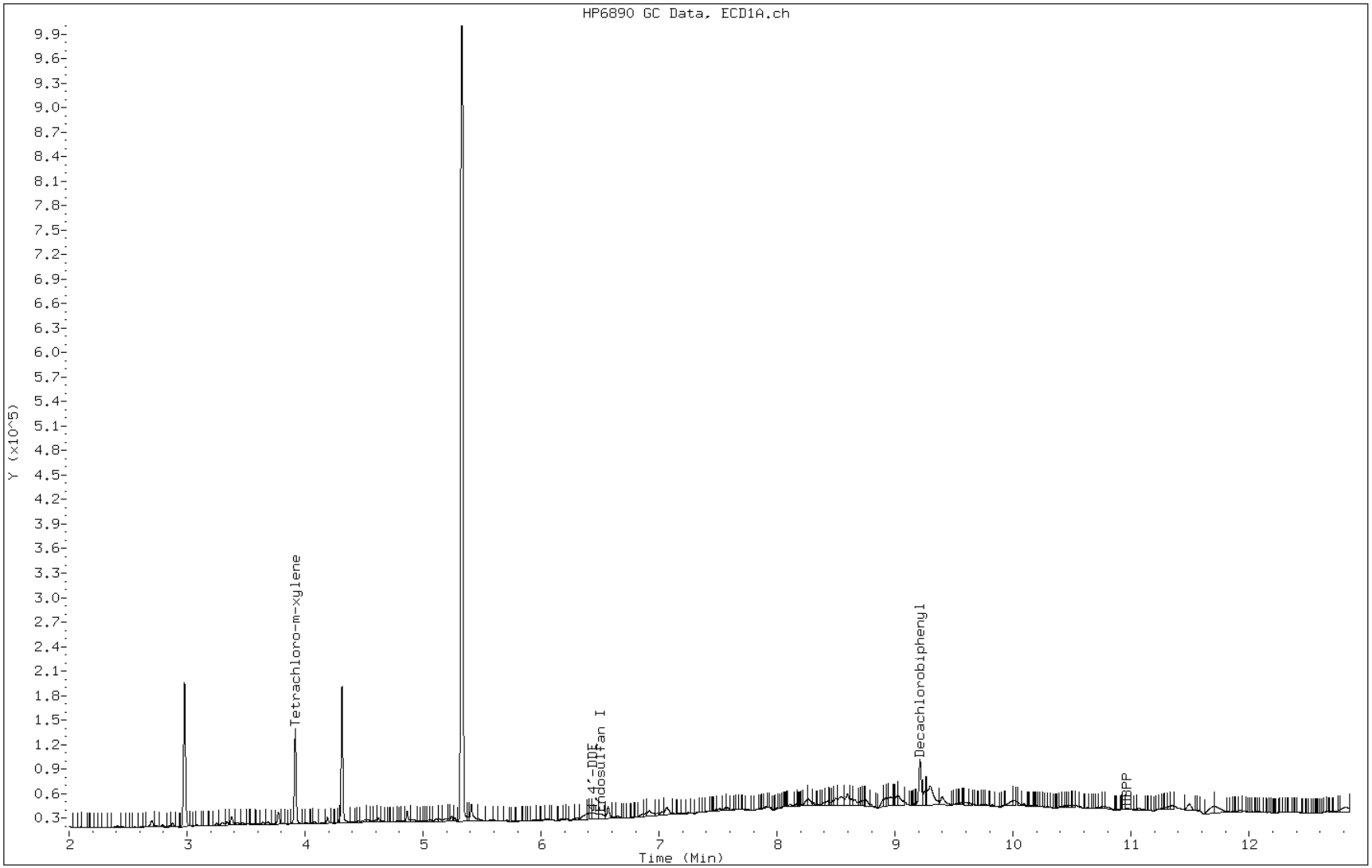
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110055.D

Date: 11-APR-2012 23:31

Client ID: UNK10702AA Instrument: GC_P1.i

Sample Info: 280-1342576,-10 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA | Lab Sample ID: 280-27123-10

Matrix: Solid | Lab File ID: 04110055.D

Analysis Method: 8081A | Date Collected: 03/27/2012 13:15

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.2(g) | Date Analyzed: 04/11/2012 23:31

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	0.59	U Q	2.2	0.59	0.30
959-98-8	Endosulfan I	0.59	U Q	2.2	0.59	0.22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64	*Q*	70-125
2051-24-3	DCB Decachlorobiphenyl	73		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110055.D
Lab Smp Id: 280-27123-A-10-F Client Smp ID: UNK10702AA
Inj Date : 11-APR-2012 23:31
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342576,-10
Misc Info : 280-27123-A-10-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.787	3.787	0.000	141066	12.7371	4.2176(R)
3 Diallate	Compound Not Detected.					
4 Hexachlorobenzene	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Technical Chlordane	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
13 Toxaphene	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	Compound Not Detected.					
17 gamma-Chlordane	6.083	6.092	-0.009	18511	1.44608	0.47883(a)
18 2,4'-DDE	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
21 4,4'-DDE	Compound Not Detected.					
22 Dieldrin	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
23	2,4'-DDD	Compound Not Detected.					
25	Endrin	Compound Not Detected.					
24	Chlorobenzilate	Compound Not Detected.					
26	2,4'-DDT	Compound Not Detected.					
27	Kepone	Compound Not Detected.					
28	4,4'-DDD	Compound Not Detected.					
29	Endosulfan II	Compound Not Detected.					
30	4,4'-DDT	Compound Not Detected.					
31	Endrin aldehyde	Compound Not Detected.					
32	Endosulfan sulfate	Compound Not Detected.					
33	Methoxychlor	Compound Not Detected.					
34	Mirex	Compound Not Detected.					
35	Endrin ketone	Compound Not Detected.					
$ 36	Decachlorobiphenyl	9.325	9.328	-0.003	128474	14.5932	4.8322(R)
37	DBPP	Compound Not Detected.					
M 135	Chlordane NOS				18511	1.44608	0.47883(a)
M 137	Endosulfan, Total	Compound Not Detected.					
M 136	HCH, technical	Compound Not Detected.					

QC Flag Legend

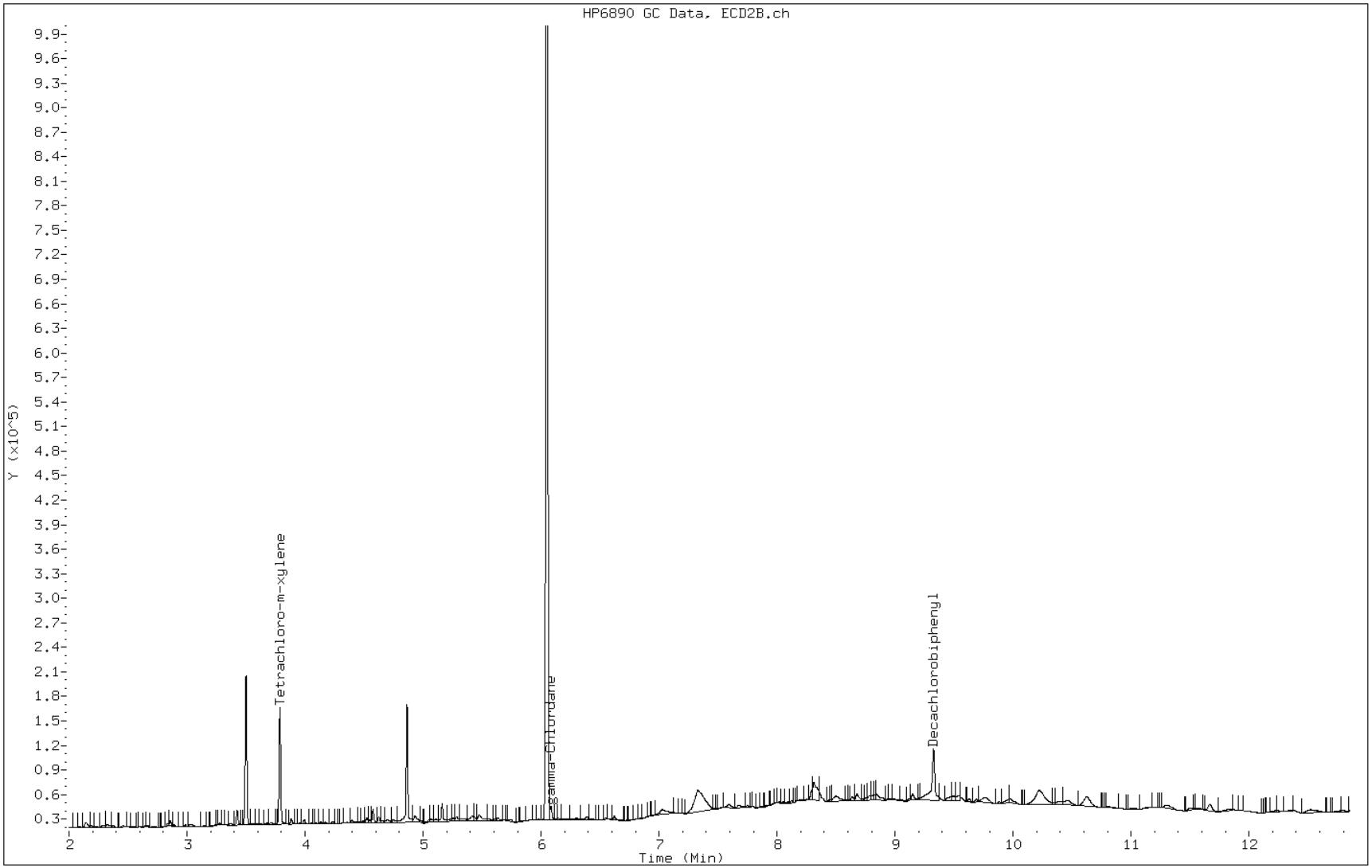
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110055.D

Date: 11-APR-2012 23:31

Client ID: UNK10702AA Instrument: GC_P1.i

Sample Info: 280-1342576,-10 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA | Lab Sample ID: 280-27123-10

Matrix: Solid | Lab File ID: 04160053.D

Analysis Method: 8081A | Date Collected: 03/27/2012 13:15

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.2(g) | Date Analyzed: 04/17/2012 00:01

Con. Extract Vol.: 10000(uL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115801 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	170	U Q	1100	170	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	59	Q D	70-125
2051-24-3	DCB Decachlorobiphenyl	48	Q D	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160053.D
Lab Smp Id: 280-27123-A-10-F Client Smp ID: UNK10702AA
Inj Date : 17-APR-2012 00:01
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342576,-10
Misc Info : 280-27123-A-10-F
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 47
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.920	3.920	0.000	28392	2.35108	3.8925(aR)
3 Hexachlorobenzene	Compound Not Detected.					
4 Diallate	Compound Not Detected.					
5 alpha-BHC	Compound Not Detected.					
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 delta-BHC	Compound Not Detected.					
9 Technical Chlordane	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
13 Isodrin	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Heptachlor epoxide	Compound Not Detected.					
16 2,4'-DDE	Compound Not Detected.					
17 Toxaphene	Compound Not Detected.					
18 gamma-Chlordane	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 4,4'-DDE	Compound Not Detected.					
21 Endosulfan I	Compound Not Detected.					
22 2,4'-DDD	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.211	9.210	0.001	21303	1.91147	3.1647(aR)
	37 DBPP	10.977	10.967	0.010	43	395.497	654.80
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

QC Flag Legend

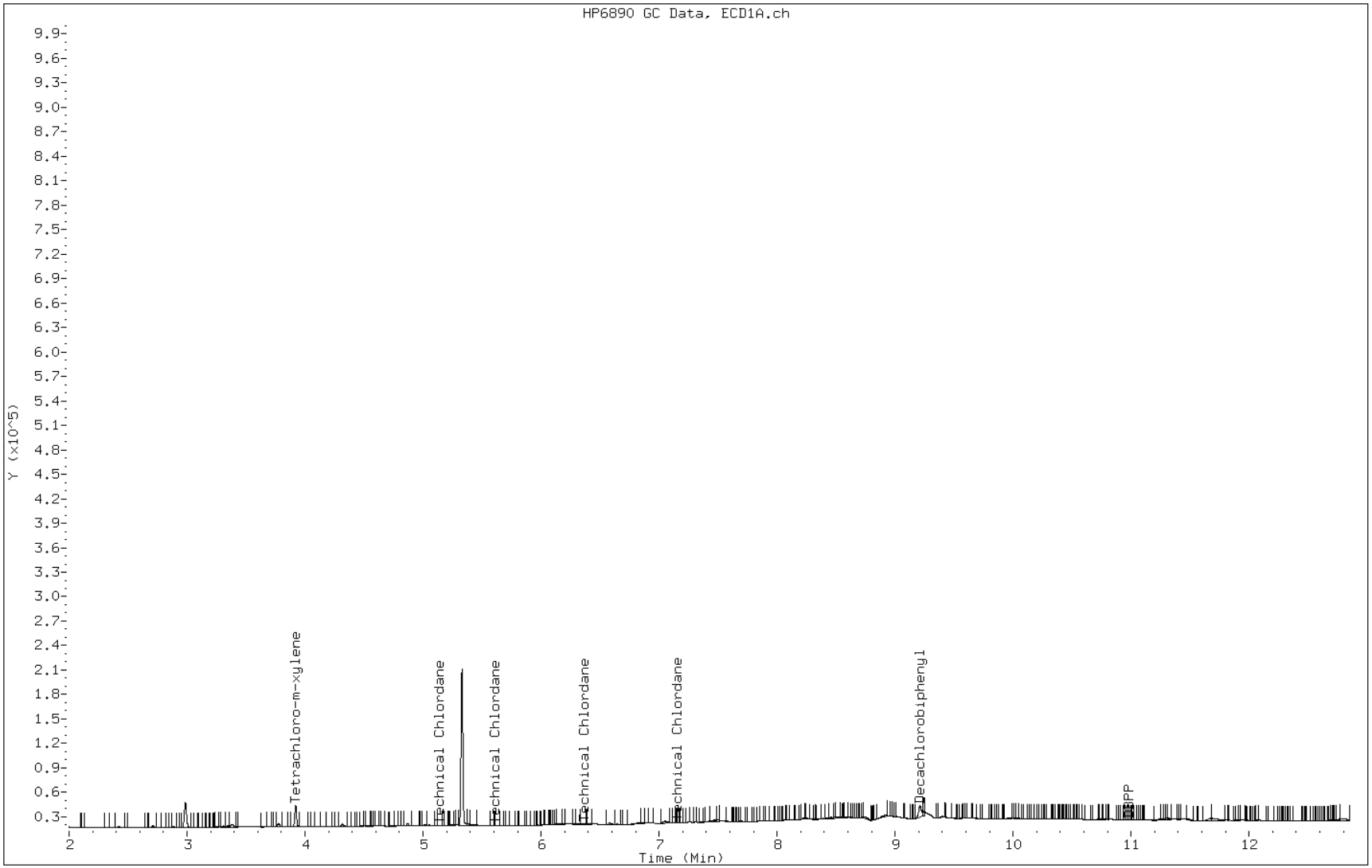
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04160053.D

Date: 17-APR-2012 00:01

Client ID: UNK10702AA Instrument: GC_P1.i

Sample Info: 280-1342576,-10 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AE | Lab Sample ID: 280-27123-11

Matrix: Water | Lab File ID: 04050053.D

Analysis Method: 8081A | Date Collected: 03/27/2012 14:10

Extraction Method: 3510C | Date Extracted: 04/02/2012 17:50

Sample wt/vol: 1037.4(mL) | Date Analyzed: 04/05/2012 23:15

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 114395 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.0096	U	0.048	0.0096	0.0074
72-55-9	4,4'-DDE	0.0096	U	0.048	0.0096	0.0072
50-29-3	4,4'-DDT	0.0096	U	0.048	0.0096	0.014
309-00-2	Aldrin	0.0096	U	0.048	0.0096	0.0057
319-84-6	alpha-BHC	0.0096	U	0.048	0.0096	0.0051
319-85-7	beta-BHC	0.0096	U	0.048	0.0096	0.0084
319-86-8	delta-BHC	0.0096	U	0.048	0.0096	0.0056
58-89-9	gamma-BHC (Lindane)	0.0096	U	0.048	0.0096	0.0067
76-44-8	Heptachlor	0.0096	U	0.048	0.0096	0.0074
1024-57-3	Heptachlor epoxide	0.0096	U	0.048	0.0096	0.0072
959-98-8	Endosulfan I	0.0096	U	0.048	0.0096	0.0056
33213-65-9	Endosulfan II	0.0096	U	0.048	0.0096	0.0067
1031-07-8	Endosulfan sulfate	0.0096	U	0.048	0.0096	0.0055
72-20-8	Endrin	0.0096	U	0.048	0.0096	0.0076
7421-93-4	Endrin aldehyde	0.0096	U	0.048	0.0096	0.0085
53494-70-5	Endrin ketone	0.0096	U	0.048	0.0096	0.0067
5103-74-2	gamma-Chlordane	0.0096	U	0.048	0.0096	0.0088
72-43-5	Methoxychlor	0.0096	U	0.096	0.0096	0.013
5103-71-9	alpha-Chlordane	0.0096	U	0.048	0.0096	0.0051
60-57-1	Dieldrin	0.0096	U	0.048	0.0096	0.0061
8001-35-2	Toxaphene	0.77	U	4.8	0.77	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		25-140
2051-24-3	DCB Decachlorobiphenyl	100		30-135

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\04050053.D
Lab Smp Id: 280-27123-C-11-A Client Smp ID: 032712AE
Inj Date : 05-APR-2012 23:15
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342460,3-11
Misc Info : 280-27123-C-11-A
Comment   : Method 8081/608
Method   : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\P1_8081_1.m
Meth Date : 06-Apr-2012 09:07 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Vs) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Vs	1037.400	Volume of Sample Extract (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ug/L)
$	2 Tetrachloro-m-xylene	3.916	3.916	0.000	166013	16.3564	0.15767
	3 Hexachlorobenzene	Compound Not Detected.					
	4 Diallate	Compound Not Detected.					
	5 alpha-BHC	Compound Not Detected.					
	6 gamma-BHC (Lindane)	Compound Not Detected.					
	7 beta-BHC	Compound Not Detected.					
	8 delta-BHC	Compound Not Detected.					
	9 Technical Chlordane	Compound Not Detected.					
	10 Heptachlor	Compound Not Detected.					
	11 Aldrin	Compound Not Detected.					
	12 Chlorpyrifos	Compound Not Detected.					
	13 Isodrin	Compound Not Detected.					
	14 Dicofol	Compound Not Detected.					
	15 Heptachlor epoxide	Compound Not Detected.					
	16 2,4'-DDE	Compound Not Detected.					
	17 Toxaphene	Compound Not Detected.					
	18 gamma-Chlordane	Compound Not Detected.					
	19 alpha-Chlordane	Compound Not Detected.					
	20 4,4'-DDE	Compound Not Detected.					
	21 Endosulfan I	Compound Not Detected.					
	22 2,4'-DDD	Compound Not Detected.					

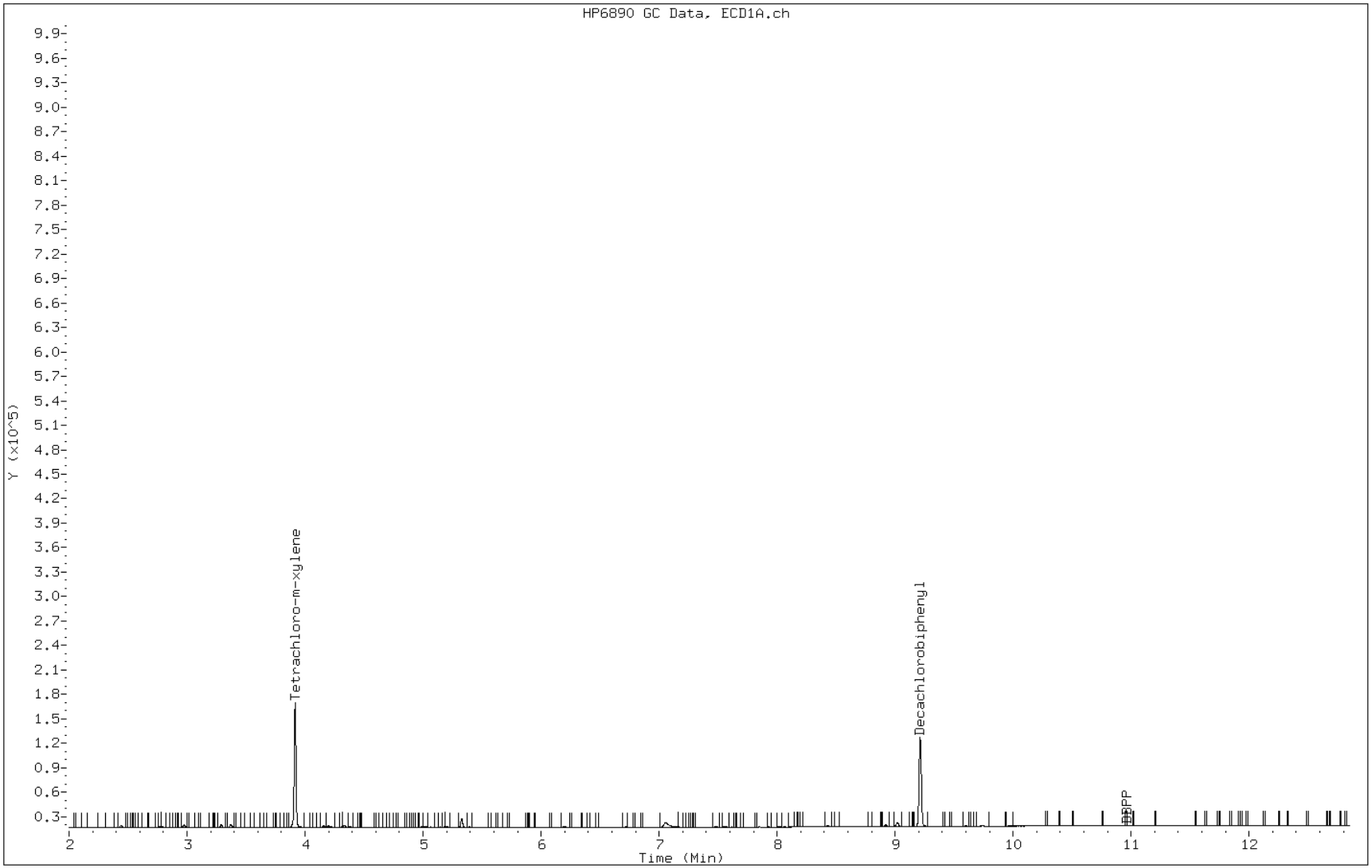
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/L)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.211	9.213	-0.002	148028	20.0015	0.19280
	37 DBPP	10.964	10.973	-0.009	148	395.534	3.8127
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

Data File: 04050053.D

Date: 05-APR-2012 23:15

Client ID: 032712AE Instrument: GC_P1.i

Sample Info: 280-1342460,3-11 Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AE Lab Sample ID: 280-27123-11

Matrix: Water Lab File ID: 04050053.D

Analysis Method: 8081A Date Collected: 03/27/2012 14:10

Extraction Method: 3510C Date Extracted: 04/02/2012 17:50

Sample wt/vol: 1037.4(mL) Date Analyzed: 04/05/2012 23:15

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

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

Analysis Batch No.: 114395 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		25-140
2051-24-3	DCB Decachlorobiphenyl	97		30-135

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\04050053.D
Lab Smp Id: 280-27123-C-11-A Client Smp ID: 032712AE
Inj Date : 05-APR-2012 23:15
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342460,3-11
Misc Info : 280-27123-C-11-A
Comment   : Method 8081/608
Method   : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\P1_8081_2.m
Meth Date : 06-Apr-2012 09:23 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Vs) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Vs	1037.400	Volume of Sample Extract (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng/ml)	FINAL (ug/L)
$ 2	Tetrachloro-m-xylene	3.786	3.785	0.001	175920	15.9802	0.15404
3	Diallate	Compound Not Detected.					
4	Hexachlorobenzene	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	Compound Not Detected.					
8	Technical Chlordane	Compound Not Detected.					
9	delta-BHC	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
13	Toxaphene	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Isodrin	Compound Not Detected.					
16	Heptachlor epoxide	Compound Not Detected.					
17	gamma-Chlordane	Compound Not Detected.					
18	2,4'-DDE	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	Endosulfan I	Compound Not Detected.					
21	4,4'-DDE	Compound Not Detected.					
22	Dieldrin	Compound Not Detected.					

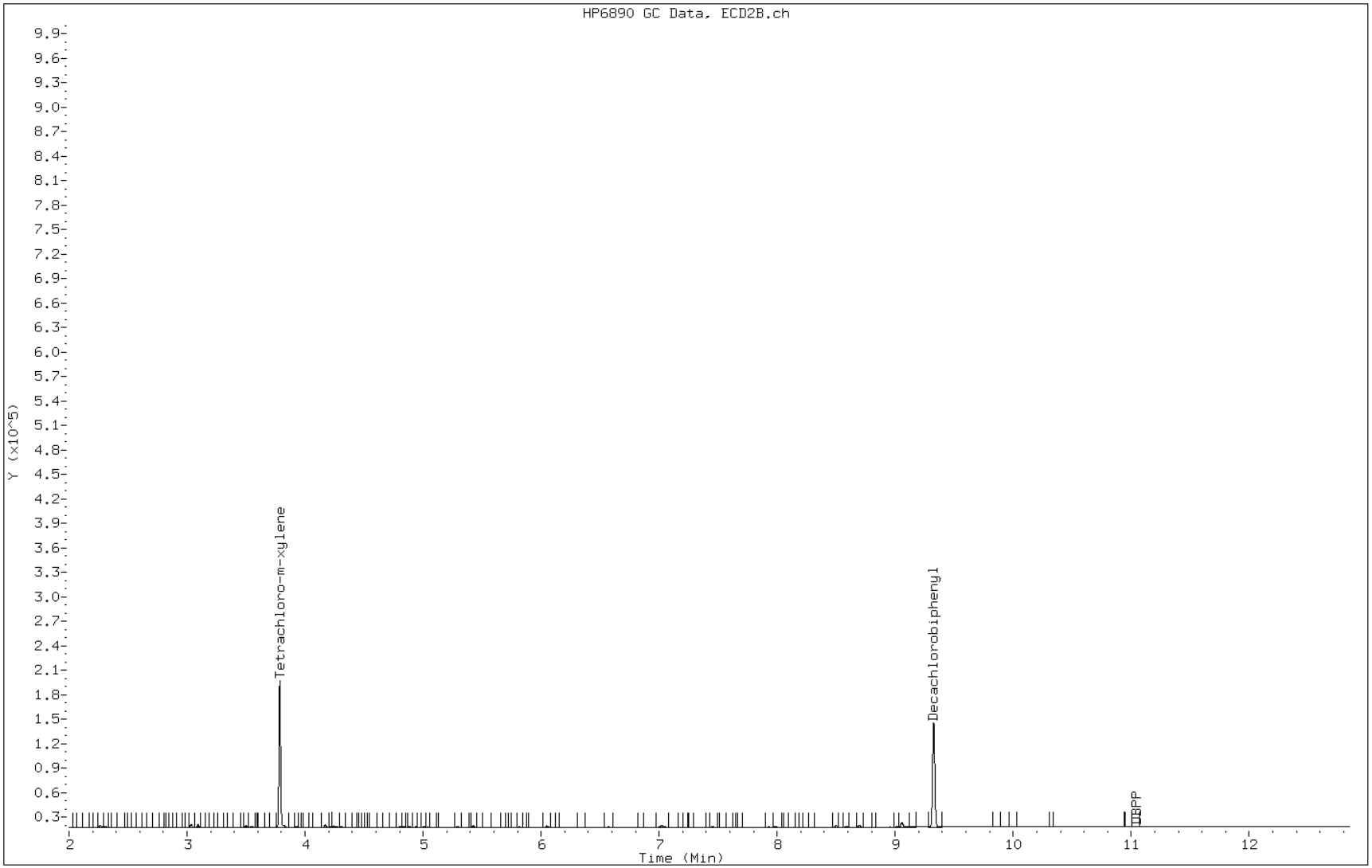
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/L)
	23 2,4'-DDD	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	24 Chlorobenzilate	Compound Not Detected.					
	26 2,4'-DDT	Compound Not Detected.					
	27 Kepone	Compound Not Detected.					
	28 4,4'-DDD	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Endosulfan sulfate	Compound Not Detected.					
	33 Methoxychlor	Compound Not Detected.					
	34 Mirex	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.326	9.328	-0.002	167431	19.3359	0.18639
	37 DBPP	11.043	11.043	0.000	715	374.635	3.6113
M	135 Chlordane NOS	Compound Not Detected.					
M	137 Endosulfan, Total	Compound Not Detected.					
M	136 HCH, technical	Compound Not Detected.					

Data File: 04050053.D

Date: 05-APR-2012 23:15

Client ID: 032712AE Instrument: GC_P1.i

Sample Info: 280-1342460,3-11 Operator: DW



FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 16:20 Calibration End Date: 03/21/2012 17:44 Calibration ID: 8842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/14	03210022.D
Level 2	IC 280-112708/13	03210021.D
Level 3	IC 280-112708/12	03210020.D
Level 4	ICRT 280-112708/11	03210019.D
Level 5	IC 280-112708/10	03210018.D
Level 6	IC 280-112708/9	03210017.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	4.333	4.334	4.333	4.334	4.333	4.333					4.321 - 4.347	4.333
alpha-BHC	4.505	4.506	4.506	4.506	4.505	4.505					4.493 - 4.519	4.505
gamma-BHC (Lindane)	4.798	4.800	4.799	4.799	4.799	4.799					4.786 - 4.812	4.799
beta-BHC	4.877	4.878	4.878	4.879	4.877	4.877					4.866 - 4.892	4.878
delta-BHC	5.027	5.028	5.028	5.029	5.028	5.028					5.016 - 5.042	5.028
Heptachlor	5.206	5.208	5.207	5.208	5.207	5.207					5.195 - 5.221	5.207
Aldrin	5.478	5.480	5.479	5.479	5.479	5.479					5.466 - 5.492	5.479
Isodrin	5.803	5.805	5.804	5.804	5.804	5.803					5.791 - 5.817	5.804
Heptachlor epoxide	6.091	6.092	6.091	6.091	6.090	6.090					6.078 - 6.104	6.091
gamma-Chlordane	6.222	6.224	6.223	6.223	6.222	6.223					6.210 - 6.236	6.223
alpha-Chlordane	6.363	6.364	6.363	6.364	6.362	6.362					6.351 - 6.377	6.363
4,4'-DDE	6.441	6.443	6.442	6.441	6.440	6.440					6.428 - 6.454	6.441
Endosulfan I	6.506	6.507	6.506	6.506	6.505	6.505					6.493 - 6.519	6.506
Dieldrin	6.751	6.753	6.752	6.752	6.751	6.751					6.739 - 6.765	6.752
Endrin	6.986	6.987	6.986	6.986	6.985	6.985					6.973 - 6.999	6.986
4,4'-DDD	7.051	7.051	7.049	7.047	7.046	7.045					7.034 - 7.060	7.048
Endosulfan II	7.209	7.209	7.209	7.208	7.207	7.206					7.195 - 7.221	7.208
4,4'-DDT	7.322	7.323	7.321	7.321	7.321	7.320					7.308 - 7.334	7.322
Endrin aldehyde	7.615	7.617	7.615	7.614	7.614	7.613					7.601 - 7.627	7.614
Methoxychlor	7.782	7.783	7.781	7.779	7.780	7.779					7.766 - 7.792	7.781
Mirex	7.926	7.927	7.926	7.926	7.926	7.925					7.913 - 7.939	7.926
Endosulfan sulfate	8.025	8.026	8.024	8.024	8.025	8.024					8.011 - 8.037	8.024
Endrin ketone	8.285	8.286	8.285	8.284	8.285	8.284					8.271 - 8.297	8.285
Tetrachloro-m-xylene	3.920	3.920	3.919	3.920	3.920	3.919					3.907 - 3.933	3.920
DCB Decachlorobiphenyl	9.215	9.215	9.214	9.213	9.214	9.213					9.200 - 9.226	9.214

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 16:20 Calibration End Date: 03/21/2012 17:44 Calibration ID: 8842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/14	03210022.D
Level 2	IC 280-112708/13	03210021.D
Level 3	IC 280-112708/12	03210020.D
Level 4	ICRT 280-112708/11	03210019.D
Level 5	IC 280-112708/10	03210018.D
Level 6	IC 280-112708/9	03210017.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	11710 10255	11041 9448.8	10959	10258	Lin2	-0.6839051	10127.2867							0.9974		0.9900
alpha-BHC	14310 14755	14597 13650	15282	14638	Ave		14538.6750				3.7		20.0			
gamma-BHC (Lindane)	13159 13186	13253 12166	13718	13097	Ave		13096.3628				3.9		20.0			
beta-BHC	6384.5 5460.2	5913.1 5035.2	5796.0	5456.2	Lin2	-0.8131243	5366.02500							0.9978		0.9900
delta-BHC	13054 13284	13165 12272	13763	13194	Ave		13121.9533				3.7		20.0			
Heptachlor	12716 11992	12549 10988	12773	12069	Lin2	-0.3247281	11922.7406							0.9969		0.9900
Aldrin	12268 12133	12295 11154	12720	12115	Ave		12114.2278				4.3		20.0			
Isodrin	11368 10562	11077 9700.4	11220	10595	Lin2	-0.3975695	10469.9374							0.9972		0.9900
Heptachlor epoxide	12057 10835	11621 9926.0	11688	10934	Lin2	-0.5411768	10777.1289							0.9966		0.9900
gamma-Chlordane	12041 11447	11629 10594	11944	11395	Lin2	-0.2959181	11279.4023							0.9982		0.9900
alpha-Chlordane	11600 10983	11256 10150	11483	10904	Lin2	-0.3226567	10822.7028							0.9980		0.9900
4,4'-DDE	10891 10954	10805 10155	11253	10892	Lin2	-0.0506154	10795.2552							0.9984		0.9900
Endosulfan I	11499 10220	11033 9356.7	11043	10330	Lin2	-0.5937579	10165.1307							0.9965		0.9900
Dieldrin	11666 11092	11517 10204	11754	11146	Lin2	-0.2868893	11018.7338							0.9973		0.9900
Endrin	9171.0 8644.5	8900.9 7997.6	9056.6	8624.6	Lin2	-0.3353373	8535.67764							0.9980		0.9900

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 16:20 Calibration End Date: 03/21/2012 17:44 Calibration ID: 8842

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	13283 11818	11345 12946	10525	10444	Qua	-1.7643902	0.000108892	-2.36073 E-011						0.9995		0.9900
Endosulfan II	10752 9610.9	10299 8848.5	10312	9690.4	Lin2	-0.5676490	9543.73478							0.9971		0.9900
4,4'-DDT	9070.5 8926.1	8802.2 8307.8	8959.9	8805.3	Lin2	-0.1684266	8710.91433							0.9990		0.9900
Endrin aldehyde	9445.8 8119.0	8947.1 7558.6	8891.1	8078.8	Lin2	-0.7513066	8083.94055							0.9966		0.9900
Methoxychlor	5044.5 4255.0	4713.1 3951.3	4525.5	4194.5	Lin2	-0.9018198	4180.74917							0.9976		0.9900
Mirex	8870.0 7047.8	7990.9 6459.3	7526.6	6997.8	Lin2	-1.2346519	6879.32573							0.9973		0.9900
Endosulfan sulfate	10282 8816.6	9556.6 8176.9	9289.7	8689.4	Lin2	-0.8209159	8632.88747							0.9981		0.9900
Endrin ketone	11517 10155	11027 9334.7	10959	10200	Lin2	-0.6403987	10084.8575							0.9967		0.9900
Tetrachloro-m-xylene	11022 9955.0	10526 9160.4	10559	9943.0	Lin2	-0.5383012	9826.33366							0.9975		0.9900
DCB Decachlorobiphenyl	8827.8 7062.7	8086.3 6519.1	7740.5	7137.4	Lin2	-1.1295491	7005.22312							0.9965		0.9900

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 16:20 Calibration End Date: 03/21/2012 17:44 Calibration ID: 8842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/14	03210022.D
Level 2	IC 280-112708/13	03210021.D
Level 3	IC 280-112708/12	03210020.D
Level 4	ICRT 280-112708/11	03210019.D
Level 5	IC 280-112708/10	03210018.D
Level 6	IC 280-112708/9	03210017.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobenzene	Lin2	46841 944877	110410	273978	512894	769145	4.00 100	10.0	25.0	50.0	75.0
alpha-BHC	Ave	57240 1364959	145972	382048	731893	1106661	4.00 100	10.0	25.0	50.0	75.0
gamma-BHC (Lindane)	Ave	52634 1216609	132529	342944	654869	988916	4.00 100	10.0	25.0	50.0	75.0
beta-BHC	Lin2	25538 503516	59131	144899	272810	409513	4.00 100	10.0	25.0	50.0	75.0
delta-BHC	Ave	52214 1227240	131647	344064	659718	996315	4.00 100	10.0	25.0	50.0	75.0
Heptachlor	Lin2	50865 1098822	125493	319313	603426	899372	4.00 100	10.0	25.0	50.0	75.0
Aldrin	Ave	49073 1115447	122952	317992	605725	909995	4.00 100	10.0	25.0	50.0	75.0
Isodrin	Lin2	45473 970038	110765	280490	529765	792175	4.00 100	10.0	25.0	50.0	75.0
Heptachlor epoxide	Lin2	48227 992603	116210	292194	546717	812661	4.00 100	10.0	25.0	50.0	75.0
gamma-Chlordane	Lin2	48163 1059447	116293	298591	569751	858513	4.00 100	10.0	25.0	50.0	75.0
alpha-Chlordane	Lin2	46401 1014969	112557	287075	545180	823735	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDE	Lin2	43565 1015474	108045	281316	544576	821571	4.00 100	10.0	25.0	50.0	75.0
Endosulfan I	Lin2	45996 935665	110331	276079	516505	766495	4.00 100	10.0	25.0	50.0	75.0
Dieldrin	Lin2	46664 1020409	115167	293842	557296	831895	4.00 100	10.0	25.0	50.0	75.0
Endrin	Lin2	36684 799762	89009	226415	431229	648341	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDD	Qua	53133 1294592	113452	263116	522213	886333	4.00 100	10.0	25.0	50.0	75.0

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 16:20 Calibration End Date: 03/21/2012 17:44 Calibration ID: 8842

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endosulfan II	Lin2	43007 884854	102988	257794	484520	720816	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDT	Lin2	36282 830776	88022	223997	440267	669460	4.00 100	10.0	25.0	50.0	75.0
Endrin aldehyde	Lin2	37783 755856	89471	222277	403939	608924	4.00 100	10.0	25.0	50.0	75.0
Methoxychlor	Lin2	20178 395128	47131	113137	209727	319126	4.00 100	10.0	25.0	50.0	75.0
Mirex	Lin2	35480 645925	79909	188164	349891	528583	4.00 100	10.0	25.0	50.0	75.0
Endosulfan sulfate	Lin2	41128 817687	95566	232242	434471	661243	4.00 100	10.0	25.0	50.0	75.0
Endrin ketone	Lin2	46068 933472	110270	273967	510008	761607	4.00 100	10.0	25.0	50.0	75.0
Tetrachloro-m-xylene	Lin2	44088 916035	105256	263975	497150	746626	4.00 100	10.0	25.0	50.0	75.0
DCB Decachlorobiphenyl	Lin2	35311 651911	80863	193512	356868	529701	4.00 100	10.0	25.0	50.0	75.0

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2
Qua = Quadratic

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210017.D
Lab Smp Id: IC-1288810 AB6
Inj Date : 21-MAR-2012 16:20
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1288810 AB6
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 11:34 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 16:20 Cal File: 03210017.D
Als bottle: 11 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.919	3.920	-0.001	916035	100.000	100.00
	3 Hexachlorobenzene	4.332	4.333	-0.001	944877	100.000	100.00(A)
	5 alpha-BHC	4.505	4.506	-0.001	1364959	100.000	96.506
	6 gamma-BHC (Lindane)	4.798	4.799	-0.001	1216609	100.000	96.314
	7 beta-BHC	4.876	4.879	-0.003	503516	100.000	100.00(A)
	8 delta-BHC	5.027	5.029	-0.002	1227240	100.000	96.380
	10 Heptachlor	5.206	5.208	-0.002	1098822	100.000	95.315
	11 Aldrin	5.478	5.479	-0.001	1115447	100.000	95.874
	13 Isodrin	5.802	5.804	-0.002	970038	100.000	100.00
	15 Heptachlor epoxide	6.090	6.091	-0.001	992603	100.000	100.00(A)
	18 gamma-Chlordane	6.222	6.223	-0.001	1059447	100.000	100.00(A)
	19 alpha-Chlordane	6.361	6.364	-0.003	1014969	100.000	100.00(A)
	20 4,4'-DDE	6.440	6.441	-0.001	1015474	100.000	100.00(A)
	21 Endosulfan I	6.505	6.506	-0.001	935665	100.000	100.00(A)
	23 Dieldrin	6.751	6.752	-0.001	1020409	100.000	100.00(A)
	25 Endrin	6.985	6.986	-0.001	799762	100.000	100.00
	27 4,4'-DDD	7.045	7.047	-0.002	1294592	100.000	100.00
	29 Endosulfan II	7.206	7.208	-0.002	884854	100.000	100.00(A)
	30 4,4'-DDT	7.320	7.321	-0.001	830776	100.000	100.00
	31 Endrin aldehyde	7.612	7.614	-0.002	755856	100.000	100.00
	32 Methoxychlor	7.778	7.779	-0.001	395128	100.000	100.00
	33 Mirex	7.925	7.926	-0.001	645925	100.000	100.00
	34 Endosulfan sulfate	8.023	8.023	0.000	817687	100.000	100.00(A)
	35 Endrin ketone	8.283	8.284	-0.001	933472	100.000	100.00
$	36 Decachlorobiphenyl	9.212	9.213	-0.001	651911	100.000	100.00(A)

QC Flag Legend

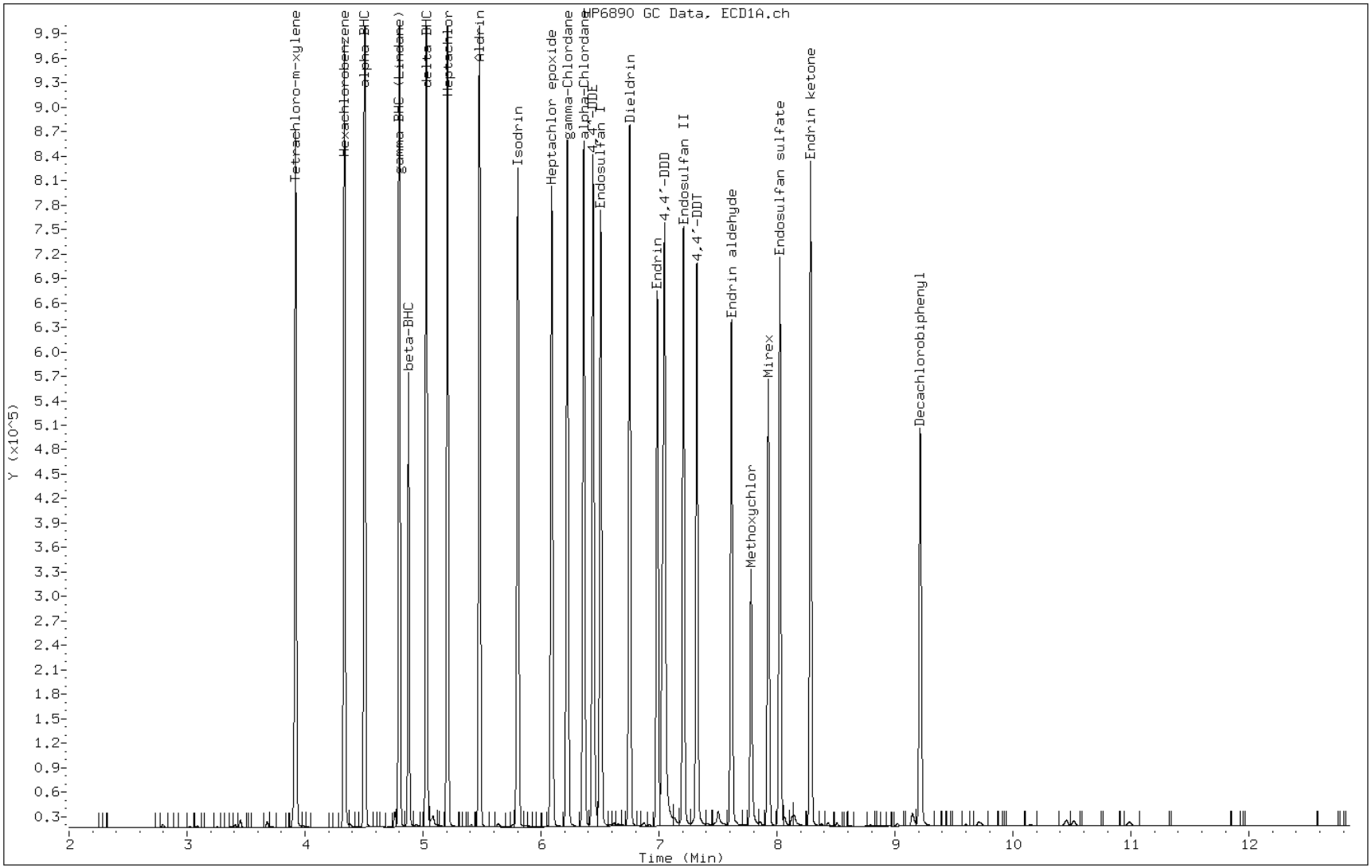
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 03210017.D

Date: 21-MAR-2012 16:20

Client ID: Instrument: GC_P1.i

Sample Info: IC-1288810 AB6 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210018.D
Lab Smp Id: IC-1288855 AB5
Inj Date : 21-MAR-2012 16:37
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1288855 AB5
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 11:34 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 16:37 Cal File: 03210018.D
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

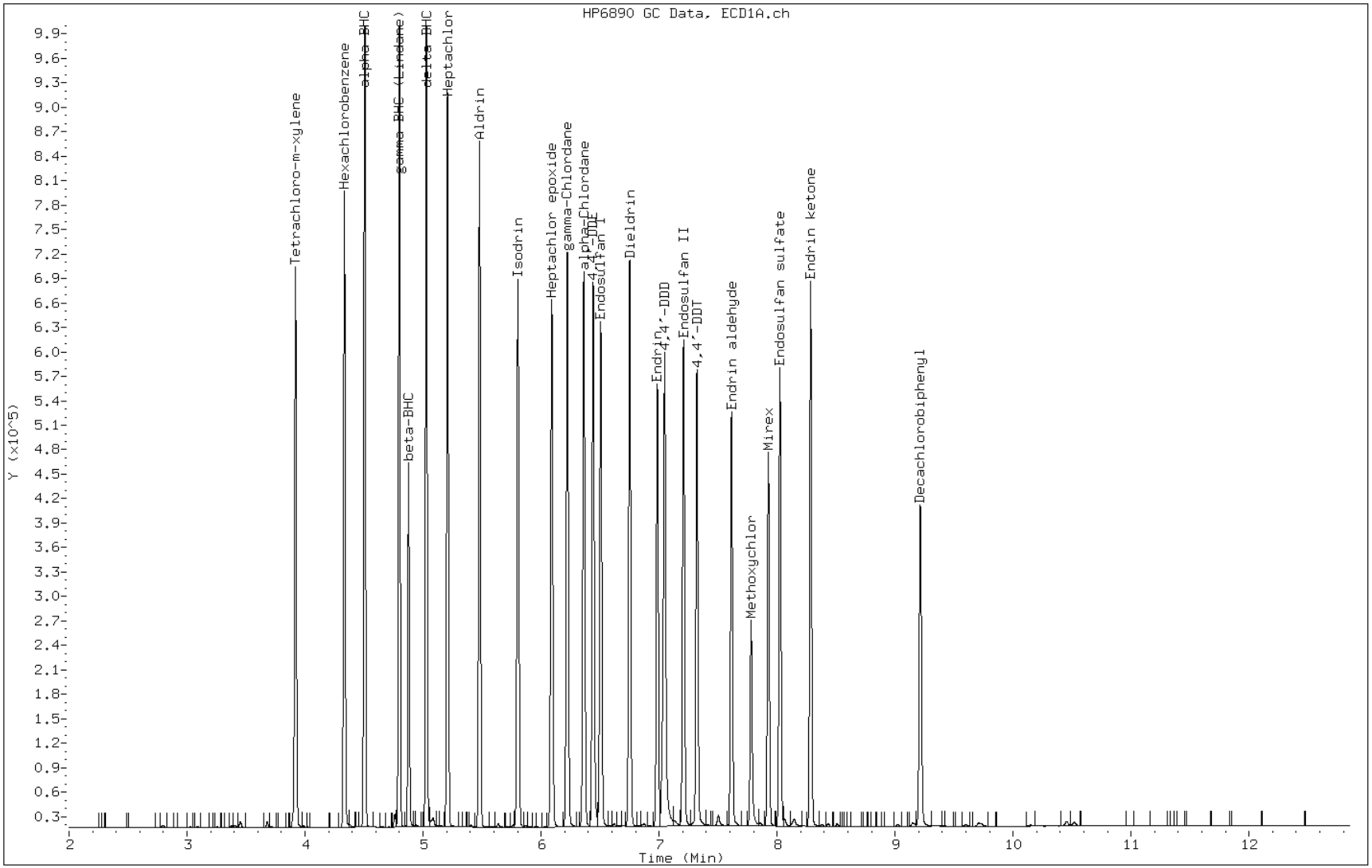
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.919	3.920	-0.001	746626	75.0000	77.806
	3 Hexachlorobenzene	4.332	4.333	-0.001	769145	75.0000	77.742
	5 alpha-BHC	4.505	4.506	-0.001	1106661	75.0000	77.132
	6 gamma-BHC (Lindane)	4.798	4.799	-0.001	988916	75.0000	77.160
	7 beta-BHC	4.877	4.879	-0.002	409513	75.0000	77.725
	8 delta-BHC	5.027	5.029	-0.002	996315	75.0000	77.132
	10 Heptachlor	5.207	5.208	-0.001	899372	75.0000	76.983
	11 Aldrin	5.478	5.479	-0.001	909995	75.0000	77.113
	13 Isodrin	5.803	5.804	-0.001	792175	75.0000	77.817
	15 Heptachlor epoxide	6.090	6.091	-0.001	812661	75.0000	77.828
	18 gamma-Chlordane	6.222	6.223	-0.001	858513	75.0000	77.648
	19 alpha-Chlordane	6.362	6.364	-0.002	823735	75.0000	77.736
	20 4,4'-DDE	6.440	6.441	-0.001	821571	75.0000	77.610
	21 Endosulfan I	6.505	6.506	-0.001	766495	75.0000	77.828
	23 Dieldrin	6.751	6.752	-0.001	831895	75.0000	77.736
	25 Endrin	6.985	6.986	-0.001	648341	75.0000	77.634
	27 4,4'-DDD	7.046	7.047	-0.001	886333	75.0000	74.060
	29 Endosulfan II	7.207	7.208	-0.001	720816	75.0000	77.664
	30 4,4'-DDT	7.321	7.321	0.000	669460	75.0000	77.574
	31 Endrin aldehyde	7.613	7.614	-0.001	608924	75.0000	77.454
	32 Methoxychlor	7.779	7.779	0.000	319126	75.0000	77.659
	33 Mirex	7.926	7.926	0.000	528583	75.0000	78.016
	34 Endosulfan sulfate	8.024	8.023	0.001	661243	75.0000	77.704
	35 Endrin ketone	8.284	8.284	0.000	761607	75.0000	77.768
$	36 Decachlorobiphenyl	9.213	9.213	0.000	529701	75.0000	77.544

Data File: 03210018.D

Date: 21-MAR-2012 16:37

Client ID: Instrument: GC_P1.i

Sample Info: IC-1288855 AB5 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210019.D
Lab Smp Id: ICRT-1288856 AB4
Inj Date : 21-MAR-2012 16:53
Operator : DW Inst ID: GC_P1.i
Smp Info : ICRT-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 11:34 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 20:31 Cal File: 03210032.D
Als bottle: 13 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

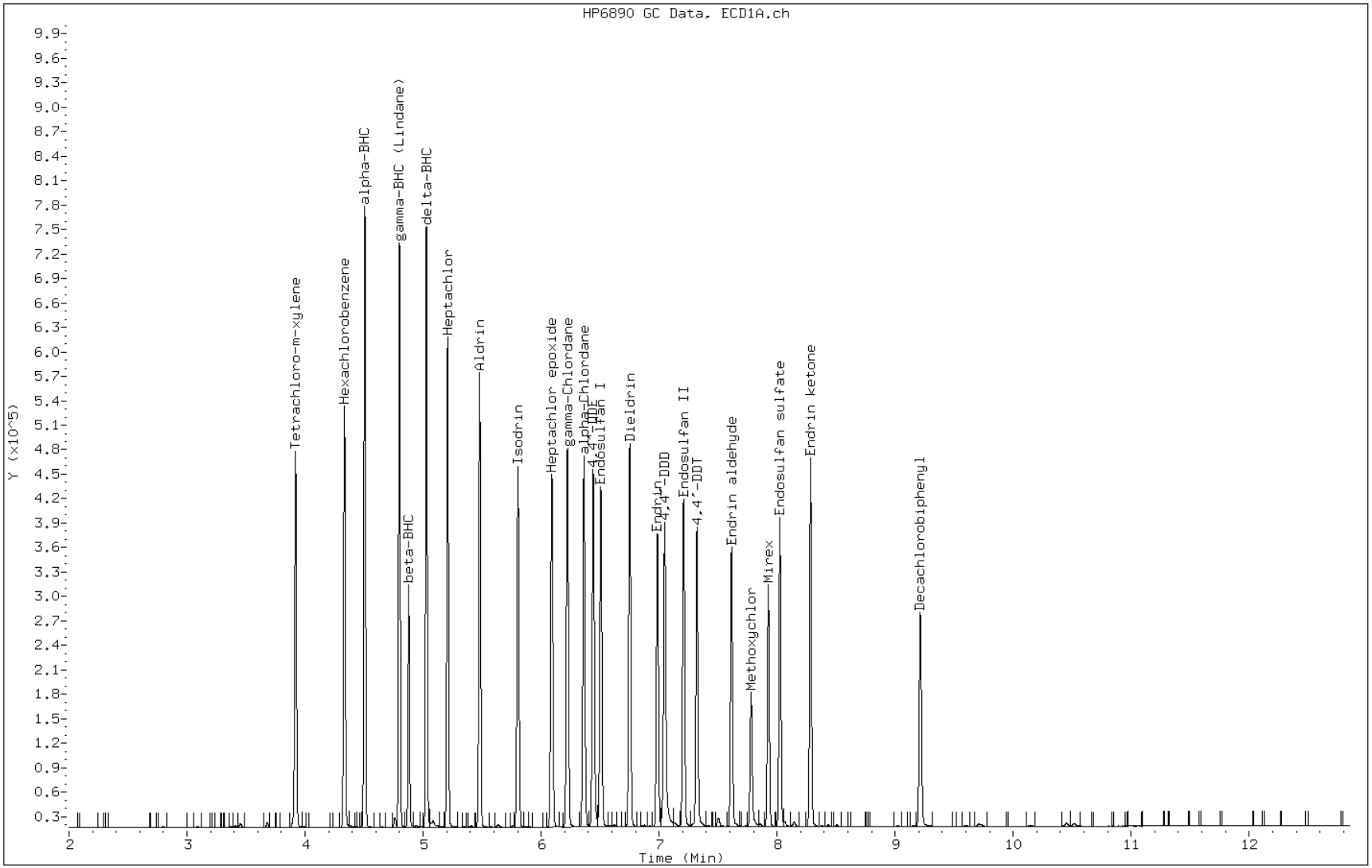
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.920	3.920	0.000	497150	50.0000	49.496
	3 Hexachlorobenzene	4.333	4.333	0.000	512894	50.0000	49.504
	5 alpha-BHC	4.506	4.506	0.000	731893	50.0000	51.011
	6 gamma-BHC (Lindane)	4.799	4.799	0.000	654869	50.0000	51.096
	7 beta-BHC	4.878	4.879	-0.001	272810	50.0000	49.506
	8 delta-BHC	5.028	5.029	-0.001	659718	50.0000	51.074
	10 Heptachlor	5.207	5.208	-0.001	603426	50.0000	51.651
	11 Aldrin	5.479	5.479	0.000	605725	50.0000	51.329
	13 Isodrin	5.804	5.804	0.000	529765	50.0000	49.494
	15 Heptachlor epoxide	6.091	6.091	0.000	546717	50.0000	49.493
	18 gamma-Chlordane	6.222	6.223	-0.001	569751	50.0000	49.517
	19 alpha-Chlordane	6.363	6.364	-0.001	545180	50.0000	49.505
	20 4,4'-DDE	6.441	6.441	0.000	544576	50.0000	49.522
	21 Endosulfan I	6.506	6.506	0.000	516505	50.0000	49.493
	23 Dieldrin	6.751	6.752	-0.001	557296	50.0000	49.505
	25 Endrin	6.986	6.986	0.000	431229	50.0000	49.519
	27 4,4'-DDD	7.046	7.047	-0.001	522213	50.0000	50.221
	29 Endosulfan II	7.207	7.208	-0.001	484520	50.0000	49.515
	30 4,4'-DDT	7.321	7.321	0.000	440267	50.0000	49.527
	31 Endrin aldehyde	7.613	7.614	-0.001	403939	50.0000	49.545
	32 Methoxychlor	7.779	7.779	0.000	209727	50.0000	49.516
	33 Mirex	7.926	7.926	0.000	349891	50.0000	49.468
	34 Endosulfan sulfate	8.023	8.023	0.000	434471	50.0000	49.509
	35 Endrin ketone	8.283	8.284	-0.001	510008	50.0000	49.501
$	36 Decachlorobiphenyl	9.212	9.213	-0.001	356868	50.0000	49.532

Data File: 03210019.D

Date: 21-MAR-2012 16:53

Client ID: Instrument: GC_P1.i

Sample Info: ICRT-1288856 AB4 Operator: DW



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8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210020.D
Lab Smp Id: IC-1288857 AB3
Inj Date : 21-MAR-2012 17:10
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1288857 AB3
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 11:34 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 17:10 Cal File: 03210020.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

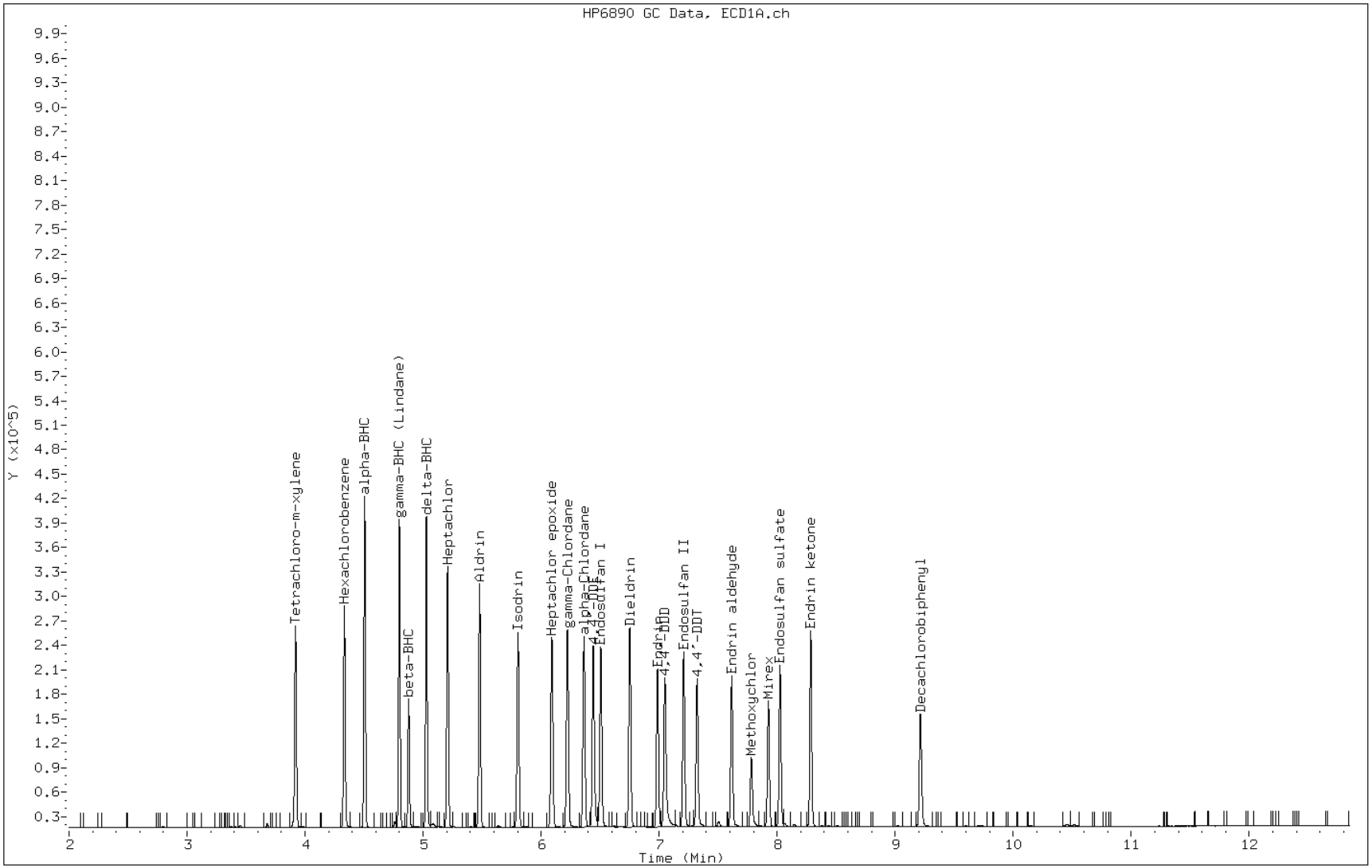
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.918	3.920	-0.002	263975	25.0000	24.870
	3 Hexachlorobenzene	4.333	4.333	0.000	273978	25.0000	24.879
	5 alpha-BHC	4.505	4.506	-0.001	382048	25.0000	26.201
	6 gamma-BHC (Lindane)	4.798	4.799	-0.001	342944	25.0000	26.296
	7 beta-BHC	4.878	4.879	-0.001	144899	25.0000	24.874
	8 delta-BHC	5.028	5.029	-0.001	344064	25.0000	26.208
	10 Heptachlor	5.207	5.208	-0.001	319313	25.0000	26.709
	11 Aldrin	5.478	5.479	-0.001	317992	25.0000	26.432
	13 Isodrin	5.803	5.804	-0.001	280490	25.0000	24.843
	15 Heptachlor epoxide	6.091	6.091	0.000	292194	25.0000	24.831
	18 gamma-Chlordane	6.223	6.223	0.000	298591	25.0000	24.874
	19 alpha-Chlordane	6.363	6.364	-0.001	287075	25.0000	24.890
	20 4,4'-DDE	6.442	6.441	0.001	281316	25.0000	24.858
	21 Endosulfan I	6.506	6.506	0.000	276079	25.0000	24.823
	23 Dieldrin	6.752	6.752	0.000	293842	25.0000	24.834
	25 Endrin	6.986	6.986	0.000	226415	25.0000	24.868
	27 4,4'-DDD	7.048	7.047	0.001	263116	25.0000	25.832
	29 Endosulfan II	7.208	7.208	0.000	257794	25.0000	24.838
	30 4,4'-DDT	7.321	7.321	0.000	223997	25.0000	24.872
	31 Endrin aldehyde	7.614	7.614	0.000	222277	25.0000	24.987
	32 Methoxychlor	7.781	7.779	0.002	113137	25.0000	24.976
	33 Mirex	7.926	7.926	0.000	188164	25.0000	24.908
	34 Endosulfan sulfate	8.023	8.023	0.000	232242	25.0000	24.956
	35 Endrin ketone	8.284	8.284	0.000	273967	25.0000	24.867
$	36 Decachlorobiphenyl	9.213	9.213	0.000	193512	25.0000	24.871

Data File: 03210020.D

Date: 21-MAR-2012 17:10

Client ID: Instrument: GC_P1.i

Sample Info: IC-1288857 AB3 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210021.D
Lab Smp Id: IC-1288858 AB2
Inj Date : 21-MAR-2012 17:27
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1288858 AB2
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 11:34 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 17:27 Cal File: 03210021.D
Als bottle: 15 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

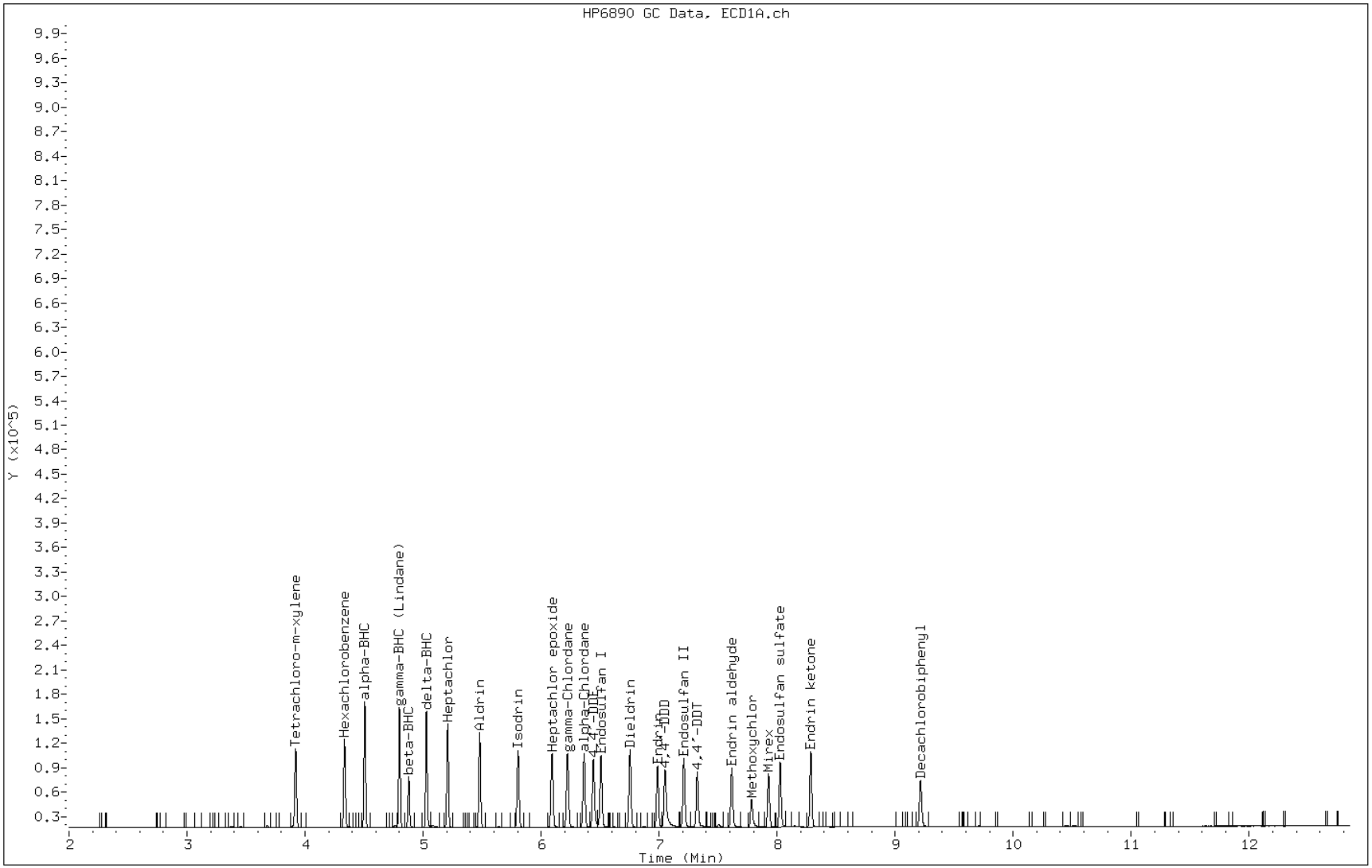
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.919	3.920	-0.001	105256	10.0000	9.8273
	3 Hexachlorobenzene	4.334	4.333	0.001	110410	10.0000	9.8241
	5 alpha-BHC	4.505	4.506	-0.001	145972	10.0000	10.009
	6 gamma-BHC (Lindane)	4.799	4.799	0.000	132529	10.0000	10.129
	7 beta-BHC	4.878	4.879	-0.001	59131	10.0000	9.8448
	8 delta-BHC	5.028	5.029	-0.001	131647	10.0000	10.022
	10 Heptachlor	5.208	5.208	0.000	125493	10.0000	10.394
	11 Aldrin	5.479	5.479	0.000	122952	10.0000	10.175
	13 Isodrin	5.804	5.804	0.000	110765	10.0000	9.8166
	15 Heptachlor epoxide	6.092	6.091	0.001	116210	10.0000	9.7954
	18 gamma-Chlordane	6.224	6.223	0.001	116293	10.0000	9.8415
	19 alpha-Chlordane	6.364	6.364	0.000	112557	10.0000	9.8418
	20 4,4'-DDE	6.443	6.441	0.002	108045	10.0000	9.8579
	21 Endosulfan I	6.507	6.506	0.001	110331	10.0000	9.7956
	23 Dieldrin	6.753	6.752	0.001	115167	10.0000	9.8165
	25 Endrin	6.987	6.986	0.001	89009	10.0000	9.8412
	27 4,4'-DDD	7.050	7.047	0.003	113452	10.0000	10.402
	29 Endosulfan II	7.209	7.208	0.001	102988	10.0000	9.8108
	30 4,4'-DDT	7.323	7.321	0.002	88022	10.0000	9.9145
	31 Endrin aldehyde	7.616	7.614	0.002	89471	10.0000	9.7929
	32 Methoxychlor	7.783	7.779	0.004	47131	10.0000	9.8641
	33 Mirex	7.927	7.926	0.001	79909	10.0000	9.8616
	34 Endosulfan sulfate	8.025	8.023	0.002	95566	10.0000	9.8684
	35 Endrin ketone	8.285	8.284	0.001	110270	10.0000	9.8057
$	36 Decachlorobiphenyl	9.214	9.213	0.001	80863	10.0000	9.8122

Data File: 03210021.D

Date: 21-MAR-2012 17:27

Client ID: Instrument: GC_P1.i

Sample Info: IC-1288858 AB2 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210022.D
Lab Smp Id: IC-1288859 AB1
Inj Date : 21-MAR-2012 17:44
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1288859 AB1
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 11:34 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 17:44 Cal File: 03210022.D
Als bottle: 16 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

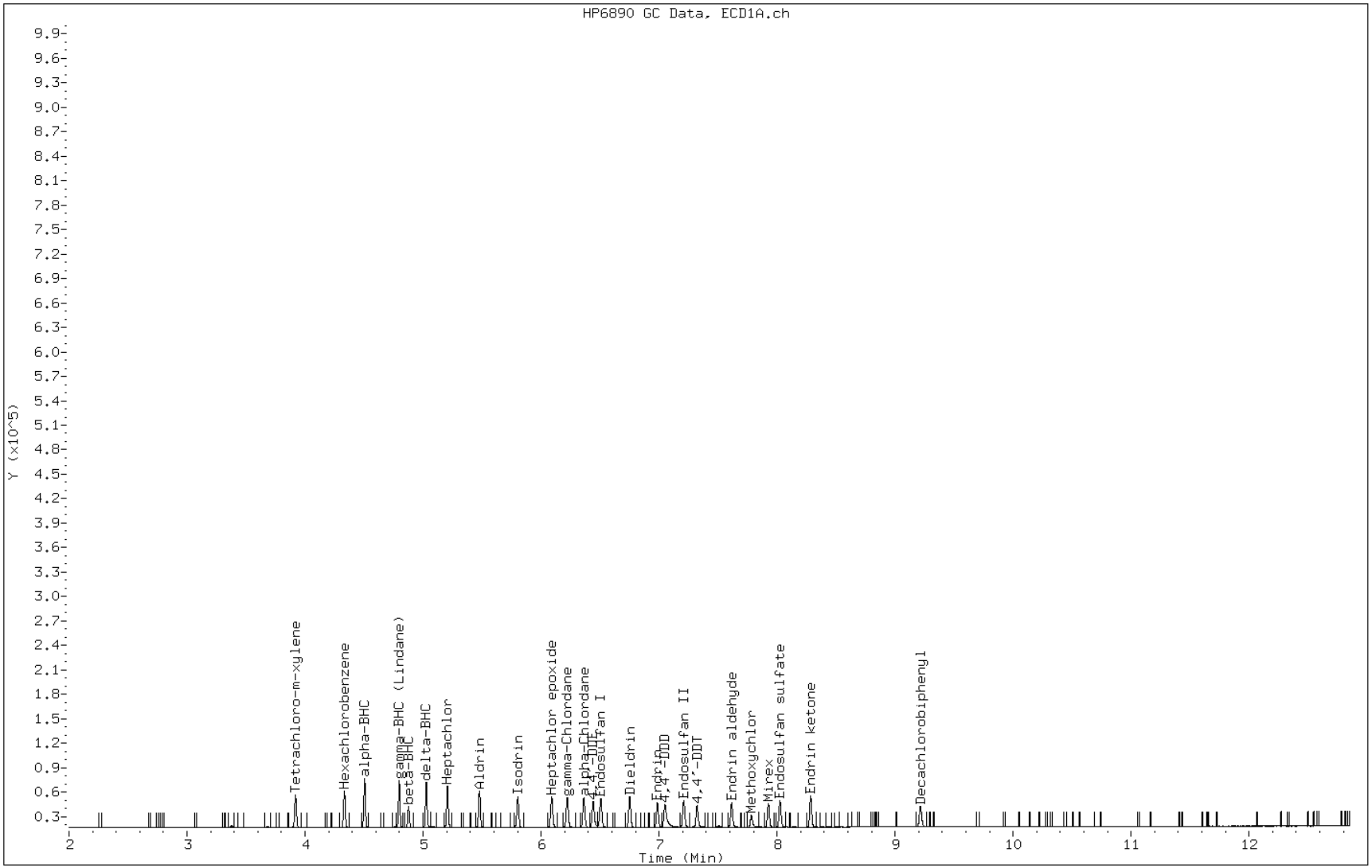
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$	2 Tetrachloro-m-xylene	3.919	3.920	-0.001	44088	4.00000	3.9484
	3 Hexachlorobenzene	4.333	4.333	0.000	46841	4.00000	3.9413
	5 alpha-BHC	4.504	4.506	-0.002	57240	4.00000	3.9371
	6 gamma-BHC (Lindane)	4.798	4.799	-0.001	52634	4.00000	4.0190
	7 beta-BHC	4.877	4.879	-0.002	25538	4.00000	3.9461
	8 delta-BHC	5.027	5.029	-0.002	52214	4.00000	3.9791
	10 Heptachlor	5.206	5.208	-0.002	50865	4.00000	4.1757
	11 Aldrin	5.478	5.479	-0.001	49073	4.00000	4.0508
	13 Isodrin	5.803	5.804	-0.001	45473	4.00000	3.9456
	15 Heptachlor epoxide	6.090	6.091	-0.001	48227	4.00000	3.9338
	18 gamma-Chlordane	6.222	6.223	-0.001	48163	4.00000	3.9741
	19 alpha-Chlordane	6.363	6.364	-0.001	46401	4.00000	3.9647
	20 4,4'-DDE	6.441	6.441	0.000	43565	4.00000	3.9850
	21 Endosulfan I	6.506	6.506	0.000	45996	4.00000	3.9311
	23 Dieldrin	6.751	6.752	-0.001	46664	4.00000	3.9481
	25 Endrin	6.985	6.986	-0.001	36684	4.00000	3.9624
	27 4,4'-DDD	7.050	7.047	0.003	53133	4.00000	4.1504
	29 Endosulfan II	7.208	7.208	0.000	43007	4.00000	3.9386
	30 4,4'-DDT	7.322	7.321	0.001	36282	4.00000	3.9967
	31 Endrin aldehyde	7.614	7.614	0.000	37783	4.00000	3.9225
	32 Methoxychlor	7.782	7.779	0.003	20178	4.00000	3.9246
	33 Mirex	7.926	7.926	0.000	35480	4.00000	3.9228
	34 Endosulfan sulfate	8.024	8.023	0.001	41128	4.00000	3.9432
	35 Endrin ketone	8.284	8.284	0.000	46068	4.00000	3.9276
$	36 Decachlorobiphenyl	9.214	9.213	0.001	35311	4.00000	3.9111

Data File: 03210022.D

Date: 21-MAR-2012 17:44

Client ID: Instrument: GC_P1.i

Sample Info: IC-1288859 AB1 Operator: DW



FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 16:20 Calibration End Date: 03/21/2012 17:44 Calibration ID: 8846

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/14	03210022.D
Level 2	IC 280-112708/13	03210021.D
Level 3	IC 280-112708/12	03210020.D
Level 4	ICRT 280-112708/11	03210019.D
Level 5	IC 280-112708/10	03210018.D
Level 6	IC 280-112708/9	03210017.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	4.270	4.270	4.270	4.271	4.270	4.270					4.258 - 4.284	4.270
alpha-BHC	4.414	4.414	4.414	4.415	4.415	4.414					4.402 - 4.428	4.414
gamma-BHC (Lindane)	4.730	4.730	4.731	4.731	4.731	4.730					4.718 - 4.744	4.731
beta-BHC	4.806	4.806	4.807	4.806	4.806	4.805					4.793 - 4.819	4.806
delta-BHC	5.041	5.041	5.041	5.041	5.041	5.040					5.028 - 5.054	5.041
Heptachlor	5.086	5.086	5.086	5.086	5.086	5.085					5.073 - 5.099	5.086
Aldrin	5.354	5.355	5.355	5.356	5.355	5.355					5.343 - 5.369	5.355
Isodrin	5.714	5.714	5.715	5.715	5.714	5.714					5.702 - 5.728	5.714
Heptachlor epoxide	5.892	5.893	5.893	5.894	5.893	5.892					5.881 - 5.907	5.893
gamma-Chlordane	6.092	6.092	6.092	6.091	6.091	6.090					6.078 - 6.104	6.091
alpha-Chlordane	6.245	6.245	6.246	6.246	6.245	6.245					6.233 - 6.259	6.245
Endosulfan I	6.302	6.302	6.302	6.302	6.301	6.301					6.289 - 6.315	6.302
4,4'-DDE	6.425	6.425	6.425	6.425	6.423	6.424					6.412 - 6.438	6.424
Dieldrin	6.582	6.583	6.582	6.583	6.582	6.582					6.570 - 6.596	6.582
Endrin	6.887	6.886	6.887	6.887	6.886	6.886					6.874 - 6.900	6.886
4,4'-DDD	7.007	7.007	7.006	7.005	7.004	7.003					6.992 - 7.018	7.005
Endosulfan II	7.097	7.097	7.096	7.095	7.095	7.095					7.082 - 7.108	7.096
4,4'-DDT	7.311	7.311	7.310	7.310	7.309	7.309					7.297 - 7.323	7.310
Endrin aldehyde	7.423	7.423	7.423	7.423	7.422	7.422					7.410 - 7.436	7.423
Endosulfan sulfate	7.686	7.686	7.685	7.685	7.685	7.685					7.672 - 7.698	7.685
Methoxychlor	7.960	7.960	7.958	7.959	7.958	7.958					7.946 - 7.972	7.959
Mirex	8.138	8.138	8.138	8.138	8.138	8.139					8.125 - 8.151	8.138
Endrin ketone	8.175	8.176	8.175	8.175	8.175	8.175					8.162 - 8.188	8.175
Tetrachloro-m-xylene	3.790	3.789	3.789	3.790	3.790	3.790					3.777 - 3.803	3.790
DCB Decachlorobiphenyl	9.330	9.331	9.331	9.330	9.330	9.330					9.317 - 9.343	9.330

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 16:20 Calibration End Date: 03/21/2012 17:44 Calibration ID: 8846

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/14	03210022.D
Level 2	IC 280-112708/13	03210021.D
Level 3	IC 280-112708/12	03210020.D
Level 4	ICRT 280-112708/11	03210019.D
Level 5	IC 280-112708/10	03210018.D
Level 6	IC 280-112708/9	03210017.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	12574 11161	12016 10334	11943	11126	Lin2	-0.6152255	11051.3373							0.9974		0.9900
alpha-BHC	15200 15851	15688 14751	16482	15671	Ave		15607.2289				3.8		20.0			
gamma-BHC (Lindane)	13793 14045	14095 13050	14646	13903	Lin2	0.00074908 3	13938.8183							0.9980		0.9900
beta-BHC	6611.3 5819.6	6259.3 5389.3	6098.2	5795.8	Lin2	-0.6803822	5720.79934							0.9981		0.9900
delta-BHC	13727 14191	14094 13190	14755	14050	Lin2	0.06604678	14084.0365							0.9981		0.9900
Heptachlor	12887 12075	12835 11109	12983	12138	Lin2	-0.3482920	12058.4203							0.9966		0.9900
Aldrin	13258 13364	13507 12382	14092	13341	Ave		13324.0633				4.1		20.0			
Isodrin	12217 11591	11963 10716	12270	11595	Lin2	-0.2941425	11497.1461							0.9976		0.9900
Heptachlor epoxide	12360 11750	12274 10808	12617	11778	Lin2	-0.2798287	11716.4132							0.9967		0.9900
gamma-Chlordane	13014 12847	12896 11925	13373	12751	Ave		12800.8267				3.8		20.0			
alpha-Chlordane	12822 12403	12637 11508	12999	12347	Ave		12452.6122				4.2		20.0			
Endosulfan I	12223 11226	11897 10327	12115	11324	Lin2	-0.4288022	11193.6689							0.9967		0.9900
4,4'-DDE	12247 12420	12338 11546	12901	12336	Ave		12298.0478				3.5		20.0			
Dieldrin	12851 12361	12729 11393	13152	12404	Ave		12481.6761				4.9		20.0			
Endrin	10294 9336.1	9826.1 8619.5	9853.4	9313.7	Lin2	-0.5193747	9206.82901							0.9978		0.9900

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 16:20 Calibration End Date: 03/21/2012 17:44 Calibration ID: 8846

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	10419 11574	10027 12930	10234	10116	Qua	-0.7109241	0.000110074	-2.50399 E-011						0.9995		0.9900
Endosulfan II	12101 10781	11675 9918.7	11740	10896	Lin2	-0.5686732	10766.0464							0.9963		0.9900
4,4'-DDT	8716.3 8976.8	8698.6 8400.7	9063.4	8764.7	Lin2	0.03173639	8795.35742							0.9990		0.9900
Endrin aldehyde	10322 9148.7	9926.3 8413.9	9927.2	9276.5	Lin2	-0.5944081	9129.14958							0.9965		0.9900
Endosulfan sulfate	10902 10080	10613 9310.2	10749	10104	Lin2	-0.4118519	10011.0640							0.9973		0.9900
Methoxychlor	4911.5 4261.0	4587.0 3799.9	4514.2	4229.9	Lin2	-0.7915402	4155.24533							0.9963		0.9900
Mirex	9451.8 7865.1	8792.6 7277.8	8489.9	7918.6	Lin2	-0.9325729	7787.81991							0.9971		0.9900
Endrin ketone	12402 11042	12015 10149	11994	11112	Lin2	-0.5841946	11011.2297							0.9963		0.9900
Tetrachloro-m-xylene	11645 10840	11367 10019	11517	10810	Lin2	-0.3889844	10746.9951							0.9975		0.9900
DCB Decachlorobiphenyl	10210 8353.4	9382.5 7703.5	8896.0	8396.3	Lin2	-1.0473929	8214.13785							0.9975		0.9900

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 16:20 Calibration End Date: 03/21/2012 17:44 Calibration ID: 8846

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/14	03210022.D
Level 2	IC 280-112708/13	03210021.D
Level 3	IC 280-112708/12	03210020.D
Level 4	ICRT 280-112708/11	03210019.D
Level 5	IC 280-112708/10	03210018.D
Level 6	IC 280-112708/9	03210017.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobenzene	Lin2	50294 1033421	120157	298570	556293	837087	4.00 100	10.0	25.0	50.0	75.0
alpha-BHC	Ave	60801 1475069	156882	412053	783551	1188832	4.00 100	10.0	25.0	50.0	75.0
gamma-BHC (Lindane)	Lin2	55172 1305005	140947	366138	695150	1053408	4.00 100	10.0	25.0	50.0	75.0
beta-BHC	Lin2	26445 538934	62593	152454	289791	436467	4.00 100	10.0	25.0	50.0	75.0
delta-BHC	Lin2	54909 1318982	140940	368872	702523	1064299	4.00 100	10.0	25.0	50.0	75.0
Heptachlor	Lin2	51547 1110920	128352	324574	606884	905622	4.00 100	10.0	25.0	50.0	75.0
Aldrin	Ave	53030 1238216	135073	352310	667071	1002270	4.00 100	10.0	25.0	50.0	75.0
Isodrin	Lin2	48868 1071632	119633	306749	579730	869324	4.00 100	10.0	25.0	50.0	75.0
Heptachlor epoxide	Lin2	49438 1080804	122744	315418	588878	881227	4.00 100	10.0	25.0	50.0	75.0
gamma-Chlordane	Ave	52054 1192492	128960	334314	637551	963522	4.00 100	10.0	25.0	50.0	75.0
alpha-Chlordane	Ave	51286 1150818	126370	324973	617341	930244	4.00 100	10.0	25.0	50.0	75.0
Endosulfan I	Lin2	48892 1032690	118973	302877	566197	841964	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDE	Ave	48987 1154575	123377	322537	616821	931514	4.00 100	10.0	25.0	50.0	75.0
Dieldrin	Ave	51404 1139313	127286	328796	620215	927089	4.00 100	10.0	25.0	50.0	75.0
Endrin	Lin2	41176 861950	98261	246336	465685	700207	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDD	Qua	41674 1292968	100266	255854	505796	868045	4.00 100	10.0	25.0	50.0	75.0

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 16:20 Calibration End Date: 03/21/2012 17:44 Calibration ID: 8846

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endosulfan II	Lin2	48403 991870	116747	293494	544790	808608	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDT	Lin2	34865 840066	86986	226585	438233	673258	4.00 100	10.0	25.0	50.0	75.0
Endrin aldehyde	Lin2	41286 841390	99263	248179	463823	686151	4.00 100	10.0	25.0	50.0	75.0
Endosulfan sulfate	Lin2	43609 931016	106131	268735	505220	756023	4.00 100	10.0	25.0	50.0	75.0
Methoxychlor	Lin2	19646 379991	45870	112856	211493	319572	4.00 100	10.0	25.0	50.0	75.0
Mirex	Lin2	37807 727779	87926	212247	395931	589884	4.00 100	10.0	25.0	50.0	75.0
Endrin ketone	Lin2	49606 1014850	120148	299839	555623	828137	4.00 100	10.0	25.0	50.0	75.0
Tetrachloro-m-xylene	Lin2	46581 1001933	113672	287920	540511	812987	4.00 100	10.0	25.0	50.0	75.0
DCB Decachlorobiphenyl	Lin2	40838 770348	93825	222401	419813	626504	4.00 100	10.0	25.0	50.0	75.0

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2
Qua = Quadratic

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210017.D
Lab Smp Id: IC-1288810 AB6
Inj Date : 21-MAR-2012 16:20
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1288810 AB6
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:08 pavlakoa Quant Type: ESTD
Cal Date : 21-MAR-2012 16:20 Cal File: 03210017.D
Als bottle: 11 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(ng/ml)	(ng/ml)
$ 2 Tetrachloro-m-xylene	3.789	3.790	-0.001	1001933		100.000	100.00(A)
4 Hexachlorobenzene	4.269	4.271	-0.002	1033421		100.000	100.00(A)
5 alpha-BHC	4.413	4.415	-0.002	1475069		100.000	96.975
6 gamma-BHC (Lindane)	4.730	4.731	-0.001	1305005		100.000	100.00(A)
7 beta-BHC	4.805	4.806	-0.001	538934		100.000	100.00
9 delta-BHC	5.040	5.041	-0.001	1318982		100.000	100.00(A)
10 Heptachlor	5.085	5.086	-0.001	1110920		100.000	95.576
11 Aldrin	5.354	5.356	-0.002	1238216		100.000	96.271
15 Isodrin	5.713	5.715	-0.002	1071632		100.000	100.00
16 Heptachlor epoxide	5.892	5.894	-0.002	1080804		100.000	95.707
17 gamma-Chlordane	6.090	6.091	-0.001	1192492		100.000	96.652
19 alpha-Chlordane	6.244	6.246	-0.002	1150818		100.000	96.484
20 Endosulfan I	6.301	6.302	-0.001	1032690		100.000	100.00
21 4,4'-DDE	6.423	6.425	-0.002	1154575		100.000	96.689
22 Dieldrin	6.582	6.583	-0.001	1139313		100.000	95.751
25 Endrin	6.886	6.887	-0.001	861950		100.000	100.00
28 4,4'-DDD	7.002	7.005	-0.003	1292968		100.000	100.00
29 Endosulfan II	7.095	7.095	0.000	991870		100.000	95.306
30 4,4'-DDT	7.308	7.310	-0.002	840066		100.000	100.00(A)
31 Endrin aldehyde	7.422	7.423	-0.001	841390		100.000	95.124
32 Endosulfan sulfate	7.684	7.685	-0.001	931016		100.000	100.00(A)
33 Methoxychlor	7.957	7.959	-0.002	379991		100.000	100.00
34 Mirex	8.138	8.138	0.000	727779		100.000	100.00
35 Endrin ketone	8.174	8.175	-0.001	1014850		100.000	95.466
$ 36 Decachlorobiphenyl	9.329	9.330	-0.001	770348		100.000	100.00(A)

QC Flag Legend

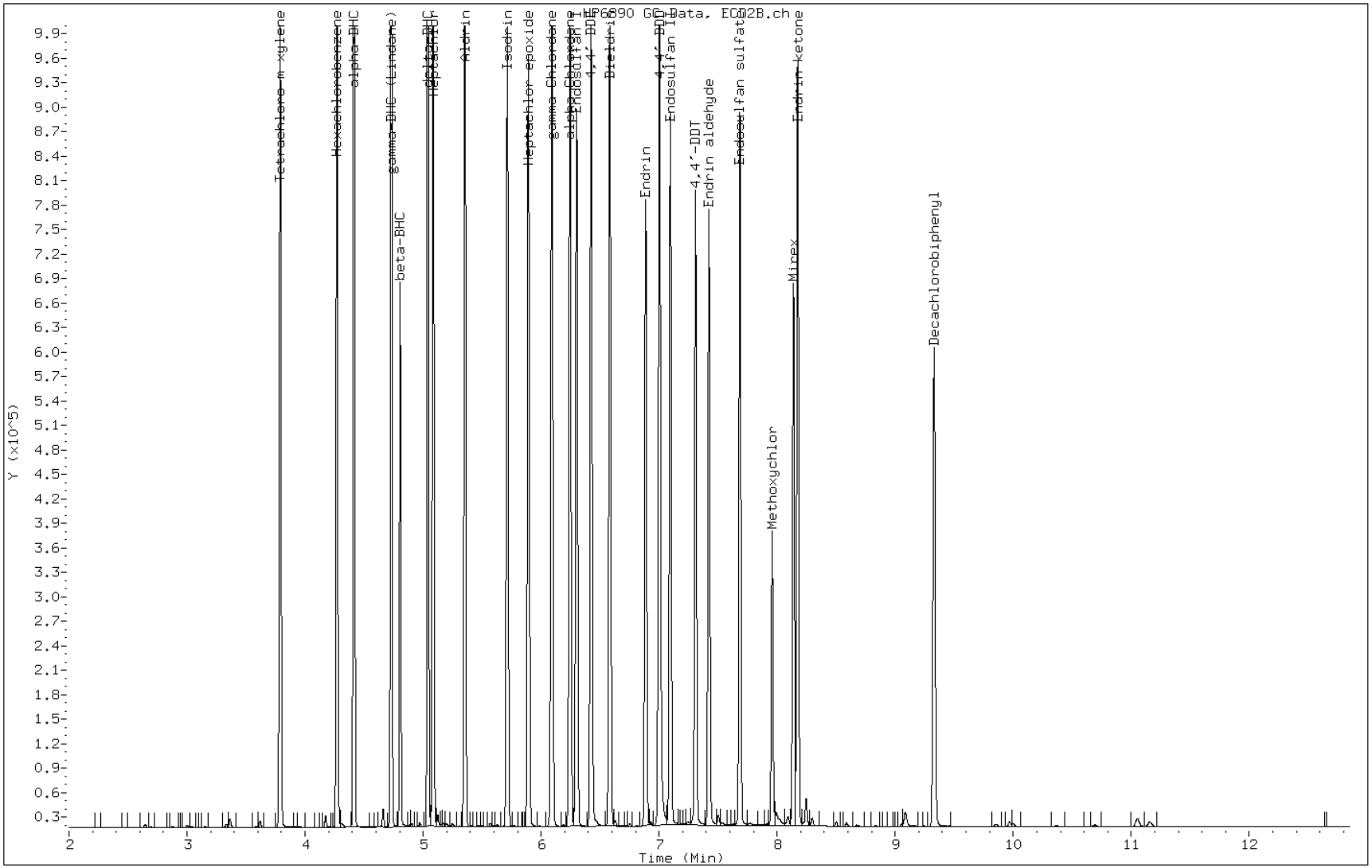
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 03210017.D

Date: 21-MAR-2012 16:20

Client ID: Instrument: GC_P1.i

Sample Info: IC-1288810 AB6 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210018.D
Lab Smp Id: IC-1288855 AB5
Inj Date : 21-MAR-2012 16:37
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1288855 AB5
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:08 pavlakoa Quant Type: ESTD
Cal Date : 21-MAR-2012 16:37 Cal File: 03210018.D
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

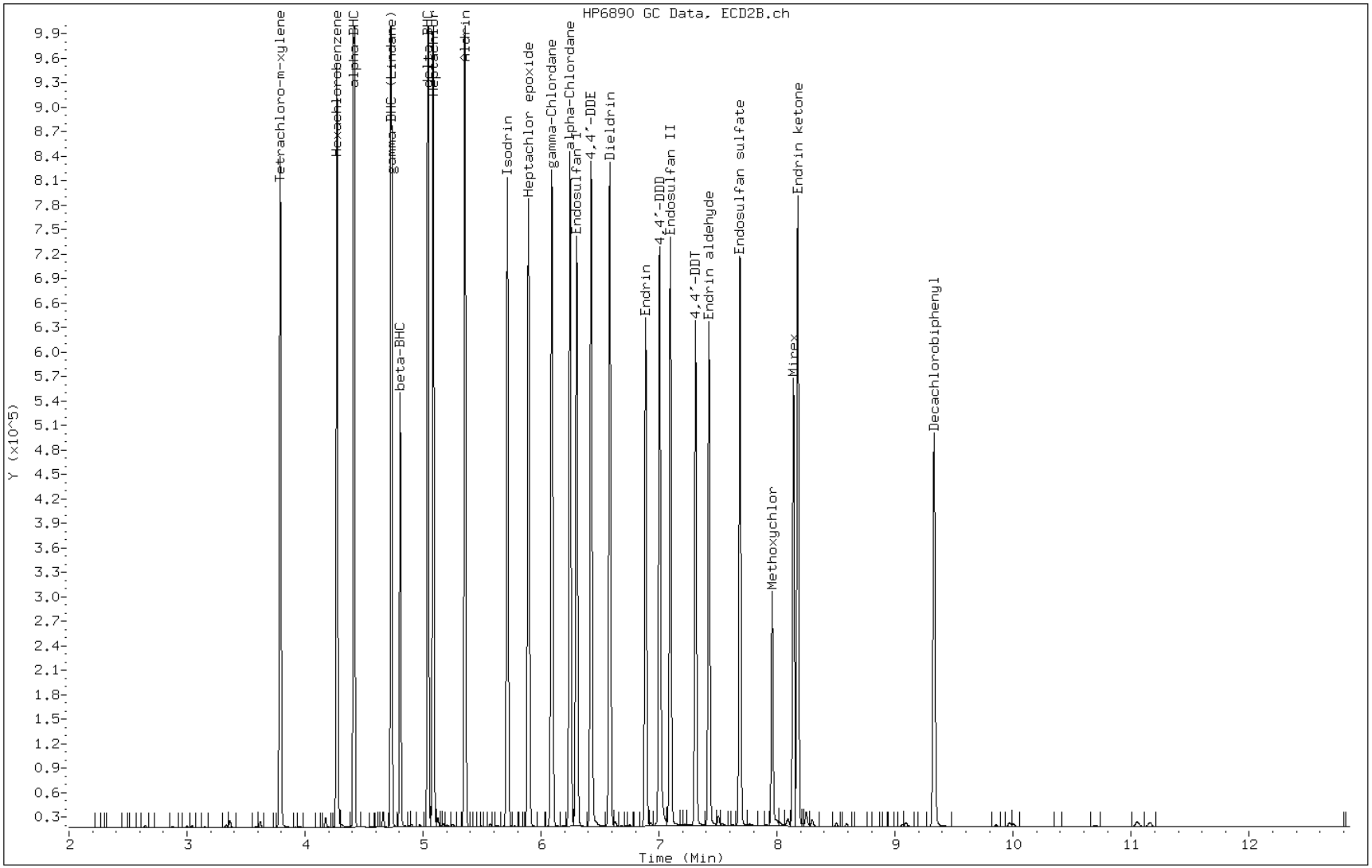
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.789	3.790	-0.001	812987	75.0000	77.671
	4 Hexachlorobenzene	4.269	4.271	-0.002	837087	75.0000	77.617
	5 alpha-BHC	4.414	4.415	-0.001	1188832	75.0000	77.075
	6 gamma-BHC (Lindane)	4.730	4.731	-0.001	1053408	75.0000	77.588
	7 beta-BHC	4.806	4.806	0.000	436467	75.0000	77.623
	9 delta-BHC	5.041	5.041	0.000	1064299	75.0000	77.573
	10 Heptachlor	5.086	5.086	0.000	905622	75.0000	76.917
	11 Aldrin	5.354	5.356	-0.002	1002270	75.0000	76.926
	15 Isodrin	5.713	5.715	-0.002	869324	75.0000	77.817
	16 Heptachlor epoxide	5.893	5.894	-0.001	881227	75.0000	76.996
	17 gamma-Chlordane	6.090	6.091	-0.001	963522	75.0000	77.035
	19 alpha-Chlordane	6.244	6.246	-0.002	930244	75.0000	76.968
	20 Endosulfan I	6.301	6.302	-0.001	841964	75.0000	77.688
	21 4,4'-DDE	6.423	6.425	-0.002	931514	75.0000	76.980
	22 Dieldrin	6.582	6.583	-0.001	927089	75.0000	76.918
	25 Endrin	6.885	6.887	-0.002	700207	75.0000	75.000
	28 4,4'-DDD	7.003	7.005	-0.002	868045	75.0000	73.678
	29 Endosulfan II	7.094	7.095	-0.001	808608	75.0000	76.776
	30 4,4'-DDT	7.308	7.310	-0.002	673258	75.0000	77.519
	31 Endrin aldehyde	7.422	7.423	-0.001	686151	75.0000	76.696
	32 Endosulfan sulfate	7.684	7.685	-0.001	756023	75.0000	77.631
	33 Methoxychlor	7.958	7.959	-0.001	319572	75.0000	78.954
	34 Mirex	8.138	8.138	0.000	589884	75.0000	77.508
	35 Endrin ketone	8.174	8.175	-0.001	828137	75.0000	76.910
$	36 Decachlorobiphenyl	9.329	9.330	-0.001	626504	75.0000	77.648

Data File: 03210018.D

Date: 21-MAR-2012 16:37

Client ID: Instrument: GC_P1.i

Sample Info: IC-1288855 AB5 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210019.D
Lab Smp Id: ICRT-1288856 AB4
Inj Date : 21-MAR-2012 16:53
Operator : DW Inst ID: GC_P1.i
Smp Info : ICRT-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:08 pavlakoa Quant Type: ESTD
Cal Date : 21-MAR-2012 20:31 Cal File: 03210032.D
Als bottle: 13 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

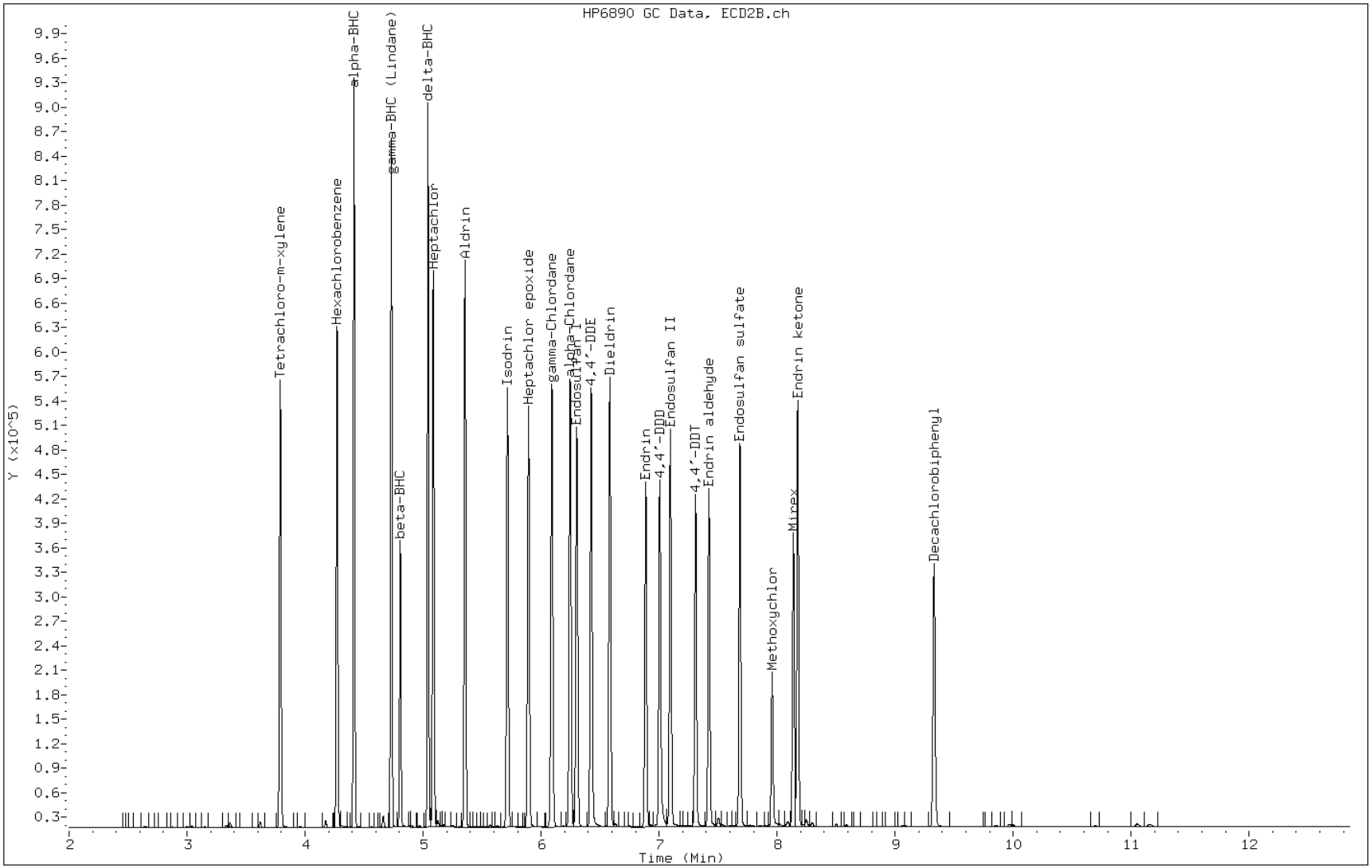
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.790	3.790	0.000	540511	50.0000	49.514
	4 Hexachlorobenzene	4.271	4.271	0.000	556293	50.0000	49.521
	5 alpha-BHC	4.414	4.415	-0.001	783551	50.0000	50.800
	6 gamma-BHC (Lindane)	4.731	4.731	0.000	695150	50.0000	49.525
	7 beta-BHC	4.806	4.806	0.000	289791	50.0000	49.520
	9 delta-BHC	5.041	5.041	0.000	702523	50.0000	49.528
	10 Heptachlor	5.086	5.086	0.000	606884	50.0000	51.545
	11 Aldrin	5.356	5.356	0.000	667071	50.0000	51.199
	15 Isodrin	5.714	5.715	-0.001	579730	50.0000	49.228
	16 Heptachlor epoxide	5.893	5.894	-0.001	588878	50.0000	51.452
	17 gamma-Chlordane	6.091	6.091	0.000	637551	50.0000	50.973
	19 alpha-Chlordane	6.246	6.246	0.000	617341	50.0000	51.079
	20 Endosulfan I	6.302	6.302	0.000	566197	50.0000	49.512
	21 4,4'-DDE	6.424	6.425	-0.001	616821	50.0000	50.974
	22 Dieldrin	6.582	6.583	-0.001	620215	50.0000	51.458
	25 Endrin	6.887	6.887	0.000	465685	50.0000	50.000
	28 4,4'-DDD	7.005	7.005	0.000	505796	50.0000	50.317
	29 Endosulfan II	7.095	7.095	0.000	544790	50.0000	51.727
	30 4,4'-DDT	7.309	7.310	-0.001	438233	50.0000	49.535
	31 Endrin aldehyde	7.422	7.423	-0.001	463823	50.0000	51.845
	32 Endosulfan sulfate	7.685	7.685	0.000	505220	50.0000	49.519
	33 Methoxychlor	7.958	7.959	-0.001	211493	50.0000	49.370
	34 Mirex	8.137	8.138	-0.001	395931	50.0000	49.537
	35 Endrin ketone	8.174	8.175	-0.001	555623	50.0000	51.601
$	36 Decachlorobiphenyl	9.330	9.330	0.000	419813	50.0000	49.517

Data File: 03210019.D

Date: 21-MAR-2012 16:53

Client ID: Instrument: GC_P1.i

Sample Info: ICRT-1288856 AB4 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210020.D
Lab Smp Id: IC-1288857 AB3
Inj Date : 21-MAR-2012 17:10
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1288857 AB3
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:08 pavlakoa Quant Type: ESTD
Cal Date : 21-MAR-2012 17:10 Cal File: 03210020.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

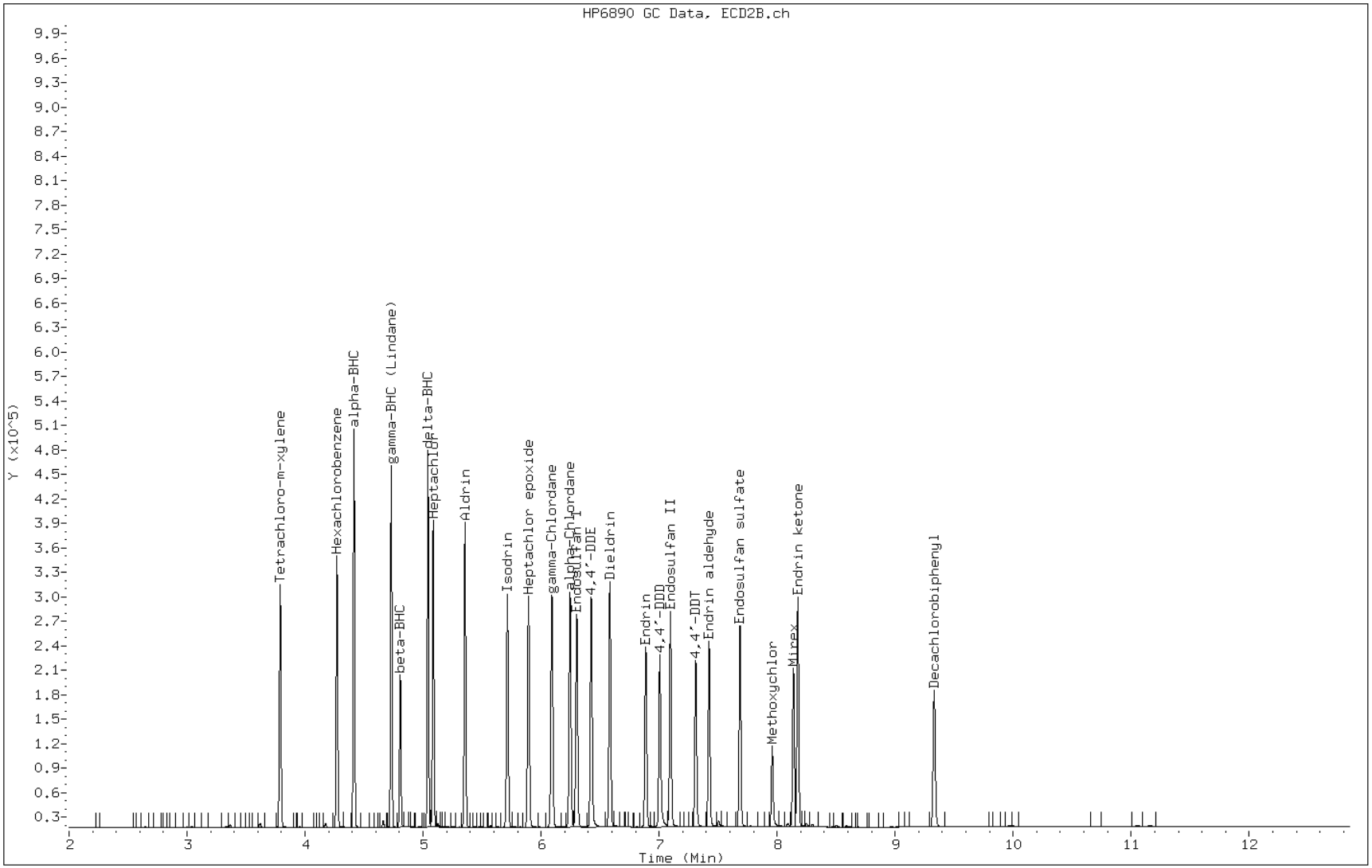
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.789	3.790	-0.001	287920	25.0000	24.894
	4 Hexachlorobenzene	4.269	4.271	-0.002	298570	25.0000	24.914
	5 alpha-BHC	4.414	4.415	-0.001	412053	25.0000	26.264
	6 gamma-BHC (Lindane)	4.730	4.731	-0.001	366138	25.0000	24.915
	7 beta-BHC	4.806	4.806	0.000	152454	25.0000	24.881
	9 delta-BHC	5.040	5.041	-0.001	368872	25.0000	24.909
	10 Heptachlor	5.085	5.086	-0.001	324574	25.0000	26.877
	11 Aldrin	5.354	5.356	-0.002	352310	25.0000	26.500
	15 Isodrin	5.714	5.715	-0.001	306749	25.0000	24.615
	16 Heptachlor epoxide	5.893	5.894	-0.001	315418	25.0000	26.872
	17 gamma-Chlordane	6.091	6.091	0.000	334314	25.0000	26.274
	19 alpha-Chlordane	6.245	6.246	-0.001	324973	25.0000	26.390
	20 Endosulfan I	6.302	6.302	0.000	302877	25.0000	24.844
	21 4,4'-DDE	6.424	6.425	-0.001	322537	25.0000	26.220
	22 Dieldrin	6.582	6.583	-0.001	328796	25.0000	26.672
	25 Endrin	6.886	6.887	-0.001	246336	25.0000	25.544
	28 4,4'-DDD	7.005	7.005	0.000	255854	25.0000	25.964
	29 Endosulfan II	7.095	7.095	0.000	293494	25.0000	27.090
	30 4,4'-DDT	7.309	7.310	-0.001	226585	25.0000	24.954
	31 Endrin aldehyde	7.423	7.423	0.000	248179	25.0000	27.001
	32 Endosulfan sulfate	7.684	7.685	-0.001	268735	25.0000	24.869
	33 Methoxychlor	7.958	7.959	-0.001	112856	25.0000	24.832
	34 Mirex	8.138	8.138	0.000	212247	25.0000	24.871
	35 Endrin ketone	8.174	8.175	-0.001	299839	25.0000	27.076
$	36 Decachlorobiphenyl	9.330	9.330	0.000	222401	25.0000	24.847

Data File: 03210020.D

Date: 21-MAR-2012 17:10

Client ID: Instrument: GC_P1.i

Sample Info: IC-1288857 AB3 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210021.D
Lab Smp Id: IC-1288858 AB2
Inj Date : 21-MAR-2012 17:27
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1288858 AB2
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:08 pavlakoa Quant Type: ESTD
Cal Date : 21-MAR-2012 17:27 Cal File: 03210021.D
Als bottle: 15 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

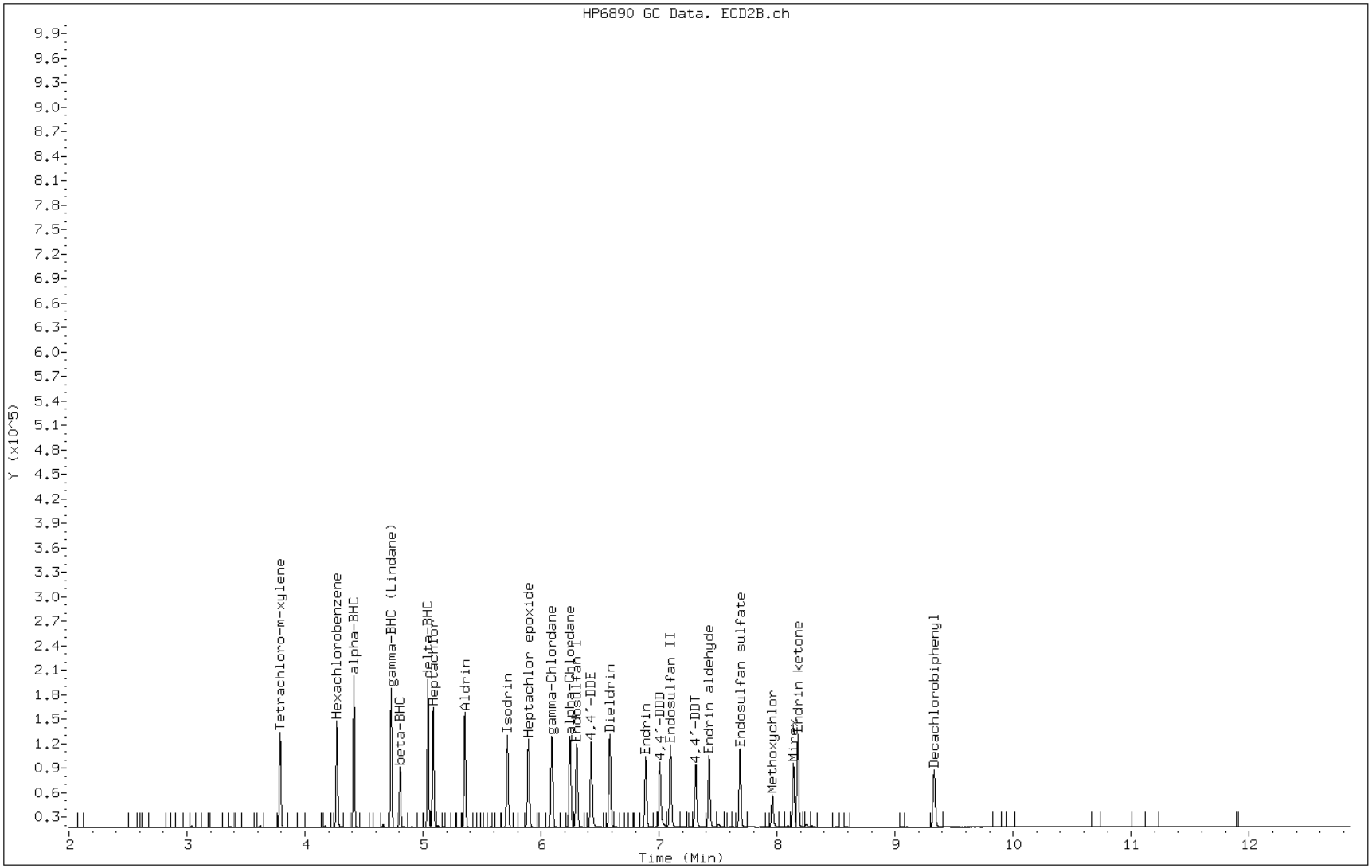
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.789	3.790	-0.001	113672	10.0000	9.8211
	4 Hexachlorobenzene	4.270	4.271	-0.001	120157	10.0000	9.8250
	5 alpha-BHC	4.414	4.415	-0.001	156882	10.0000	9.9997
	6 gamma-BHC (Lindane)	4.730	4.731	-0.001	140947	10.0000	9.8377
	7 beta-BHC	4.805	4.806	-0.001	62593	10.0000	9.8738
	9 delta-BHC	5.040	5.041	-0.001	140940	10.0000	9.8374
	10 Heptachlor	5.085	5.086	-0.001	128352	10.0000	10.496
	11 Aldrin	5.355	5.356	-0.001	135073	10.0000	10.127
	15 Isodrin	5.714	5.715	-0.001	119633	10.0000	9.3988
	16 Heptachlor epoxide	5.893	5.894	-0.001	122744	10.0000	10.362
	17 gamma-Chlordane	6.091	6.091	0.000	128960	10.0000	10.108
	19 alpha-Chlordane	6.245	6.246	-0.001	126370	10.0000	10.208
	20 Endosulfan I	6.301	6.302	-0.001	118973	10.0000	9.7891
	21 4,4'-DDE	6.425	6.425	0.000	123377	10.0000	10.024
	22 Dieldrin	6.582	6.583	-0.001	127286	10.0000	10.258
	25 Endrin	6.885	6.887	-0.002	98261	10.0000	10.392
	28 4,4'-DDD	7.006	7.005	0.001	100266	10.0000	10.360
	29 Endosulfan II	7.096	7.095	0.001	116747	10.0000	10.611
	30 4,4'-DDT	7.310	7.310	0.000	86986	10.0000	9.8936
	31 Endrin aldehyde	7.423	7.423	0.000	99263	10.0000	10.629
	32 Endosulfan sulfate	7.685	7.685	0.000	106131	10.0000	9.8148
	33 Methoxychlor	7.960	7.959	0.001	45870	10.0000	9.8199
	34 Mirex	8.138	8.138	0.000	87926	10.0000	9.8320
	35 Endrin ketone	8.175	8.175	0.000	120148	10.0000	10.668
$	36 Decachlorobiphenyl	9.330	9.330	0.000	93825	10.0000	9.8655

Data File: 03210021.D

Date: 21-MAR-2012 17:27

Client ID: Instrument: GC_P1.i

Sample Info: IC-1288858 AB2 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210022.D
Lab Smp Id: IC-1288859 AB1
Inj Date : 21-MAR-2012 17:44
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1288859 AB1
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:08 pavlakoa Quant Type: ESTD
Cal Date : 21-MAR-2012 17:44 Cal File: 03210022.D
Als bottle: 16 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

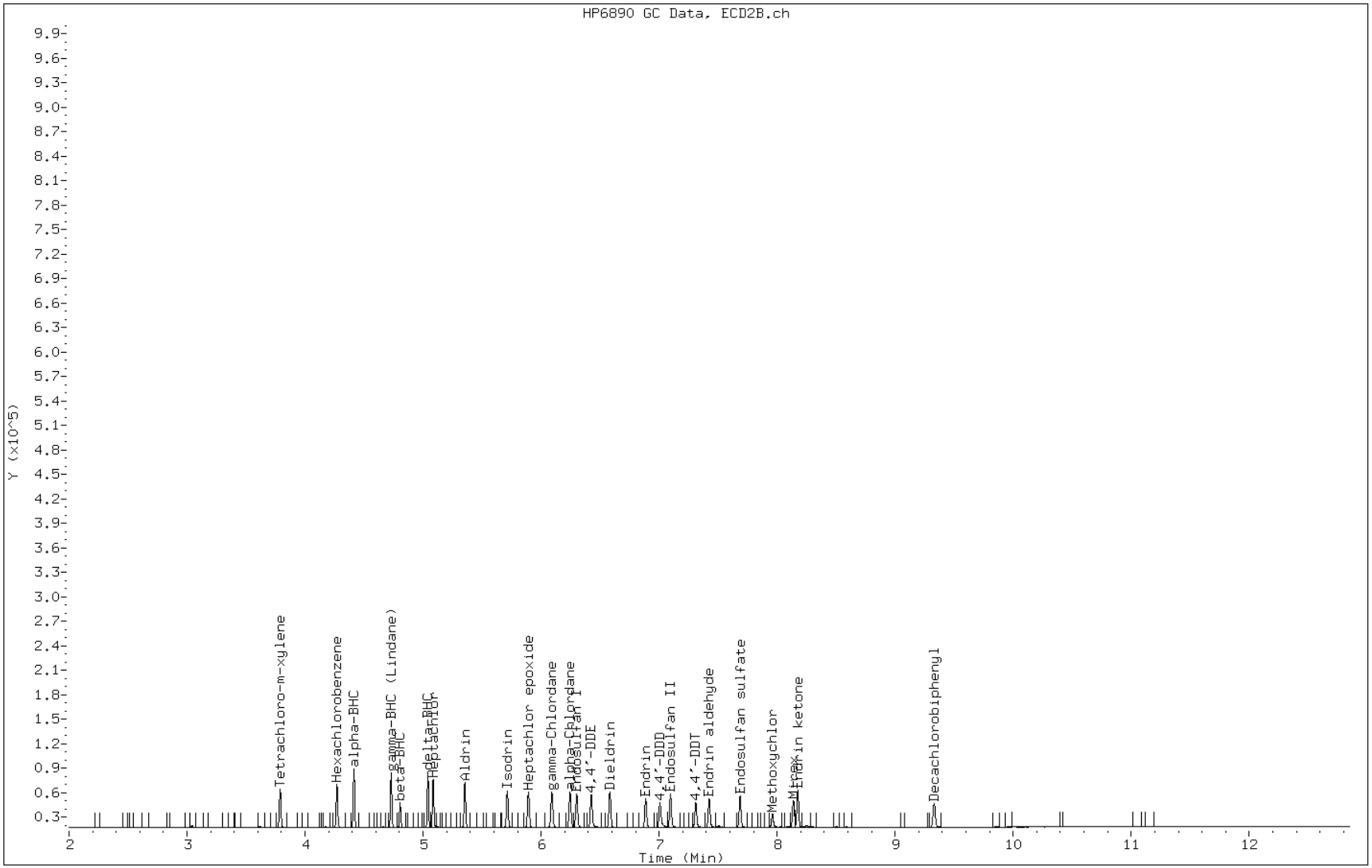
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.789	3.790	-0.001	46581	4.00000	3.9453
	4 Hexachlorobenzene	4.269	4.271	-0.002	50294	4.00000	3.9357
	5 alpha-BHC	4.414	4.415	-0.001	60801	4.00000	3.8957
	6 gamma-BHC (Lindane)	4.729	4.731	-0.002	55172	4.00000	3.9589
	7 beta-BHC	4.805	4.806	-0.001	26445	4.00000	3.9422
	9 delta-BHC	5.040	5.041	-0.001	54909	4.00000	3.9647
	10 Heptachlor	5.085	5.086	-0.001	51547	4.00000	4.1780
	11 Aldrin	5.354	5.356	-0.002	53030	4.00000	3.9800
	15 Isodrin	5.714	5.715	-0.001	48868	4.00000	3.7172
	16 Heptachlor epoxide	5.892	5.894	-0.002	49438	4.00000	4.1437
	17 gamma-Chlordane	6.091	6.091	0.000	52054	4.00000	4.0664
	19 alpha-Chlordane	6.244	6.246	-0.002	51286	4.00000	4.1185
	20 Endosulfan I	6.301	6.302	-0.001	48892	4.00000	3.9390
	21 4,4'-DDE	6.424	6.425	-0.001	48987	4.00000	3.9833
	22 Dieldrin	6.582	6.583	-0.001	51404	4.00000	4.1184
	25 Endrin	6.886	6.887	-0.001	41176	4.00000	4.4825
	28 4,4'-DDD	7.007	7.005	0.002	41674	4.00000	4.1658
	29 Endosulfan II	7.096	7.095	0.001	48403	4.00000	4.3274
	30 4,4'-DDT	7.310	7.310	0.000	34865	4.00000	3.9958
	31 Endrin aldehyde	7.423	7.423	0.000	41286	4.00000	4.3448
	32 Endosulfan sulfate	7.685	7.685	0.000	43609	4.00000	3.9442
	33 Methoxychlor	7.959	7.959	0.000	19646	4.00000	3.9364
	34 Mirex	8.138	8.138	0.000	37807	4.00000	3.9220
	35 Endrin ketone	8.174	8.175	-0.001	49606	4.00000	4.3316
$	36 Decachlorobiphenyl	9.329	9.330	-0.001	40838	4.00000	3.9243

Data File: 03210022.D

Date: 21-MAR-2012 17:44

Client ID: Instrument: GC_P1.i

Sample Info: IC-1288859 AB1 Operator: DW



FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 18:17 Calibration End Date: 03/21/2012 19:41 Calibration ID: 8843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/21	03210029.D
Level 2	IC 280-112708/20	03210028.D
Level 3	IC 280-112708/19	03210027.D
Level 4	IC 280-112708/18	03210026.D
Level 5	IC 280-112708/17	03210025.D
Level 6	IC 280-112708/16	03210024.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	5.655	5.654	5.654	5.654	5.654	5.654					5.641 - 5.667	5.654
Toxaphene Peak 2	6.336	6.335	6.336	6.337	6.337	6.337					6.324 - 6.350	6.336
Toxaphene Peak 3	7.078	7.076	7.077	7.077	7.078	7.077					7.064 - 7.090	7.077
Toxaphene Peak 4	7.645	7.645	7.645	7.643	7.644	7.644					7.630 - 7.656	7.644
Toxaphene Peak 5	7.933	7.933	7.932	7.932	7.933	7.933					7.919 - 7.945	7.933

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 18:17 Calibration End Date: 03/21/2012 19:41 Calibration ID: 8843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/21	03210029.D
Level 2	IC 280-112708/20	03210028.D
Level 3	IC 280-112708/19	03210027.D
Level 4	IC 280-112708/18	03210026.D
Level 5	IC 280-112708/17	03210025.D
Level 6	IC 280-112708/16	03210024.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	35.295 27.515	32.930 27.583	28.471	30.010	Lin2	-55.417117	28.0626442							0.9973		0.9900
Toxaphene Peak 2	126.12 113.14	126.96 112.41	111.69	111.28	Lin2	-28.381228	112.394159							0.9978		0.9900
Toxaphene Peak 3	179.32 144.28	156.46 149.53	137.49	158.33	Lin2	-43.285283	145.376104							0.9956		0.9900
Toxaphene Peak 4	227.72 235.19	243.64 241.71	219.50	243.84	Lin2	8.32431088	238.481472							0.9978		0.9900
Toxaphene Peak 5	360.35 347.74	369.44 359.13	340.68	374.25	Lin2	-2.4097506	357.700473							0.9982		0.9900

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 18:17 Calibration End Date: 03/21/2012 19:41 Calibration ID: 8843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/21	03210029.D
Level 2	IC 280-112708/20	03210028.D
Level 3	IC 280-112708/19	03210027.D
Level 4	IC 280-112708/18	03210026.D
Level 5	IC 280-112708/17	03210025.D
Level 6	IC 280-112708/16	03210024.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin2	7059 275834	16465	28471	60020	137575	200 10000	500	1000	2000	5000
Toxaphene Peak 2	Lin2	25224 1124085	63482	111687	222556	565681	200 10000	500	1000	2000	5000
Toxaphene Peak 3	Lin2	35864 1495316	78229	137487	316660	721393	200 10000	500	1000	2000	5000
Toxaphene Peak 4	Lin2	45543 2417147	121821	219496	487683	1175959	200 10000	500	1000	2000	5000
Toxaphene Peak 5	Lin2	72069 3591258	184722	340682	748508	1738681	200 10000	500	1000	2000	5000

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210024.D
Lab Smp Id: IC-1160140 TOX6
Inj Date : 21-MAR-2012 18:17
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160140 TOX6
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 13:25 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 18 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.654	5.654	0.000	275834	10000.0	9773.8	80.00- 120.00	100.00(AM)
6.336	6.337	-0.001	1124085	10000.0	9972.9	326.02- 489.03	407.52
7.076	7.077	-0.001	1495316	10000.0	10242	433.69- 650.53	542.11
7.644	7.643	0.001	2417147	10000.0	10144	701.04-1051.57	876.30
7.932	7.932	0.000	3591258	10000.0	10037	1041.57-1562.36	1301.96
Average of Peak Amounts =					10033.9		

QC Flag Legend

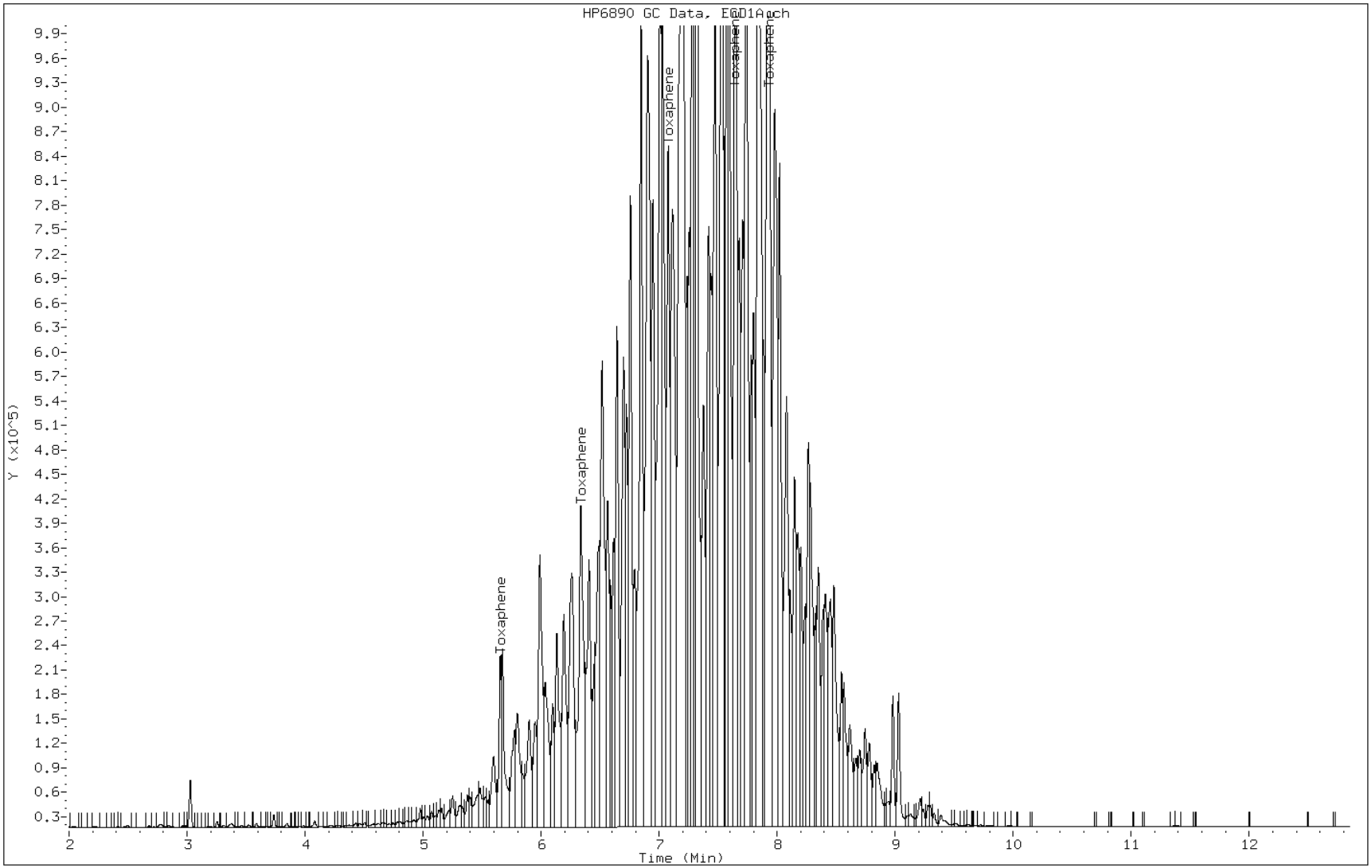
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Data File: 03210024.D

Date: 21-MAR-2012 18:17

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160140 TOX6 Operator: DW



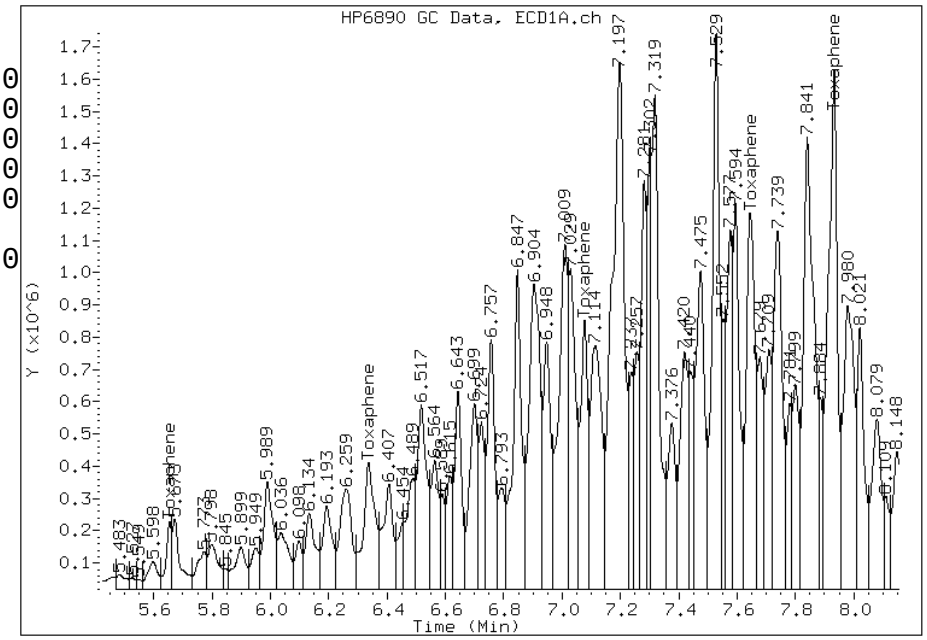
Manual Integration Report

Data File: 03210024.D
Inj. Date and Time: 21-MAR-2012 18:17
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 03/22/2012

Processing Integration Results

RT	Response	Conc
5.65	266161*	10000.00
6.34	1107708*	10000.00
7.08	1465267*	10000.00
7.64	2384317*	10000.00
7.93	3559509*	10000.00

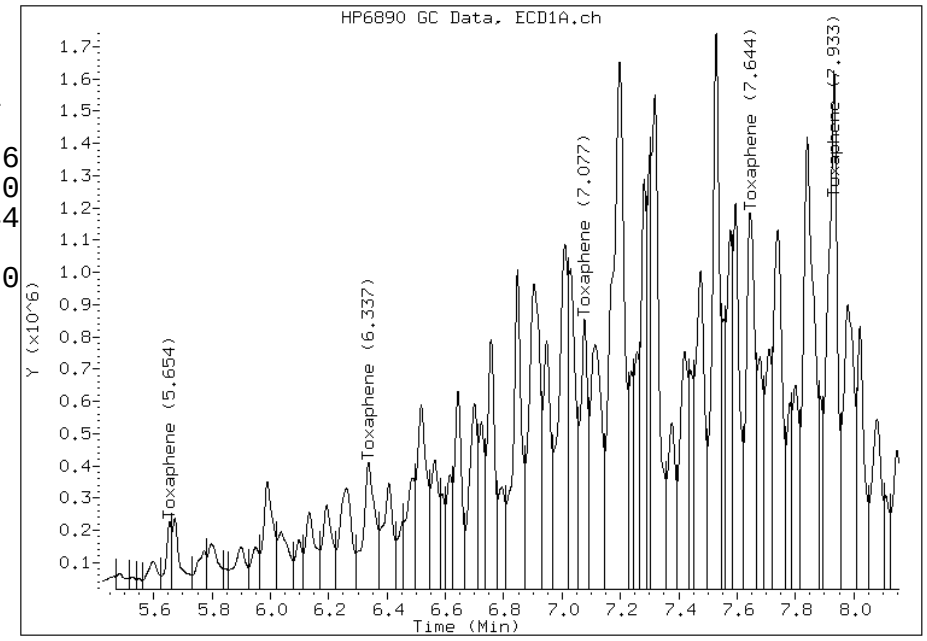
Final Conc		10000.00



Manual Integration Results

RT	Response	Conc
5.65	275834*	9773.81
6.34	1124085*	9972.89
7.08	1495316*	10242.56
7.64	2417147*	10143.90
7.93	3591258*	10037.44

Final Conc		10034.00



Manually Integrated By: pavlakoa
Modification Date: 22-Mar-2012 10:57
Manual Integration Reason: Baseline Event

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210025.D
Lab Smp Id: IC-1160139 TOX5
Inj Date : 21-MAR-2012 18:34
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160139 TOX5
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 13:25 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 18:17 Cal File: 03210024.D
Als bottle: 19 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.654	5.654	0.000	137575	5000.00	4847.0	80.00- 120.00	100.00(AM)
6.336	6.337	-0.001	565681	5000.00	5004.6	328.94- 493.42	411.18
7.077	7.077	0.000	721393	5000.00	4919.0	419.49- 629.24	524.36
7.644	7.643	0.001	1175959	5000.00	4939.4	683.82-1025.73	854.78
7.932	7.932	0.000	1738681	5000.00	4858.3	1011.04-1516.57	1263.81
		Average of Peak Amounts =			4913.66		

QC Flag Legend

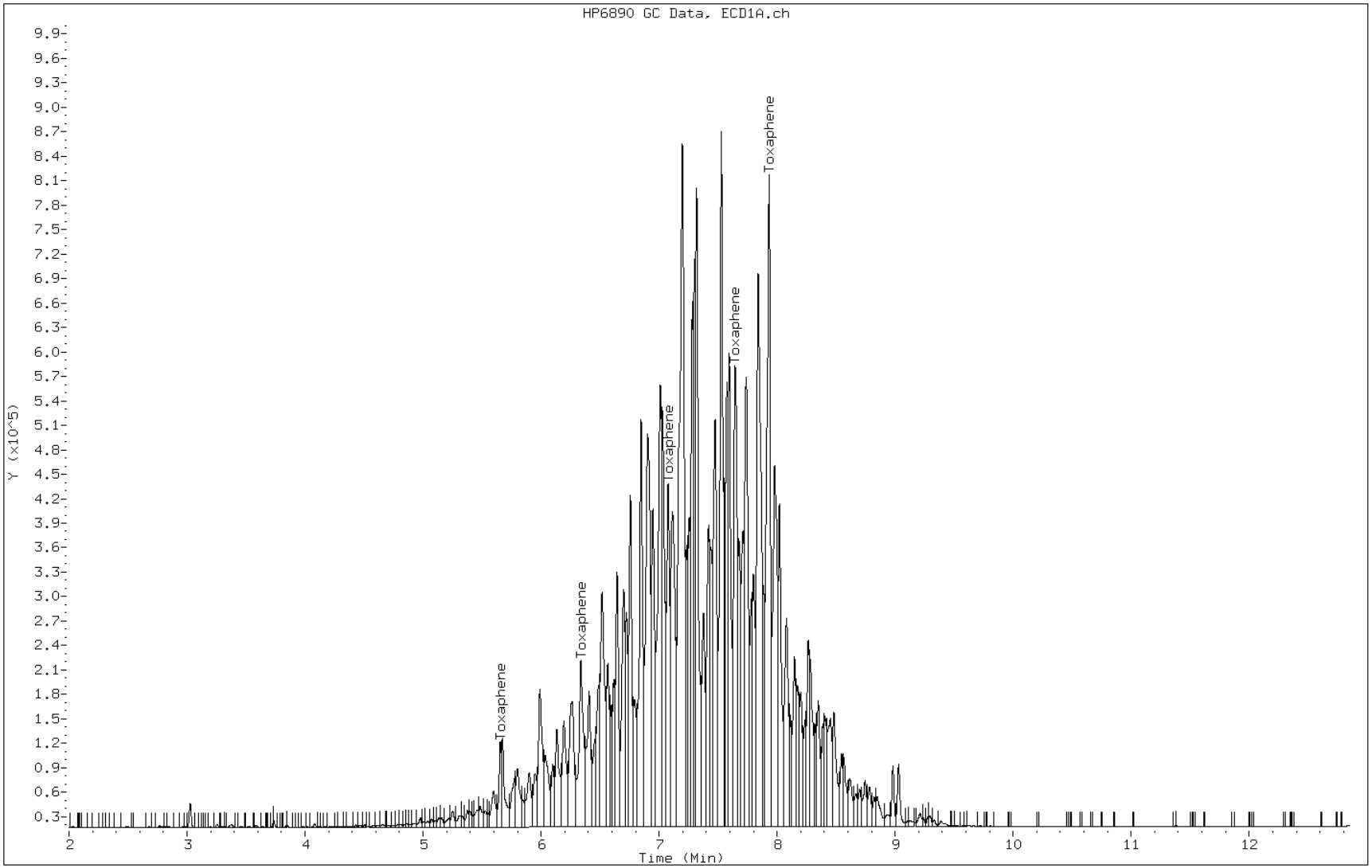
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Data File: 03210025.D

Date: 21-MAR-2012 18:34

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160139 TOX5 Operator: DW



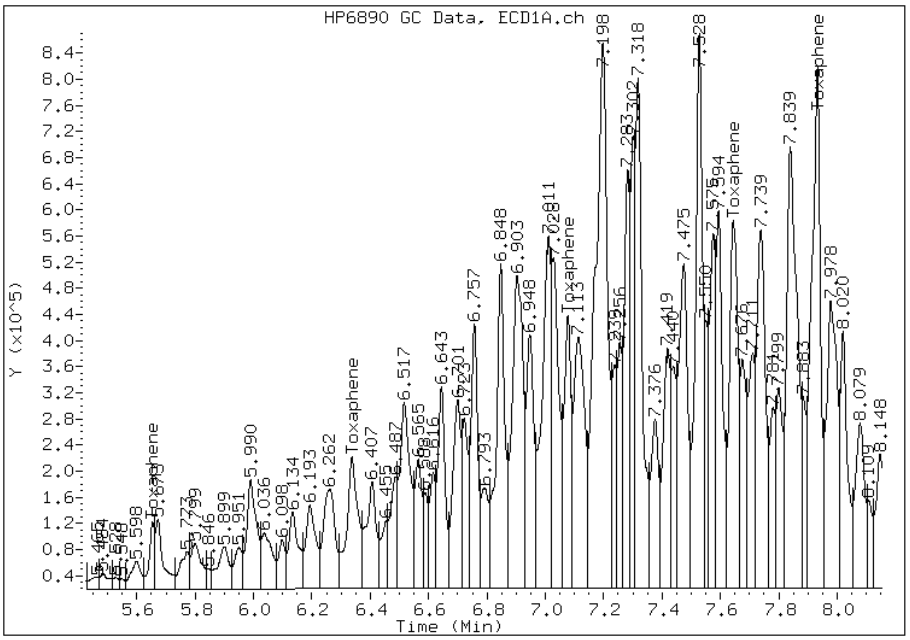
Manual Integration Report

Data File: 03210025.D
Inj. Date and Time: 21-MAR-2012 18:34
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 03/22/2012

Processing Integration Results

RT	Response	Conc
5.65	130103*	4837.92
6.34	549480*	4978.99
7.08	701714*	4793.86
7.64	1153020*	4877.76
7.93	1713751*	4837.50

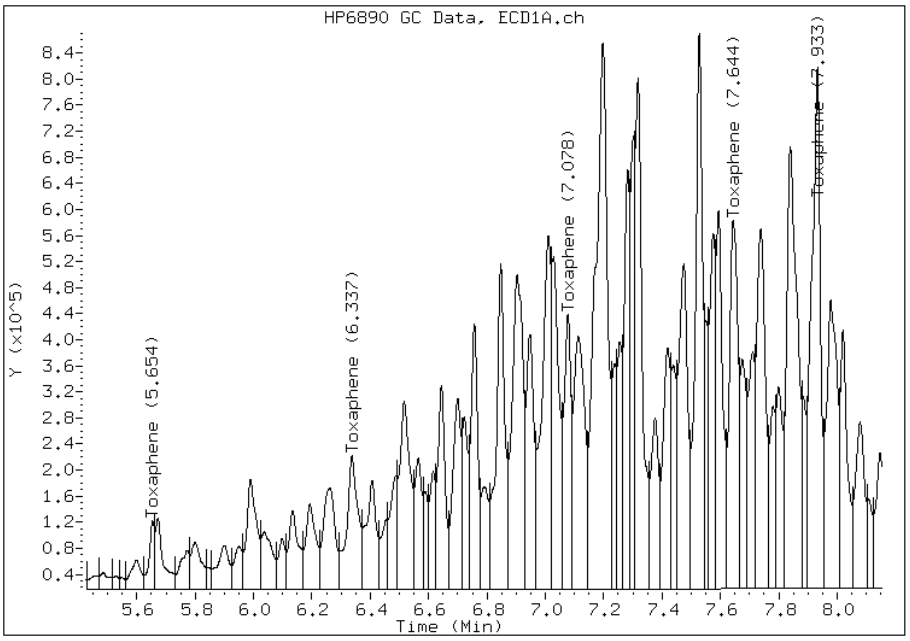
Final Conc		4865.20



Manual Integration Results

RT	Response	Conc
5.65	137575*	4847.01
6.34	565681*	5004.63
7.08	721393*	4918.97
7.64	1175959*	4939.35
7.93	1738681*	4858.31

Final Conc		4913.60



Manually Integrated By: pavlakoa
Modification Date: 22-Mar-2012 10:57
Manual Integration Reason: Baseline Event

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210026.D
Lab Smp Id: IC-1160137 TOX4
Inj Date : 21-MAR-2012 18:51
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160137 TOX4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 13:25 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 20:15 Cal File: 03210031.D
Als bottle: 20 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.654	5.654	0.000	60020	2000.00	2083.4	80.00- 120.00	100.00(AM)
6.336	6.337	-0.001	222556	2000.00	1951.8	296.64- 444.96	370.80
7.076	7.077	-0.001	316660	2000.00	2134.9	422.07- 633.11	527.59
7.643	7.643	0.000	487683	2000.00	2053.3	650.03- 975.04	812.53
7.932	7.932	0.000	748508	2000.00	2090.1	997.68-1496.52	1247.10
		Average of Peak Amounts =			2062.70		

QC Flag Legend

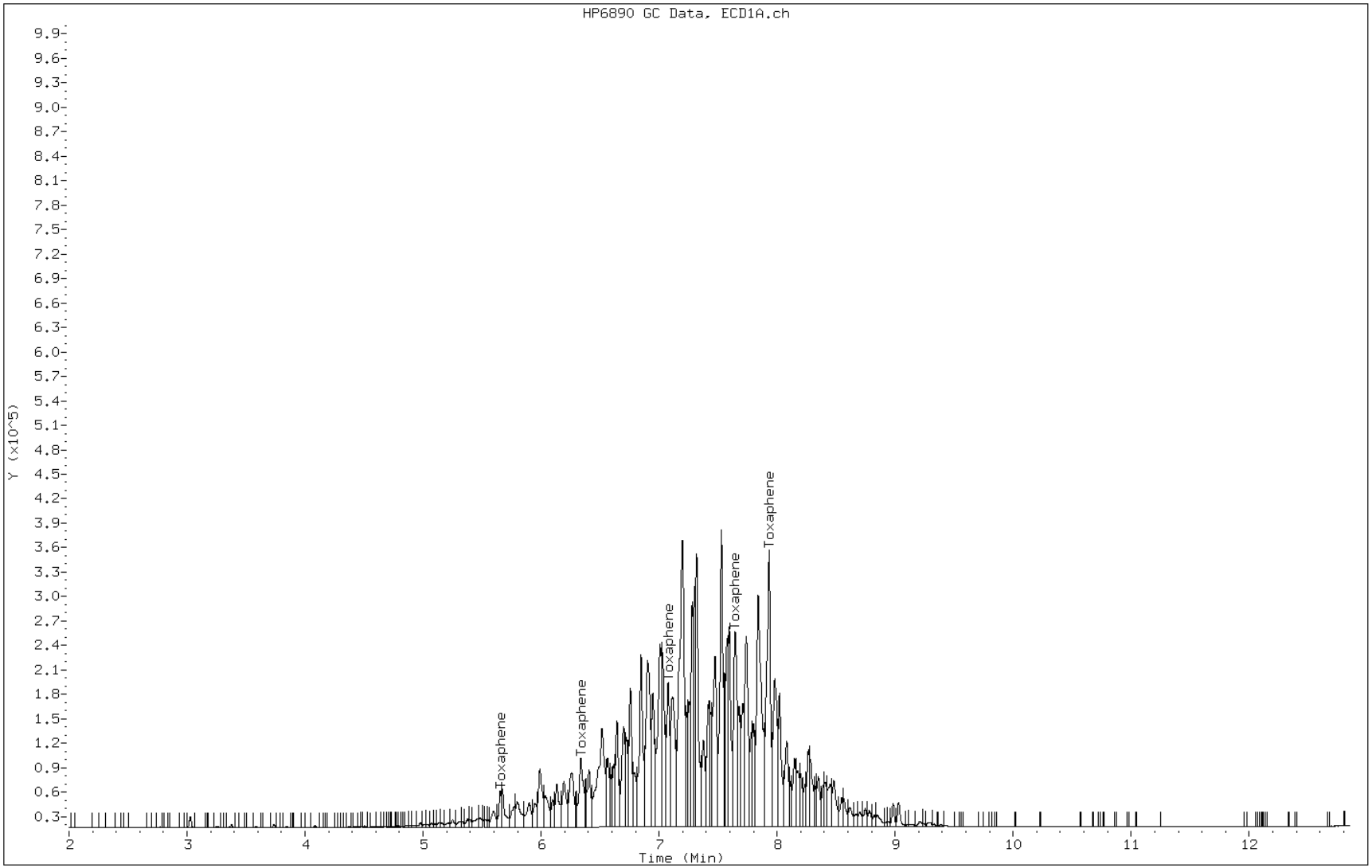
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Data File: 03210026.D

Date: 21-MAR-2012 18:51

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160137 TOX4 Operator: DW



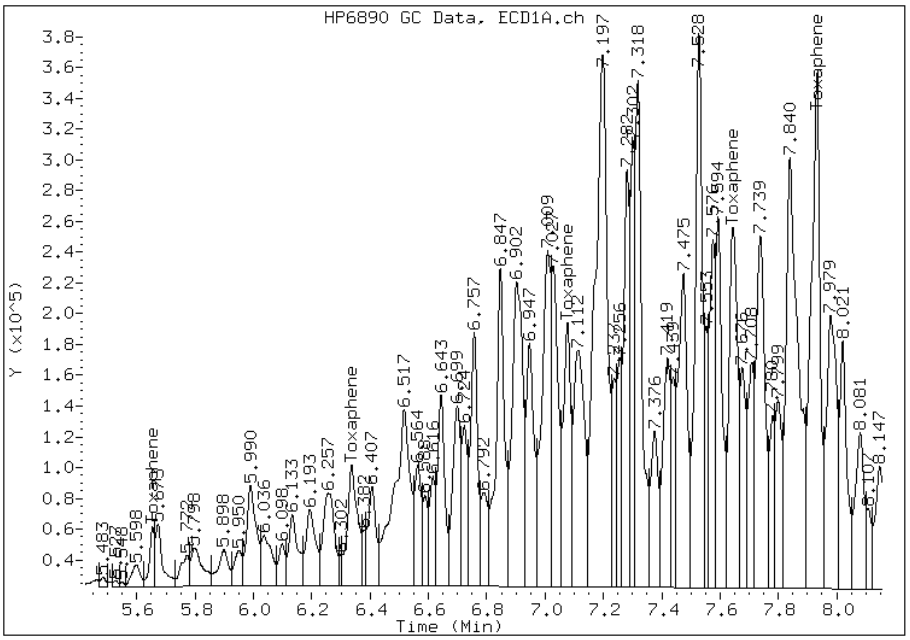
Manual Integration Report

Data File: 03210026.D
Inj. Date and Time: 21-MAR-2012 18:51
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 03/22/2012

Processing Integration Results

RT	Response	Conc
5.65	46030*	1996.67
6.34	195056*	1993.72
7.08	299370*	2016.23
7.64	470301*	2009.57
7.93	729237*	2014.60

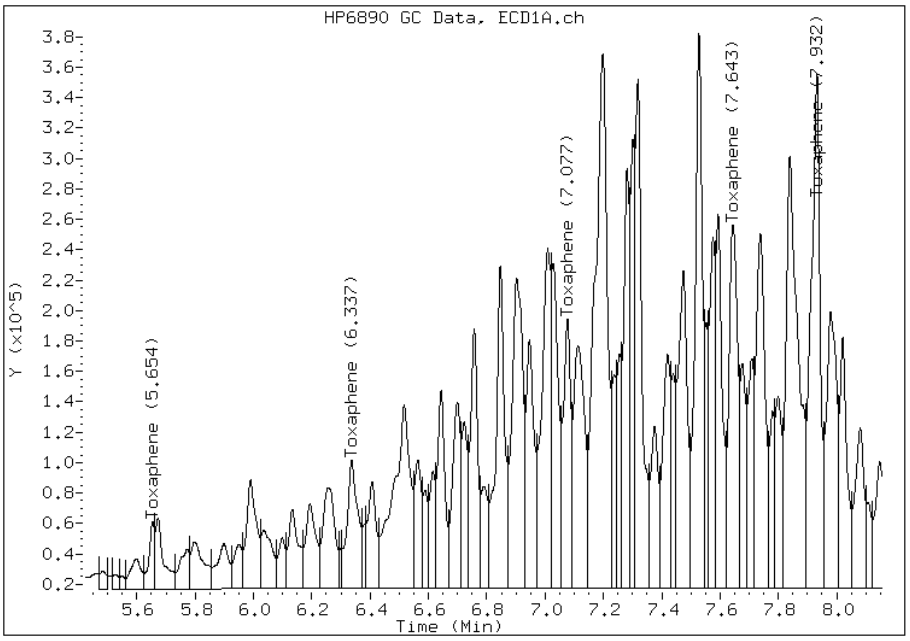
Final Conc		2006.20



Manual Integration Results

RT	Response	Conc
5.65	60020*	2083.37
6.34	222556*	1951.76
7.08	316660*	2134.93
7.64	487683*	2053.28
7.93	748508*	2090.15

Final Conc		2062.70



Manually Integrated By: pavlakoa
Modification Date: 22-Mar-2012 10:58
Manual Integration Reason: Baseline Event

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210027.D
Lab Smp Id: IC-1160136 TOX3
Inj Date : 21-MAR-2012 19:08
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160136 TOX3
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 13:25 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 20:31 Cal File: 03210032.D
Als bottle: 21 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.653	5.654	-0.001	28471	1000.00	959.13	80.00- 120.00	100.00(M)
6.336	6.337	-0.001	111687	1000.00	965.33	313.83- 470.74	392.28
7.077	7.077	0.000	137487	1000.00	902.45	386.32- 579.48	482.90
7.644	7.643	0.001	219496	1000.00	928.71	616.76- 925.14	770.95
7.932	7.932	0.000	340682	1000.00	950.01	957.27-1435.91	1196.59
Average of Peak Amounts =					941.126		

QC Flag Legend

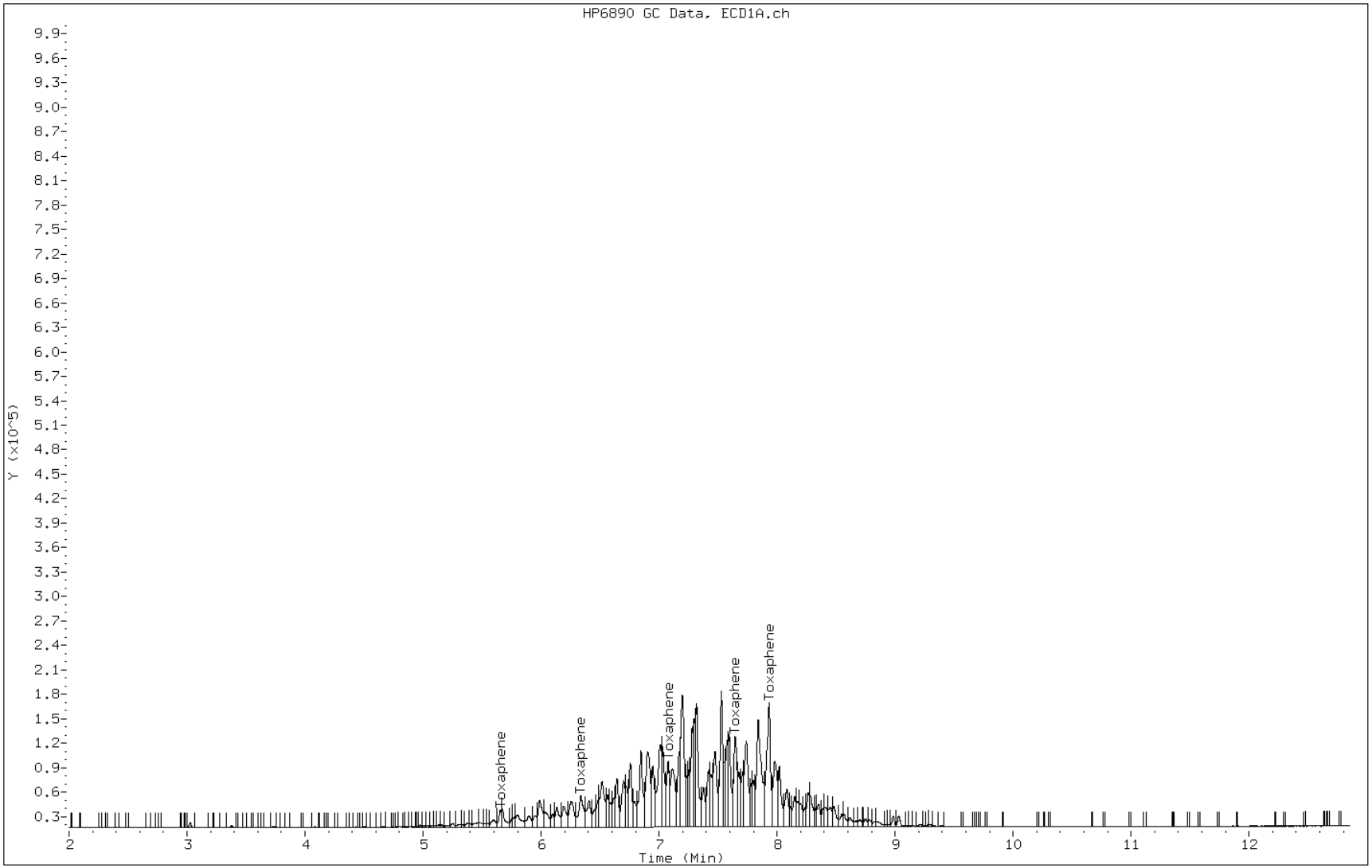
M - Compound response manually integrated.

Data File: 03210027.D

Date: 21-MAR-2012 19:08

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160136 TOX3 Operator: DW



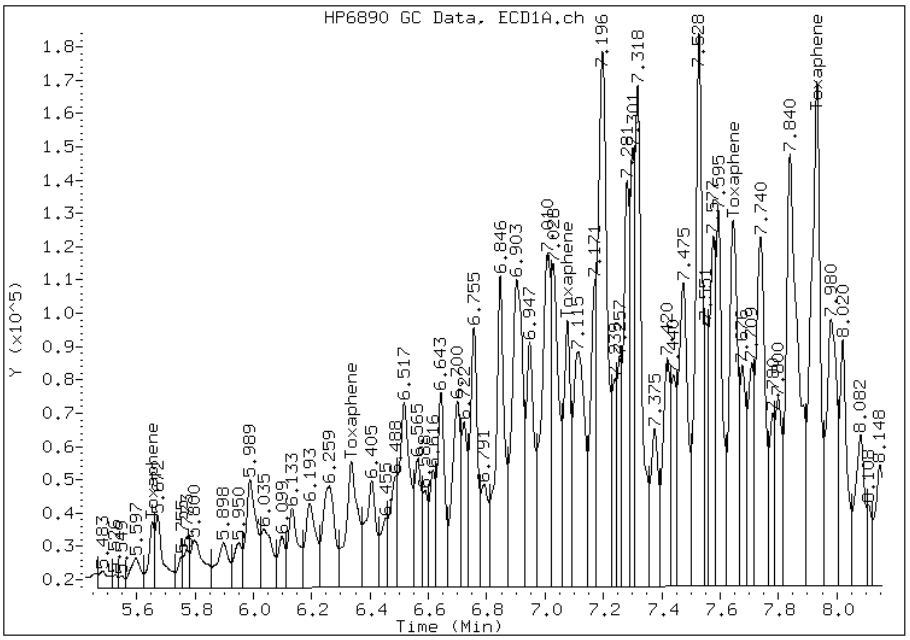
Manual Integration Report

Data File: 03210027.D
Inj. Date and Time: 21-MAR-2012 19:08
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 03/22/2012

Processing Integration Results

RT	Response	Conc
5.65	26283*	1043.31
6.34	107017*	1034.42
7.08	133113*	981.28
7.64	214606*	990.35
7.93	335065*	984.50

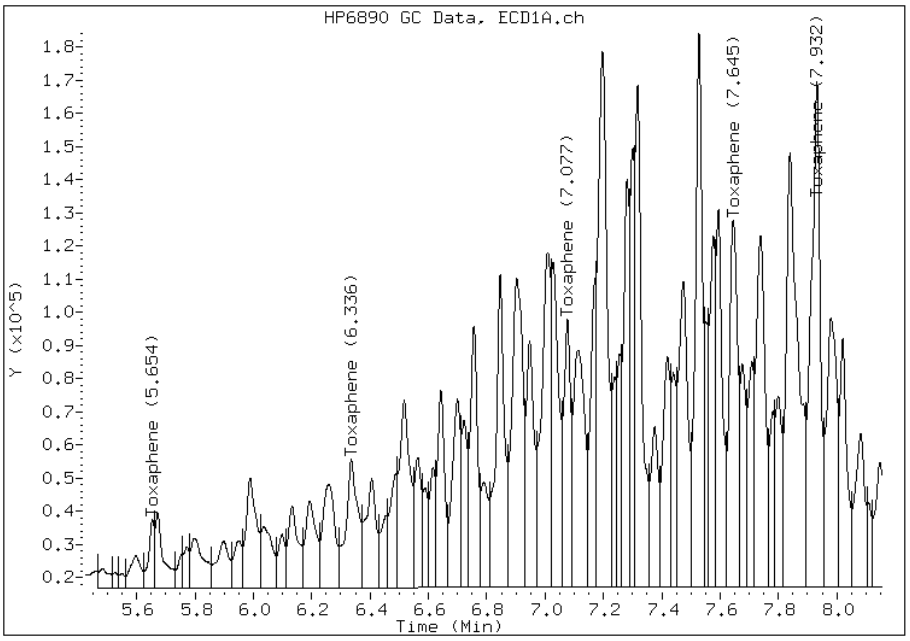
Final Conc		1006.80



Manual Integration Results

RT	Response	Conc
5.65	28471*	959.13
6.34	111687*	965.33
7.08	137487*	902.45
7.64	219496*	928.71
7.93	340682*	950.01

Final Conc		941.13



Manually Integrated By: pavlakoa
Modification Date: 22-Mar-2012 10:58
Manual Integration Reason: Baseline Event

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210028.D
Lab Smp Id: IC-1160134 TOX2
Inj Date : 21-MAR-2012 19:24
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160134 TOX2
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 13:25 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 20:48 Cal File: 03210033.D
Als bottle: 22 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.653	5.654	-0.001	16465	500.000	531.30	80.00- 120.00	100.00(M)
6.335	6.337	-0.002	63482	500.000	536.43	308.45- 462.67	385.56
7.076	7.077	-0.001	78229	500.000	494.83	380.10- 570.15	475.12
7.645	7.643	0.002	121821	500.000	519.14	591.90- 887.85	739.88
7.932	7.932	0.000	184722	500.000	514.00	897.53-1346.29	1121.91
		Average of Peak Amounts =			519.140		

QC Flag Legend

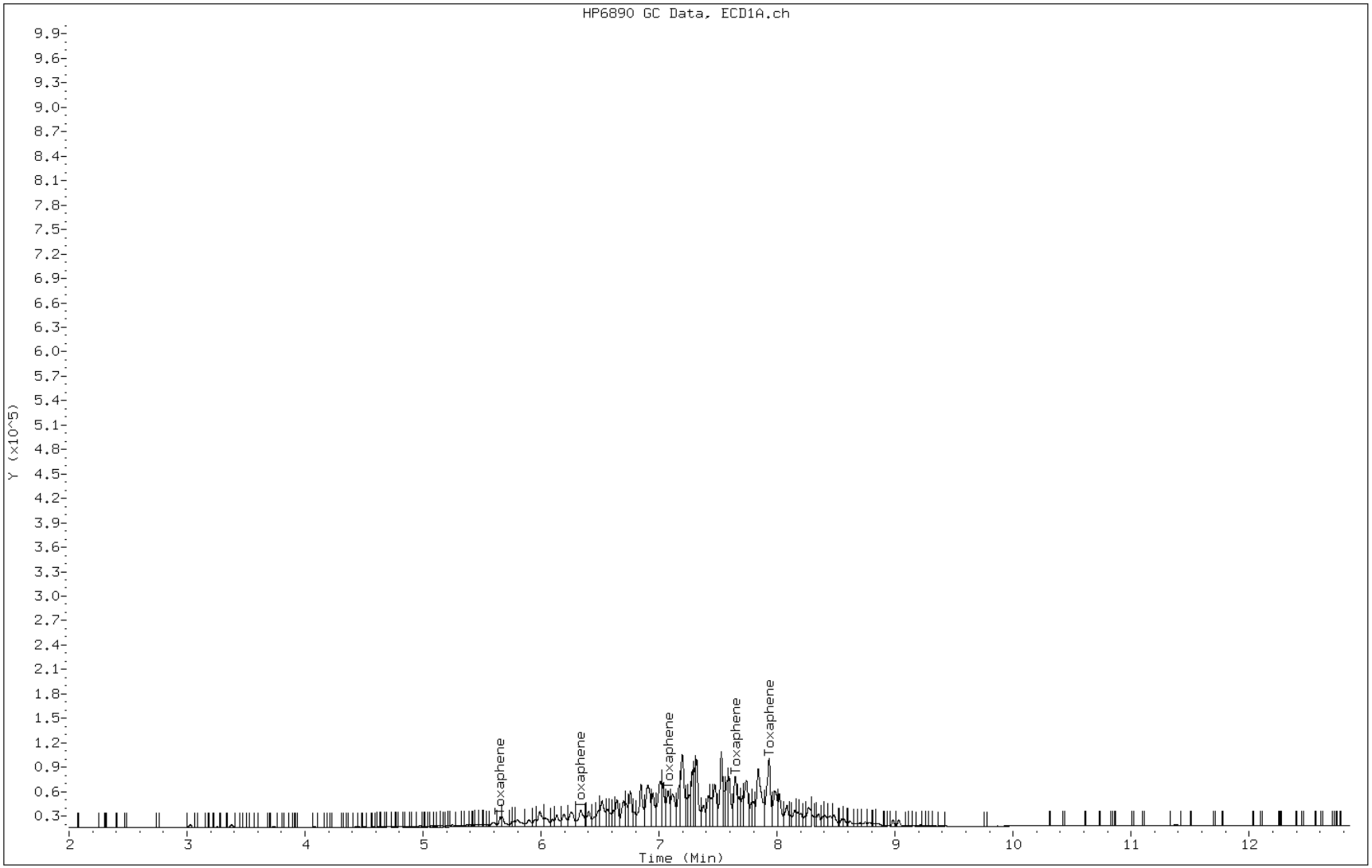
M - Compound response manually integrated.

Data File: 03210028.D

Date: 21-MAR-2012 19:24

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160134 TOX2 Operator: DW



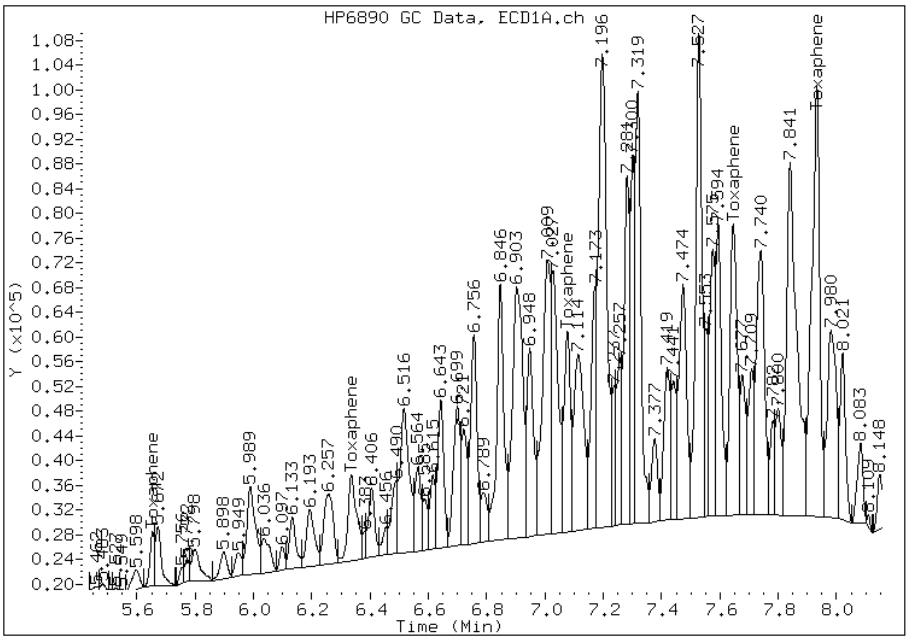
Manual Integration Report

Data File: 03210028.D
Inj. Date and Time: 21-MAR-2012 19:24
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 03/22/2012

Processing Integration Results

RT	Response	Conc
5.65	9334*	483.47
6.34	29178*	474.84
7.08	52116*	489.85
7.65	82655*	490.87
7.93	134070*	488.11

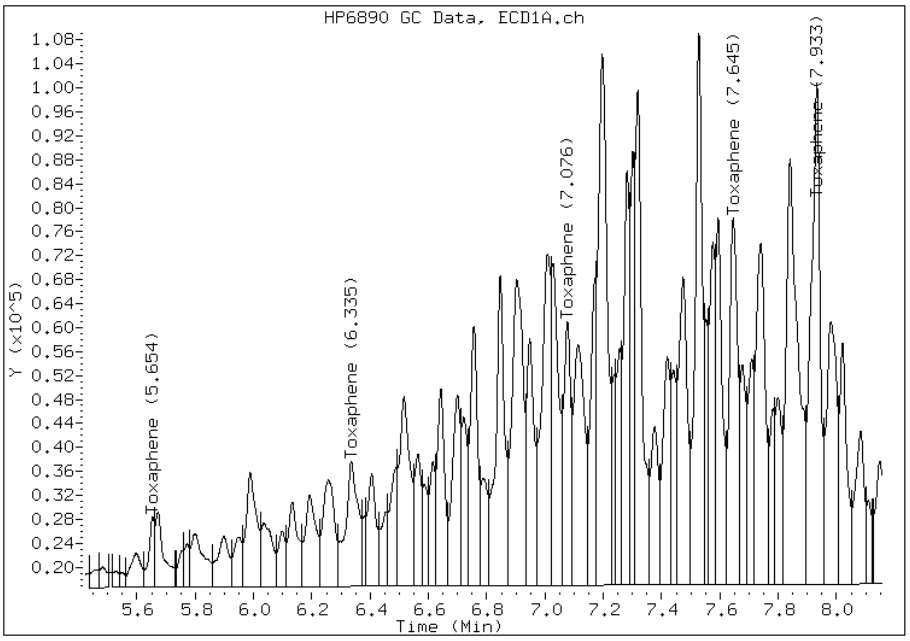
Final Conc		485.43



Manual Integration Results

RT	Response	Conc
5.65	16465*	531.31
6.34	63482*	536.43
7.08	78229*	494.83
7.65	121821*	519.14
7.93	184722*	514.01

Final Conc		519.14



Manually Integrated By: pavlakoa
Modification Date: 22-Mar-2012 10:58
Manual Integration Reason: Baseline Event

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210029.D
Lab Smp Id: IC-1160132 TOX1
Inj Date : 21-MAR-2012 19:41
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160132 TOX1
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 13:25 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 21:05 Cal File: 03210034.D
Als bottle: 23 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.654	5.654	0.000	7059	200.000	196.13	80.00- 120.00	100.00(M)
6.336	6.337	-0.001	25224	200.000	196.04	285.86- 428.80	357.33
7.078	7.077	0.001	35864	200.000	203.41	406.45- 609.67	508.06
7.644	7.643	0.001	45543	200.000	199.30	516.14- 774.21	645.18
7.933	7.932	0.001	72069	200.000	199.07	816.76-1225.14	1020.95
Average of Peak Amounts =					198.790		

QC Flag Legend

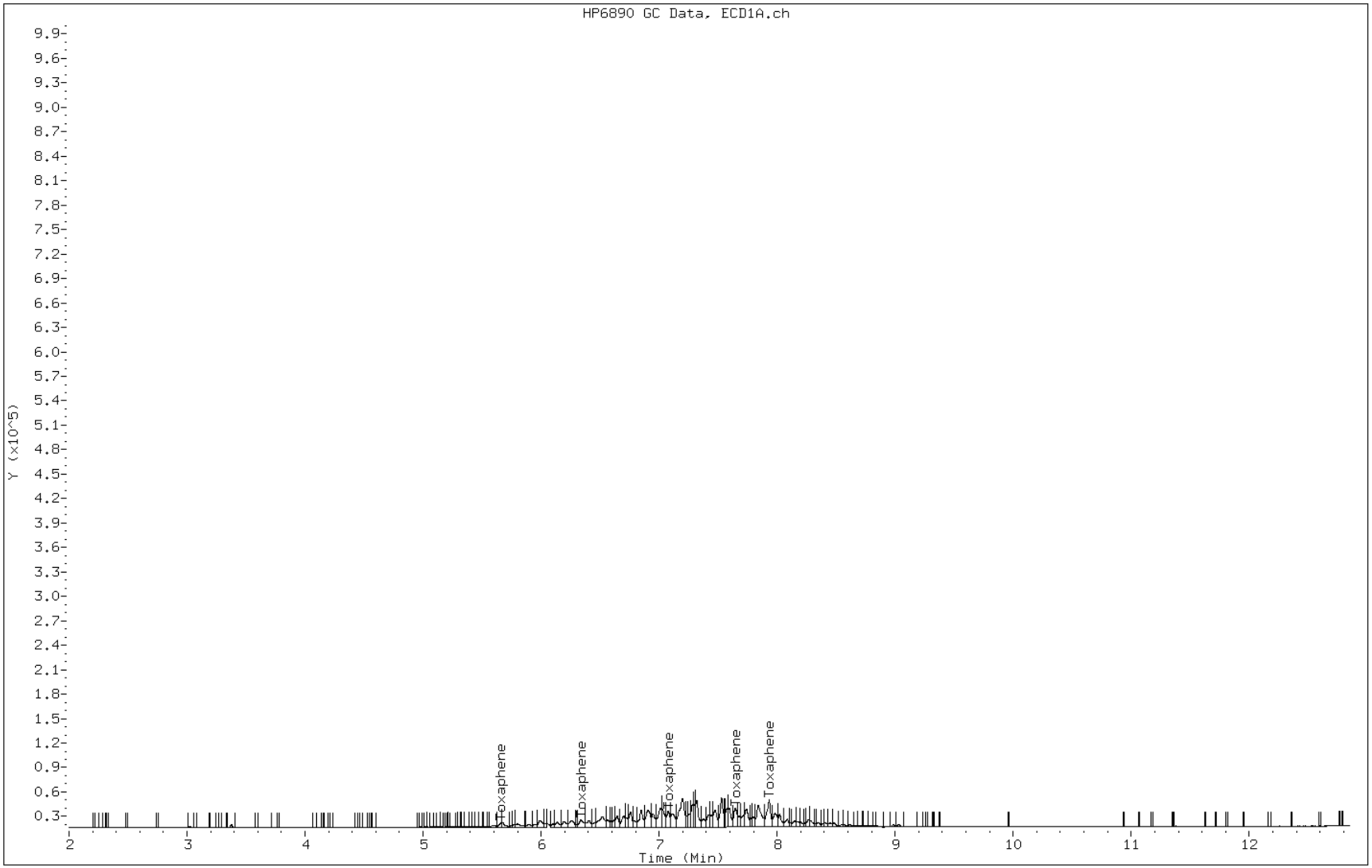
M - Compound response manually integrated.

Data File: 03210029.D

Date: 21-MAR-2012 19:41

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160132 TOX1 Operator: DW



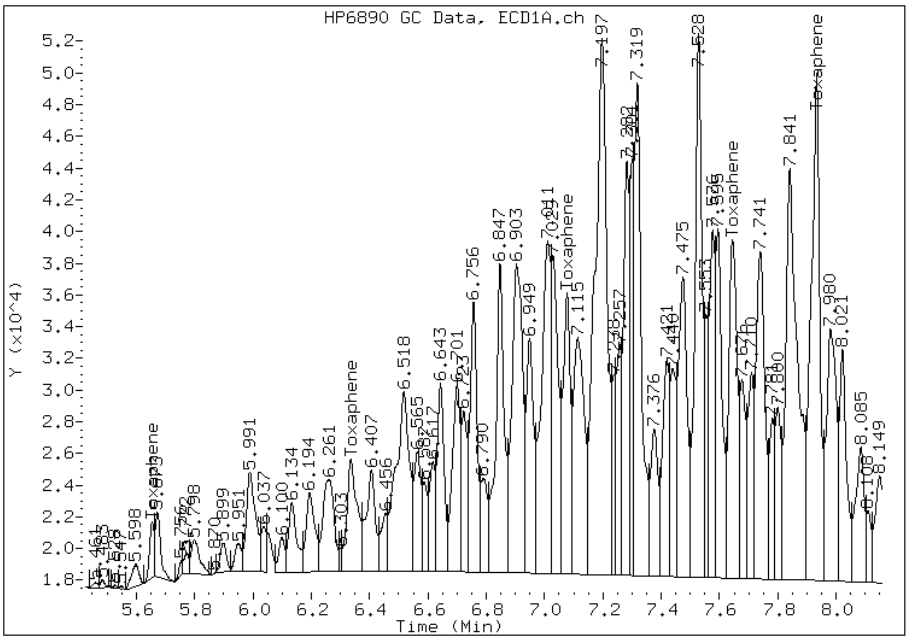
Manual Integration Report

Data File: 03210029.D
Inj. Date and Time: 21-MAR-2012 19:41
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 03/22/2012

Processing Integration Results

RT	Response	Conc
5.65	3784*	210.01
6.34	17325*	224.78
7.08	31698*	221.72
7.64	41944*	216.92
7.93	68065*	214.45

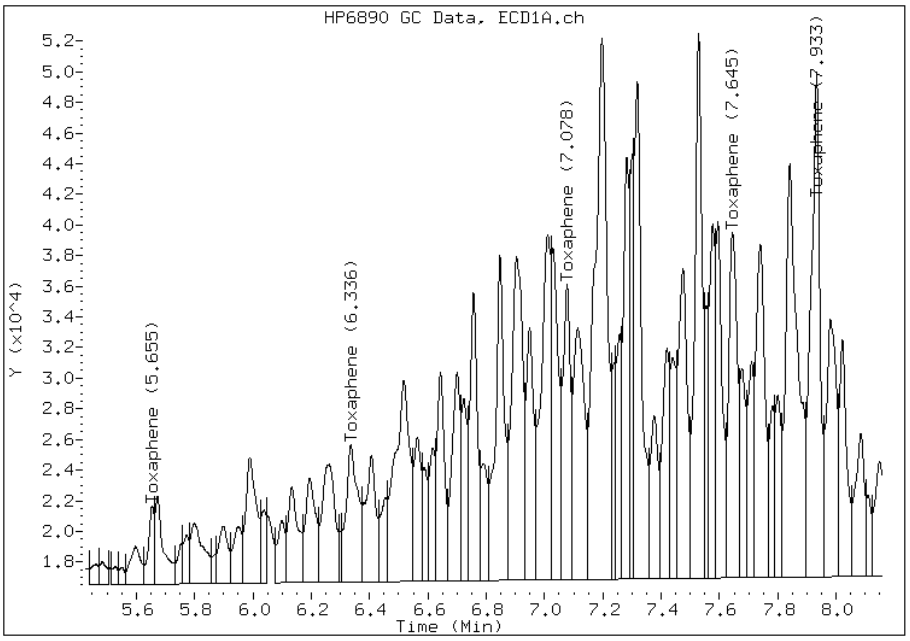
Final Conc		217.58



Manual Integration Results

RT	Response	Conc
5.65	7059*	196.13
6.34	25224*	196.04
7.08	35864*	203.41
7.64	45543*	199.30
7.93	72069*	199.07

Final Conc		198.79



Manually Integrated By: pavlakoa
Modification Date: 22-Mar-2012 10:58
Manual Integration Reason: Baseline Event

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 18:17 Calibration End Date: 03/21/2012 19:41 Calibration ID: 8847

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/21	03210029.D
Level 2	IC 280-112708/20	03210028.D
Level 3	IC 280-112708/19	03210027.D
Level 4	IC 280-112708/18	03210026.D
Level 5	IC 280-112708/17	03210025.D
Level 6	IC 280-112708/16	03210024.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	5.741	5.740	5.741	5.740	5.740	5.740					5.727 - 5.753	5.740
Toxaphene Peak 2	6.163	6.164	6.163	6.163	6.164	6.164					6.150 - 6.176	6.164
Toxaphene Peak 3	6.679	6.678	6.679	6.678	6.679	6.679					6.665 - 6.691	6.679
Toxaphene Peak 4	7.083	7.083	7.083	7.083	7.084	7.084					7.070 - 7.096	7.083
Toxaphene Peak 5	7.908	7.908	7.908	7.908	7.908	7.908					7.895 - 7.921	7.908

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 18:17 Calibration End Date: 03/21/2012 19:41 Calibration ID: 8847

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/21	03210029.D
Level 2	IC 280-112708/20	03210028.D
Level 3	IC 280-112708/19	03210027.D
Level 4	IC 280-112708/18	03210026.D
Level 5	IC 280-112708/17	03210025.D
Level 6	IC 280-112708/16	03210024.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	73.440 55.409	65.434 55.090	56.263	59.628	Lin2	-66.739935	55.5094886							0.9979		0.9900
Toxaphene Peak 2	113.75 92.537	103.36 91.817	91.823	96.625	Lin2	-48.537497	91.8405270							0.9988		0.9900
Toxaphene Peak 3	167.60 147.21	157.79 145.45	140.67	154.92	Lin2	-29.177151	146.188190							0.9980		0.9900
Toxaphene Peak 4	352.85 319.26	343.96 313.79	308.68	345.43	Lin2	-20.476920	321.511137							0.9973		0.9900
Toxaphene Peak 5	328.72 327.76	330.77 327.00	301.25	341.01	Lin2	-0.2953899	326.389106							0.9976		0.9900

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

FORM VI
PESTICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 112708

SDG No.:

Instrument ID: GCS_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 18:17 Calibration End Date: 03/21/2012 19:41 Calibration ID: 8847

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-112708/21	03210029.D
Level 2	IC 280-112708/20	03210028.D
Level 3	IC 280-112708/19	03210027.D
Level 4	IC 280-112708/18	03210026.D
Level 5	IC 280-112708/17	03210025.D
Level 6	IC 280-112708/16	03210024.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin2	14688 550902	32717	56263	119256	277047	200 10000	500	1000	2000	5000
Toxaphene Peak 2	Lin2	22749 918166	51679	91823	193249	462683	200 10000	500	1000	2000	5000
Toxaphene Peak 3	Lin2	33520 1454506	78896	140665	309843	736038	200 10000	500	1000	2000	5000
Toxaphene Peak 4	Lin2	70569 3137885	171981	308683	690868	1596299	200 10000	500	1000	2000	5000
Toxaphene Peak 5	Lin2	65744 3270017	165384	301251	682029	1638775	200 10000	500	1000	2000	5000

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210024.D
Lab Smp Id: IC-1160140 TOX6
Inj Date : 21-MAR-2012 18:17
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160140 TOX6
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:26 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 18 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
13 Toxaphene					CAS #: 8001-35-2		
5.740	5.740	0.000	550902	10000.0	9857.7	80.00- 120.00	100.00(A)
6.163	6.163	0.000	918166	10000.0	9948.8	133.33- 200.00	166.67
6.678	6.678	0.000	1454506	10000.0	9920.4	211.22- 316.83	264.02
7.083	7.083	0.000	3137885	10000.0	9739.3	455.67- 683.51	569.59
7.907	7.908	-0.001	3270017	10000.0	10018	474.86- 712.29	593.58
		Average of Peak Amounts =			9896.84		

QC Flag Legend

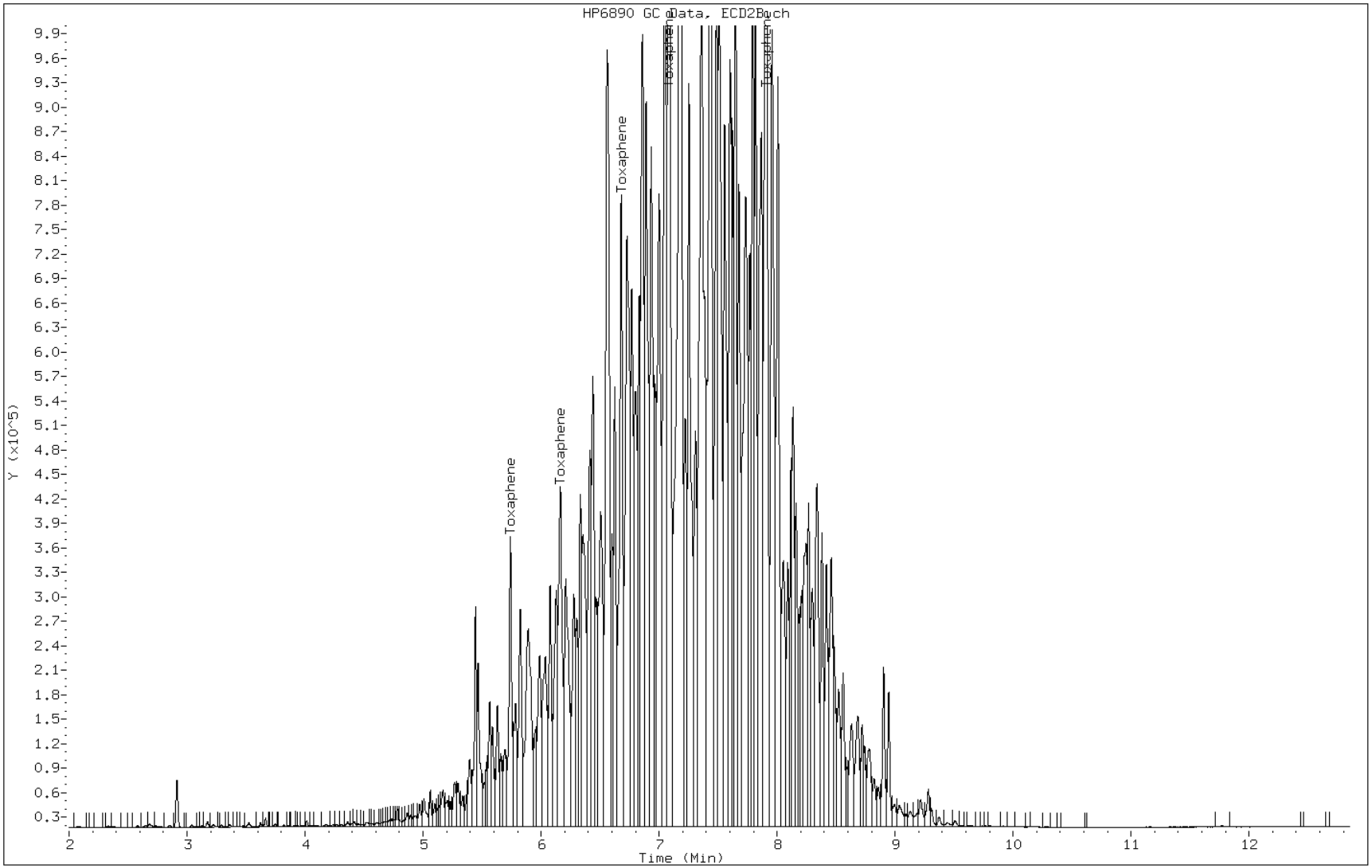
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: 03210024.D

Date: 21-MAR-2012 18:17

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160140 TOX6 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210025.D
Lab Smp Id: IC-1160139 TOX5
Inj Date : 21-MAR-2012 18:34
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160139 TOX5
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:26 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 18:17 Cal File: 03210024.D
Als bottle: 19 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
13 Toxaphene					CAS #: 8001-35-2		
5.740	5.740	0.000	277047	5000.00	4924.2	80.00- 120.00	100.00(A)
6.164	6.163	0.001	462683	5000.00	4989.4	133.60- 200.41	167.01
6.678	6.678	0.000	736038	5000.00	5005.7	212.54- 318.81	265.67
7.083	7.083	0.000	1596299	5000.00	4944.5	460.95- 691.42	576.18
7.907	7.908	-0.001	1638775	5000.00	5020.6	473.21- 709.82	591.52
		Average of Peak Amounts =			4976.88		

QC Flag Legend

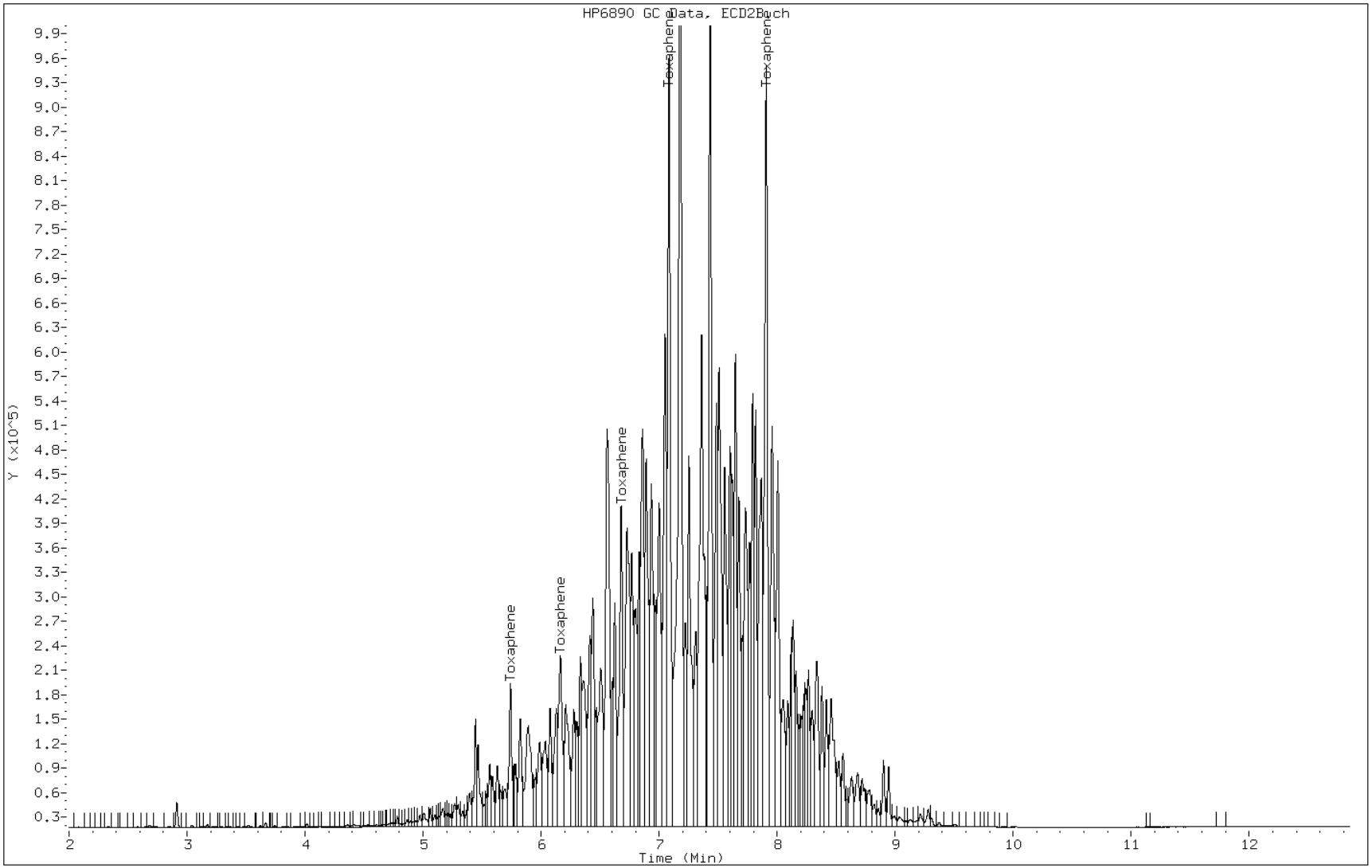
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: 03210025.D

Date: 21-MAR-2012 18:34

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160139 TOX5 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210026.D
Lab Smp Id: IC-1160137 TOX4
Inj Date : 21-MAR-2012 18:51
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160137 TOX4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:26 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 20:15 Cal File: 03210031.D
Als bottle: 20 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
13 Toxaphene					CAS #: 8001-35-2		
5.740	5.740	0.000	119256	2000.00	2081.6	80.00- 120.00	100.00(A)
6.163	6.163	0.000	193249	2000.00	2055.6	129.64- 194.45	162.05
6.678	6.678	0.000	309843	2000.00	2090.3	207.85- 311.78	259.81
7.082	7.083	-0.001	690868	2000.00	2128.3	463.45- 695.18	579.32
7.907	7.908	-0.001	682029	2000.00	2089.3	457.52- 686.28	571.90
Average of Peak Amounts =					2089.02		

QC Flag Legend

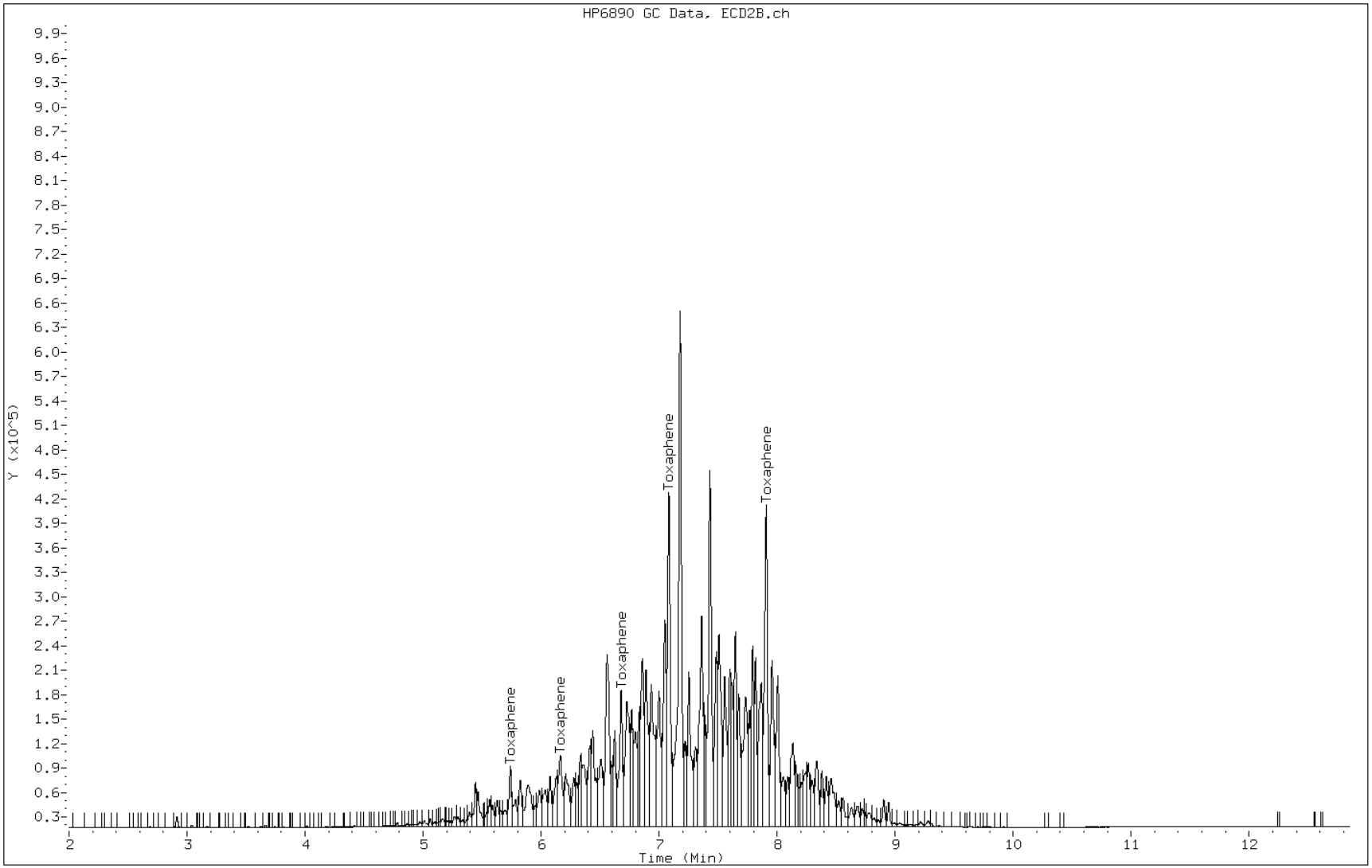
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: 03210026.D

Date: 21-MAR-2012 18:51

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160137 TOX4 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210027.D
Lab Smp Id: IC-1160136 TOX3
Inj Date : 21-MAR-2012 19:08
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160136 TOX3
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:26 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 20:31 Cal File: 03210032.D
Als bottle: 21 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

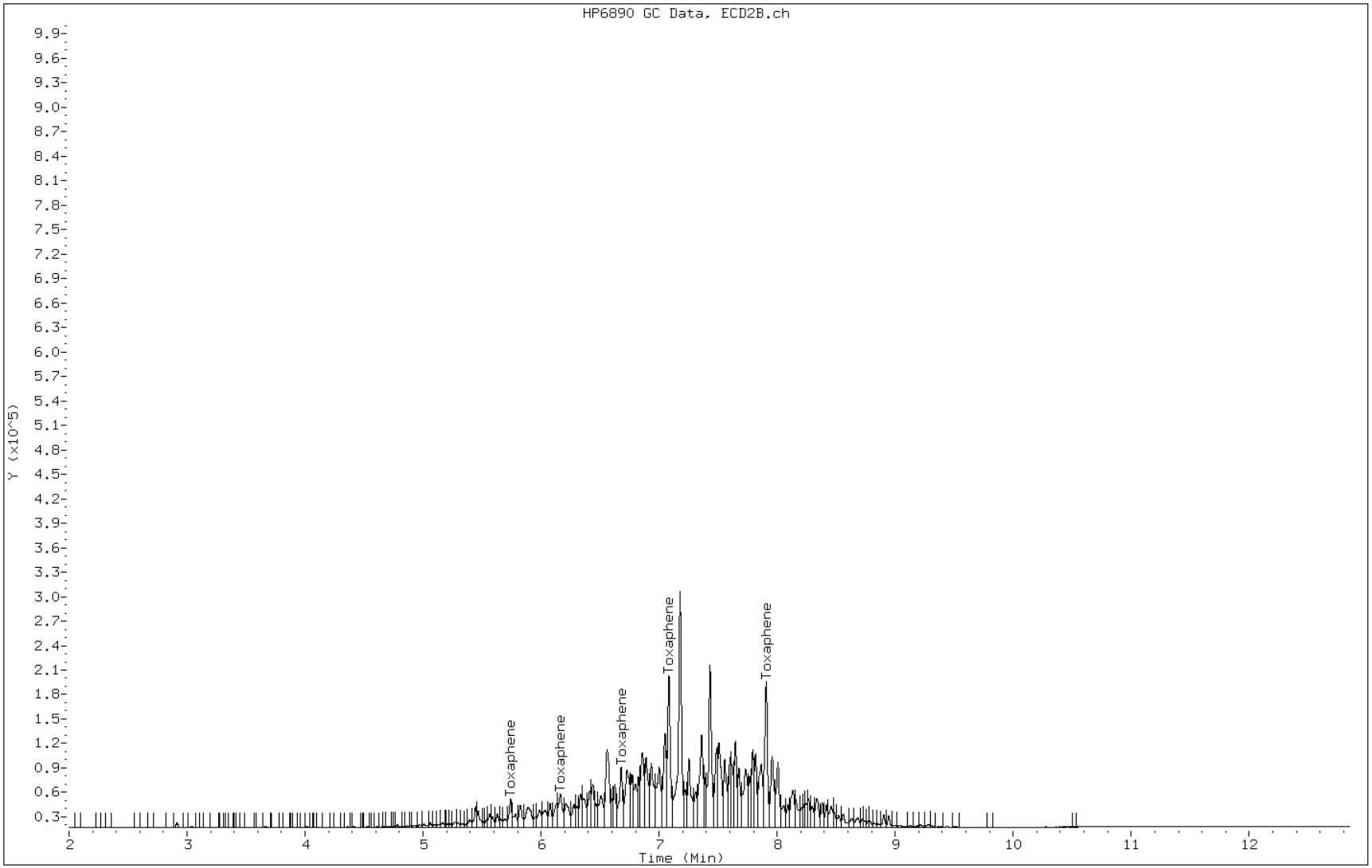
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
13 Toxaphene					CAS #: 8001-35-2		
5.740	5.740	0.000	56263	1000.00	946.83	80.00- 120.00	100.00
6.163	6.163	0.000	91823	1000.00	951.27	130.56- 195.84	163.20
6.678	6.678	0.000	140665	1000.00	933.04	200.01- 300.02	250.01
7.083	7.083	0.000	308683	1000.00	939.62	438.91- 658.37	548.64
7.908	7.908	0.000	301251	1000.00	922.68	428.35- 642.52	535.43
Average of Peak Amounts =					938.688		

Data File: 03210027.D

Date: 21-MAR-2012 19:08

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160136 TOX3 Operator: DW



TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210028.D
Lab Smp Id: IC-1160134 TOX2
Inj Date : 21-MAR-2012 19:24
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160134 TOX2
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:26 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 20:48 Cal File: 03210033.D
Als bottle: 22 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
13 Toxaphene					CAS #: 8001-35-2		
5.740	5.740	0.000	32717	500.000	522.65	80.00- 120.00	100.00(M)
6.163	6.163	0.000	51679	500.000	514.17	126.37- 189.55	157.96
6.677	6.678	-0.001	78896	500.000	510.51	192.92- 289.38	241.15
7.082	7.083	-0.001	171981	500.000	514.44	420.53- 630.79	525.66
7.907	7.908	-0.001	165384	500.000	506.41	404.40- 606.60	505.50
Average of Peak Amounts =					513.636		

QC Flag Legend

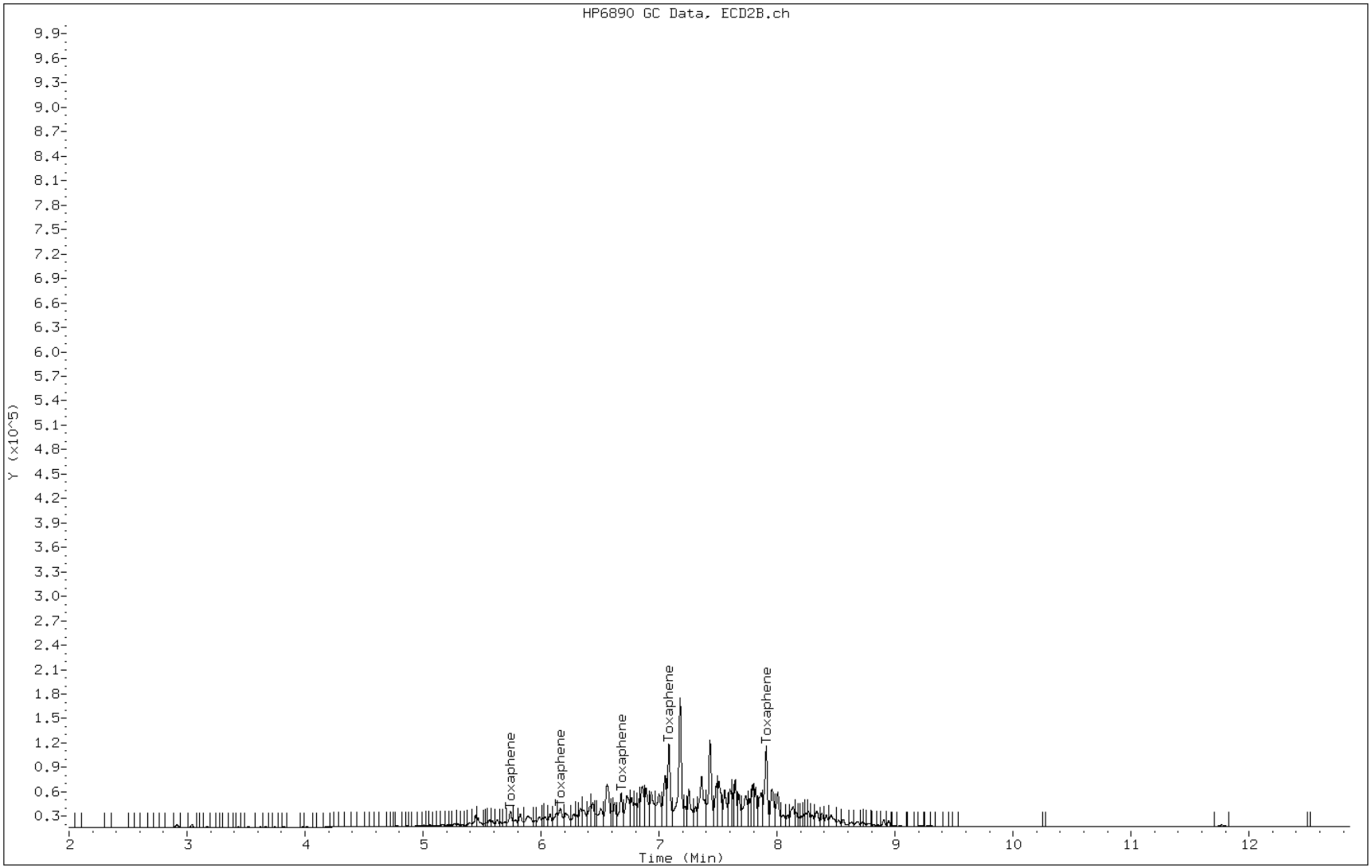
M - Compound response manually integrated.

Data File: 03210028.D

Date: 21-MAR-2012 19:24

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160134 TOX2 Operator: DW



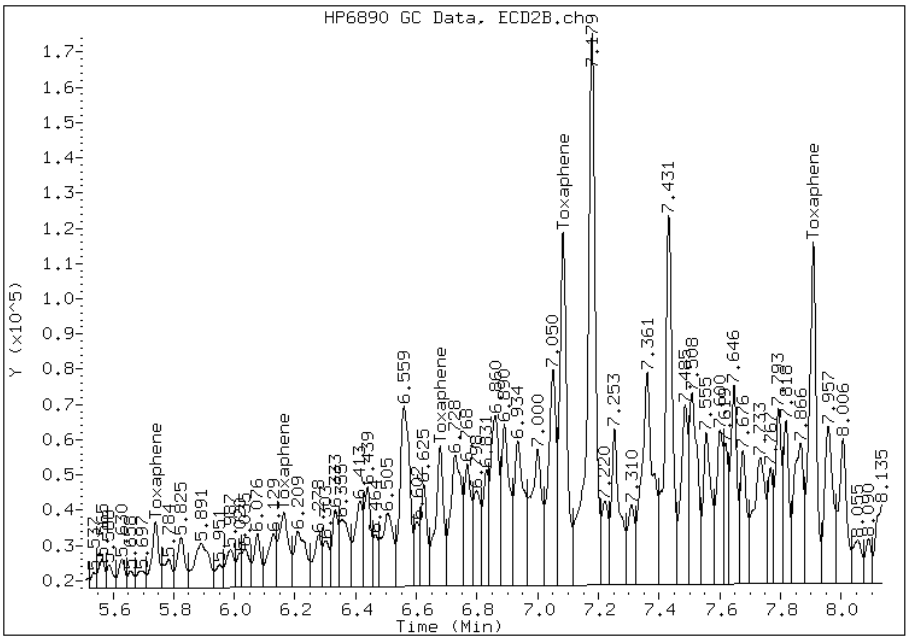
Manual Integration Report

Data File: 03210028.D
Inj. Date and Time: 21-MAR-2012 19:24
Instrument ID: GC_P1.i
Client ID:
Compound: 13 Toxaphene
CAS #: 8001-35-2
Report Date: 03/22/2012

Processing Integration Results

RT	Response	Conc
5.74	30155*	502.13
6.16	47941*	502.36
6.68	74116*	505.62
7.08	166059*	505.46
7.91	158240*	509.26

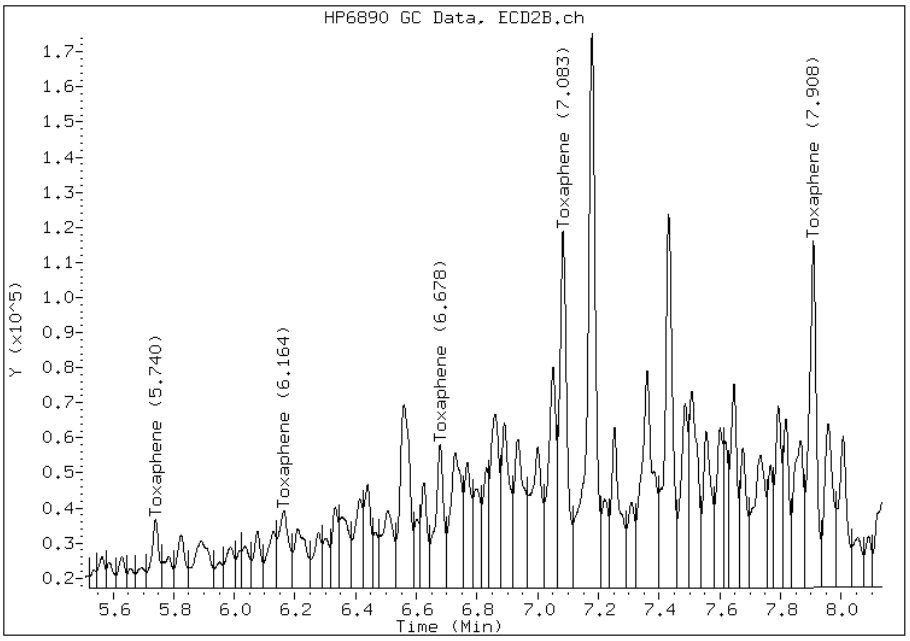
Final Conc		504.96



Manual Integration Results

RT	Response	Conc
5.74	32717*	522.65
6.16	51679*	514.17
6.68	78896*	510.51
7.08	171981*	514.44
7.91	165384*	506.41

Final Conc		513.64



Manually Integrated By: pavlakoa
Modification Date: 22-Mar-2012 13:04
Manual Integration Reason: Baseline Event

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210029.D
Lab Smp Id: IC-1160132 TOX1
Inj Date : 21-MAR-2012 19:41
Operator : DW Inst ID: GC_P1.i
Smp Info : IC-1160132 TOX1
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:26 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 21:05 Cal File: 03210034.D
Als bottle: 23 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
13 Toxaphene					CAS #: 8001-35-2		
5.740	5.740	0.000	14688	200.000	197.86	80.00- 120.00	100.00(M)
6.163	6.163	0.000	22749	200.000	199.16	123.91- 185.86	154.88
6.679	6.678	0.001	33520	200.000	200.12	182.57- 273.86	228.21
7.083	7.083	0.000	70569	200.000	199.01	384.36- 576.54	480.45
7.908	7.908	0.000	65744	200.000	201.13	358.08- 537.12	447.60
Average of Peak Amounts =					199.456		

QC Flag Legend

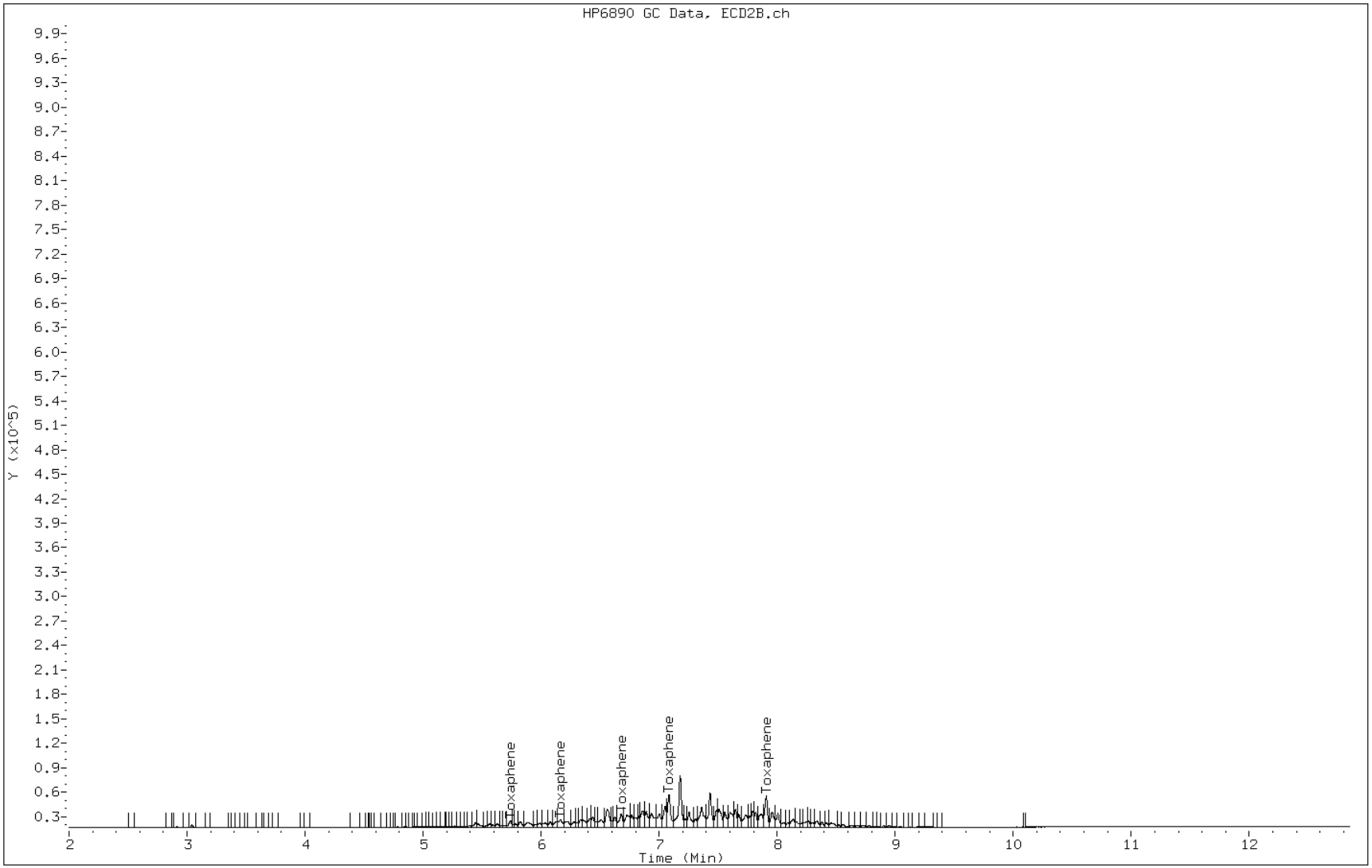
M - Compound response manually integrated.

Data File: 03210029.D

Date: 21-MAR-2012 19:41

Client ID: Instrument: GC_P1.i

Sample Info: IC-1160132 TOX1 Operator: DW



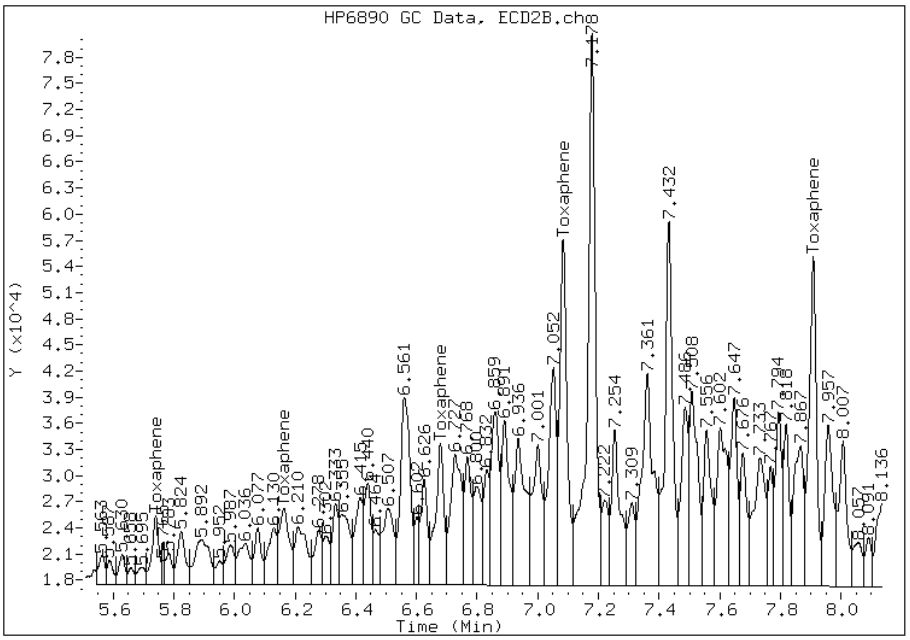
Manual Integration Report

Data File: 03210029.D
Inj. Date and Time: 21-MAR-2012 19:41
Instrument ID: GC_P1.i
Client ID:
Compound: 13 Toxaphene
CAS #: 8001-35-2
Report Date: 03/22/2012

Processing Integration Results

RT	Response	Conc
5.74	12588*	198.52
6.16	20477*	200.73
6.68	31364*	201.97
7.08	68420*	200.24
7.91	64333*	203.04

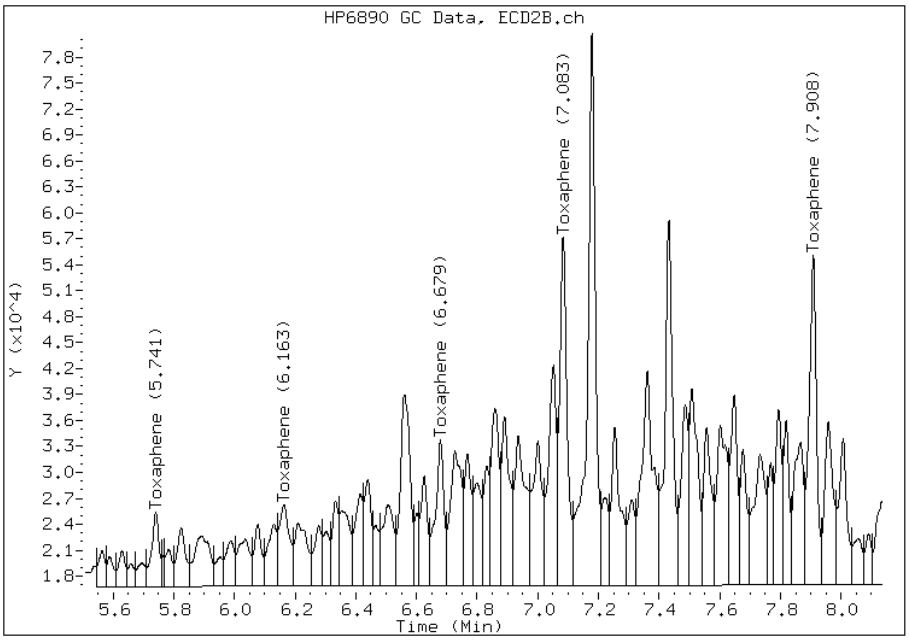
Final Conc		200.90



Manual Integration Results

RT	Response	Conc
5.74	14688*	197.86
6.16	22749*	199.16
6.68	33520*	200.12
7.08	70569*	199.01
7.91	65744*	201.13

Final Conc		199.46



Manually Integrated By: pavlakoa
Modification Date: 22-Mar-2012 13:04
Manual Integration Reason: Baseline Event

FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: PEM 280-114395/1 Calibration Date: 04/05/2012 10:26

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050007.D Conc. Units: ng/mL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.99	223923	9.67	15	
Endrin aldehyde	7.62	6632			
Endrin ketone	8.28	17336			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.32	357266	2.74	15	
4,4'-DDD	7.05	8855			
4,4'-DDE	6.44	1213			

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\04050007.D
Lab Smp Id: PEM-1116803
Inj Date : 05-APR-2012 10:26
Operator : DW Inst ID: GC_P1.i
Smp Info : PEM-1116803
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\P1_8081_1.m
Meth Date : 05-Apr-2012 12:35 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 5-EVALB.sub
Target Version: 4.14
Processing Host: DENPC359

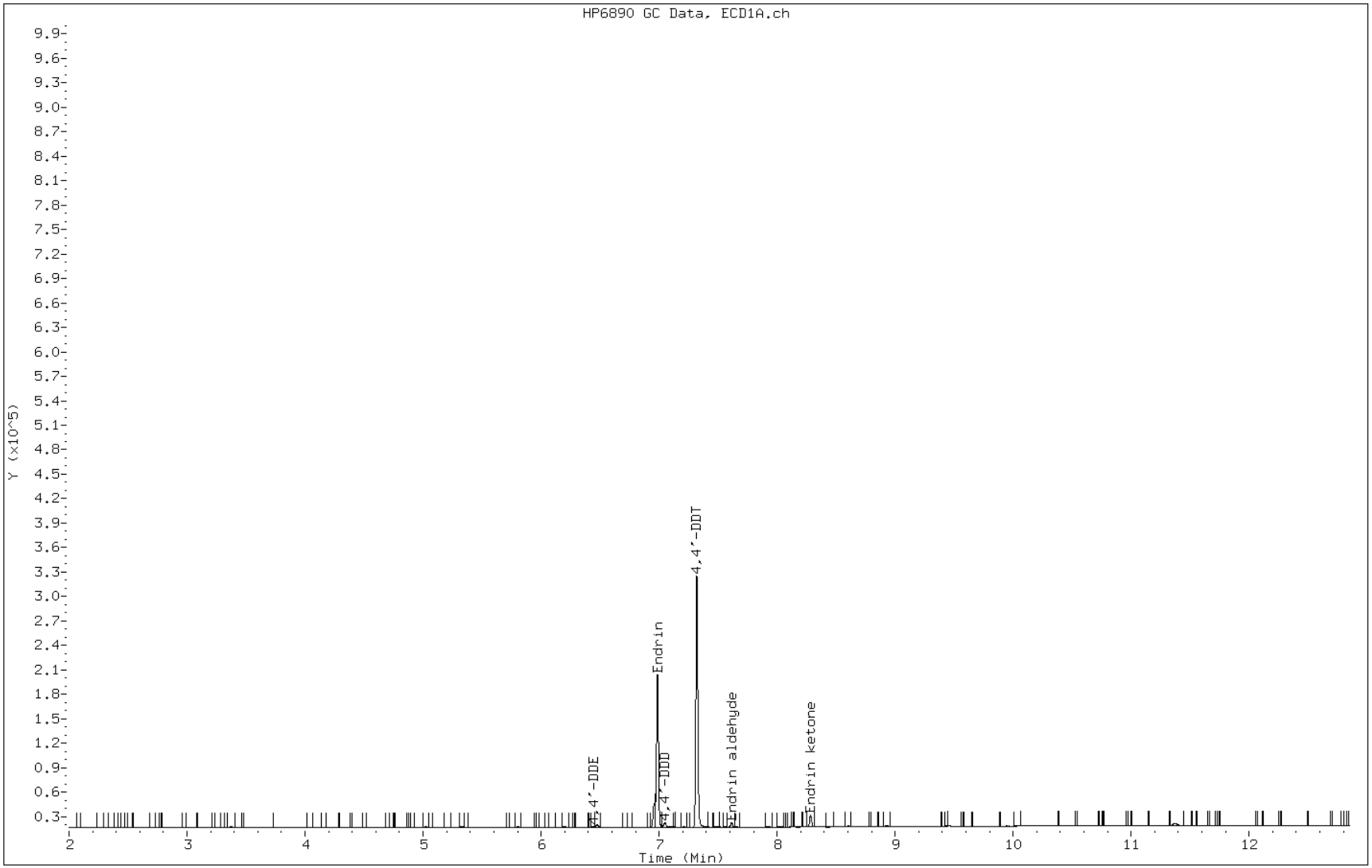
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
20 4,4'-DDE	6.444	6.442	0.002	1213	50.0000	0.061749
25 Endrin	6.986	6.986	0.000	223923	50.0000	25.898
30 4,4'-DDT	7.319	7.321	-0.002	357266	50.0000	40.845
27 4,4'-DDD	7.048	7.047	0.001	8855	50.0000	
31 Endrin aldehyde	7.615	7.613	0.002	6632	50.0000	0.069085
35 Endrin ketone	8.283	8.284	-0.001	17336	50.0000	1.0786

Data File: 04050007.D

Date: 05-APR-2012 10:26

Client ID: Instrument: GC_P1.i

Sample Info: PEM-1116803 Operator: DW



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: PEM 280-114395/1 Calibration Date: 04/05/2012 10:26

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050007.D Conc. Units: ng/mL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.89	223832	10.68	15	
Endrin aldehyde	7.42	7768			
Endrin ketone	8.17	18998			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.31	431786	2.28	15	
4,4'-DDD	7.00	7976			
4,4'-DDE	6.42	2113			

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\04050007.D
Lab Smp Id: PEM-1116803
Inj Date : 05-APR-2012 10:26
Operator : DW Inst ID: GC_P1.i
Smp Info : PEM-1116803
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\P1_8081_2.m
Meth Date : 05-Apr-2012 13:19 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 5-EVALB.sub
Target Version: 4.14
Processing Host: DENPC359

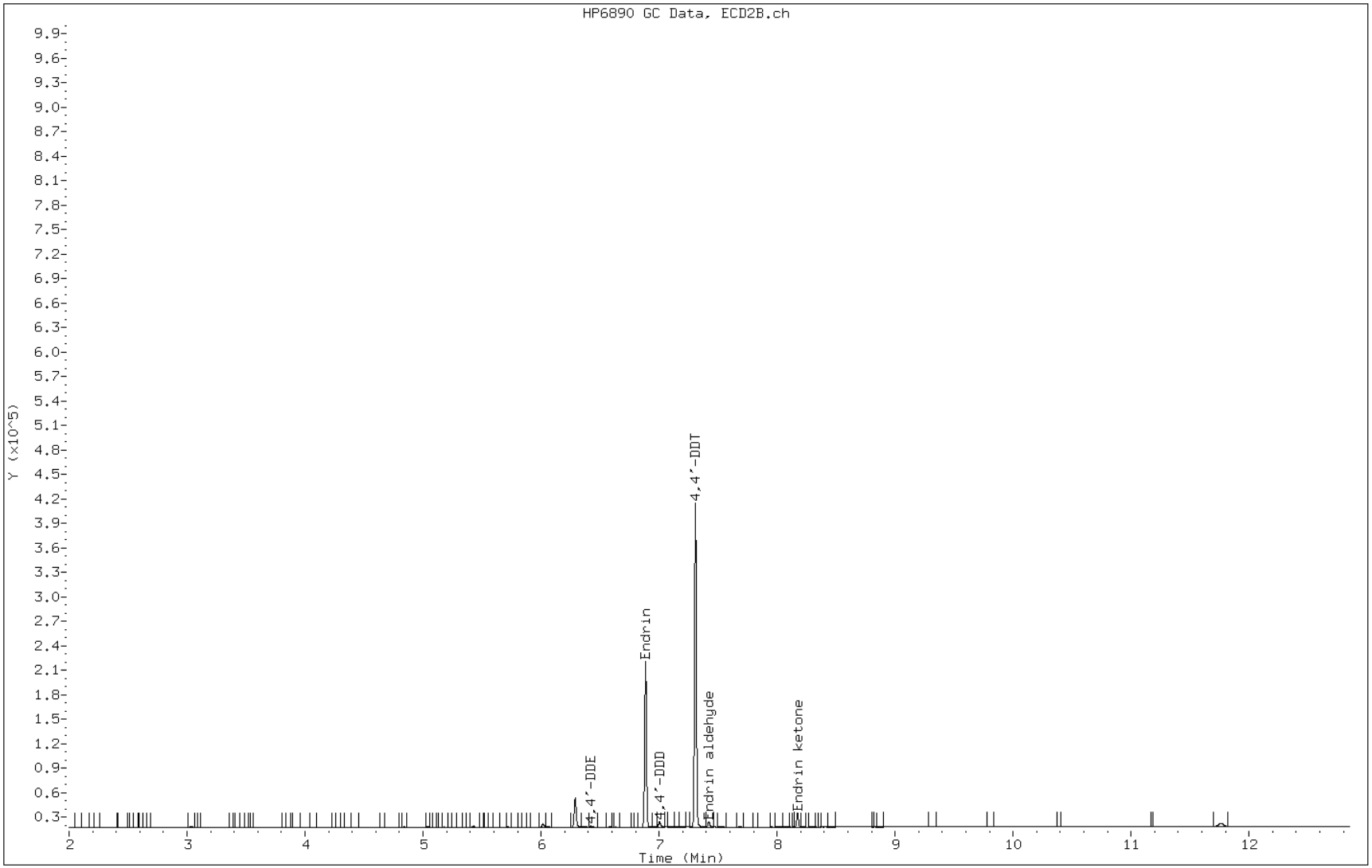
					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
21 4,4'-DDE	6.424	6.423	0.001	2113	50.0000	0.17182
25 Endrin	6.885	6.884	0.001	223832	50.0000	23.792
30 4,4'-DDT	7.308	7.308	0.000	431786	50.0000	49.124
28 4,4'-DDD	7.004	7.003	0.001	7976	50.0000	0.16544
31 Endrin aldehyde	7.422	7.421	0.001	7768	50.0000	0.25649
35 Endrin ketone	8.173	8.173	0.000	18998	50.0000	1.1411

Data File: 04050007.D

Date: 05-APR-2012 10:26

Client ID: Instrument: GC_P1.i

Sample Info: PEM-1116803 Operator: DW



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: PEM 280-115240/1 Calibration Date: 04/11/2012 10:12

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.99	467127	7.70	15	
Endrin aldehyde	7.62	9890			
Endrin ketone	8.28	29089			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.32	683640	2.77	15	
4,4'-DDD	7.05	15399			
4,4'-DDE	6.44	4083			

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110007.D
Lab Smp Id: PEMa-1116803
Inj Date : 11-APR-2012 10:12
Operator : DW Inst ID: GC_P1.i
Smp Info : PEMa-1116803
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 5-EVALB.sub
Target Version: 4.14
Processing Host: DENPC359

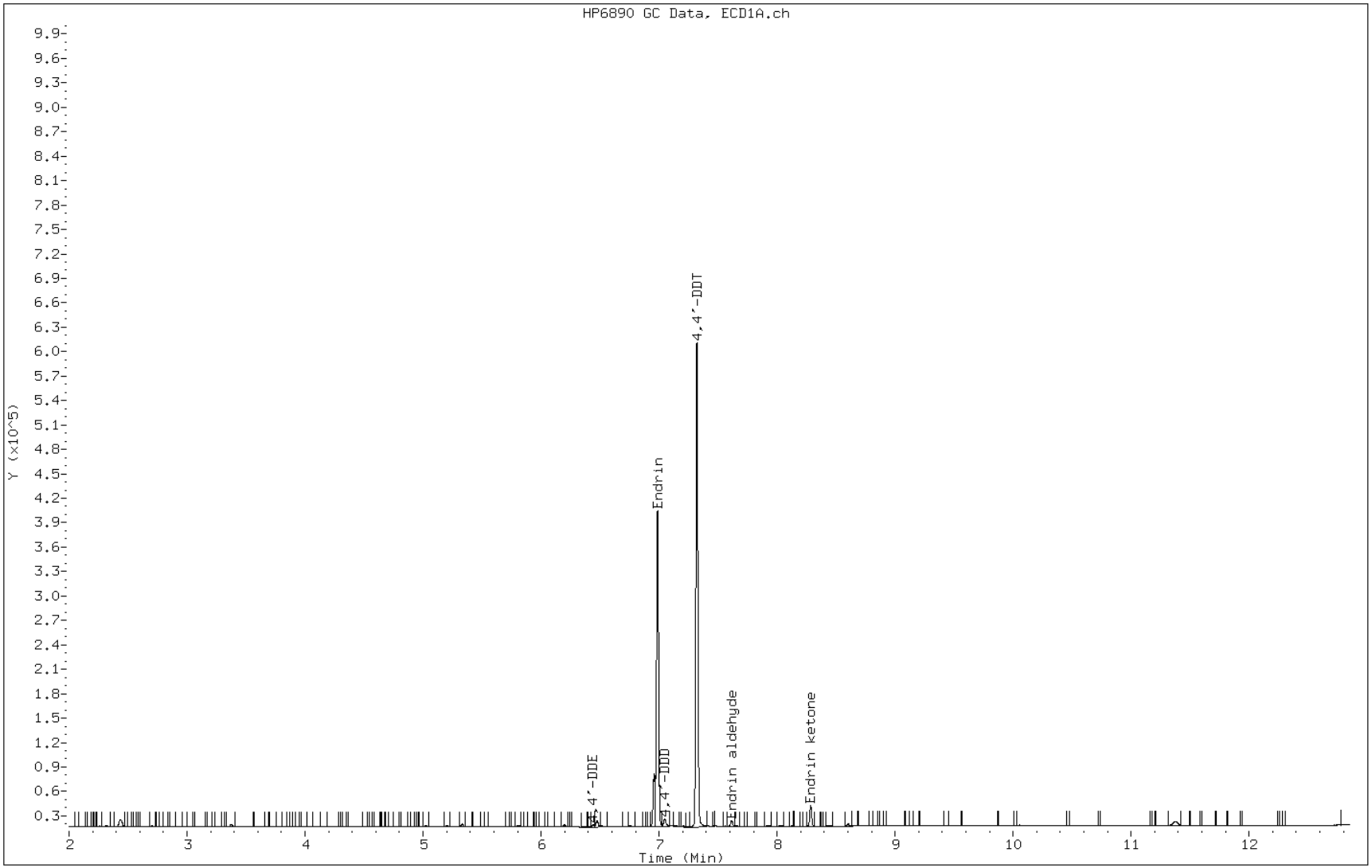
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
20 4,4'-DDE	6.441	6.442	-0.001	4083	50.0000	0.32761
25 Endrin	6.986	6.987	-0.001	467127	50.0000	54.391
30 4,4'-DDT	7.320	7.322	-0.002	683640	50.0000	78.312
27 4,4'-DDD	7.047	7.048	-0.001	15399	50.0000	
31 Endrin aldehyde	7.615	7.615	0.000	9890	50.0000	0.47211
35 Endrin ketone	8.284	8.285	-0.001	29089	50.0000	2.2440

Data File: 04110007.D

Date: 11-APR-2012 10:12

Client ID: Instrument: GC_P1.i

Sample Info: PEMa-1116803 Operator: DW



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: PEM 280-115240/1 Calibration Date: 04/11/2012 10:12

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.89	417952	8.94	15	
Endrin aldehyde	7.42	10455			
Endrin ketone	8.17	30593			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.31	790977	2.12	15	
4,4'-DDD	7.00	13273			
4,4'-DDE	6.42	3822			

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110007.D
Lab Smp Id: PEMa-1116803
Inj Date : 11-APR-2012 10:12
Operator : DW Inst ID: GC_P1.i
Smp Info : PEMa-1116803
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 5-EVALB.sub
Target Version: 4.14
Processing Host: DENPC359

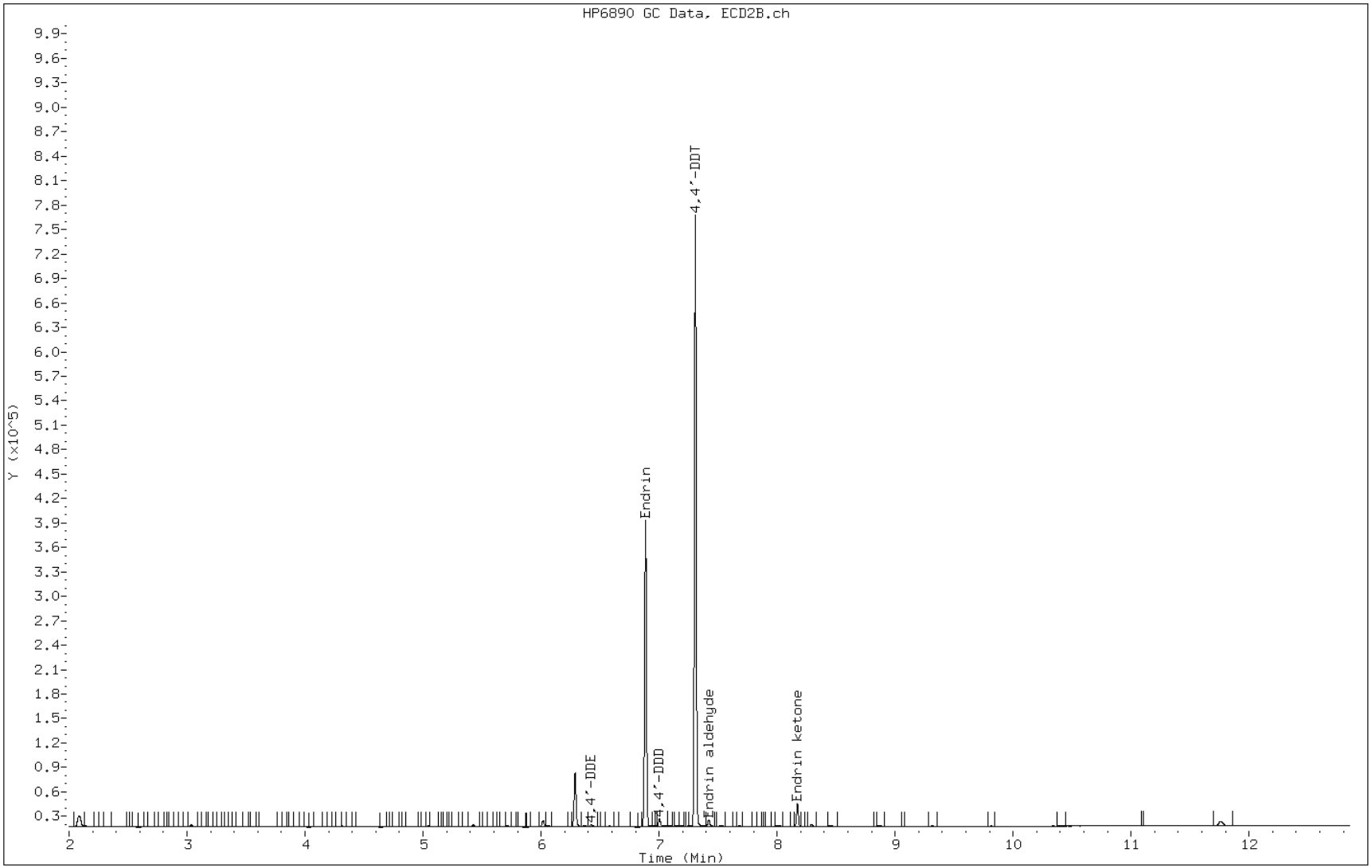
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
21 4,4'-DDE	6.423	6.423	0.000	3822	50.0000	0.31078
25 Endrin	6.885	6.886	-0.001	417952	50.0000	44.876
30 4,4'-DDT	7.307	7.308	-0.001	790977	50.0000	89.963
28 4,4'-DDD	7.002	7.003	-0.001	13273	50.0000	0.74568
31 Endrin aldehyde	7.421	7.421	0.000	10455	50.0000	0.55082
35 Endrin ketone	8.172	8.173	-0.001	30593	50.0000	2.1942

Data File: 04110007.D

Date: 11-APR-2012 10:12

Client ID: Instrument: GC_P1.i

Sample Info: PEMa-1116803 Operator: DW



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: PEM 280-115801/1 Calibration Date: 04/16/2012 10:50

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.99	300932	9.48	15	
Endrin aldehyde	7.61	9302			
Endrin ketone	8.28	22226			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.32	467131	2.54	15	
4,4'-DDD	7.05	10124			
4,4'-DDE	6.44	2072			

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160007.D
Lab Smp Id: PEMb-1116803
Inj Date : 16-APR-2012 10:50
Operator : DW Inst ID: GC_P1.i
Smp Info : PEMb-1116803
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 5-EVALB.sub
Target Version: 4.14
Processing Host: DENPC359

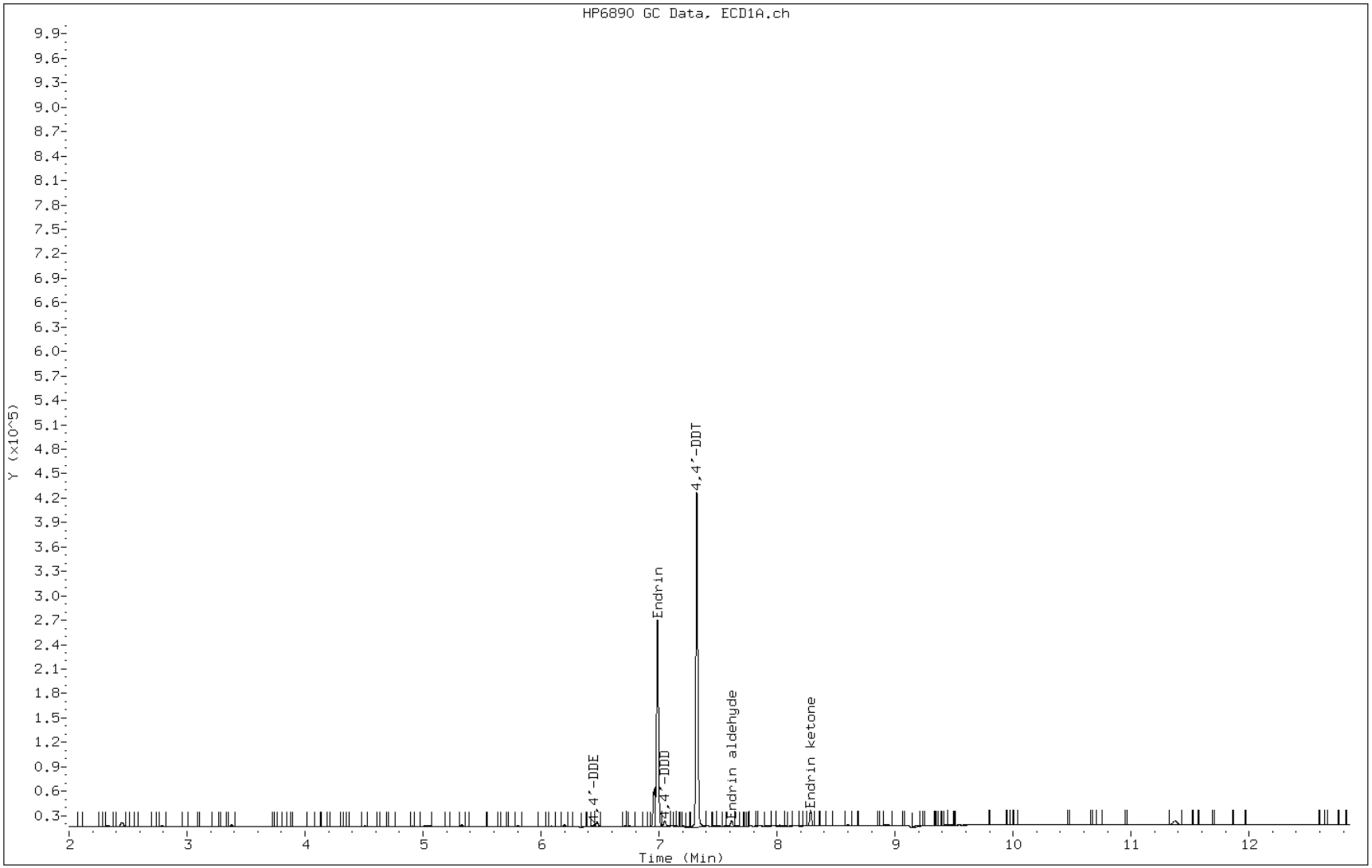
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
20 4,4'-DDE	6.442	6.440	0.002	2072	50.0000	0.14132
25 Endrin	6.987	6.985	0.002	300932	50.0000	34.920
30 4,4'-DDT	7.319	7.320	-0.001	467131	50.0000	53.458
27 4,4'-DDD	7.047	7.045	0.002	10124	50.0000	
31 Endrin aldehyde	7.614	7.612	0.002	9302	50.0000	0.39937
35 Endrin ketone	8.283	8.282	0.001	22226	50.0000	1.5635

Data File: 04160007.D

Date: 16-APR-2012 10:50

Client ID: Instrument: GC_P1.i

Sample Info: PEMb-1116803 Operator: DW



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: PEM 280-115801/1 Calibration Date: 04/16/2012 10:50

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.88	274837	10.66	15	
Endrin aldehyde	7.42	10373			
Endrin ketone	8.17	22429			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.30	514143	2.46	15	
4,4'-DDD	7.00	9207			
4,4'-DDE	6.42	3738			

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416122b.b\04160007.D
Lab Smp Id: PEMb-1116803
Inj Date : 16-APR-2012 10:50
Operator : DW Inst ID: GC_P1.i
Smp Info : PEMb-1116803
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416122b.b\P1_8081_2.m
Meth Date : 17-Apr-2012 11:58 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 5-EVALB.sub
Target Version: 4.14
Processing Host: DENPC359

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
21 4,4'-DDE	6.422	6.421	0.001	3738	50.0000	0.30395
25 Endrin	6.883	6.883	0.000	274837	50.0000	29.332
30 4,4'-DDT	7.304	7.306	-0.002	514143	50.0000	58.488
28 4,4'-DDD	7.002	7.001	0.001	9207	50.0000	0.30041
31 Endrin aldehyde	7.419	7.419	0.000	10373	50.0000	0.54184
35 Endrin ketone	8.171	8.170	0.001	22429	50.0000	1.4527

Data File: 04160007.D

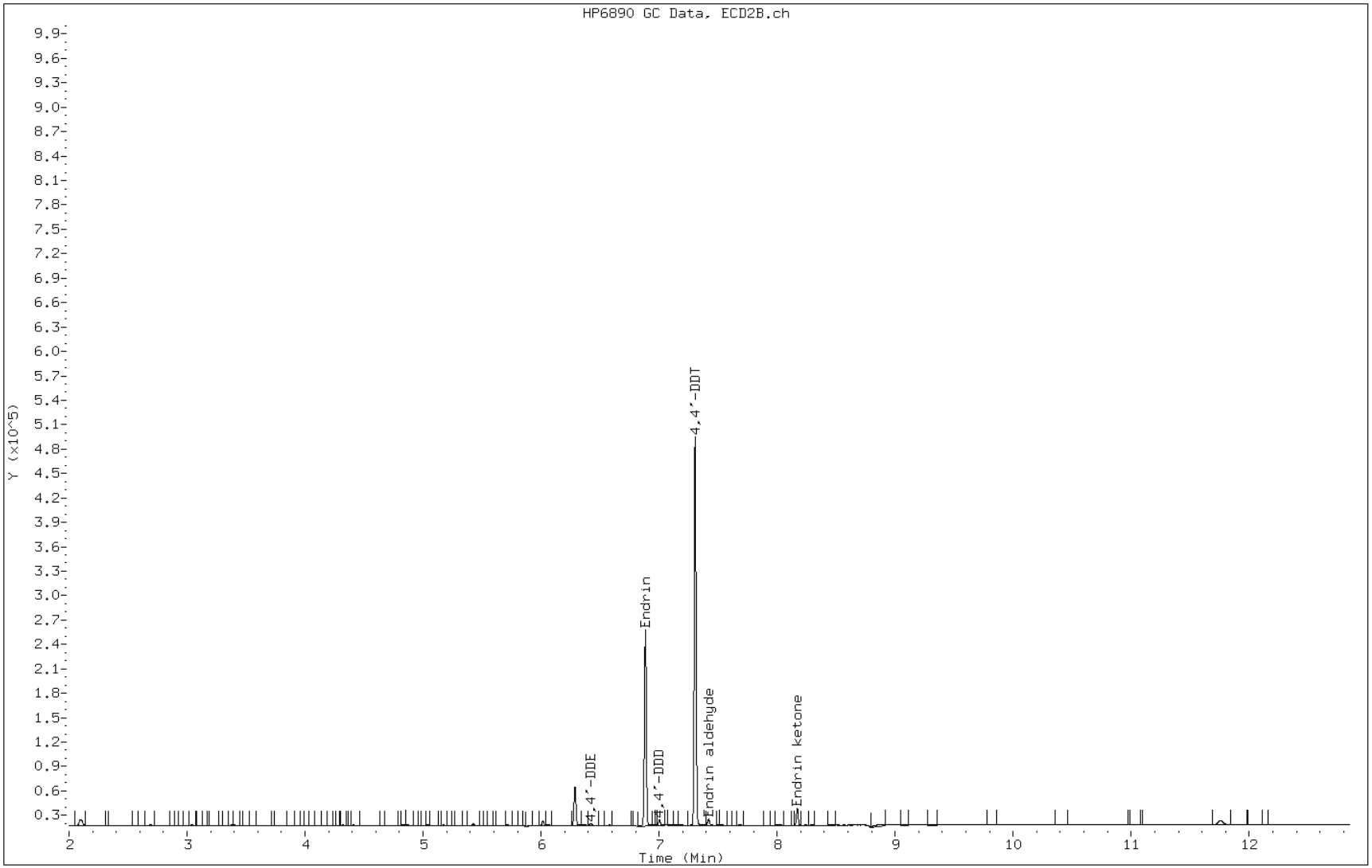
Date: 16-APR-2012 10:50

Client ID:

Instrument: GC_P1.i

Sample Info: PEMb-1116803

Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-112708/15 Calibration Date: 03/21/2012 18:01

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 03210023.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	14539	14542		25.0	25.0	0.0	20.0
gamma-BHC (Lindane)	Ave	13096	13047		24.9	25.0	-0.4	20.0
beta-BHC	Lin2	5674	5560		25.1	25.0	0.4	20.0
delta-BHC	Ave	13122	13047		24.9	25.0	-0.6	20.0
Heptachlor	Lin2	12181	12096		25.0	25.0	0.2	20.0
Aldrin	Ave	12114	12268		25.3	25.0	1.3	20.0
Heptachlor epoxide	Lin2	11177	11098		25.2	25.0	0.8	20.0
gamma-Chlordane	Lin2	11508	11375		24.9	25.0	-0.3	20.0
alpha-Chlordane	Lin2	11063	10973		25.0	25.0	0.1	20.0
4,4'-DDE	Lin2	10825	10755		24.9	25.0	-0.6	20.0
Endosulfan I	Lin2	10580	10555		25.4	25.0	1.5	20.0
Dieldrin	Lin2	11230	11431		25.6	25.0	2.6	20.0
Endrin	Lin2	8733	9695		28.1	25.0	12.2	20.0
4,4'-DDD	Qua	11727	9690		23.2	25.0	-7.1	20.0
Endosulfan II	Lin2	9919	9765		25.0	25.0	0.0	20.0
4,4'-DDT	Lin2	8812	8777		25.0	25.0	0.0	20.0
Endrin aldehyde	Lin2	8507	7889		23.6	25.0	-5.4	20.0
Methoxychlor	Lin2	4447	4272		24.6	25.0	-1.4	20.0
Endosulfan sulfate	Lin2	9135	8733		24.5	25.0	-2.1	20.0
Endrin ketone	Lin2	10532	10540		25.5	25.0	1.9	20.0
Tetrachloro-m-xylene	Lin2	10194	9810		24.4	25.0	-2.3	15.0
DCB Decachlorobiphenyl	Lin2	7562	7490		25.6	25.0	2.4	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-112708/15 Calibration Date: 03/21/2012 18:01

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 03210023.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.51	4.49	4.52
gamma-BHC (Lindane)	4.80	4.79	4.81
beta-BHC	4.88	4.87	4.89
delta-BHC	5.03	5.02	5.04
Heptachlor	5.21	5.20	5.22
Aldrin	5.48	5.47	5.49
Heptachlor epoxide	6.09	6.08	6.10
gamma-Chlordane	6.22	6.21	6.24
alpha-Chlordane	6.36	6.35	6.38
4,4'-DDE	6.44	6.43	6.45
Endosulfan I	6.51	6.49	6.52
Dieldrin	6.75	6.74	6.77
Endrin	6.99	6.97	7.00
4,4'-DDD	7.05	7.03	7.06
Endosulfan II	7.21	7.20	7.22
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.61	7.60	7.63
Methoxychlor	7.78	7.77	7.79
Endosulfan sulfate	8.02	8.01	8.04
Endrin ketone	8.28	8.27	8.30
Tetrachloro-m-xylene	3.92	3.91	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.23

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210023.D
Lab Smp Id: ICV-1028344
Inj Date : 21-MAR-2012 18:01
Operator : DW Inst ID: GC_P1.i
Smp Info : ICV-1028344, AB3
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 11:34 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 17:44 Cal File: 03210022.D
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14

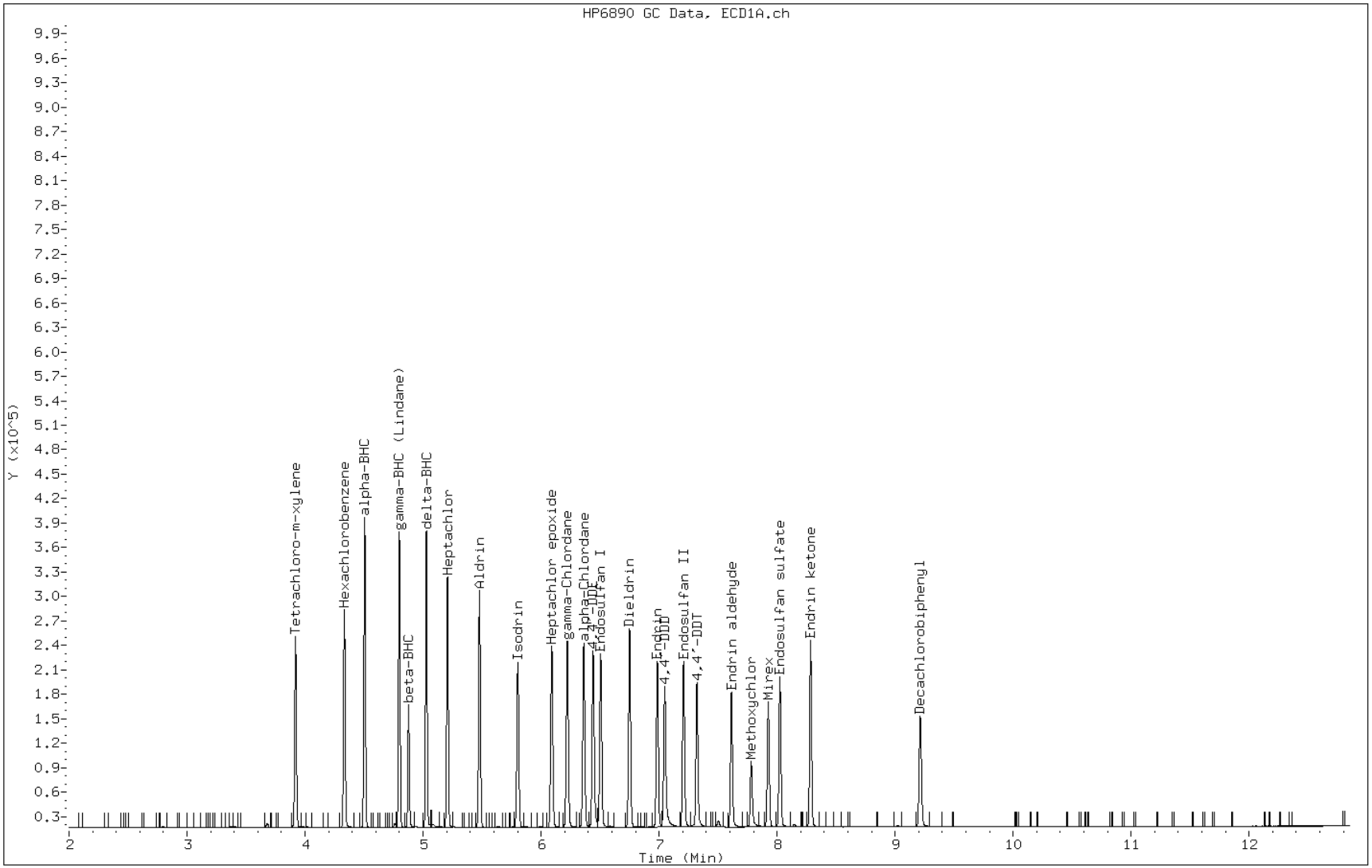
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.919	3.920	-0.001	245262	25.0000	24.421
	3 Hexachlorobenzene	4.332	4.333	-0.001	266890	25.0000	25.670
	5 alpha-BHC	4.505	4.506	-0.001	363541	25.0000	25.005
	6 gamma-BHC (Lindane)	4.798	4.799	-0.001	326170	25.0000	24.905
	7 beta-BHC	4.877	4.879	-0.002	138996	25.0000	25.090
	8 delta-BHC	5.027	5.029	-0.002	326178	25.0000	24.857
	10 Heptachlor	5.207	5.208	-0.001	302391	25.0000	25.038
	11 Aldrin	5.477	5.479	-0.002	306703	25.0000	25.318
	13 Isodrin	5.802	5.804	-0.002	242222	25.0000	22.737
	15 Heptachlor epoxide	6.090	6.091	-0.001	277450	25.0000	25.203
	18 gamma-Chlordane	6.222	6.223	-0.001	284369	25.0000	24.915
	19 alpha-Chlordane	6.362	6.364	-0.002	274323	25.0000	25.024
	20 4,4'-DDE	6.441	6.441	0.000	268866	25.0000	24.855
	21 Endosulfan I	6.505	6.506	-0.001	263883	25.0000	25.366
	23 Dieldrin	6.750	6.752	-0.002	285769	25.0000	25.648
	25 Endrin	6.985	6.986	-0.001	242382	25.0000	28.061
	27 4,4'-DDD	7.047	7.047	0.000	242238	25.0000	23.228
	29 Endosulfan II	7.207	7.208	-0.001	244136	25.0000	25.013
	30 4,4'-DDT	7.321	7.321	0.000	219424	25.0000	25.021
	31 Endrin aldehyde	7.613	7.614	-0.001	197228	25.0000	23.646
	32 Methoxychlor	7.780	7.779	0.001	106799	25.0000	24.644
	33 Mirex	7.926	7.926	0.000	184909	25.0000	25.644
	34 Endosulfan sulfate	8.023	8.023	0.000	218325	25.0000	24.469
	35 Endrin ketone	8.283	8.284	-0.001	263496	25.0000	25.487
$	36 Decachlorobiphenyl	9.212	9.213	-0.001	187238	25.0000	25.599

Data File: 03210023.D

Date: 21-MAR-2012 18:01

Client ID: Instrument: GC_P1.i

Sample Info: ICV-1028344, AB3 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-112708/15 Calibration Date: 03/21/2012 18:01

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 03210023.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	15607	15370		24.6	25.0	-1.5	20.0
gamma-BHC (Lindane)	Lin2	13922	13682		24.5	25.0	-1.8	20.0
beta-BHC	Lin2	5996	5772		24.5	25.0	-1.8	20.0
delta-BHC	Lin2	14001	13764		24.5	25.0	-2.0	20.0
Heptachlor	Lin2	12338	12130		24.8	25.0	-0.8	20.0
Aldrin	Ave	13324	13309		25.0	25.0	-0.1	20.0
Heptachlor epoxide	Lin2	11931	11759		24.8	25.0	-0.8	20.0
gamma-Chlordane	Ave	12801	12434		24.3	25.0	-2.9	20.0
alpha-Chlordane	Ave	12453	12119		24.3	25.0	-2.7	20.0
Endosulfan I	Lin2	11519	11220		24.6	25.0	-1.5	20.0
4,4'-DDE	Ave	12298	11995		24.4	25.0	-2.5	20.0
Dieldrin	Ave	12482	12479		25.0	25.0	-0.0	20.0
Endrin	Lin2	9540	10265		27.4	25.0	9.4	20.0
4,4'-DDD	Qua	10883	9253		23.4	25.0	-6.4	20.0
Endosulfan II	Lin2	11185	10770		24.4	25.0	-2.2	20.0
4,4'-DDT	Lin2	8770	8483		24.1	25.0	-3.4	20.0
Endrin aldehyde	Lin2	9502	8855		23.7	25.0	-5.4	20.0
Endosulfan sulfate	Lin2	10293	9860		24.2	25.0	-3.2	20.0
Methoxychlor	Lin2	4384	4199		24.5	25.0	-2.1	20.0
Endrin ketone	Lin2	11452	11356		25.2	25.0	0.8	20.0
Tetrachloro-m-xylene	Lin2	11033	10519		24.1	25.0	-3.7	15.0
DCB Decachlorobiphenyl	Lin2	8824	8604		25.1	25.0	0.6	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-112708/15 Calibration Date: 03/21/2012 18:01

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 03210023.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.81	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.09	5.07	5.10
Aldrin	5.35	5.34	5.37
Heptachlor epoxide	5.89	5.88	5.91
gamma-Chlordane	6.09	6.08	6.10
alpha-Chlordane	6.24	6.23	6.26
Endosulfan I	6.30	6.29	6.32
4,4'-DDE	6.42	6.41	6.44
Dieldrin	6.58	6.57	6.60
Endrin	6.89	6.87	6.90
4,4'-DDD	7.01	6.99	7.02
Endosulfan II	7.10	7.08	7.11
4,4'-DDT	7.31	7.30	7.32
Endrin aldehyde	7.42	7.41	7.44
Endosulfan sulfate	7.69	7.67	7.70
Methoxychlor	7.96	7.95	7.97
Endrin ketone	8.17	8.16	8.19
Tetrachloro-m-xylene	3.79	3.78	3.80
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\03210023.D
Lab Smp Id: ICV-1028344
Inj Date : 21-MAR-2012 18:01
Operator : DW Inst ID: GC_P1.i
Smp Info : ICV-1028344, AB3
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321122.b\P1_8081_2.m
Meth Date : 22-Mar-2012 13:24 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC356

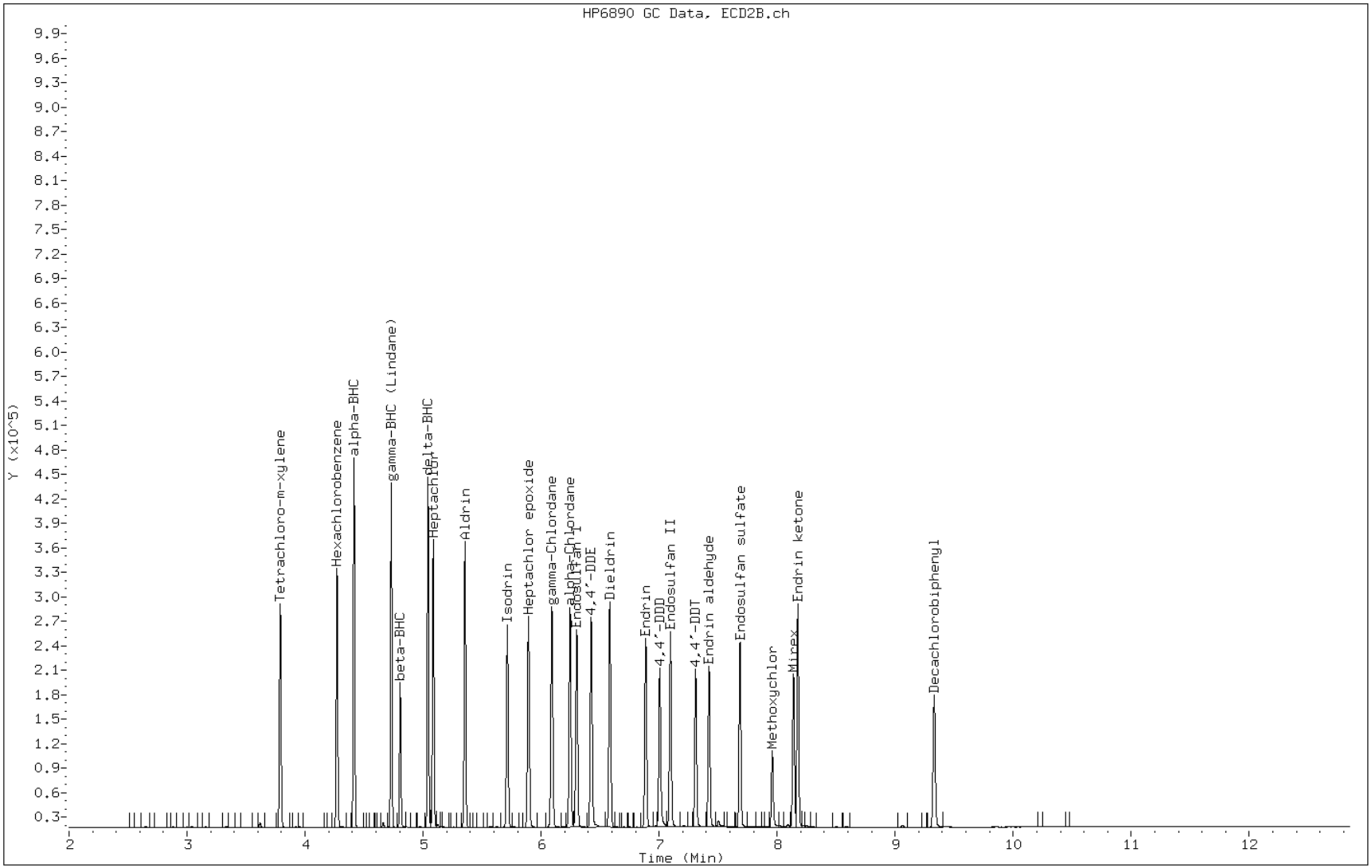
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.789	3.790	-0.001	262980	25.0000	24.081
	4 Hexachlorobenzene	4.270	4.271	-0.001	288098	25.0000	25.454
	5 alpha-BHC	4.414	4.415	-0.001	384257	25.0000	24.620
	6 gamma-BHC (Lindane)	4.730	4.731	-0.001	342048	25.0000	24.540
	7 beta-BHC	4.806	4.806	0.000	144304	25.0000	24.544
	9 delta-BHC	5.041	5.041	0.000	344104	25.0000	24.498
	10 Heptachlor	5.086	5.086	0.000	303251	25.0000	24.800
	11 Aldrin	5.354	5.356	-0.002	332737	25.0000	24.973
	15 Isodrin	5.713	5.715	-0.002	258806	25.0000	22.216
	16 Heptachlor epoxide	5.893	5.894	-0.001	293987	25.0000	24.812
	17 gamma-Chlordane	6.091	6.091	0.000	310852	25.0000	24.284
	19 alpha-Chlordane	6.244	6.246	-0.002	302963	25.0000	24.329
	20 Endosulfan I	6.301	6.302	-0.001	280508	25.0000	24.631
	21 4,4'-DDE	6.424	6.425	-0.001	299882	25.0000	24.384
	22 Dieldrin	6.582	6.583	-0.001	311973	25.0000	24.994
	25 Endrin	6.886	6.887	-0.001	256627	25.0000	27.354
	28 4,4'-DDD	7.005	7.005	0.000	231316	25.0000	23.411
	29 Endosulfan II	7.096	7.095	0.001	269258	25.0000	24.441
	30 4,4'-DDT	7.309	7.310	-0.001	212082	25.0000	24.145
	31 Endrin aldehyde	7.423	7.423	0.000	221381	25.0000	23.655
	32 Endosulfan sulfate	7.685	7.685	0.000	246504	25.0000	24.211
	33 Methoxychlor	7.958	7.959	-0.001	104981	25.0000	24.473
	34 Mirex	8.138	8.138	0.000	205490	25.0000	25.454
	35 Endrin ketone	8.174	8.175	-0.001	283889	25.0000	25.198
$	36 Decachlorobiphenyl	9.330	9.330	0.000	215093	25.0000	25.138

Data File: 03210023.D

Date: 21-MAR-2012 18:01

Client ID: Instrument: GC_P1.i

Sample Info: ICV-1028344, AB3 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-112708/22 Calibration Date: 03/21/2012 19:58

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 03210030.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2	30.30	20.03		658	1000	-34.2*	15.0
Toxaphene Peak 2	Lin2	116.9	47.95		398	1000	-60.2*	15.0
Toxaphene Peak 3	Lin2	154.2	141.4		929	1000	-7.1	15.0
Toxaphene Peak 4	Lin2	235.3	197.0		834	1000	-16.6*	15.0
Toxaphene Peak 5	Lin2	358.6	562.0		1570	1000	56.9*	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-112708/22 Calibration Date: 03/21/2012 19:58

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 03210030.D

Analyte	RT	RT WINDOW	
		TO	FROM
Toxaphene Peak 1	5.65	5.64	5.67
Toxaphene Peak 2	6.34	6.32	6.35
Toxaphene Peak 3	7.07	7.06	7.09
Toxaphene Peak 4	7.64	7.63	7.66
Toxaphene Peak 5	7.93	7.92	7.95

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\03210030.D
Lab Smp Id: ICV-1160141 TOX3
Inj Date : 21-MAR-2012 19:58
Operator : DW Inst ID: GC_P1.i
Smp Info : ICV-1160141 TOX3
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0321121.b\P1_8081_1.m
Meth Date : 22-Mar-2012 13:25 GC_P1.i Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC356

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.651	5.654	-0.003	20028	1000.00	658.27	80.00- 120.00	100.00(M)
6.339	6.337	0.002	47953	1000.00	398.27	191.54- 287.32	239.43
7.074	7.077	-0.003	141372	1000.00	929.17	564.70- 847.05	705.87
7.643	7.643	0.000	197010	1000.00	834.43	786.94-1180.41	983.67
7.930	7.932	-0.002	562012	1000.00	1568.8	2244.91-3367.36	2806.13
Average of Peak Amounts =					877.788		

QC Flag Legend

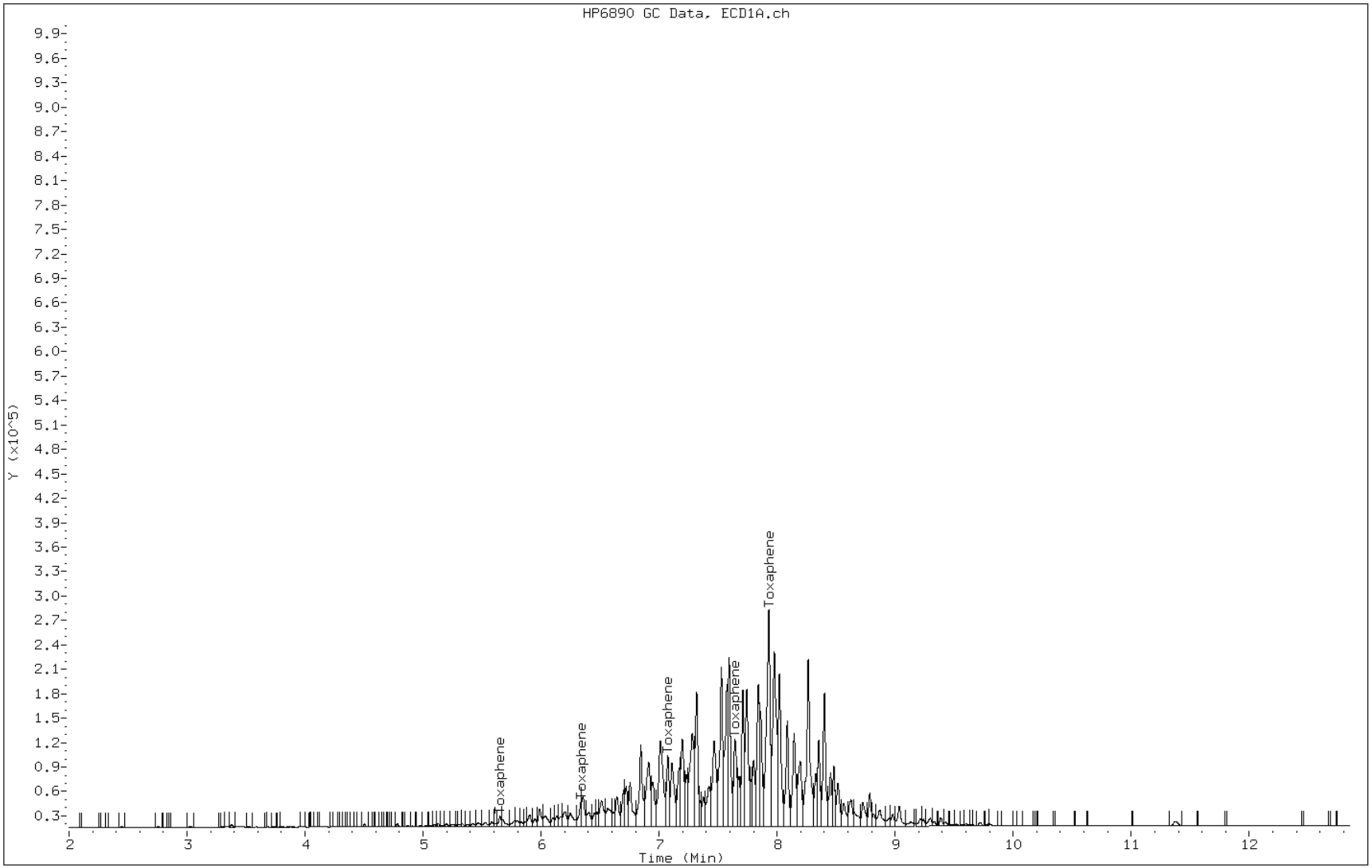
M - Compound response manually integrated.

Data File: 03210030.D

Date: 21-MAR-2012 19:58

Client ID: Instrument: GC_P1.i

Sample Info: ICV-1160141 TOX3 Operator: DW



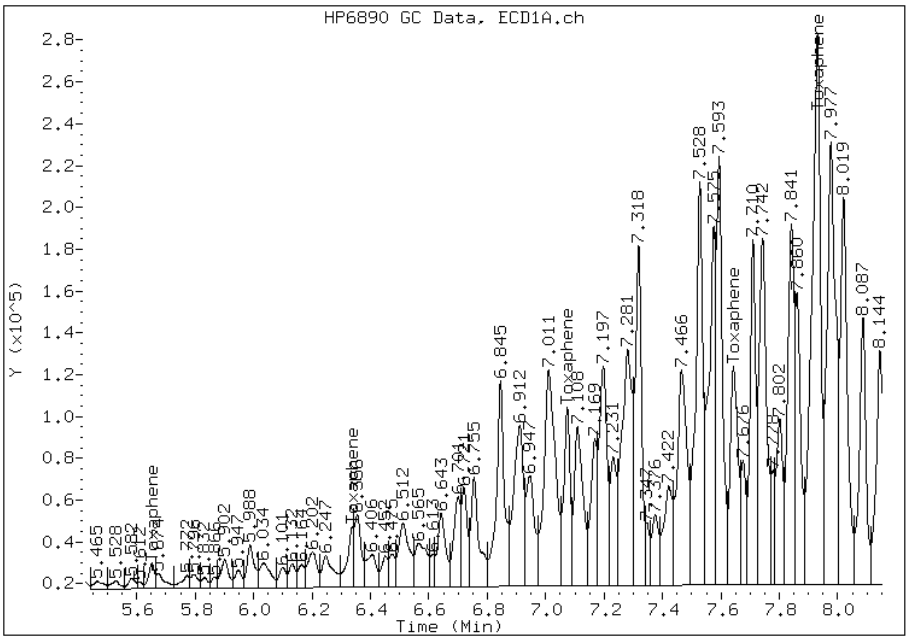
Manual Integration Report

Data File: 03210030.D
Inj. Date and Time: 21-MAR-2012 19:58
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 03/22/2012

Processing Integration Results

RT	Response	Conc
5.65	17256*	559.49
6.34	42855*	352.91
7.07	134776*	883.80
7.64	188711*	799.63
7.93	548952*	1532.26

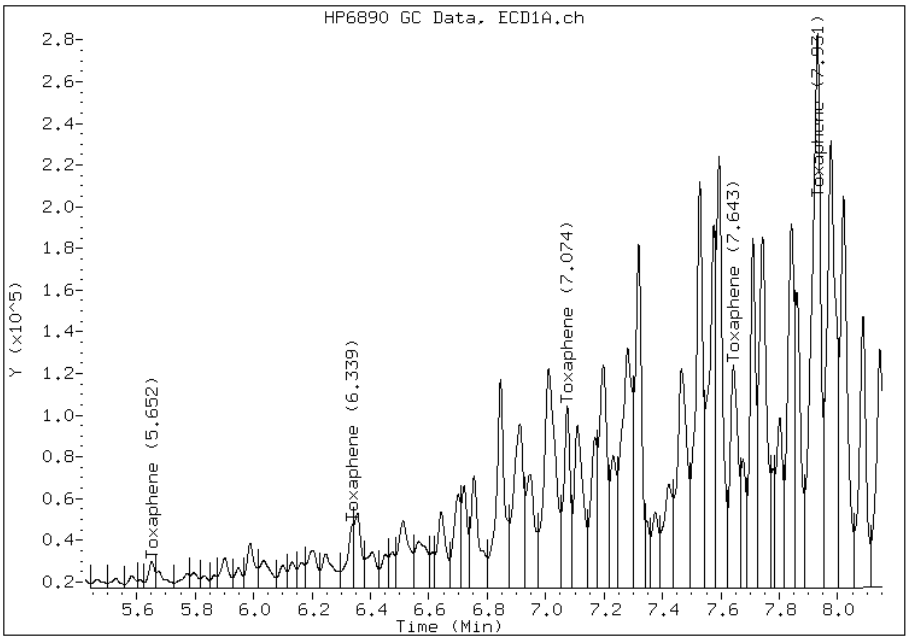
Final Conc		825.62



Manual Integration Results

RT	Response	Conc
5.65	20028*	658.27
6.34	47953*	398.27
7.07	141372*	929.17
7.64	197010*	834.43
7.93	562012*	1568.77

Final Conc		877.78



Manually Integrated By: pavlakoa
Modification Date: 22-Mar-2012 11:00
Manual Integration Reason: Baseline Event

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-114395/3 Calibration Date: 04/05/2012 11:33

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050011.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	14539	12718		43.7	50.0	-12.5	20.0
gamma-BHC (Lindane)	Ave	13096	11352		43.3	50.0	-13.3	20.0
beta-BHC	Lin2	5674	4732		43.3	50.0	-13.4	20.0
delta-BHC	Ave	13122	11488		43.8	50.0	-12.5	20.0
Heptachlor	Lin2	12181	10693		44.5	50.0	-11.0	20.0
Aldrin	Ave	12114	10601		43.8	50.0	-12.5	20.0
Heptachlor epoxide	Lin2	11177	9652		44.2	50.0	-11.5	20.0
gamma-Chlordane	Lin2	11508	10000		44.0	50.0	-11.9	20.0
alpha-Chlordane	Lin2	11063	9753		44.7	50.0	-10.5	20.0
4,4'-DDE	Lin2	10825	9917		45.9	50.0	-8.2	20.0
Endosulfan I	Lin2	10580	9252		44.9	50.0	-10.2	20.0
Dieldrin	Lin2	11230	10137		45.7	50.0	-8.6	20.0
Endrin	Lin2	8733	8370		48.7	50.0	-2.6	20.0
4,4'-DDD	Qua	11727	10585		49.3	50.0	-1.5	20.0
Endosulfan II	Lin2	9919	8775		45.4	50.0	-9.2	20.0
4,4'-DDT	Lin2	8812	8686		49.7	50.0	-0.6	20.0
Endrin aldehyde	Lin2	8507	7527		45.8	50.0	-8.4	20.0
Methoxychlor	Lin2	4447	4723		55.6	50.0	11.2	20.0
Endosulfan sulfate	Lin2	9135	8212		46.7	50.0	-6.5	20.0
Endrin ketone	Lin2	10532	10007		49.0	50.0	-2.1	20.0
Tetrachloro-m-xylene	Lin2	10194	8919		44.8	50.0	-10.3	20.0
DCB Decachlorobiphenyl	Lin2	7562	7202		50.3	50.0	0.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-114395/3 Calibration Date: 04/05/2012 11:33

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050011.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.50	4.49	4.52
gamma-BHC (Lindane)	4.80	4.78	4.81
beta-BHC	4.88	4.86	4.89
delta-BHC	5.03	5.01	5.04
Heptachlor	5.21	5.19	5.22
Aldrin	5.48	5.47	5.49
Heptachlor epoxide	6.09	6.08	6.10
gamma-Chlordane	6.22	6.21	6.24
alpha-Chlordane	6.36	6.35	6.38
4,4'-DDE	6.44	6.43	6.46
Endosulfan I	6.51	6.49	6.52
Dieldrin	6.75	6.74	6.77
Endrin	6.99	6.97	7.00
4,4'-DDD	7.05	7.03	7.06
Endosulfan II	7.21	7.19	7.22
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.61	7.60	7.63
Methoxychlor	7.78	7.77	7.79
Endosulfan sulfate	8.02	8.01	8.04
Endrin ketone	8.28	8.27	8.30
Tetrachloro-m-xylene	3.92	3.90	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.23

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\04050011.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 05-APR-2012 11:33
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\P1_8081_1.m
Meth Date : 05-Apr-2012 12:31 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

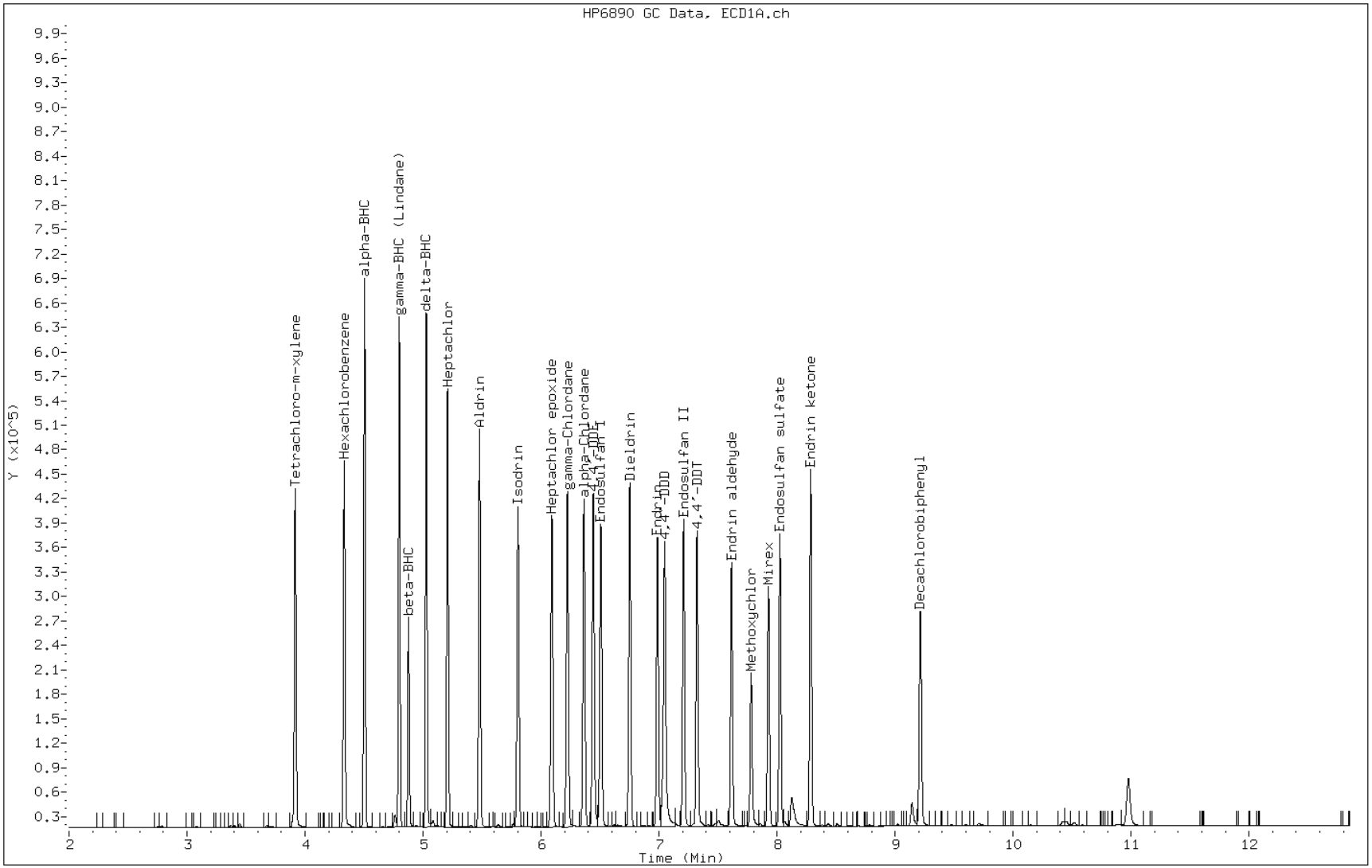
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.916	3.916	0.000	445930	50.0000	44.843
	3 Hexachlorobenzene	4.332	4.332	0.000	457268	50.0000	44.468
	5 alpha-BHC	4.504	4.504	0.000	635895	50.0000	43.738
	6 gamma-BHC (Lindane)	4.797	4.797	0.000	567596	50.0000	43.340
	7 beta-BHC	4.877	4.877	0.000	236585	50.0000	43.276
	8 delta-BHC	5.027	5.027	0.000	574409	50.0000	43.775
	10 Heptachlor	5.207	5.207	0.000	534636	50.0000	44.517
	11 Aldrin	5.478	5.478	0.000	530059	50.0000	43.755
	13 Isodrin	5.804	5.804	0.000	466923	50.0000	44.199
	15 Heptachlor epoxide	6.091	6.091	0.000	482581	50.0000	44.237
	18 gamma-Chlordane	6.223	6.223	0.000	499988	50.0000	44.032
	19 alpha-Chlordane	6.363	6.363	0.000	487651	50.0000	44.735
	20 4,4'-DDE	6.442	6.442	0.000	495826	50.0000	45.879
	21 Endosulfan I	6.506	6.506	0.000	462590	50.0000	44.914
	23 Dieldrin	6.752	6.752	0.000	506865	50.0000	45.713
	25 Endrin	6.986	6.986	0.000	418499	50.0000	48.694
	27 4,4'-DDD	7.047	7.047	0.000	529255	50.0000	49.254
	29 Endosulfan II	7.207	7.207	0.000	438733	50.0000	45.403
	30 4,4'-DDT	7.321	7.321	0.000	434314	50.0000	49.690
	31 Endrin aldehyde	7.613	7.613	0.000	376373	50.0000	45.807
	32 Methoxychlor	7.779	7.779	0.000	236145	50.0000	55.582
	33 Mirex	7.926	7.926	0.000	346966	50.0000	49.201
	34 Endosulfan sulfate	8.024	8.024	0.000	410616	50.0000	46.743
	35 Endrin ketone	8.284	8.284	0.000	500334	50.0000	48.972
$	36 Decachlorobiphenyl	9.213	9.213	0.000	360096	50.0000	50.274

Data File: 04050011.D

Date: 05-APR-2012 11:33

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-114395/3 Calibration Date: 04/05/2012 11:33

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050011.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	15607	14007		44.9	50.0	-10.3	20.0
gamma-BHC (Lindane)	Lin2	13922	12472		44.7	50.0	-10.5	20.0
beta-BHC	Lin2	5996	5227		45.0	50.0	-10.0	20.0
delta-BHC	Lin2	14001	12745		45.3	50.0	-9.4	20.0
Heptachlor	Lin2	12338	11336		46.7	50.0	-6.7	20.0
Aldrin	Ave	13324	11765		44.1	50.0	-11.7	20.0
Heptachlor epoxide	Lin2	11931	10631		45.1	50.0	-9.8	20.0
gamma-Chlordane	Ave	12801	11356		44.4	50.0	-11.3	20.0
alpha-Chlordane	Ave	12453	11065		44.4	50.0	-11.1	20.0
Endosulfan I	Lin2	11519	10199		45.1	50.0	-9.7	20.0
4,4'-DDE	Ave	12298	11467		46.6	50.0	-6.8	20.0
Dieldrin	Ave	12482	11361		45.5	50.0	-9.0	20.0
Endrin	Lin2	9540	9395		50.5	50.0	1.0	20.0
4,4'-DDD	Qua	10883	10844		51.6	50.0	3.2	20.0
Endosulfan II	Lin2	11185	10141		46.5	50.0	-6.9	20.0
4,4'-DDT	Lin2	8770	9350		53.2	50.0	6.4	20.0
Endrin aldehyde	Lin2	9502	8671		46.9	50.0	-6.2	20.0
Endosulfan sulfate	Lin2	10293	9813		48.6	50.0	-2.8	20.0
Methoxychlor	Lin2	4384	4641		55.1	50.0	10.1	20.0
Endrin ketone	Lin2	11452	11327		50.9	50.0	1.7	20.0
Tetrachloro-m-xylene	Lin2	11033	9674		44.6	50.0	-10.8	20.0
DCB Decachlorobiphenyl	Lin2	8824	8255		49.2	50.0	-1.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-114395/3 Calibration Date: 04/05/2012 11:33

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050011.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.80	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.10
Aldrin	5.35	5.34	5.37
Heptachlor epoxide	5.89	5.88	5.90
gamma-Chlordane	6.09	6.08	6.10
alpha-Chlordane	6.24	6.23	6.26
Endosulfan I	6.30	6.29	6.31
4,4'-DDE	6.42	6.41	6.44
Dieldrin	6.58	6.57	6.59
Endrin	6.88	6.87	6.90
4,4'-DDD	7.00	6.99	7.02
Endosulfan II	7.09	7.08	7.11
4,4'-DDT	7.31	7.30	7.32
Endrin aldehyde	7.42	7.41	7.43
Endosulfan sulfate	7.68	7.67	7.70
Methoxychlor	7.96	7.94	7.97
Endrin ketone	8.17	8.16	8.19
Tetrachloro-m-xylene	3.79	3.77	3.80
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\04050011.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 05-APR-2012 11:33
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\P1_8081_2.m
Meth Date : 05-Apr-2012 13:16 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

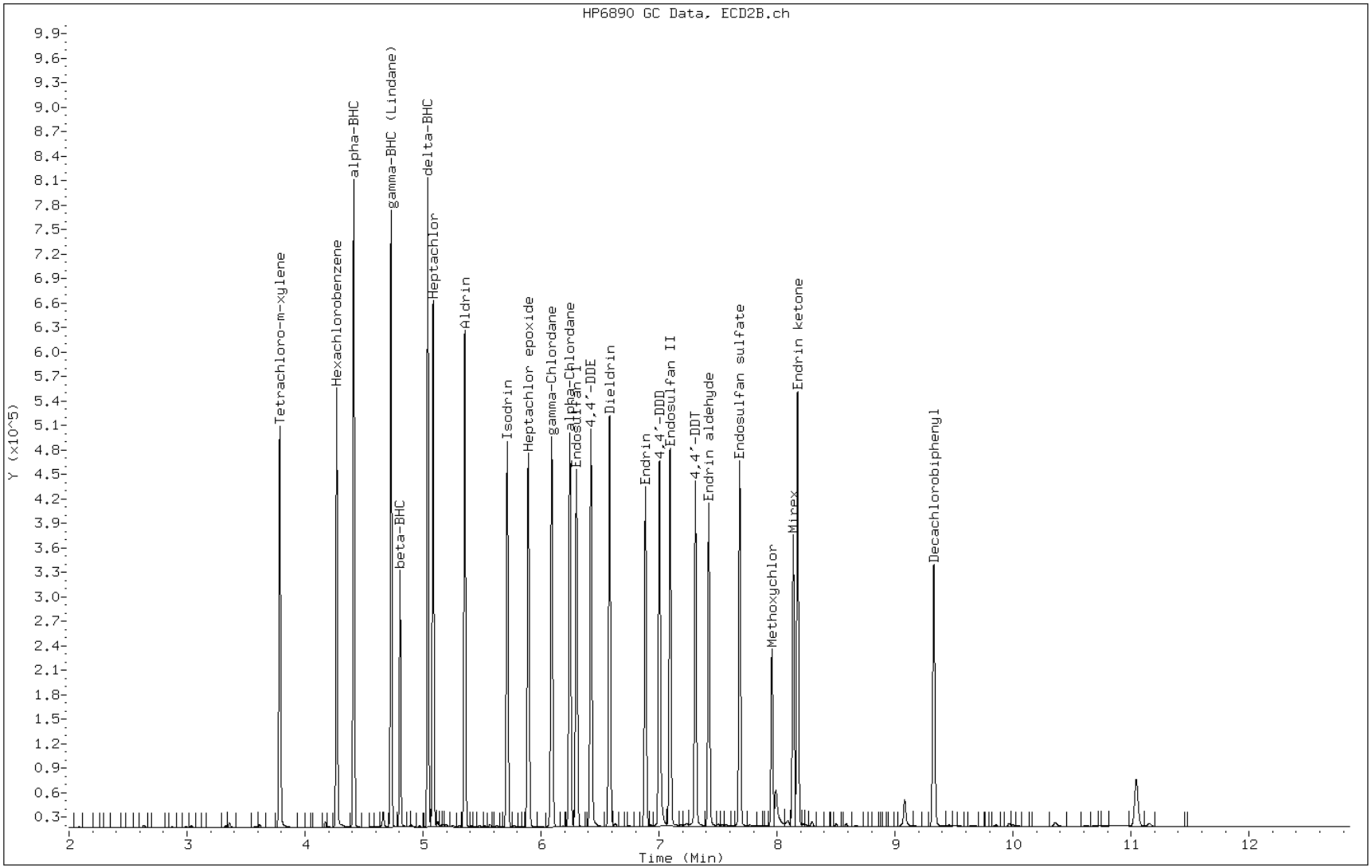
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
	2 Tetrachloro-m-xylene	3.785	3.785	0.000	483679	50.0000	44.617
	4 Hexachlorobenzene	4.268	4.268	0.000	498607	50.0000	44.502
	5 alpha-BHC	4.413	4.413	0.000	700370	50.0000	44.875
	6 gamma-BHC (Lindane)	4.728	4.728	0.000	623594	50.0000	44.739
	7 beta-BHC	4.804	4.804	0.000	261337	50.0000	45.002
	9 delta-BHC	5.040	5.040	0.000	637245	50.0000	45.312
	10 Heptachlor	5.084	5.084	0.000	566814	50.0000	46.657
	11 Aldrin	5.353	5.353	0.000	588256	50.0000	44.150
	15 Isodrin	5.713	5.713	0.000	513528	50.0000	44.372
	16 Heptachlor epoxide	5.891	5.891	0.000	531571	50.0000	45.090
	17 gamma-Chlordane	6.089	6.089	0.000	567784	50.0000	44.355
	19 alpha-Chlordane	6.243	6.243	0.000	553246	50.0000	44.428
	20 Endosulfan I	6.299	6.299	0.000	509927	50.0000	45.126
	21 4,4'-DDE	6.423	6.423	0.000	573350	50.0000	46.621
	22 Dieldrin	6.580	6.580	0.000	568050	50.0000	45.511
	25 Endrin	6.884	6.884	0.000	469733	50.0000	50.501
	28 4,4'-DDD	7.003	7.003	0.000	542198	50.0000	51.610
	29 Endosulfan II	7.093	7.093	0.000	507039	50.0000	46.527
	30 4,4'-DDT	7.308	7.308	0.000	467483	50.0000	53.183
	31 Endrin aldehyde	7.421	7.421	0.000	433543	50.0000	46.896
	32 Endosulfan sulfate	7.683	7.683	0.000	490669	50.0000	48.601
	33 Methoxychlor	7.956	7.956	0.000	232044	50.0000	55.052
	34 Mirex	8.137	8.137	0.000	400764	50.0000	50.528
	35 Endrin ketone	8.173	8.173	0.000	566357	50.0000	50.850
$	36 Decachlorobiphenyl	9.328	9.328	0.000	412757	50.0000	49.202

Data File: 04050011.D

Date: 05-APR-2012 11:33

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/22 Calibration Date: 04/05/2012 22:09

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050049.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	14539	14534		50.0	50.0	-0.0	20.0
gamma-BHC (Lindane)	Ave	13096	13091		50.0	50.0	-0.0	20.0
beta-BHC	Lin2	5674	5512		50.5	50.0	1.1	20.0
delta-BHC	Ave	13122	13551		51.6	50.0	3.3	20.0
Heptachlor	Lin2	12181	12645		52.7	50.0	5.4	20.0
Aldrin	Ave	12114	12461		51.4	50.0	2.9	20.0
Heptachlor epoxide	Lin2	11177	11404		52.4	50.0	4.7	20.0
gamma-Chlordane	Lin2	11508	12021		53.0	50.0	6.0	20.0
alpha-Chlordane	Lin2	11063	11570		53.1	50.0	6.3	20.0
4,4'-DDE	Lin2	10825	11713		54.2	50.0	8.4	20.0
Endosulfan I	Lin2	10580	10720		52.1	50.0	4.3	20.0
Dieldrin	Lin2	11230	11770		53.1	50.0	6.2	20.0
Endrin	Lin2	8733	9915		57.7	50.0	15.5	20.0
4,4'-DDD	Qua	11727	12264		56.1	50.0	12.3	20.0
Endosulfan II	Lin2	9919	10116		52.4	50.0	4.9	20.0
4,4'-DDT	Lin2	8812	9516		54.5	50.0	8.9	20.0
Endrin aldehyde	Lin2	8507	8300		50.6	50.0	1.2	20.0
Methoxychlor	Lin2	4447	4811		56.6	50.0	13.3	20.0
Endosulfan sulfate	Lin2	9135	9270		52.9	50.0	5.7	20.0
Endrin ketone	Lin2	10532	10870		53.3	50.0	6.5	20.0
Tetrachloro-m-xylene	Lin2	10194	9874		49.7	50.0	-0.6	20.0
DCB Decachlorobiphenyl	Lin2	7562	7271		50.8	50.0	1.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/22 Calibration Date: 04/05/2012 22:09

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050049.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.50	4.49	4.52
gamma-BHC (Lindane)	4.80	4.78	4.81
beta-BHC	4.88	4.86	4.89
delta-BHC	5.03	5.01	5.04
Heptachlor	5.21	5.19	5.22
Aldrin	5.48	5.47	5.49
Heptachlor epoxide	6.09	6.08	6.10
gamma-Chlordane	6.22	6.21	6.24
alpha-Chlordane	6.36	6.35	6.38
4,4'-DDE	6.44	6.43	6.46
Endosulfan I	6.51	6.49	6.52
Dieldrin	6.75	6.74	6.77
Endrin	6.99	6.97	7.00
4,4'-DDD	7.05	7.03	7.06
Endosulfan II	7.21	7.19	7.22
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.61	7.60	7.63
Methoxychlor	7.78	7.77	7.79
Endosulfan sulfate	8.02	8.01	8.04
Endrin ketone	8.28	8.27	8.30
Tetrachloro-m-xylene	3.92	3.90	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.23

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\04050049.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 05-APR-2012 22:09
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\P1_8081_1.m
Meth Date : 05-Apr-2012 22:30 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 43 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.916	3.916	0.000	493682	50.0000	49.702
	3 Hexachlorobenzene	4.332	4.332	0.000	510923	50.0000	49.766
	5 alpha-BHC	4.504	4.504	0.000	726718	50.0000	49.985
	6 gamma-BHC (Lindane)	4.798	4.797	0.001	654570	50.0000	49.981
	7 beta-BHC	4.877	4.877	0.000	275605	50.0000	50.548
	8 delta-BHC	5.027	5.027	0.000	677573	50.0000	51.636
	10 Heptachlor	5.207	5.207	0.000	632274	50.0000	52.706
	11 Aldrin	5.478	5.478	0.000	623057	50.0000	51.432
	13 Isodrin	5.804	5.804	0.000	551083	50.0000	52.237
	15 Heptachlor epoxide	6.090	6.091	-0.001	570181	50.0000	52.365
	18 gamma-Chlordane	6.223	6.223	0.000	601037	50.0000	52.990
	19 alpha-Chlordane	6.364	6.363	0.001	578515	50.0000	53.131
	20 4,4'-DDE	6.440	6.442	-0.002	585664	50.0000	54.201
	21 Endosulfan I	6.506	6.506	0.000	536001	50.0000	52.136
	23 Dieldrin	6.751	6.752	-0.001	588515	50.0000	53.124
	25 Endrin	6.985	6.986	-0.001	495757	50.0000	57.745
	27 4,4'-DDD	7.046	7.047	-0.001	613218	50.0000	56.133
	29 Endosulfan II	7.207	7.207	0.000	505804	50.0000	52.431
	30 4,4'-DDT	7.320	7.321	-0.001	475802	50.0000	54.453
	31 Endrin aldehyde	7.613	7.613	0.000	415010	50.0000	50.586
	32 Methoxychlor	7.777	7.779	-0.002	240558	50.0000	56.638
	33 Mirex	7.925	7.926	-0.001	369715	50.0000	52.508
	34 Endosulfan sulfate	8.023	8.024	-0.001	463521	50.0000	52.872
	35 Endrin ketone	8.283	8.284	-0.001	543509	50.0000	53.253(M)
$	36 Decachlorobiphenyl	9.211	9.213	-0.002	363525	50.0000	50.764

QC Flag Legend

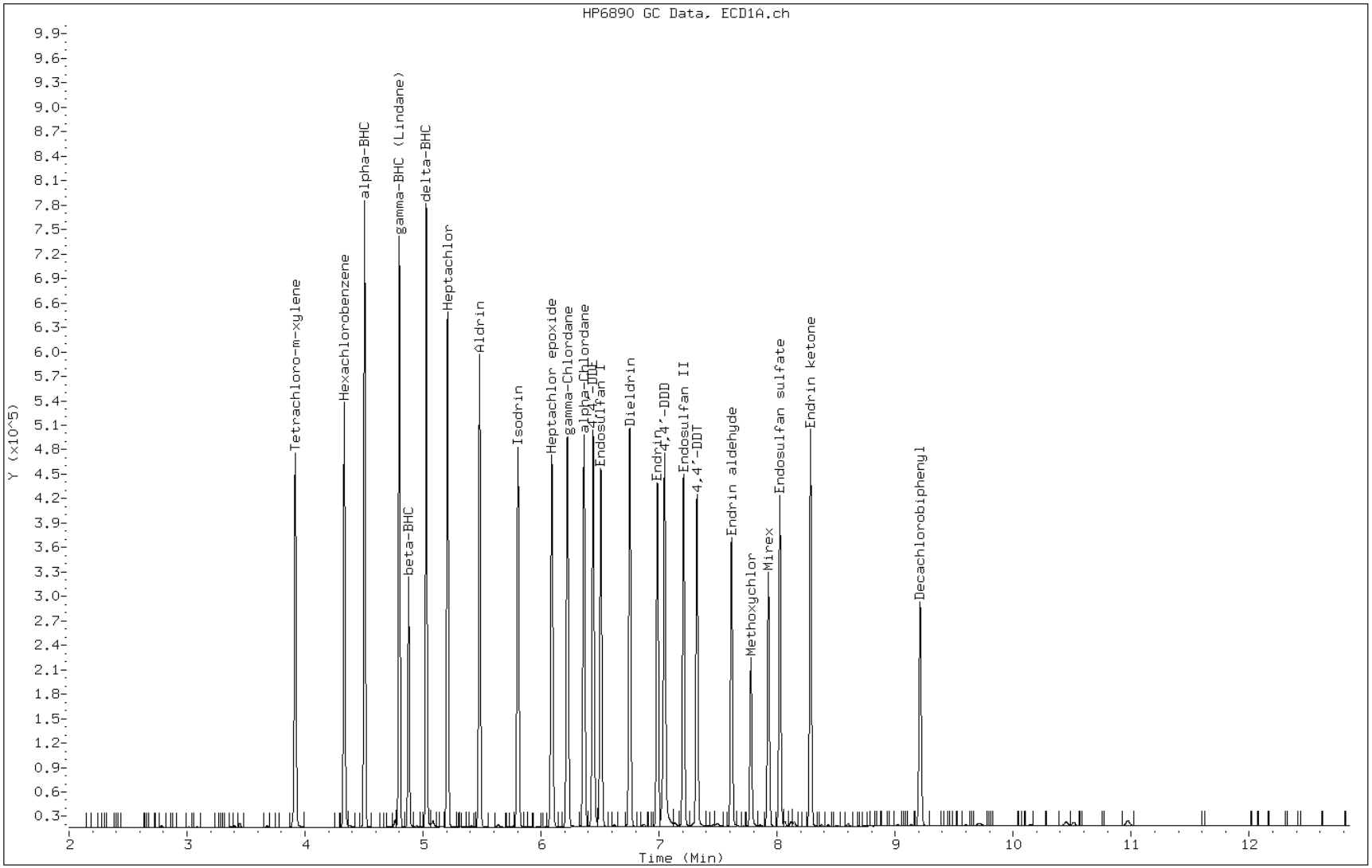
M - Compound response manually integrated.

Data File: 04050049.D

Date: 05-APR-2012 22:09

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



Manual Integration Report

Data File: 04050049.D
Inj. Date and Time: 05-APR-2012 22:09
Instrument ID: GC_P1.i
Client ID:
Compound: 35 Endrin ketone
CAS #: 53494-70-5
Report Date: 04/06/2012

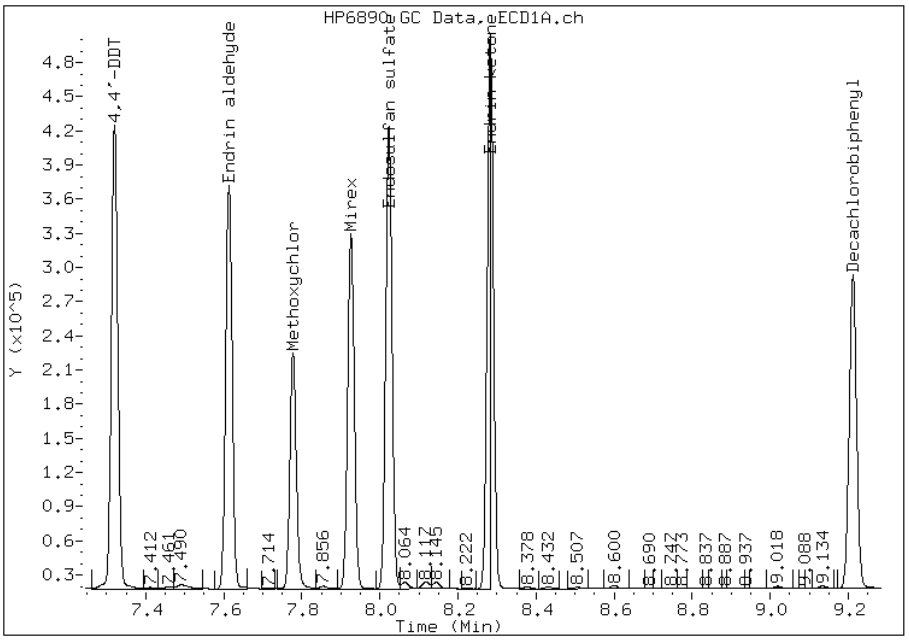
Processing Integration Results

RT: 8.28

Response: 276706

Amount: 26.80

Conc: 26.80



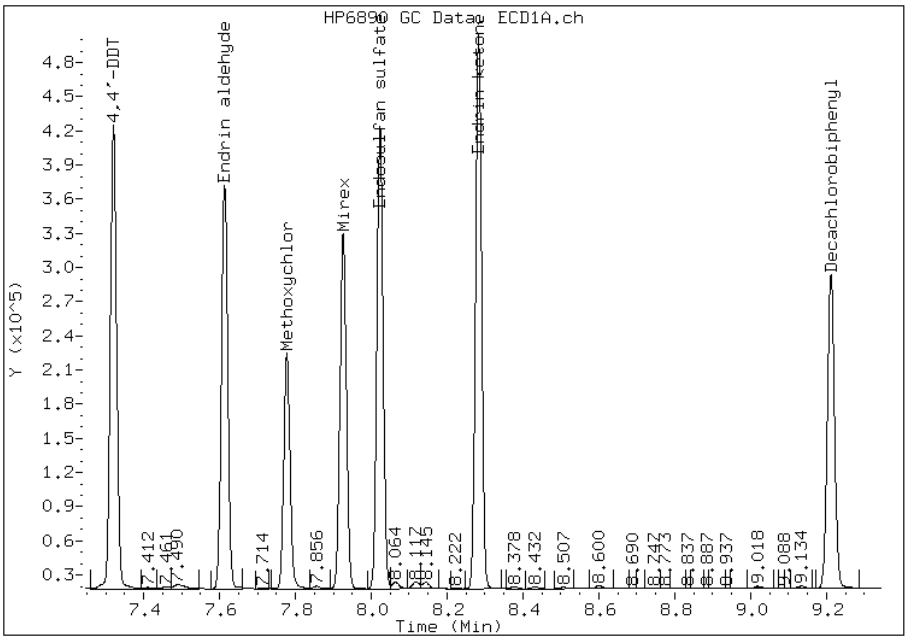
Manual Integration Results

RT: 8.28

Response: 543509

Amount: 53.25

Conc: 53.25



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/22 Calibration Date: 04/05/2012 22:09

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050049.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	15607	15575		49.9	50.0	-0.2	20.0
gamma-BHC (Lindane)	Lin2	13922	14017		50.3	50.0	0.6	20.0
beta-BHC	Lin2	5996	5954		51.4	50.0	2.7	20.0
delta-BHC	Lin2	14001	14591		51.9	50.0	3.7	20.0
Heptachlor	Lin2	12338	12743		52.5	50.0	5.0	20.0
Aldrin	Ave	13324	13393		50.3	50.0	0.5	20.0
Heptachlor epoxide	Lin2	11931	12166		51.6	50.0	3.3	20.0
gamma-Chlordane	Ave	12801	13042		50.9	50.0	1.9	20.0
alpha-Chlordane	Ave	12453	12589		50.5	50.0	1.1	20.0
Endosulfan I	Lin2	11519	11583		51.3	50.0	2.6	20.0
4,4'-DDE	Ave	12298	12882		52.4	50.0	4.7	20.0
Dieldrin	Ave	12482	12780		51.2	50.0	2.4	20.0
Endrin	Lin2	9540	10620		57.2	50.0	14.3	20.0
4,4'-DDD	Qua	10883	12034		56.5	50.0	12.9	20.0
Endosulfan II	Lin2	11185	11258		51.7	50.0	3.4	20.0
4,4'-DDT	Lin2	8770	9573		54.5	50.0	8.9	20.0
Endrin aldehyde	Lin2	9502	9361		50.7	50.0	1.3	20.0
Endosulfan sulfate	Lin2	10293	10679		52.9	50.0	5.8	20.0
Methoxychlor	Lin2	4384	4974		59.1	50.0	18.1	20.0
Endrin ketone	Lin2	11452	11901		53.5	50.0	6.9	20.0
Tetrachloro-m-xylene	Lin2	11033	10434		48.2	50.0	-3.7	20.0
DCB Decachlorobiphenyl	Lin2	8824	8181		48.8	50.0	-2.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/22 Calibration Date: 04/05/2012 22:09

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050049.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.81	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.10
Aldrin	5.35	5.34	5.37
Heptachlor epoxide	5.89	5.88	5.90
gamma-Chlordane	6.09	6.08	6.10
alpha-Chlordane	6.24	6.23	6.26
Endosulfan I	6.30	6.29	6.31
4,4'-DDE	6.42	6.41	6.44
Dieldrin	6.58	6.57	6.59
Endrin	6.88	6.87	6.90
4,4'-DDD	7.00	6.99	7.02
Endosulfan II	7.09	7.08	7.11
4,4'-DDT	7.31	7.30	7.32
Endrin aldehyde	7.42	7.41	7.43
Endosulfan sulfate	7.68	7.67	7.70
Methoxychlor	7.95	7.94	7.97
Endrin ketone	8.17	8.16	8.19
Tetrachloro-m-xylene	3.79	3.77	3.80
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\04050049.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 05-APR-2012 22:09
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\P1_8081_2.m
Meth Date : 06-Apr-2012 09:23 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 43 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

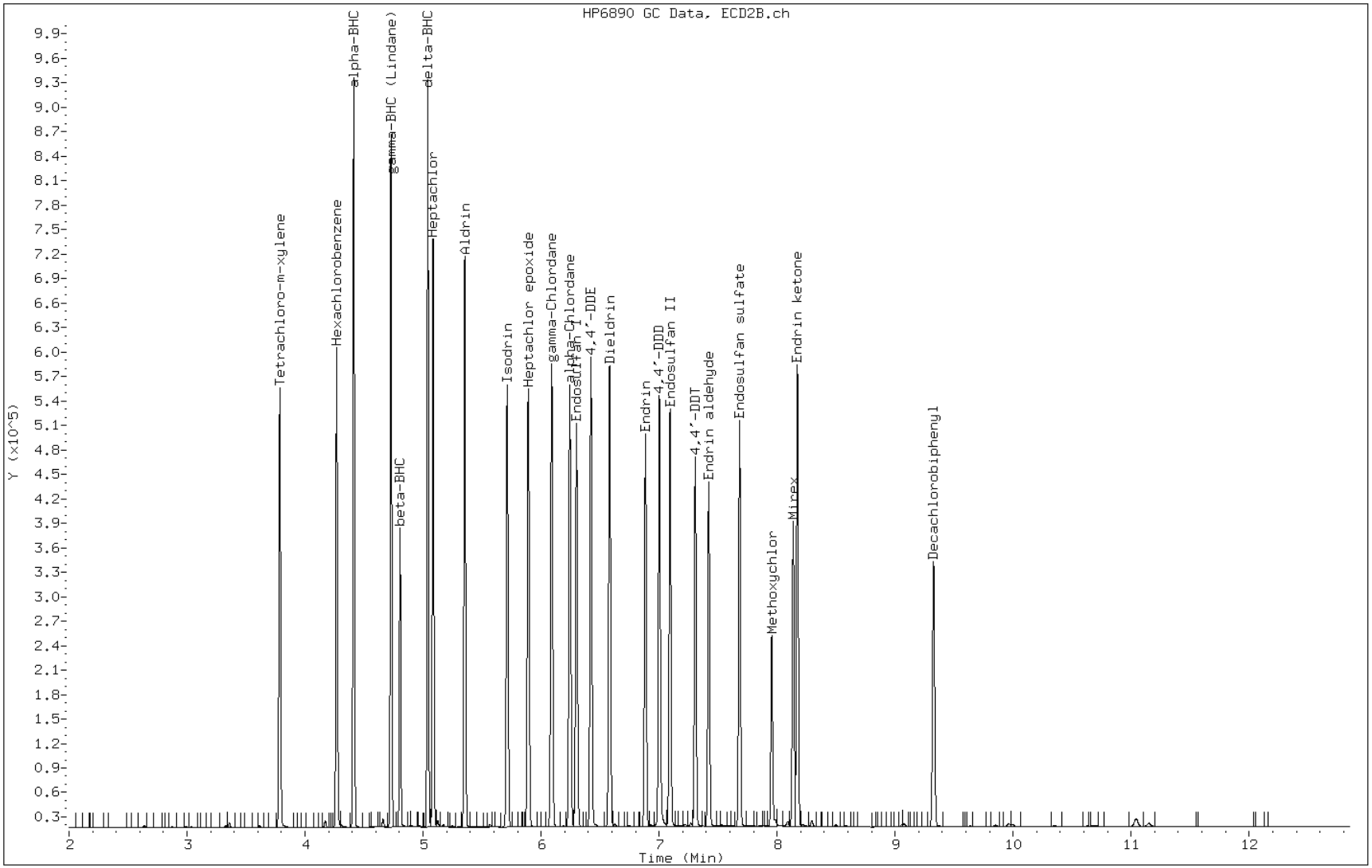
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.785	3.785	0.000	521710	50.0000	48.156
	4 Hexachlorobenzene	4.267	4.268	-0.001	541095	50.0000	48.347
	5 alpha-BHC	4.412	4.413	-0.001	778729	50.0000	49.895
	6 gamma-BHC (Lindane)	4.728	4.728	0.000	700835	50.0000	50.280
	7 beta-BHC	4.805	4.804	0.001	297697	50.0000	51.357
	9 delta-BHC	5.040	5.040	0.000	729547	50.0000	51.866
	10 Heptachlor	5.084	5.084	0.000	637174	50.0000	52.492
	11 Aldrin	5.353	5.353	0.000	669635	50.0000	50.258
	15 Isodrin	5.712	5.713	-0.001	591185	50.0000	51.126
	16 Heptachlor epoxide	5.891	5.891	0.000	608308	50.0000	51.639
	17 gamma-Chlordane	6.090	6.089	0.001	652079	50.0000	50.940
	19 alpha-Chlordane	6.243	6.243	0.000	629429	50.0000	50.546
	20 Endosulfan I	6.300	6.299	0.001	579161	50.0000	51.311
	21 4,4'-DDE	6.422	6.423	-0.001	644079	50.0000	52.372
	22 Dieldrin	6.580	6.580	0.000	638983	50.0000	51.194
	25 Endrin	6.884	6.884	0.000	531011	50.0000	57.156
	28 4,4'-DDD	7.002	7.003	-0.001	601702	50.0000	56.455
	29 Endosulfan II	7.093	7.093	0.000	562920	50.0000	51.718
	30 4,4'-DDT	7.306	7.308	-0.002	478657	50.0000	54.453
	31 Endrin aldehyde	7.420	7.421	-0.001	468027	50.0000	50.673
	32 Endosulfan sulfate	7.681	7.683	-0.002	533930	50.0000	52.922
	33 Methoxychlor	7.954	7.956	-0.002	248695	50.0000	59.059
	34 Mirex	8.136	8.137	-0.001	405589	50.0000	51.147
	35 Endrin ketone	8.171	8.173	-0.002	595058	50.0000	53.457
$	36 Decachlorobiphenyl	9.325	9.328	-0.003	409064	50.0000	48.752

Data File: 04050049.D

Date: 05-APR-2012 22:09

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/23 Calibration Date: 04/05/2012 22:26

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04050050.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2	30.30	30.11		159	200	-20.4*	15.0
Toxaphene Peak 2	Lin2	116.9	126.0		196	200	-2.1	15.0
Toxaphene Peak 3	Lin2	154.2	165.2		184	200	-8.0	15.0
Toxaphene Peak 4	Lin2	235.3	214.5		188	200	-5.9	15.0
Toxaphene Peak 5	Lin2	358.6	331.3		183	200	-8.6	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/23 Calibration Date: 04/05/2012 22:26

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04050050.D

Analyte	RT	RT WINDOW	
		TO	FROM
Toxaphene Peak 1	5.65	5.64	5.67
Toxaphene Peak 2	6.34	6.32	6.35
Toxaphene Peak 3	7.08	7.06	7.09
Toxaphene Peak 4	7.64	7.63	7.66
Toxaphene Peak 5	7.93	7.92	7.95

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\04050050.D
Lab Smp Id: CCV-1322857 TOX
Inj Date : 05-APR-2012 22:26
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1322857 TOX
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\P1_8081_1.m
Meth Date : 06-Apr-2012 09:15 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 44 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC359

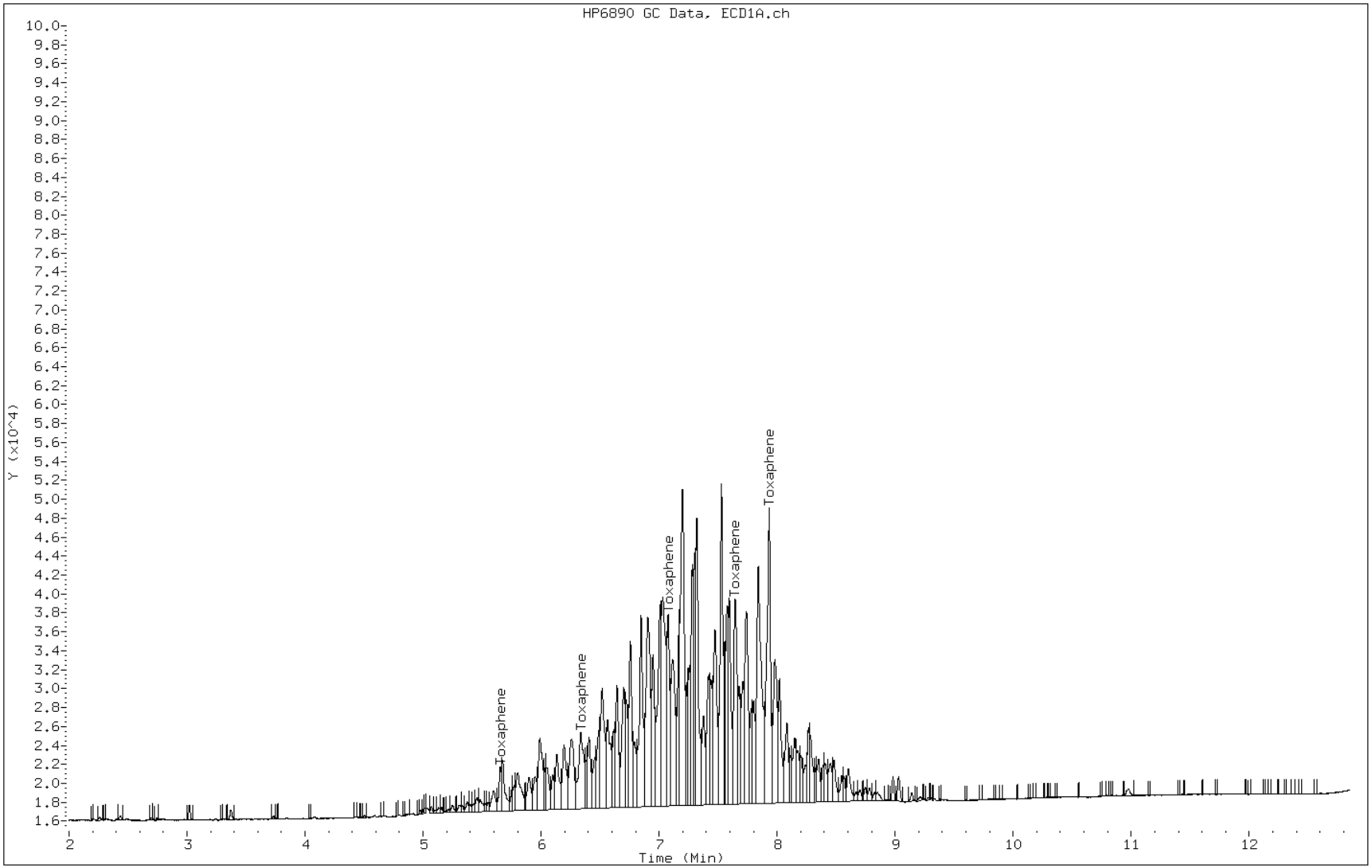
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.654	5.655	-0.001	6022	200.000	159.17	80.00- 120.00	100.00
6.336	6.336	0.000	25197	200.000	195.80	303.81- 455.72	418.42
7.076	7.077	-0.001	33047	200.000	184.04	517.54- 776.31	548.77
7.643	7.644	-0.001	42898	200.000	188.20	615.49- 923.23	712.35
7.933	7.932	0.001	66266	200.000	182.84	963.26-1444.90	1100.40
		Average of Peak Amounts =			182.010		

Data File: 04050050.D

Date: 05-APR-2012 22:26

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1322857 TOX Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/35 Calibration Date: 04/06/2012 01:46

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050062.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	14539	14064		48.4	50.0	-3.3	20.0
gamma-BHC (Lindane)	Ave	13096	12653		48.3	50.0	-3.4	20.0
beta-BHC	Lin2	5674	5284		48.4	50.0	-3.2	20.0
delta-BHC	Ave	13122	12943		49.3	50.0	-1.4	20.0
Heptachlor	Lin2	12181	12204		50.9	50.0	1.7	20.0
Aldrin	Ave	12114	12100		49.9	50.0	-0.1	20.0
Heptachlor epoxide	Lin2	11177	11027		50.6	50.0	1.2	20.0
gamma-Chlordane	Lin2	11508	11611		51.2	50.0	2.4	20.0
alpha-Chlordane	Lin2	11063	11220		51.5	50.0	3.0	20.0
4,4'-DDE	Lin2	10825	11493		53.2	50.0	6.4	20.0
Endosulfan I	Lin2	10580	10489		51.0	50.0	2.0	20.0
Dieldrin	Lin2	11230	11521		52.0	50.0	4.0	20.0
Endrin	Lin2	8733	9623		56.0	50.0	12.1	20.0
4,4'-DDD	Qua	11727	12105		55.5	50.0	11.0	20.0
Endosulfan II	Lin2	9919	9985		51.7	50.0	3.5	20.0
4,4'-DDT	Lin2	8812	9643		55.2	50.0	10.4	20.0
Endrin aldehyde	Lin2	8507	8340		50.8	50.0	1.7	20.0
Methoxychlor	Lin2	4447	4941		58.2	50.0	16.4	20.0
Endosulfan sulfate	Lin2	9135	9197		52.4	50.0	4.9	20.0
Endrin ketone	Lin2	10532	10934		53.6	50.0	7.1	20.0
Tetrachloro-m-xylene	Lin2	10194	9572		48.2	50.0	-3.7	20.0
DCB Decachlorobiphenyl	Lin2	7562	7385		51.6	50.0	3.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/35 Calibration Date: 04/06/2012 01:46

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050062.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.50	4.49	4.52
gamma-BHC (Lindane)	4.80	4.78	4.81
beta-BHC	4.88	4.86	4.89
delta-BHC	5.03	5.01	5.04
Heptachlor	5.21	5.19	5.22
Aldrin	5.48	5.47	5.49
Heptachlor epoxide	6.09	6.08	6.10
gamma-Chlordane	6.22	6.21	6.24
alpha-Chlordane	6.36	6.35	6.38
4,4'-DDE	6.44	6.43	6.46
Endosulfan I	6.51	6.49	6.52
Dieldrin	6.75	6.74	6.77
Endrin	6.99	6.97	7.00
4,4'-DDD	7.05	7.03	7.06
Endosulfan II	7.21	7.19	7.22
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.61	7.60	7.63
Methoxychlor	7.78	7.77	7.79
Endosulfan sulfate	8.02	8.01	8.04
Endrin ketone	8.28	8.27	8.30
Tetrachloro-m-xylene	3.92	3.90	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.23

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\04050062.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 06-APR-2012 01:46
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\P1_8081_1.m
Meth Date : 06-Apr-2012 09:07 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 43 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

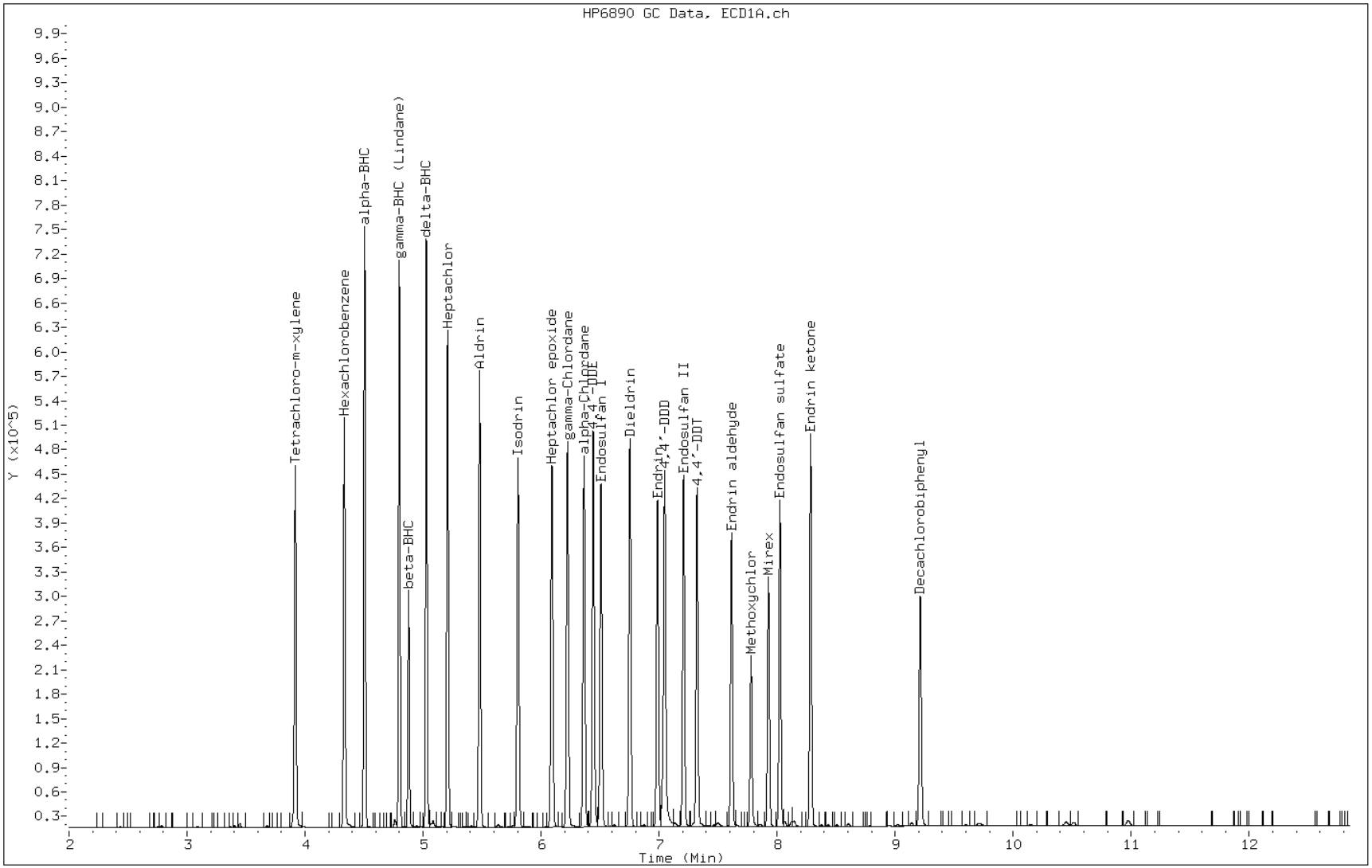
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.917	3.916	0.001	478622	50.0000	48.170
	3 Hexachlorobenzene	4.332	4.332	0.000	500825	50.0000	48.769
	5 alpha-BHC	4.504	4.504	0.000	703206	50.0000	48.368
	6 gamma-BHC (Lindane)	4.798	4.797	0.001	632656	50.0000	48.308
	7 beta-BHC	4.878	4.877	0.001	264185	50.0000	48.420
	8 delta-BHC	5.027	5.027	0.000	647143	50.0000	49.318
	10 Heptachlor	5.207	5.207	0.000	610208	50.0000	50.855
	11 Aldrin	5.479	5.478	0.001	604983	50.0000	49.940
	13 Isodrin	5.804	5.804	0.000	535570	50.0000	50.756
	15 Heptachlor epoxide	6.091	6.091	0.000	551330	50.0000	50.616
	18 gamma-Chlordane	6.224	6.223	0.001	580571	50.0000	51.176
	19 alpha-Chlordane	6.364	6.363	0.001	561022	50.0000	51.515
	20 4,4'-DDE	6.441	6.442	-0.001	574633	50.0000	53.180
	21 Endosulfan I	6.507	6.506	0.001	524449	50.0000	50.999
	23 Dieldrin	6.752	6.752	0.000	576042	50.0000	51.992
	25 Endrin	6.986	6.986	0.000	481146	50.0000	56.033
	27 4,4'-DDD	7.047	7.047	0.000	605243	50.0000	55.494
	29 Endosulfan II	7.207	7.207	0.000	499247	50.0000	51.744
	30 4,4'-DDT	7.320	7.321	-0.001	482152	50.0000	55.182
	31 Endrin aldehyde	7.613	7.613	0.000	417022	50.0000	50.835
	32 Methoxychlor	7.779	7.779	0.000	247045	50.0000	58.189
	33 Mirex	7.926	7.926	0.000	367090	50.0000	52.127
	34 Endosulfan sulfate	8.024	8.024	0.000	459854	50.0000	52.447
	35 Endrin ketone	8.284	8.284	0.000	546685	50.0000	53.568
$	36 Decachlorobiphenyl	9.213	9.213	0.000	369240	50.0000	51.580

Data File: 04050062.D

Date: 06-APR-2012 01:46

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/35 Calibration Date: 04/06/2012 01:46

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050062.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	15607	14946		47.9	50.0	-4.2	20.0
gamma-BHC (Lindane)	Lin2	13922	13414		48.1	50.0	-3.8	20.0
beta-BHC	Lin2	5996	5614		48.4	50.0	-3.2	20.0
delta-BHC	Lin2	14001	13843		49.2	50.0	-1.6	20.0
Heptachlor	Lin2	12338	12286		50.6	50.0	1.2	20.0
Aldrin	Ave	13324	12965		48.7	50.0	-2.7	20.0
Heptachlor epoxide	Lin2	11931	11680		49.6	50.0	-0.9	20.0
gamma-Chlordane	Ave	12801	12669		49.5	50.0	-1.0	20.0
alpha-Chlordane	Ave	12453	12277		49.3	50.0	-1.4	20.0
Endosulfan I	Lin2	11519	11294		50.0	50.0	0.0	20.0
4,4'-DDE	Ave	12298	12654		51.4	50.0	2.9	20.0
Dieldrin	Ave	12482	12508		50.1	50.0	0.2	20.0
Endrin	Lin2	9540	10295		55.4	50.0	10.8	20.0
4,4'-DDD	Qua	10883	11878		55.8	50.0	11.7	20.0
Endosulfan II	Lin2	11185	11110		51.0	50.0	2.1	20.0
4,4'-DDT	Lin2	8770	9777		55.6	50.0	11.2	20.0
Endrin aldehyde	Lin2	9502	9346		50.6	50.0	1.2	20.0
Endosulfan sulfate	Lin2	10293	10594		52.5	50.0	5.0	20.0
Methoxychlor	Lin2	4384	4865		57.7	50.0	15.5	20.0
Endrin ketone	Lin2	11452	11925		53.6	50.0	7.1	20.0
Tetrachloro-m-xylene	Lin2	11033	10131		46.7	50.0	-6.5	20.0
DCB Decachlorobiphenyl	Lin2	8824	8245		49.1	50.0	-1.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/35 Calibration Date: 04/06/2012 01:46

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04050062.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.80	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.10
Aldrin	5.35	5.34	5.37
Heptachlor epoxide	5.89	5.88	5.90
gamma-Chlordane	6.09	6.08	6.10
alpha-Chlordane	6.24	6.23	6.26
Endosulfan I	6.30	6.29	6.31
4,4'-DDE	6.42	6.41	6.44
Dieldrin	6.58	6.57	6.59
Endrin	6.89	6.87	6.90
4,4'-DDD	7.00	6.99	7.02
Endosulfan II	7.09	7.08	7.11
4,4'-DDT	7.31	7.30	7.32
Endrin aldehyde	7.42	7.41	7.43
Endosulfan sulfate	7.68	7.67	7.70
Methoxychlor	7.96	7.94	7.97
Endrin ketone	8.17	8.16	8.19
Tetrachloro-m-xylene	3.79	3.77	3.80
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\04050062.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 06-APR-2012 01:46
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\P1_8081_2.m
Meth Date : 06-Apr-2012 09:23 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 43 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

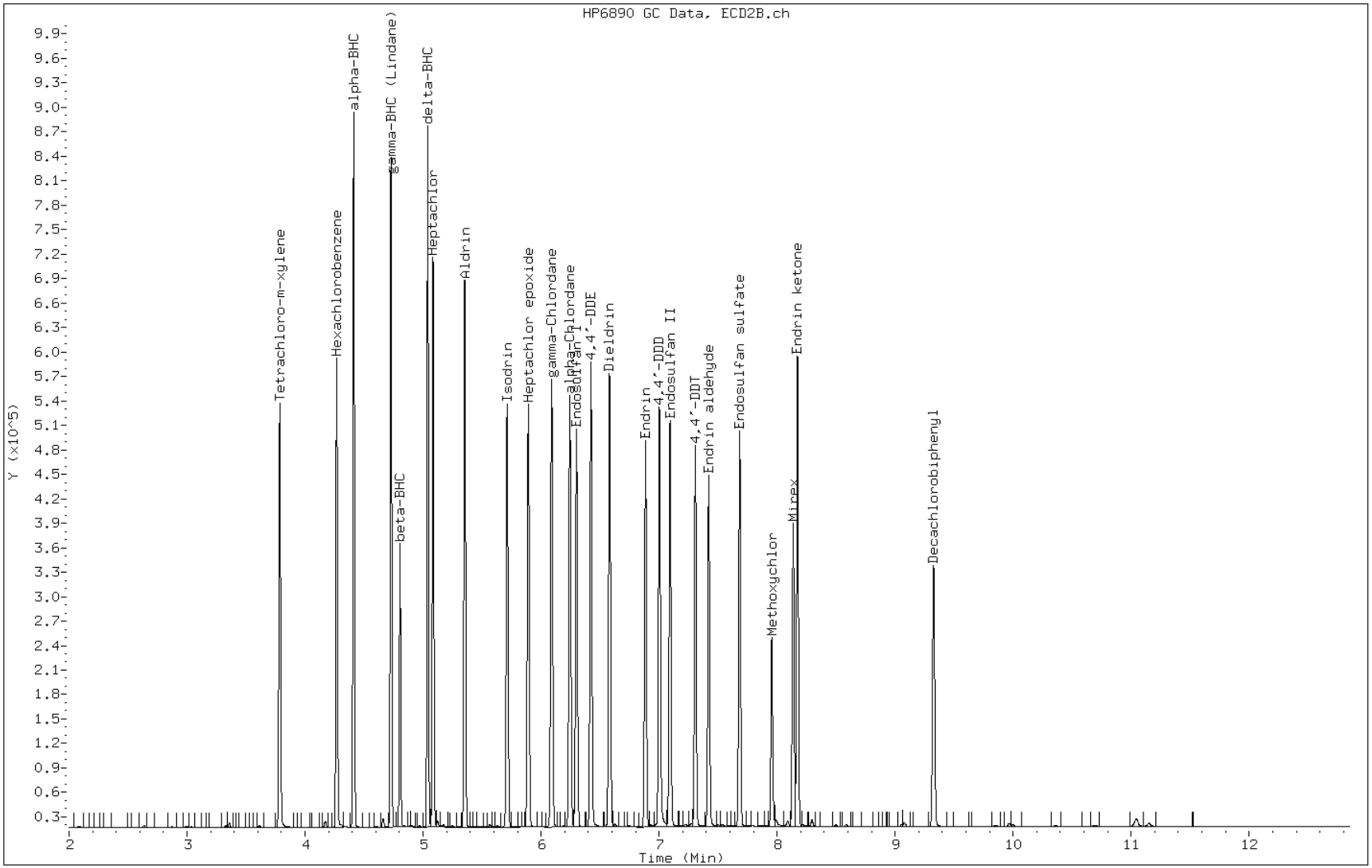
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.785	3.785	0.000	506554	50.0000	46.745
	4 Hexachlorobenzene	4.267	4.268	-0.001	524609	50.0000	46.855
	5 alpha-BHC	4.411	4.413	-0.002	747276	50.0000	47.880
	6 gamma-BHC (Lindane)	4.728	4.728	0.000	670700	50.0000	48.118
	7 beta-BHC	4.804	4.804	0.000	280715	50.0000	48.389
	9 delta-BHC	5.039	5.040	-0.001	692128	50.0000	49.209
	10 Heptachlor	5.084	5.084	0.000	614305	50.0000	50.596
	11 Aldrin	5.353	5.353	0.000	648259	50.0000	48.653
	15 Isodrin	5.712	5.713	-0.001	562793	50.0000	48.656
	16 Heptachlor epoxide	5.891	5.891	0.000	583993	50.0000	49.564
	17 gamma-Chlordane	6.089	6.089	0.000	633459	50.0000	49.486
	19 alpha-Chlordane	6.243	6.243	0.000	613857	50.0000	49.295
	20 Endosulfan I	6.300	6.299	0.001	564724	50.0000	50.022
	21 4,4'-DDE	6.422	6.423	-0.001	632688	50.0000	51.446
	22 Dieldrin	6.580	6.580	0.000	625389	50.0000	50.104
	25 Endrin	6.885	6.884	0.001	514742	50.0000	55.389
	28 4,4'-DDD	7.002	7.003	-0.001	593923	50.0000	55.832
	29 Endosulfan II	7.092	7.093	-0.001	555512	50.0000	51.030
	30 4,4'-DDT	7.307	7.308	-0.001	488852	50.0000	55.612
	31 Endrin aldehyde	7.420	7.421	-0.001	467280	50.0000	50.591
	32 Endosulfan sulfate	7.682	7.683	-0.001	529687	50.0000	52.498
	33 Methoxychlor	7.955	7.956	-0.001	243241	50.0000	57.747
	34 Mirex	8.136	8.137	-0.001	408593	50.0000	51.533
	35 Endrin ketone	8.172	8.173	-0.001	596267	50.0000	53.567
$	36 Decachlorobiphenyl	9.325	9.328	-0.003	412227	50.0000	49.138

Data File: 04050062.D

Date: 06-APR-2012 01:46

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/36 Calibration Date: 04/06/2012 02:02

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04050063.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2	30.30	35.32		196	200	-1.8	15.0
Toxaphene Peak 2	Lin2	116.9	48.89		58.6	200	-70.7*	15.0
Toxaphene Peak 3	Lin2	154.2	180.9		206	200	2.8	15.0
Toxaphene Peak 4	Lin2	235.3	208.6		183	200	-8.4	15.0
Toxaphene Peak 5	Lin2	358.6	287.7		158	200	-20.8*	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114395/36 Calibration Date: 04/06/2012 02:02

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04050063.D

Analyte	RT	RT WINDOW	
		TO	FROM
Toxaphene Peak 1	5.65	5.64	5.67
Toxaphene Peak 2	6.34	6.32	6.35
Toxaphene Peak 3	7.07	7.06	7.09
Toxaphene Peak 4	7.64	7.63	7.66
Toxaphene Peak 5	7.93	7.92	7.95

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\04050063.D
Lab Smp Id: CCV-1322857 TOX
Inj Date : 06-APR-2012 02:02
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1322857 TOX
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\P1_8081_1.m
Meth Date : 06-Apr-2012 09:15 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 44 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC359

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.653	5.655	-0.002	7064	200.000	196.30	80.00- 120.00	100.00(qM)
6.338	6.336	0.002	9777	200.000	58.607	303.81- 455.72	138.41
7.074	7.077	-0.003	36171	200.000	205.52	517.54- 776.31	512.05
7.643	7.644	-0.001	41712	200.000	183.23	615.49- 923.23	590.49
7.933	7.932	0.001	57532	200.000	158.43	963.26-1444.90	814.44
Average of Peak Amounts =					160.417		

QC Flag Legend

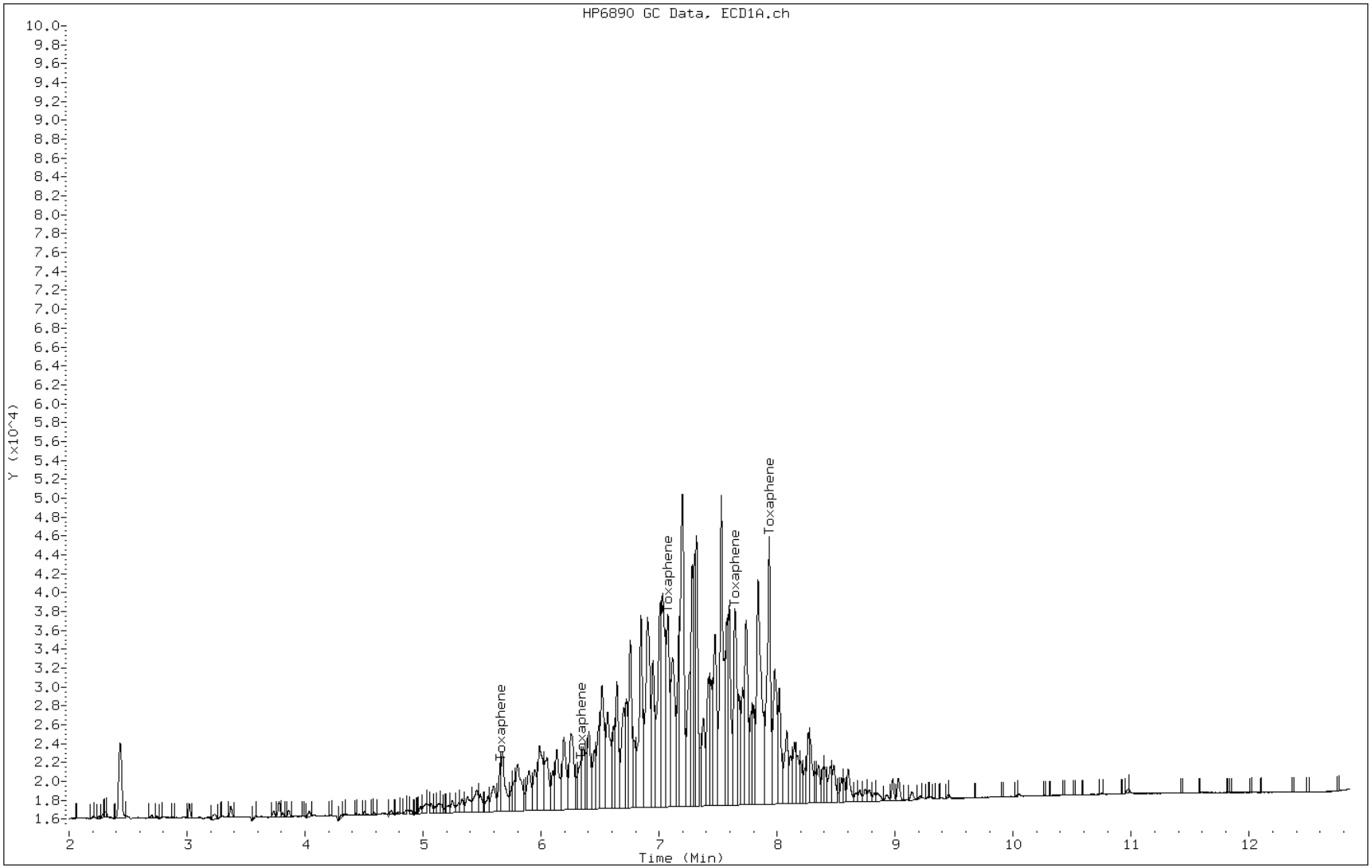
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File: 04050063.D

Date: 06-APR-2012 02:02

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1322857 TOX Operator: DW



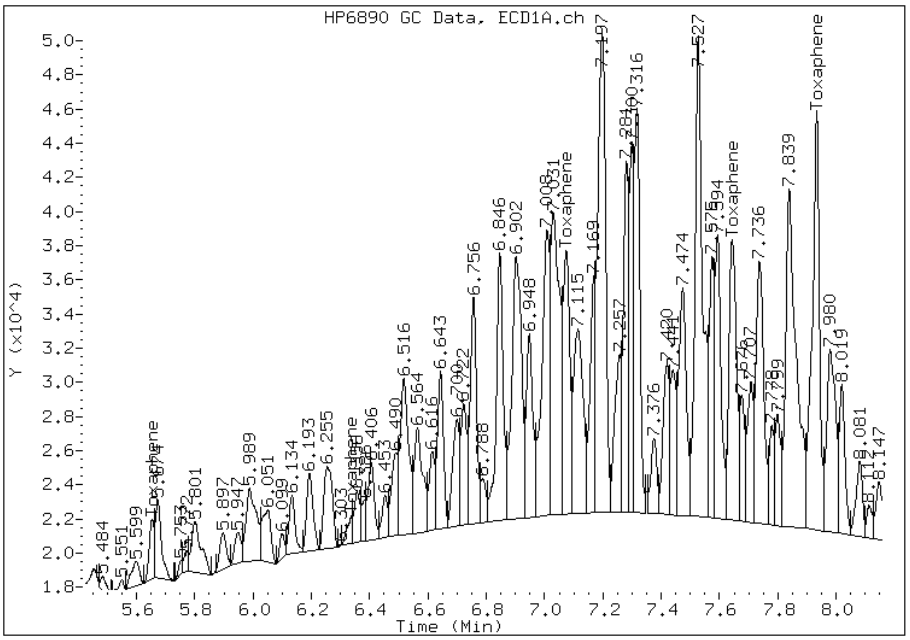
Manual Integration Report

Data File: 04050063.D
Inj. Date and Time: 06-APR-2012 02:02
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/06/2012

Processing Integration Results

RT	Response	Conc
5.65	3680*	75.72
6.34	1926*	0.00
7.07	25253*	130.42
7.64	29126*	130.46
7.93	43433*	119.01

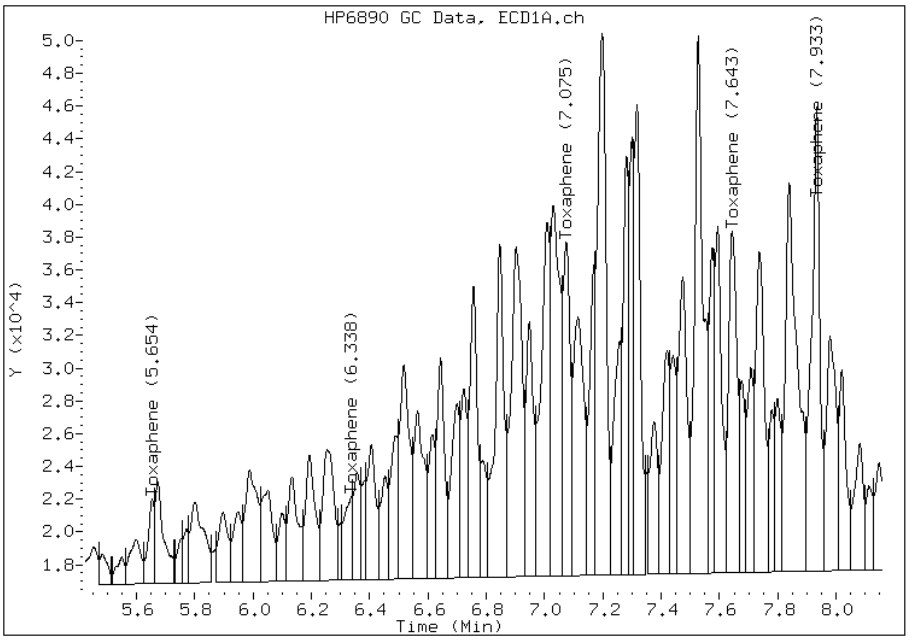
Final Conc		113.90



Manual Integration Results

RT	Response	Conc
5.65	7064*	196.31
6.34	9777*	58.61
7.07	36171*	205.52
7.64	41712*	183.23
7.93	57532*	158.43

Final Conc		160.42



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-115240/3 Calibration Date: 04/11/2012 11:19

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110011.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	10612	9797		47.7	50.0	-4.6	15.0
alpha-BHC	Ave	14539	13478		46.4	50.0	-7.3	20.0
gamma-BHC (Lindane)	Ave	13096	12076		46.1	50.0	-7.8	20.0
beta-BHC	Lin2	5674	5018		45.9	50.0	-8.1	20.0
delta-BHC	Ave	13122	12263		46.7	50.0	-6.5	20.0
Heptachlor	Lin2	12181	11593		48.3	50.0	-3.4	20.0
Aldrin	Ave	12114	11812		48.8	50.0	-2.5	20.0
Isodrin	Lin2	10754	10381		49.2	50.0	-1.6	15.0
Heptachlor epoxide	Lin2	11177	10679		49.0	50.0	-2.0	20.0
gamma-Chlordane	Lin2	11508	11277		49.7	50.0	-0.6	20.0
alpha-Chlordane	Lin2	11063	10895		50.0	50.0	0.0	20.0
4,4'-DDE	Lin2	10825	10969		50.8	50.0	1.5	20.0
Endosulfan I	Lin2	10580	10219		49.7	50.0	-0.7	20.0
Dieldrin	Lin2	11230	11132		50.2	50.0	0.5	20.0
Endrin	Lin2	8733	9337		54.4	50.0	8.7	20.0
4,4'-DDD	Qua	11727	11362		52.5	50.0	5.0	20.0
Endosulfan II	Lin2	9919	9569		49.6	50.0	-0.9	20.0
4,4'-DDT	Lin2	8812	9185		52.6	50.0	5.1	20.0
Endrin aldehyde	Lin2	8507	8058		49.1	50.0	-1.8	20.0
Methoxychlor	Lin2	4447	4597		54.1	50.0	8.1	20.0
Mirex	Lin2	7482	7133		50.6	50.0	1.2	15.0
Endosulfan sulfate	Lin2	9135	8817		50.2	50.0	0.5	20.0
Endrin ketone	Lin2	10532	10383		50.8	50.0	1.7	20.0
Tetrachloro-m-xylene	Lin2	10194	9452		47.6	50.0	-4.9	20.0
DCB Decachlorobiphenyl	Lin2	7562	7052		49.2	50.0	-1.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-115240/3 Calibration Date: 04/11/2012 11:19

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110011.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.33	4.32	4.35
alpha-BHC	4.51	4.49	4.52
gamma-BHC (Lindane)	4.80	4.79	4.81
beta-BHC	4.88	4.87	4.89
delta-BHC	5.03	5.02	5.04
Heptachlor	5.21	5.20	5.22
Aldrin	5.48	5.47	5.49
Isodrin	5.81	5.79	5.82
Heptachlor epoxide	6.09	6.08	6.11
gamma-Chlordane	6.23	6.21	6.24
alpha-Chlordane	6.37	6.35	6.38
4,4'-DDE	6.44	6.43	6.46
Endosulfan I	6.51	6.49	6.52
Dieldrin	6.75	6.74	6.77
Endrin	6.99	6.97	7.00
4,4'-DDD	7.05	7.04	7.06
Endosulfan II	7.21	7.20	7.22
4,4'-DDT	7.32	7.31	7.34
Endrin aldehyde	7.62	7.60	7.63
Methoxychlor	7.78	7.77	7.79
Mirex	7.93	7.91	7.94
Endosulfan sulfate	8.03	8.01	8.04
Endrin ketone	8.29	8.27	8.30
Tetrachloro-m-xylene	3.92	3.90	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.23

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110011.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 11-APR-2012 11:19
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

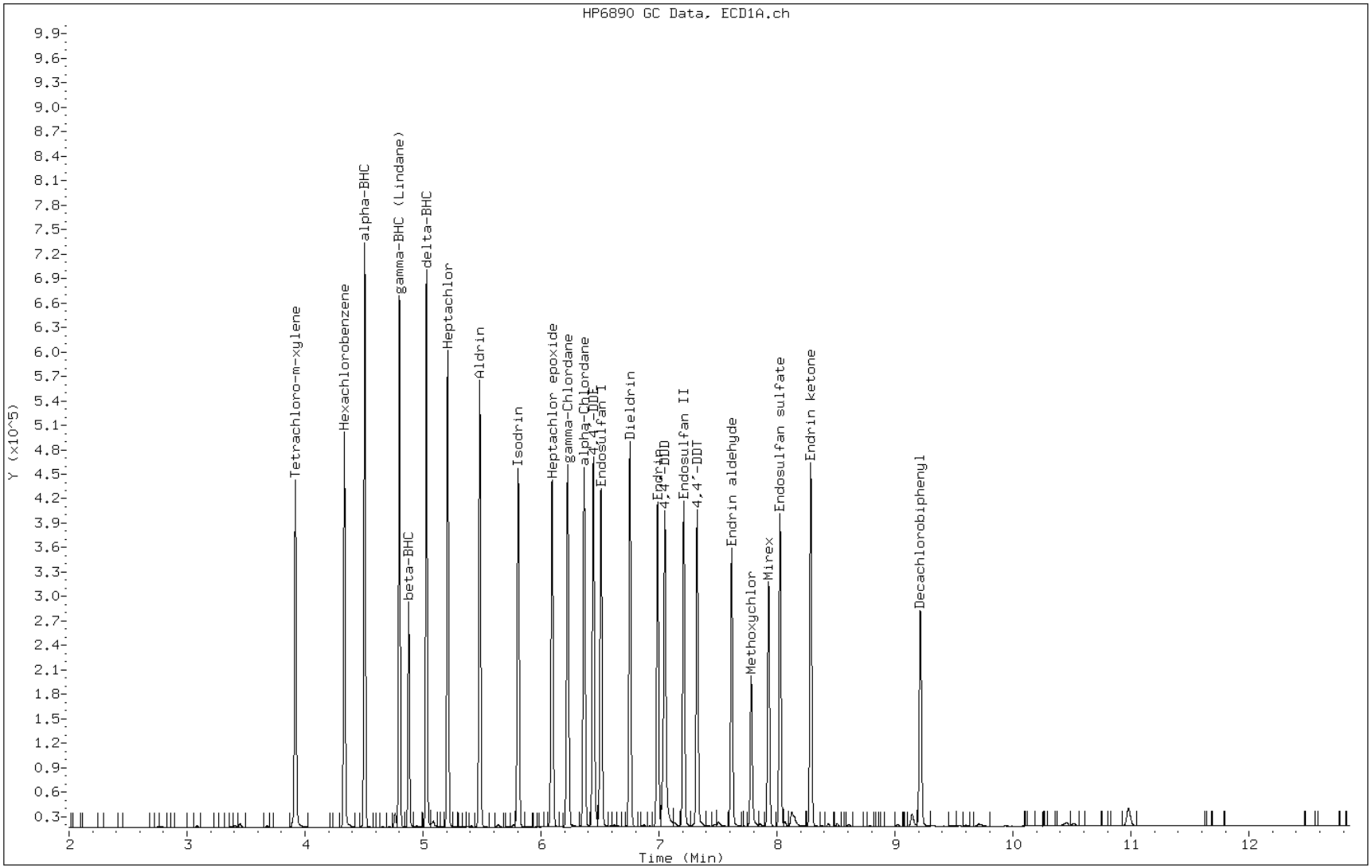
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.917	3.917	0.000	472591	50.0000	47.556
	3 Hexachlorobenzene	4.332	4.332	0.000	489868	50.0000	47.687
	5 alpha-BHC	4.505	4.505	0.000	673894	50.0000	46.352
	6 gamma-BHC (Lindane)	4.799	4.799	0.000	603806	50.0000	46.105
	7 beta-BHC	4.878	4.878	0.000	250876	50.0000	45.940
	8 delta-BHC	5.028	5.028	0.000	613147	50.0000	46.727
	10 Heptachlor	5.208	5.208	0.000	579653	50.0000	48.293
	11 Aldrin	5.480	5.480	0.000	590587	50.0000	48.752
	13 Isodrin	5.806	5.806	0.000	519049	50.0000	49.178
	15 Heptachlor epoxide	6.093	6.093	0.000	533938	50.0000	49.002
	18 gamma-Chlordane	6.225	6.225	0.000	563866	50.0000	49.695
	19 alpha-Chlordane	6.365	6.365	0.000	544759	50.0000	50.012
	20 4,4'-DDE	6.442	6.442	0.000	548448	50.0000	50.754
	21 Endosulfan I	6.507	6.507	0.000	510969	50.0000	49.673
	23 Dieldrin	6.752	6.752	0.000	556597	50.0000	50.227
	25 Endrin	6.987	6.987	0.000	466827	50.0000	54.356
	27 4,4'-DDD	7.048	7.048	0.000	568082	50.0000	52.476
	29 Endosulfan II	7.208	7.208	0.000	478446	50.0000	49.564
	30 4,4'-DDT	7.322	7.322	0.000	459253	50.0000	52.553
	31 Endrin aldehyde	7.615	7.615	0.000	402885	50.0000	49.086
	32 Methoxychlor	7.780	7.780	0.000	229834	50.0000	54.072
	33 Mirex	7.927	7.927	0.000	356665	50.0000	50.611
	34 Endosulfan sulfate	8.025	8.025	0.000	440847	50.0000	50.245
	35 Endrin ketone	8.285	8.285	0.000	519139	50.0000	50.837
$	36 Decachlorobiphenyl	9.213	9.213	0.000	352601	50.0000	49.204

Data File: 04110011.D

Date: 11-APR-2012 11:19

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-115240/3 Calibration Date: 04/11/2012 11:19

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110011.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	11526	10532		47.0	50.0	-5.9	15.0
alpha-BHC	Ave	15607	14260		45.7	50.0	-8.6	20.0
gamma-BHC (Lindane)	Lin2	13922	12657		45.4	50.0	-9.2	20.0
beta-BHC	Lin2	5996	5229		45.0	50.0	-10.0	20.0
delta-BHC	Lin2	14001	12820		45.6	50.0	-8.8	20.0
Heptachlor	Lin2	12338	11540		47.5	50.0	-5.0	20.0
Aldrin	Ave	13324	12834		48.2	50.0	-3.7	20.0
Isodrin	Lin2	11725	11280		48.8	50.0	-2.5	15.0
Heptachlor epoxide	Lin2	11931	11429		48.5	50.0	-3.0	20.0
gamma-Chlordane	Ave	12801	12428		48.5	50.0	-2.9	20.0
alpha-Chlordane	Ave	12453	12074		48.5	50.0	-3.0	20.0
Endosulfan I	Lin2	11519	11052		48.9	50.0	-2.1	20.0
4,4'-DDE	Ave	12298	12147		49.4	50.0	-1.2	20.0
Dieldrin	Ave	12482	12214		48.9	50.0	-2.1	20.0
Endrin	Lin2	9540	9942		53.5	50.0	6.9	20.0
4,4'-DDD	Qua	10883	10353		49.6	50.0	-0.9	20.0
Endosulfan II	Lin2	11185	10758		49.4	50.0	-1.2	20.0
4,4'-DDT	Lin2	8770	9238		52.5	50.0	5.1	20.0
Endrin aldehyde	Lin2	9502	9041		48.9	50.0	-2.2	20.0
Endosulfan sulfate	Lin2	10293	10199		50.5	50.0	1.1	20.0
Methoxychlor	Lin2	4384	4328		51.3	50.0	2.6	20.0
Mirex	Lin2	8299	7914		49.9	50.0	-0.2	15.0
Endrin ketone	Lin2	11452	11159		50.1	50.0	0.2	20.0
Tetrachloro-m-xylene	Lin2	11033	10201		47.1	50.0	-5.9	20.0
DCB Decachlorobiphenyl	Lin2	8824	7875		46.9	50.0	-6.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-115240/3 Calibration Date: 04/11/2012 11:19

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110011.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.27	4.26	4.28
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.81	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.09	5.07	5.10
Aldrin	5.35	5.34	5.37
Isodrin	5.71	5.70	5.73
Heptachlor epoxide	5.89	5.88	5.91
gamma-Chlordane	6.09	6.08	6.11
alpha-Chlordane	6.25	6.23	6.26
Endosulfan I	6.30	6.29	6.32
4,4'-DDE	6.42	6.41	6.44
Dieldrin	6.58	6.57	6.60
Endrin	6.89	6.87	6.90
4,4'-DDD	7.00	6.99	7.02
Endosulfan II	7.09	7.08	7.11
4,4'-DDT	7.31	7.30	7.32
Endrin aldehyde	7.42	7.41	7.43
Endosulfan sulfate	7.68	7.67	7.70
Methoxychlor	7.96	7.94	7.97
Mirex	8.14	8.12	8.15
Endrin ketone	8.17	8.16	8.19
Tetrachloro-m-xylene	3.79	3.77	3.80
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110011.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 11-APR-2012 11:19
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

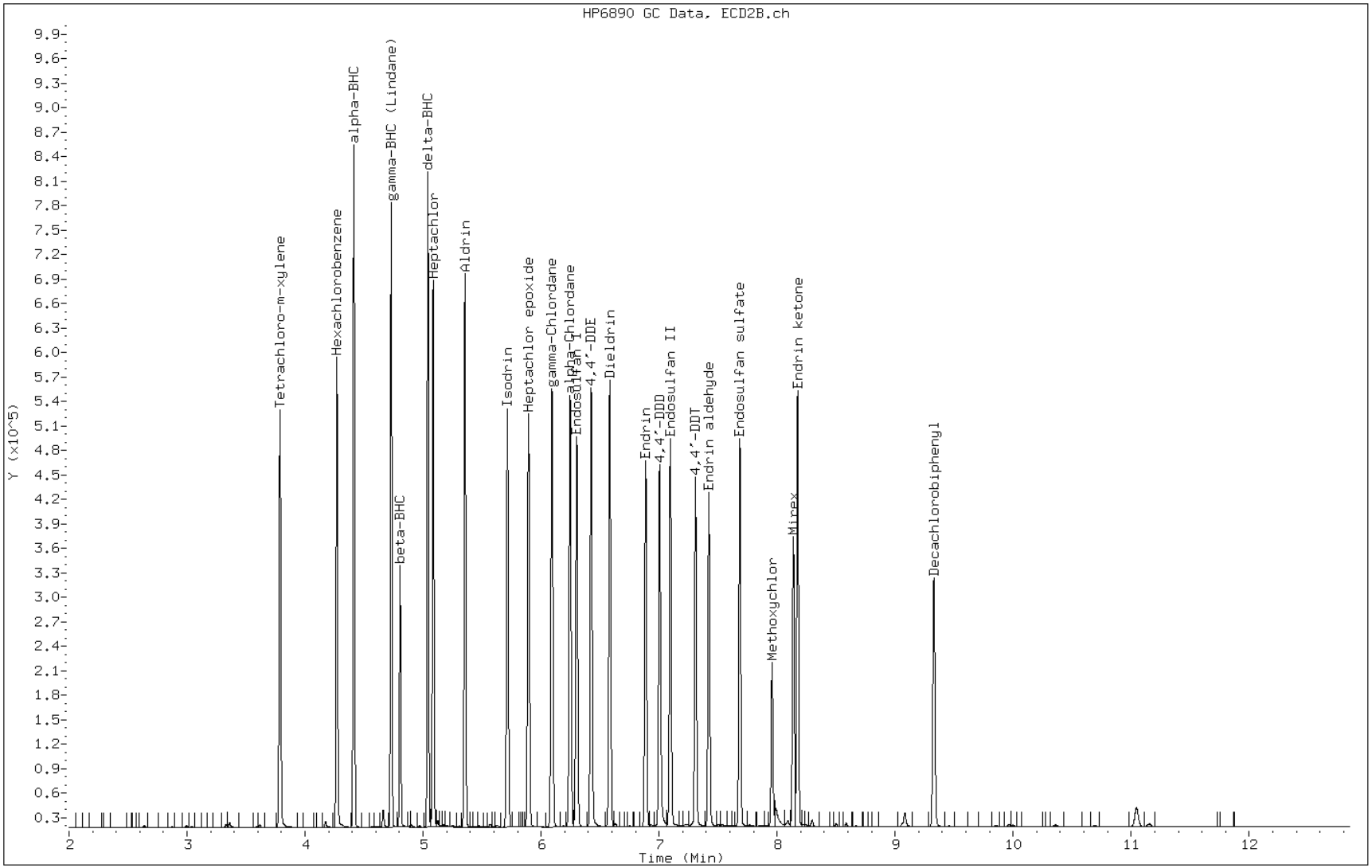
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.787	3.787	0.000	510071	50.0000	47.073
	4 Hexachlorobenzene	4.269	4.269	0.000	526579	50.0000	47.033
	5 alpha-BHC	4.413	4.413	0.000	713024	50.0000	45.685
	6 gamma-BHC (Lindane)	4.729	4.729	0.000	632855	50.0000	45.403
	7 beta-BHC	4.805	4.805	0.000	261471	50.0000	45.025
	9 delta-BHC	5.040	5.040	0.000	640985	50.0000	45.578
	10 Heptachlor	5.085	5.085	0.000	576991	50.0000	47.501
	11 Aldrin	5.354	5.354	0.000	641692	50.0000	48.160
	15 Isodrin	5.714	5.714	0.000	564013	50.0000	48.763
	16 Heptachlor epoxide	5.893	5.893	0.000	571464	50.0000	48.495
	17 gamma-Chlordane	6.092	6.092	0.000	621415	50.0000	48.545
	19 alpha-Chlordane	6.245	6.245	0.000	603694	50.0000	48.479
	20 Endosulfan I	6.302	6.302	0.000	552586	50.0000	48.937
	21 4,4'-DDE	6.423	6.423	0.000	607337	50.0000	49.385
	22 Dieldrin	6.582	6.582	0.000	610720	50.0000	48.929
	25 Endrin	6.886	6.886	0.000	497079	50.0000	53.471
	28 4,4'-DDD	7.003	7.003	0.000	517656	50.0000	49.560
	29 Endosulfan II	7.094	7.094	0.000	537895	50.0000	49.393
	30 4,4'-DDT	7.308	7.308	0.000	461903	50.0000	52.548
	31 Endrin aldehyde	7.421	7.421	0.000	452043	50.0000	48.922
	32 Endosulfan sulfate	7.683	7.683	0.000	509970	50.0000	50.529
	33 Methoxychlor	7.956	7.956	0.000	216415	50.0000	51.291
	34 Mirex	8.137	8.137	0.000	395684	50.0000	49.875
	35 Endrin ketone	8.173	8.173	0.000	557940	50.0000	50.086
$	36 Decachlorobiphenyl	9.328	9.328	0.000	393757	50.0000	46.889

Data File: 04110011.D

Date: 11-APR-2012 11:19

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/17 Calibration Date: 04/11/2012 18:15

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110036.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	10612	10165		49.5	50.0	-1.0	15.0
alpha-BHC	Ave	14539	14089		48.5	50.0	-3.1	20.0
gamma-BHC (Lindane)	Ave	13096	12595		48.1	50.0	-3.8	20.0
beta-BHC	Lin2	5674	5239		48.0	50.0	-4.0	20.0
delta-BHC	Ave	13122	12856		49.0	50.0	-2.0	20.0
Heptachlor	Lin2	12181	12187		50.8	50.0	1.6	20.0
Aldrin	Ave	12114	12231		50.5	50.0	1.0	20.0
Isodrin	Lin2	10754	10739		50.9	50.0	1.8	15.0
Heptachlor epoxide	Lin2	11177	11206		51.4	50.0	2.9	20.0
gamma-Chlordane	Lin2	11508	11769		51.9	50.0	3.8	20.0
alpha-Chlordane	Lin2	11063	11372		52.2	50.0	4.4	20.0
4,4'-DDE	Lin2	10825	11494		53.2	50.0	6.4	20.0
Endosulfan I	Lin2	10580	10573		51.4	50.0	2.8	20.0
Dieldrin	Lin2	11230	11619		52.4	50.0	4.9	20.0
Endrin	Lin2	8733	9861		57.4	50.0	14.9	20.0
4,4'-DDD	Qua	11727	11300		52.2	50.0	4.4	20.0
Endosulfan II	Lin2	9919	10119		52.4	50.0	4.9	20.0
4,4'-DDT	Lin2	8812	9931		56.8	50.0	13.7	20.0
Endrin aldehyde	Lin2	8507	8294		50.6	50.0	1.1	20.0
Methoxychlor	Lin2	4447	4844		57.0	50.0	14.1	20.0
Mirex	Lin2	7482	7365		52.3	50.0	4.6	15.0
Endosulfan sulfate	Lin2	9135	9206		52.5	50.0	5.0	20.0
Endrin ketone	Lin2	10532	10843		53.1	50.0	6.2	20.0
Tetrachloro-m-xylene	Lin2	10194	9836		49.5	50.0	-1.0	20.0
DCB Decachlorobiphenyl	Lin2	7562	7305		51.0	50.0	2.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/17 Calibration Date: 04/11/2012 18:15

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110036.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.33	4.32	4.35
alpha-BHC	4.50	4.49	4.52
gamma-BHC (Lindane)	4.80	4.79	4.81
beta-BHC	4.88	4.87	4.89
delta-BHC	5.03	5.02	5.04
Heptachlor	5.21	5.20	5.22
Aldrin	5.48	5.47	5.49
Isodrin	5.80	5.79	5.82
Heptachlor epoxide	6.09	6.08	6.11
gamma-Chlordane	6.22	6.21	6.24
alpha-Chlordane	6.36	6.35	6.38
4,4'-DDE	6.44	6.43	6.46
Endosulfan I	6.51	6.49	6.52
Dieldrin	6.75	6.74	6.77
Endrin	6.99	6.97	7.00
4,4'-DDD	7.05	7.04	7.06
Endosulfan II	7.21	7.20	7.22
4,4'-DDT	7.32	7.31	7.34
Endrin aldehyde	7.61	7.60	7.63
Methoxychlor	7.78	7.77	7.79
Mirex	7.93	7.91	7.94
Endosulfan sulfate	8.02	8.01	8.04
Endrin ketone	8.28	8.27	8.30
Tetrachloro-m-xylene	3.92	3.90	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.23

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110036.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 11-APR-2012 18:15
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 30 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

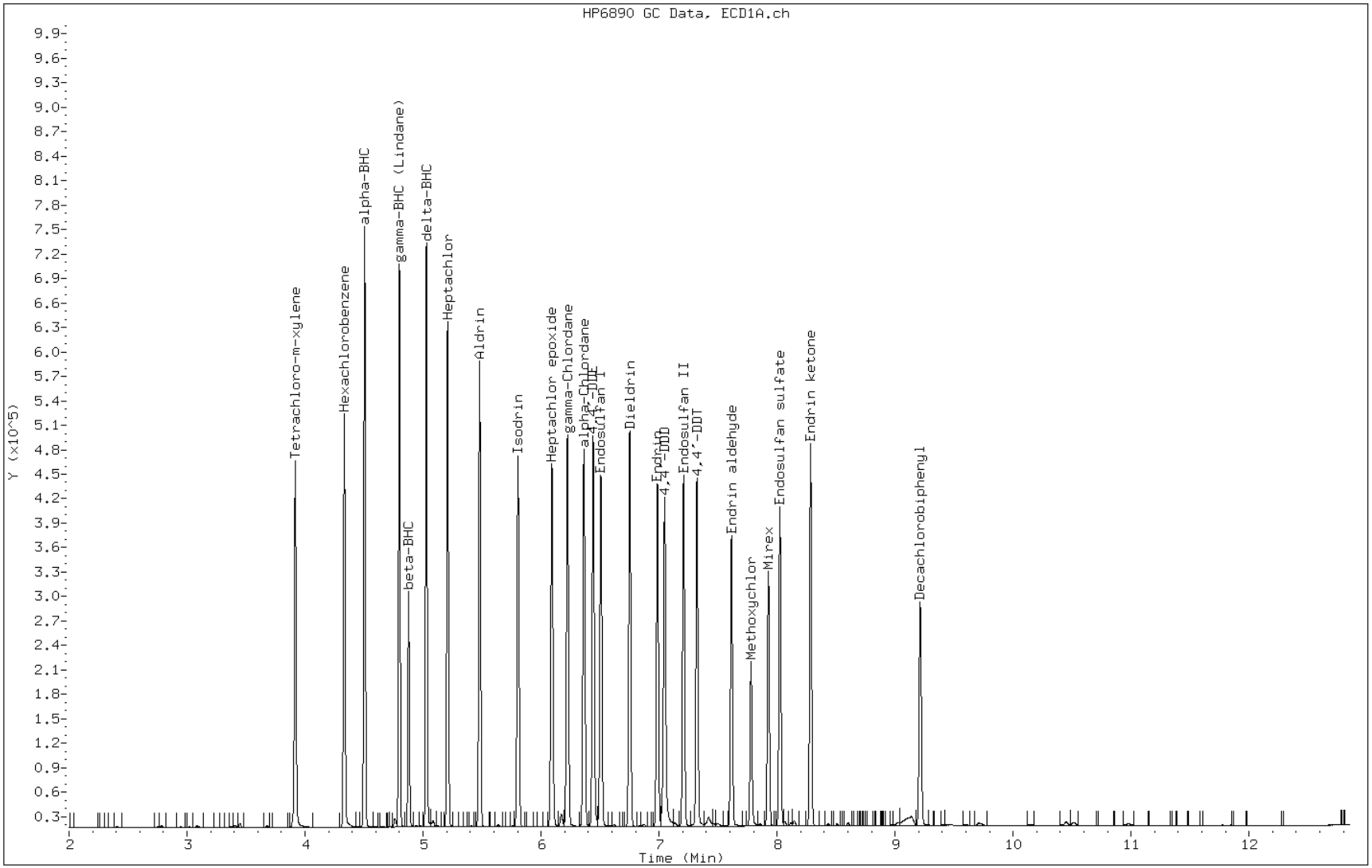
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.917	3.917	0.000	491821	50.0000	49.513
	3 Hexachlorobenzene	4.332	4.332	0.000	508262	50.0000	49.503
	5 alpha-BHC	4.504	4.505	-0.001	704448	50.0000	48.453
	6 gamma-BHC (Lindane)	4.798	4.799	-0.001	629766	50.0000	48.087
	7 beta-BHC	4.877	4.878	-0.001	261941	50.0000	48.002
	8 delta-BHC	5.027	5.028	-0.001	642815	50.0000	48.988
	10 Heptachlor	5.207	5.208	-0.001	609359	50.0000	50.784
	11 Aldrin	5.479	5.480	-0.001	611553	50.0000	50.482
	13 Isodrin	5.804	5.806	-0.002	536966	50.0000	50.889
	15 Heptachlor epoxide	6.091	6.093	-0.002	560275	50.0000	51.446
	18 gamma-Chlordane	6.223	6.225	-0.002	588468	50.0000	51.876
	19 alpha-Chlordane	6.362	6.365	-0.003	568615	50.0000	52.216
	20 4,4'-DDE	6.441	6.442	-0.001	574704	50.0000	53.186
	21 Endosulfan I	6.507	6.507	0.000	528642	50.0000	51.412
	23 Dieldrin	6.751	6.752	-0.001	580931	50.0000	52.435
	25 Endrin	6.986	6.987	-0.001	493044	50.0000	57.427
	27 4,4'-DDD	7.046	7.048	-0.002	565019	50.0000	52.225
	29 Endosulfan II	7.207	7.208	-0.001	505947	50.0000	52.446
	30 4,4'-DDT	7.321	7.322	-0.001	496526	50.0000	56.832
	31 Endrin aldehyde	7.613	7.615	-0.002	414719	50.0000	50.550
	32 Methoxychlor	7.778	7.780	-0.002	242181	50.0000	57.026
	33 Mirex	7.926	7.927	-0.001	368233	50.0000	52.293
	34 Endosulfan sulfate	8.023	8.025	-0.002	460303	50.0000	52.499
	35 Endrin ketone	8.283	8.285	-0.002	542139	50.0000	53.117
$	36 Decachlorobiphenyl	9.212	9.213	-0.001	365254	50.0000	51.011

Data File: 04110036.D

Date: 11-APR-2012 18:15

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/17 Calibration Date: 04/11/2012 18:15

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110036.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	11526	10746		48.0	50.0	-4.0	15.0
alpha-BHC	Ave	15607	14990		48.0	50.0	-4.0	20.0
gamma-BHC (Lindane)	Lin2	13922	13335		47.8	50.0	-4.3	20.0
beta-BHC	Lin2	5996	5572		48.0	50.0	-4.0	20.0
delta-BHC	Lin2	14001	13665		48.6	50.0	-2.8	20.0
Heptachlor	Lin2	12338	12190		50.2	50.0	0.4	20.0
Aldrin	Ave	13324	13004		48.8	50.0	-2.4	20.0
Isodrin	Lin2	11725	11619		50.2	50.0	0.5	15.0
Heptachlor epoxide	Lin2	11931	12059		51.2	50.0	2.4	20.0
gamma-Chlordane	Ave	12801	12885		50.3	50.0	0.7	20.0
alpha-Chlordane	Ave	12453	12473		50.1	50.0	0.2	20.0
Endosulfan I	Lin2	11519	11448		50.7	50.0	1.4	20.0
4,4'-DDE	Ave	12298	12781		52.0	50.0	3.9	20.0
Dieldrin	Ave	12482	12467		49.9	50.0	-0.1	20.0
Endrin	Lin2	9540	10909		58.7	50.0	17.5	20.0
4,4'-DDD	Qua	10883	10710		51.1	50.0	2.1	20.0
Endosulfan II	Lin2	11185	11145		51.2	50.0	2.4	20.0
4,4'-DDT	Lin2	8770	9768		55.6	50.0	11.1	20.0
Endrin aldehyde	Lin2	9502	9293		50.3	50.0	0.6	20.0
Endosulfan sulfate	Lin2	10293	10577		52.4	50.0	4.8	20.0
Methoxychlor	Lin2	4384	4945		58.7	50.0	17.4	20.0
Mirex	Lin2	8299	8076		50.9	50.0	1.8	15.0
Endrin ketone	Lin2	11452	11798		53.0	50.0	6.0	20.0
Tetrachloro-m-xylene	Lin2	11033	10378		47.9	50.0	-4.2	20.0
DCB Decachlorobiphenyl	Lin2	8824	8089		48.2	50.0	-3.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/17 Calibration Date: 04/11/2012 18:15

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110036.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.27	4.26	4.28
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.80	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.10
Aldrin	5.35	5.34	5.37
Isodrin	5.71	5.70	5.73
Heptachlor epoxide	5.89	5.88	5.91
gamma-Chlordane	6.09	6.08	6.11
alpha-Chlordane	6.24	6.23	6.26
Endosulfan I	6.30	6.29	6.32
4,4'-DDE	6.42	6.41	6.44
Dieldrin	6.58	6.57	6.60
Endrin	6.89	6.87	6.90
4,4'-DDD	7.00	6.99	7.02
Endosulfan II	7.09	7.08	7.11
4,4'-DDT	7.31	7.30	7.32
Endrin aldehyde	7.42	7.41	7.43
Endosulfan sulfate	7.68	7.67	7.70
Methoxychlor	7.96	7.94	7.97
Mirex	8.14	8.12	8.15
Endrin ketone	8.17	8.16	8.19
Tetrachloro-m-xylene	3.79	3.77	3.80
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110036.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 11-APR-2012 18:15
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 30 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

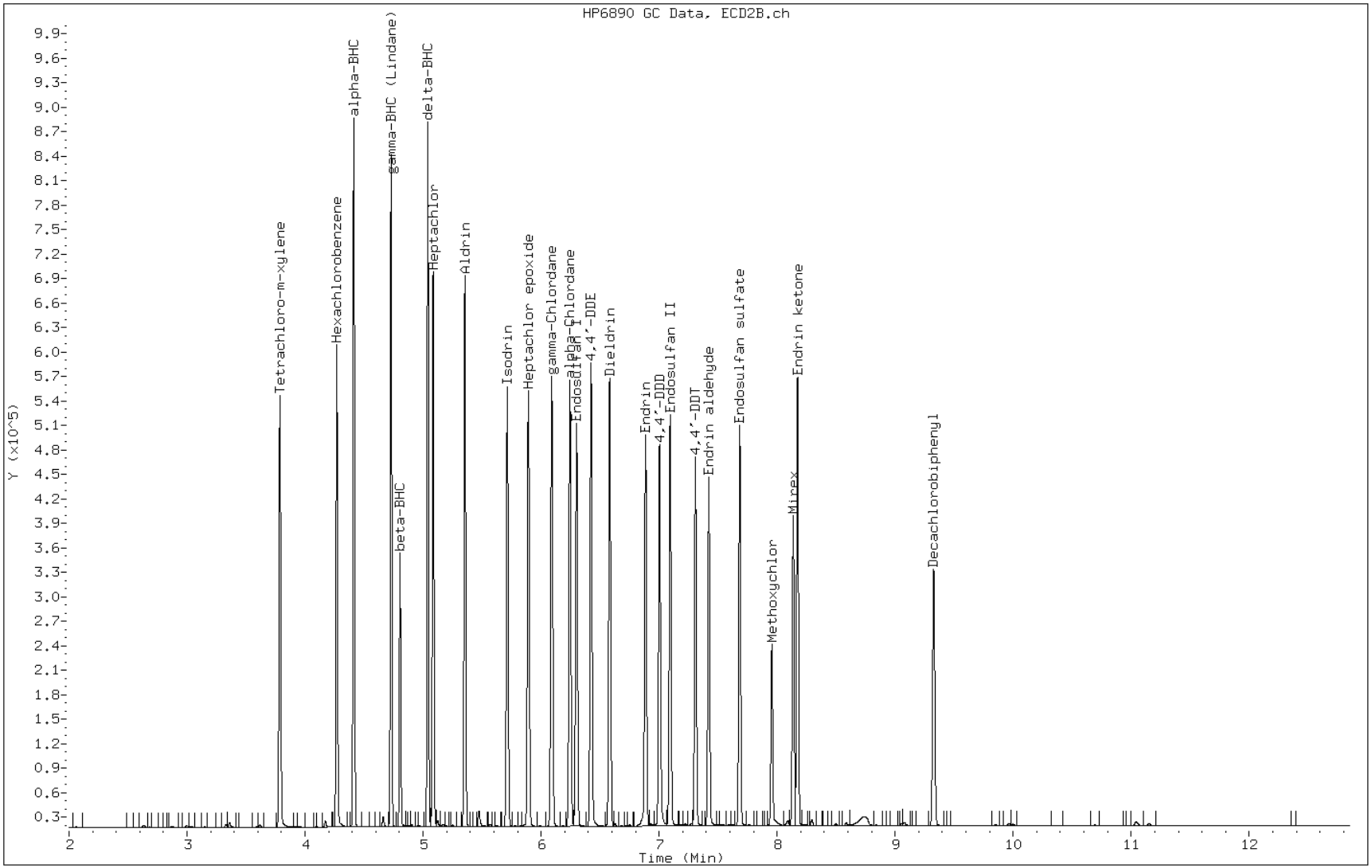
						AMOUNTS	
						CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(ng/ml)	(ng/ml)
$ 2 Tetrachloro-m-xylene	3.786	3.787	-0.001	518891		50.0000	47.893
4 Hexachlorobenzene	4.268	4.269	-0.001	537298		50.0000	48.003
5 alpha-BHC	4.413	4.413	0.000	749483		50.0000	48.022
6 gamma-BHC (Lindane)	4.728	4.729	-0.001	666767		50.0000	47.836
7 beta-BHC	4.804	4.805	-0.001	278622		50.0000	48.023
9 delta-BHC	5.039	5.040	-0.001	683234		50.0000	48.577
10 Heptachlor	5.084	5.085	-0.001	609496		50.0000	50.197
11 Aldrin	5.353	5.354	-0.001	650223		50.0000	48.801
15 Isodrin	5.713	5.714	-0.001	580928		50.0000	50.234
16 Heptachlor epoxide	5.892	5.893	-0.001	602951		50.0000	51.182
17 gamma-Chlordane	6.089	6.092	-0.003	644243		50.0000	50.328
19 alpha-Chlordane	6.243	6.245	-0.002	623645		50.0000	50.081
20 Endosulfan I	6.300	6.302	-0.002	572415		50.0000	50.708
21 4,4'-DDE	6.423	6.423	0.000	639046		50.0000	51.963
22 Dieldrin	6.581	6.582	-0.001	623332		50.0000	49.940
25 Endrin	6.885	6.886	-0.001	545460		50.0000	58.726
28 4,4'-DDD	7.003	7.003	0.000	535520		50.0000	51.055
29 Endosulfan II	7.093	7.094	-0.001	557252		50.0000	51.191
30 4,4'-DDT	7.308	7.308	0.000	488388		50.0000	55.560
31 Endrin aldehyde	7.421	7.421	0.000	464643		50.0000	50.302
32 Endosulfan sulfate	7.683	7.683	0.000	528859		50.0000	52.416
33 Methoxychlor	7.955	7.956	-0.001	247234		50.0000	58.708
34 Mirex	8.136	8.137	-0.001	403805		50.0000	50.918
35 Endrin ketone	8.173	8.173	0.000	589895		50.0000	52.988
$ 36 Decachlorobiphenyl	9.326	9.328	-0.002	404464		50.0000	48.192

Data File: 04110036.D

Date: 11-APR-2012 18:15

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/18 Calibration Date: 04/11/2012 18:32

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04110037.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2	30.30	30.57		162	200	-18.8*	15.0
Toxaphene Peak 2	Lin2	116.9	114.7		176	200	-12.1	15.0
Toxaphene Peak 3	Lin2	154.2	185.9		212	200	6.2	15.0
Toxaphene Peak 4	Lin2	235.3	232.2		203	200	1.5	15.0
Toxaphene Peak 5	Lin2	358.6	358.1		198	200	-1.1	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/18 Calibration Date: 04/11/2012 18:32

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04110037.D

Analyte	RT	RT WINDOW	
		TO	FROM
Toxaphene Peak 1	5.66	5.64	5.67
Toxaphene Peak 2	6.34	6.32	6.35
Toxaphene Peak 3	7.08	7.06	7.09
Toxaphene Peak 4	7.64	7.63	7.66
Toxaphene Peak 5	7.93	7.92	7.95

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110037.D
Lab Smp Id: CCV-1322857 TOX
Inj Date : 11-APR-2012 18:32
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1322857 TOX
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 31 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC359

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.655	5.655	0.000	6114	200.000	162.45	80.00- 120.00	100.00(M)
6.336	6.337	-0.001	22943	200.000	175.75	319.98- 479.98	375.25
7.077	7.077	0.000	37173	200.000	212.42	580.46- 870.69	608.00
7.644	7.645	-0.001	46435	200.000	203.04	708.94-1063.41	759.49
7.934	7.933	0.001	71620	200.000	197.81	1092.80-1639.20	1171.41
Average of Peak Amounts =					190.294		

QC Flag Legend

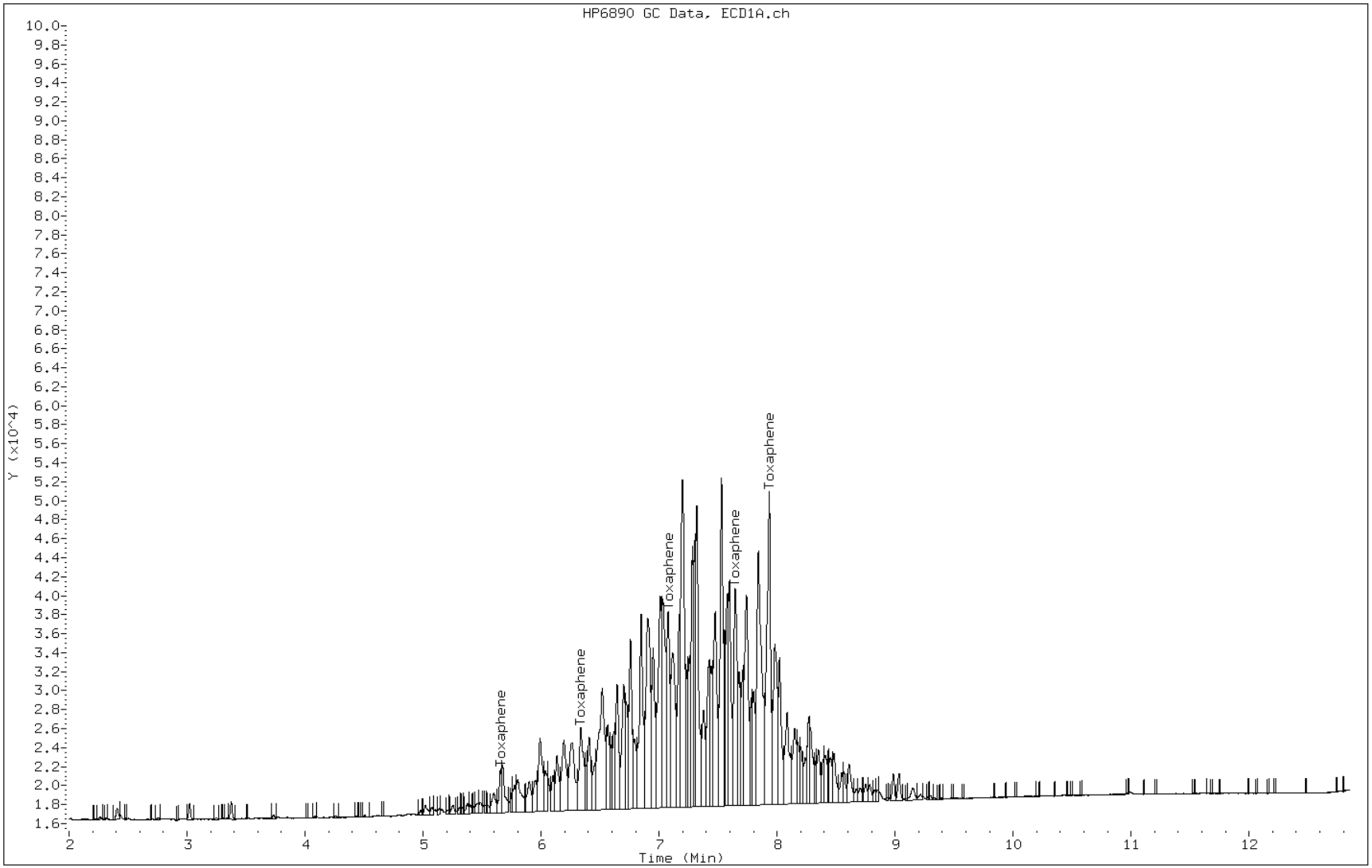
M - Compound response manually integrated.

Data File: 04110037.D

Date: 11-APR-2012 18:32

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1322857 TOX Operator: DW



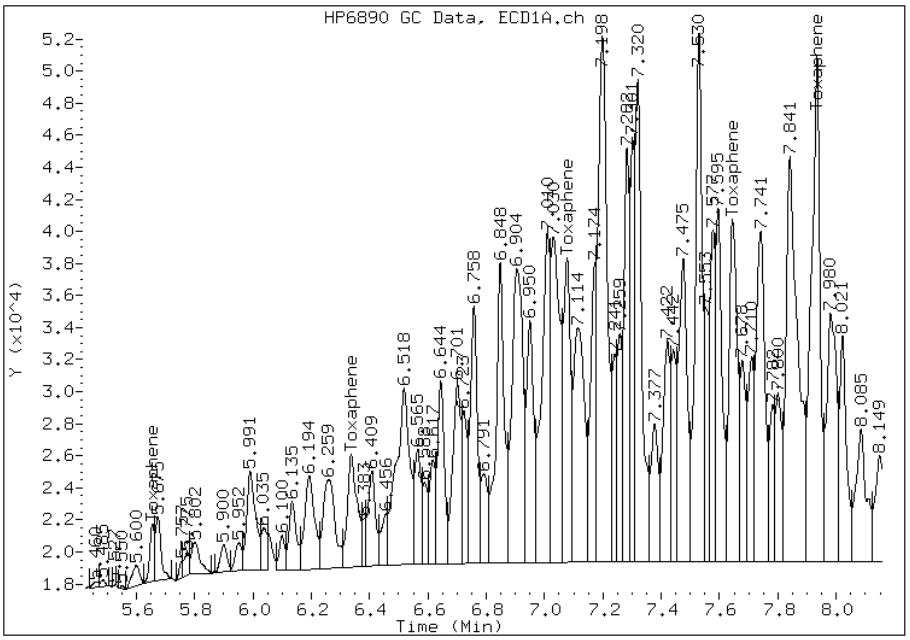
Manual Integration Report

Data File: 04110037.D
Inj. Date and Time: 11-APR-2012 18:32
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/12/2012

Processing Integration Results

RT	Response	Conc
5.66	3903*	83.66
6.34	16242*	116.13
7.08	32939*	183.29
7.64	41817*	183.67
7.93	66027*	182.18

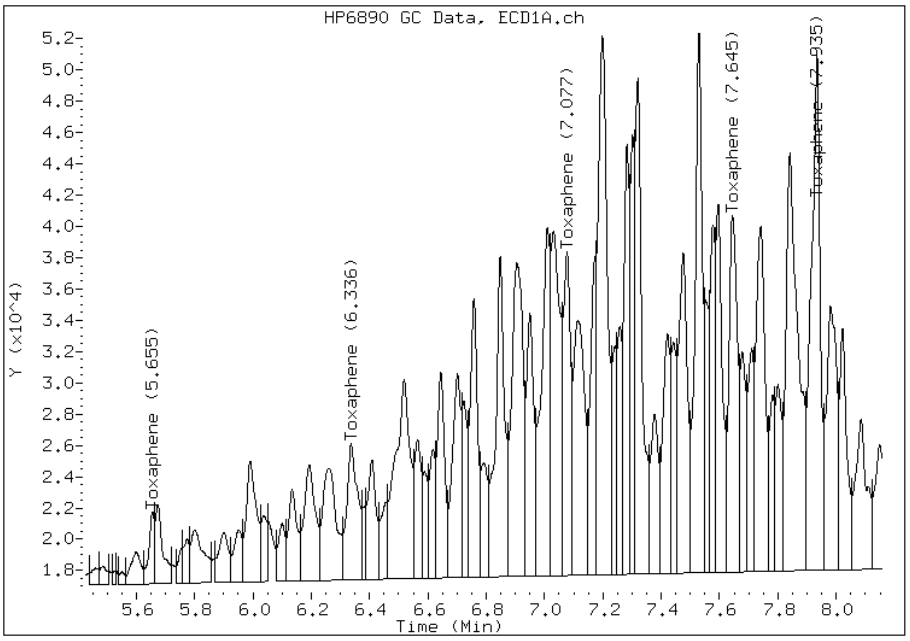
Final Conc		149.79



Manual Integration Results

RT	Response	Conc
5.66	6114*	162.45
6.34	22943*	175.75
7.08	37173*	212.42
7.64	46435*	203.04
7.93	71620*	197.81

Final Conc		190.29



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/29 Calibration Date: 04/11/2012 21:34

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110048.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	10612	10149		49.4	50.0	-1.2	15.0
alpha-BHC	Ave	14539	14331		49.3	50.0	-1.4	20.0
gamma-BHC (Lindane)	Ave	13096	12775		48.8	50.0	-2.5	20.0
beta-BHC	Lin2	5674	5397		49.5	50.0	-1.1	20.0
delta-BHC	Ave	13122	13169		50.2	50.0	0.4	20.0
Heptachlor	Lin2	12181	12234		51.0	50.0	2.0	20.0
Aldrin	Ave	12114	11904		49.1	50.0	-1.7	20.0
Isodrin	Lin2	10754	10594		50.2	50.0	0.4	15.0
Heptachlor epoxide	Lin2	11177	11131		51.1	50.0	2.2	20.0
gamma-Chlordane	Lin2	11508	11546		50.9	50.0	1.8	20.0
alpha-Chlordane	Lin2	11063	11058		50.8	50.0	1.5	20.0
4,4'-DDE	Lin2	10825	11195		51.8	50.0	3.6	20.0
Endosulfan I	Lin2	10580	10239		49.8	50.0	-0.5	20.0
Dieldrin	Lin2	11230	10931		49.3	50.0	-1.4	20.0
Endrin	Lin2	8733	9101		53.0	50.0	5.9	20.0
4,4'-DDD	Qua	11727	10770		50.0	50.0	0.0	20.0
Endosulfan II	Lin2	9919	9298		48.1	50.0	-3.7	20.0
4,4'-DDT	Lin2	8812	8276		47.3	50.0	-5.3	20.0
Endrin aldehyde	Lin2	8507	7275		44.2	50.0	-11.5	20.0
Methoxychlor	Lin2	4447	4181		49.1	50.0	-1.8	20.0
Mirex	Lin2	7482	6224		44.0	50.0	-12.0	15.0
Endosulfan sulfate	Lin2	9135	8249		47.0	50.0	-6.1	20.0
Endrin ketone	Lin2	10532	9495		46.4	50.0	-7.1	20.0
Tetrachloro-m-xylene	Lin2	10194	9988		50.3	50.0	0.6	20.0
DCB Decachlorobiphenyl	Lin2	7562	6426		44.7	50.0	-10.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/29 Calibration Date: 04/11/2012 21:34

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110048.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.33	4.32	4.35
alpha-BHC	4.51	4.49	4.52
gamma-BHC (Lindane)	4.80	4.79	4.81
beta-BHC	4.88	4.87	4.89
delta-BHC	5.03	5.02	5.04
Heptachlor	5.21	5.20	5.22
Aldrin	5.48	5.47	5.49
Isodrin	5.80	5.79	5.82
Heptachlor epoxide	6.09	6.08	6.11
gamma-Chlordane	6.22	6.21	6.24
alpha-Chlordane	6.36	6.35	6.38
4,4'-DDE	6.44	6.43	6.46
Endosulfan I	6.51	6.49	6.52
Dieldrin	6.75	6.74	6.77
Endrin	6.99	6.97	7.00
4,4'-DDD	7.05	7.04	7.06
Endosulfan II	7.21	7.20	7.22
4,4'-DDT	7.32	7.31	7.34
Endrin aldehyde	7.61	7.60	7.63
Methoxychlor	7.78	7.77	7.79
Mirex	7.93	7.91	7.94
Endosulfan sulfate	8.02	8.01	8.04
Endrin ketone	8.28	8.27	8.30
Tetrachloro-m-xylene	3.92	3.90	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.23

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110048.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 11-APR-2012 21:34
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 42 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

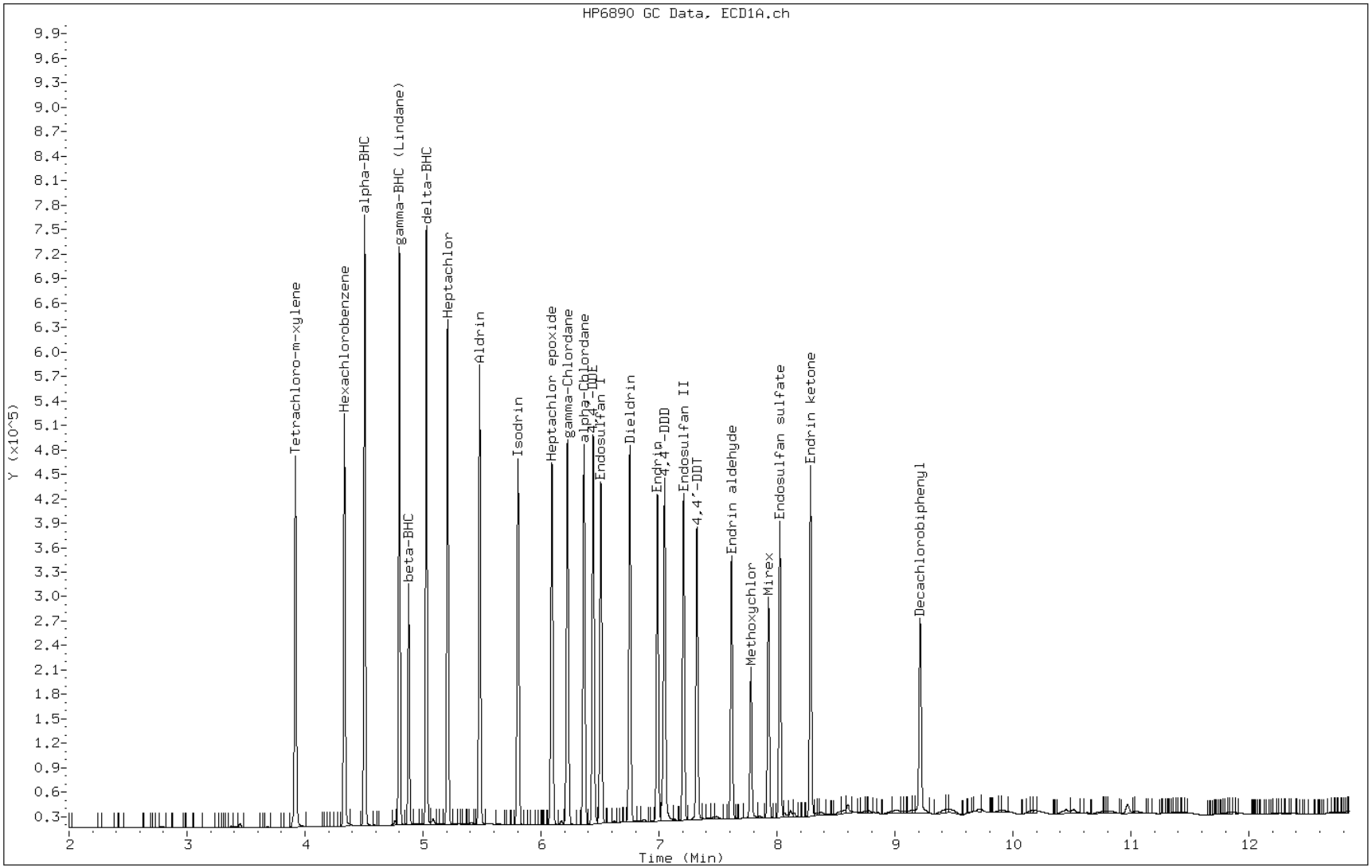
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 2	Tetrachloro-m-xylene	3.918	3.917	0.001	499382	50.0000	50.282
3	Hexachlorobenzene	4.332	4.332	0.000	507437	50.0000	49.422
5	alpha-BHC	4.505	4.505	0.000	716569	50.0000	49.287
6	gamma-BHC (Lindane)	4.798	4.799	-0.001	638769	50.0000	48.774
7	beta-BHC	4.877	4.878	-0.001	269843	50.0000	49.474
8	delta-BHC	5.027	5.028	-0.001	658468	50.0000	50.181
10	Heptachlor	5.207	5.208	-0.001	611715	50.0000	50.982
11	Aldrin	5.479	5.480	-0.001	595216	50.0000	49.134
13	Isodrin	5.804	5.806	-0.002	529706	50.0000	50.195
15	Heptachlor epoxide	6.092	6.093	-0.001	556573	50.0000	51.103
18	gamma-Chlordane	6.223	6.225	-0.002	577294	50.0000	50.885
19	alpha-Chlordane	6.363	6.365	-0.002	552903	50.0000	50.765
20	4,4'-DDE	6.441	6.442	-0.001	559756	50.0000	51.801
21	Endosulfan I	6.507	6.507	0.000	511934	50.0000	49.768
23	Dieldrin	6.752	6.752	0.000	546527	50.0000	49.313
25	Endrin	6.986	6.987	-0.001	455026	50.0000	52.973
27	4,4'-DDD	7.046	7.048	-0.002	538479	50.0000	50.026
29	Endosulfan II	7.207	7.208	-0.001	464907	50.0000	48.146
30	4,4'-DDT	7.321	7.322	-0.001	413787	50.0000	47.334
31	Endrin aldehyde	7.613	7.615	-0.002	363774	50.0000	44.248
32	Methoxychlor	7.777	7.780	-0.003	209064	50.0000	49.104
33	Mirex	7.927	7.927	0.000	311207	50.0000	44.003
34	Endosulfan sulfate	8.023	8.025	-0.002	412463	50.0000	46.957
35	Endrin ketone	8.283	8.285	-0.002	474740	50.0000	46.434
$ 36	Decachlorobiphenyl	9.212	9.213	-0.001	321319	50.0000	44.739

Data File: 04110048.D

Date: 11-APR-2012 21:34

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/29 Calibration Date: 04/11/2012 21:34

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110048.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	11526	10954		48.9	50.0	-2.1	15.0
alpha-BHC	Ave	15607	15659		50.2	50.0	0.3	20.0
gamma-BHC (Lindane)	Lin2	13922	13901		49.9	50.0	-0.3	20.0
beta-BHC	Lin2	5996	5903		50.9	50.0	1.8	20.0
delta-BHC	Lin2	14001	14387		51.1	50.0	2.3	20.0
Heptachlor	Lin2	12338	12298		50.6	50.0	1.3	20.0
Aldrin	Ave	13324	12712		47.7	50.0	-4.6	20.0
Isodrin	Lin2	11725	11209		48.5	50.0	-3.1	15.0
Heptachlor epoxide	Lin2	11931	11701		49.7	50.0	-0.7	20.0
gamma-Chlordane	Ave	12801	12580		49.1	50.0	-1.7	20.0
alpha-Chlordane	Ave	12453	12022		48.3	50.0	-3.5	20.0
Endosulfan I	Lin2	11519	11132		49.3	50.0	-1.4	20.0
4,4'-DDE	Ave	12298	12273		49.9	50.0	-0.2	20.0
Dieldrin	Ave	12482	12164		48.7	50.0	-2.5	20.0
Endrin	Lin2	9540	9956		53.5	50.0	7.1	20.0
4,4'-DDD	Qua	10883	10693		51.0	50.0	2.0	20.0
Endosulfan II	Lin2	11185	10241		47.0	50.0	-6.0	20.0
4,4'-DDT	Lin2	8770	8030		45.7	50.0	-8.6	20.0
Endrin aldehyde	Lin2	9502	8290		44.8	50.0	-10.4	20.0
Endosulfan sulfate	Lin2	10293	9415		46.6	50.0	-6.8	20.0
Methoxychlor	Lin2	4384	4115		48.7	50.0	-2.6	20.0
Mirex	Lin2	8299	6642		41.7	50.0	-16.6*	15.0
Endrin ketone	Lin2	11452	10079		45.2	50.0	-9.6	20.0
Tetrachloro-m-xylene	Lin2	11033	10566		48.8	50.0	-2.5	20.0
DCB Decachlorobiphenyl	Lin2	8824	6786		40.3	50.0	-19.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/29 Calibration Date: 04/11/2012 21:34

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110048.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.27	4.26	4.28
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.81	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.10
Aldrin	5.35	5.34	5.37
Isodrin	5.71	5.70	5.73
Heptachlor epoxide	5.89	5.88	5.91
gamma-Chlordane	6.09	6.08	6.11
alpha-Chlordane	6.24	6.23	6.26
Endosulfan I	6.30	6.29	6.32
4,4'-DDE	6.42	6.41	6.44
Dieldrin	6.58	6.57	6.60
Endrin	6.89	6.87	6.90
4,4'-DDD	7.00	6.99	7.02
Endosulfan II	7.09	7.08	7.11
4,4'-DDT	7.31	7.30	7.32
Endrin aldehyde	7.42	7.41	7.43
Endosulfan sulfate	7.68	7.67	7.70
Methoxychlor	7.95	7.94	7.97
Mirex	8.14	8.12	8.15
Endrin ketone	8.17	8.16	8.19
Tetrachloro-m-xylene	3.79	3.77	3.80
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110048.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 11-APR-2012 21:34
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 42 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

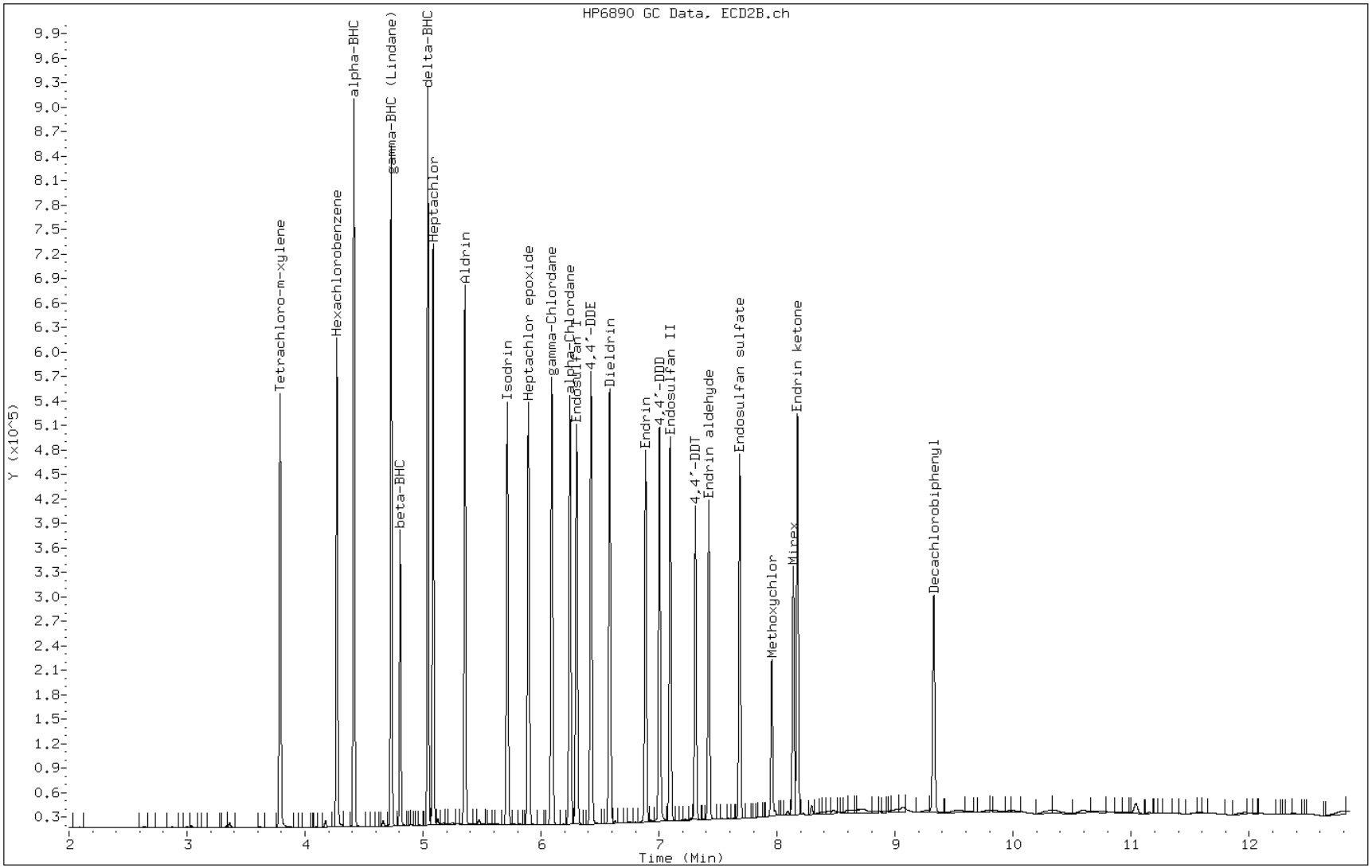
					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$ 2 Tetrachloro-m-xylene	3.788	3.787	0.001	528293	50.0000	48.768
4 Hexachlorobenzene	4.268	4.269	-0.001	547719	50.0000	48.946
5 alpha-BHC	4.413	4.413	0.000	782968	50.0000	50.167
6 gamma-BHC (Lindane)	4.729	4.729	0.000	695055	50.0000	49.865
7 beta-BHC	4.805	4.805	0.000	295143	50.0000	50.911
9 delta-BHC	5.040	5.040	0.000	719362	50.0000	51.142
10 Heptachlor	5.084	5.085	-0.001	614909	50.0000	50.646
11 Aldrin	5.354	5.354	0.000	635607	50.0000	47.704
15 Isodrin	5.713	5.714	-0.001	560469	50.0000	48.454
16 Heptachlor epoxide	5.892	5.893	-0.001	585027	50.0000	49.652
17 gamma-Chlordane	6.090	6.092	-0.002	628975	50.0000	49.135
19 alpha-Chlordane	6.243	6.245	-0.002	601099	50.0000	48.271
20 Endosulfan I	6.300	6.302	-0.002	556585	50.0000	49.294
21 4,4'-DDE	6.423	6.423	0.000	613629	50.0000	49.896
22 Dieldrin	6.581	6.582	-0.001	608203	50.0000	48.728
25 Endrin	6.885	6.886	-0.001	497792	50.0000	53.548
28 4,4'-DDD	7.003	7.003	0.000	534644	50.0000	50.982
29 Endosulfan II	7.093	7.094	-0.001	512039	50.0000	46.992
30 4,4'-DDT	7.307	7.308	-0.001	401510	50.0000	45.682
31 Endrin aldehyde	7.421	7.421	0.000	414510	50.0000	44.811
32 Endosulfan sulfate	7.683	7.683	0.000	470763	50.0000	46.612
33 Methoxychlor	7.954	7.956	-0.002	205737	50.0000	48.721
34 Mirex	8.136	8.137	-0.001	332076	50.0000	41.708
35 Endrin ketone	8.172	8.173	-0.001	503934	50.0000	45.181
$ 36 Decachlorobiphenyl	9.327	9.328	-0.001	339303	50.0000	40.260

Data File: 04110048.D

Date: 11-APR-2012 21:34

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/30 Calibration Date: 04/11/2012 21:51

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04110049.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2	30.30	22.63		106	200	-47.1*	15.0
Toxaphene Peak 2	Lin2	116.9	83.42		120	200	-40.0*	15.0
Toxaphene Peak 3	Lin2	154.2	145.7		157	200	-21.4*	15.0
Toxaphene Peak 4	Lin2	235.3	199.9		176	200	-12.0	15.0
Toxaphene Peak 5	Lin2	358.6	328.6		181	200	-9.3	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/30 Calibration Date: 04/11/2012 21:51

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04110049.D

Analyte	RT	RT WINDOW	
		TO	FROM
Toxaphene Peak 1	5.66	5.64	5.67
Toxaphene Peak 2	6.34	6.32	6.35
Toxaphene Peak 3	7.08	7.06	7.09
Toxaphene Peak 4	7.64	7.63	7.66
Toxaphene Peak 5	7.93	7.92	7.95

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110049.D
Lab Smp Id: CCV-1322857 TOX
Inj Date : 11-APR-2012 21:51
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1322857 TOX
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 43 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC359

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.655	5.655	0.000	4525	200.000	105.83	80.00- 120.00	100.00(M)
6.337	6.337	0.000	16684	200.000	120.06	319.98- 479.98	368.71
7.077	7.077	0.000	29135	200.000	157.12	580.46- 870.69	643.87
7.643	7.645	-0.002	39986	200.000	175.99	708.94-1063.41	883.67
7.933	7.933	0.000	65724	200.000	181.33	1092.80-1639.20	1452.46
Average of Peak Amounts =					148.066		

QC Flag Legend

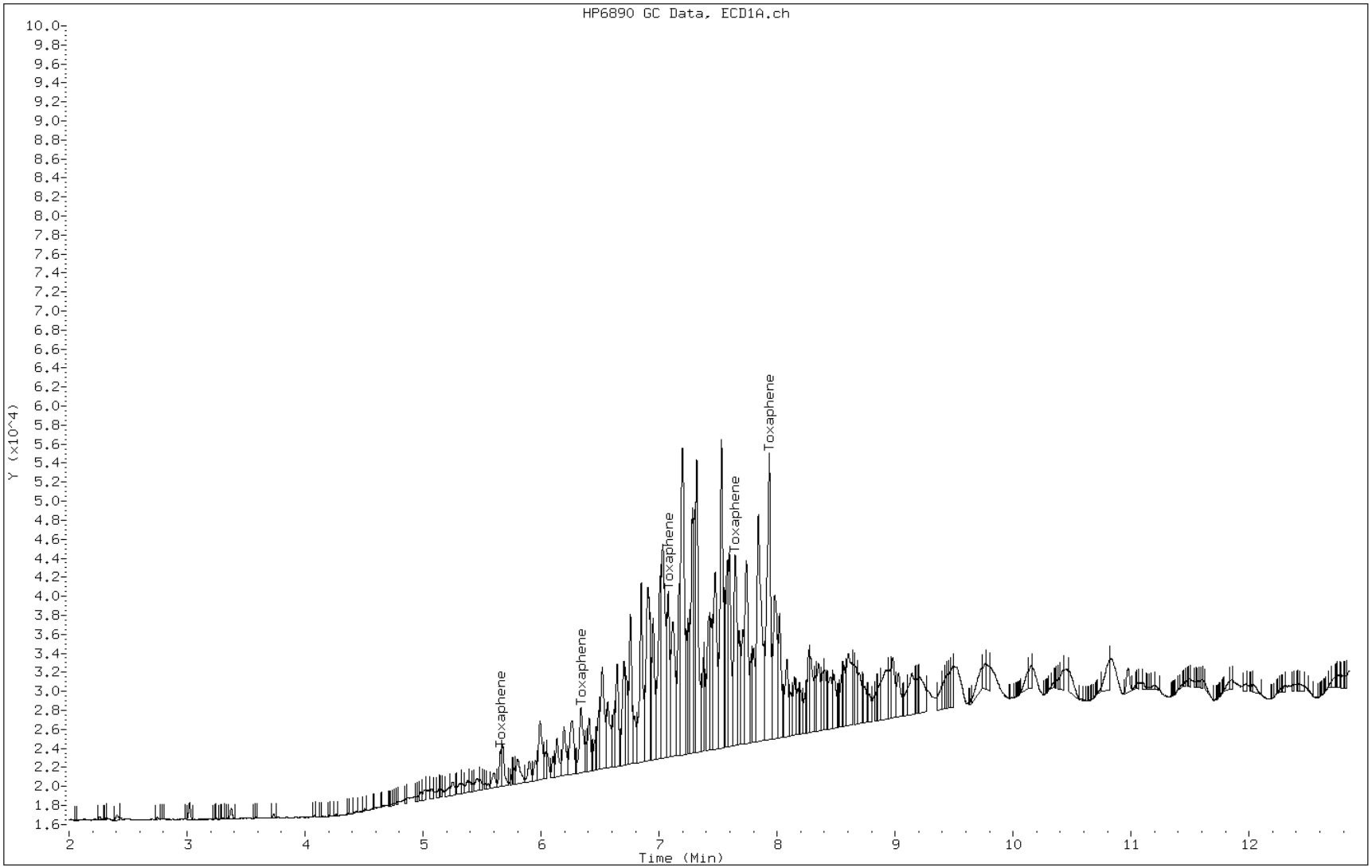
M - Compound response manually integrated.

Data File: 04110049.D

Date: 11-APR-2012 21:51

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1322857 TOX Operator: DW



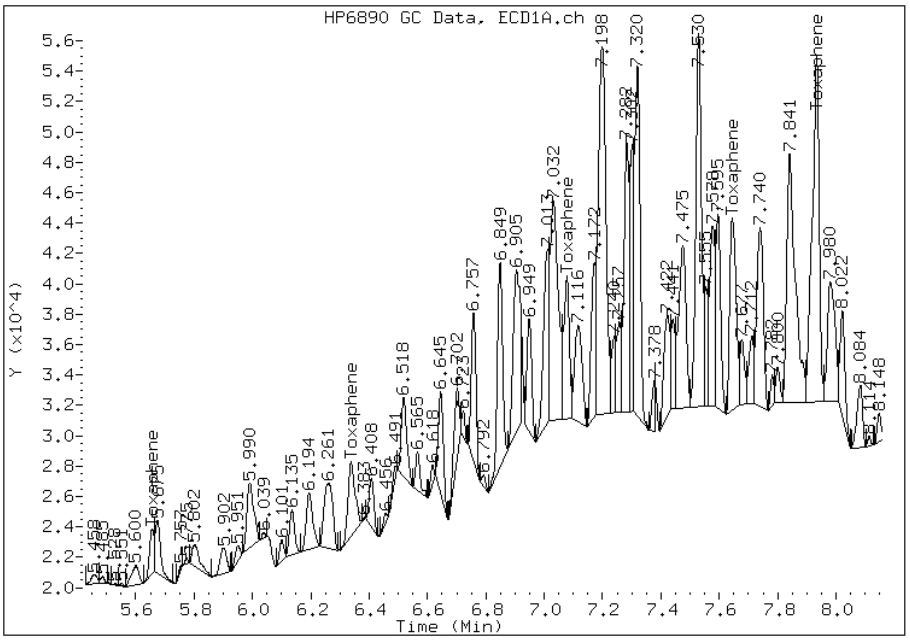
Manual Integration Report

Data File: 04110049.D
Inj. Date and Time: 11-APR-2012 21:51
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/12/2012

Processing Integration Results

RT	Response	Conc
5.66	2926*	48.85
6.34	8050*	43.24
7.08	12457*	42.40
7.64	19483*	90.02
7.93	38172*	104.31

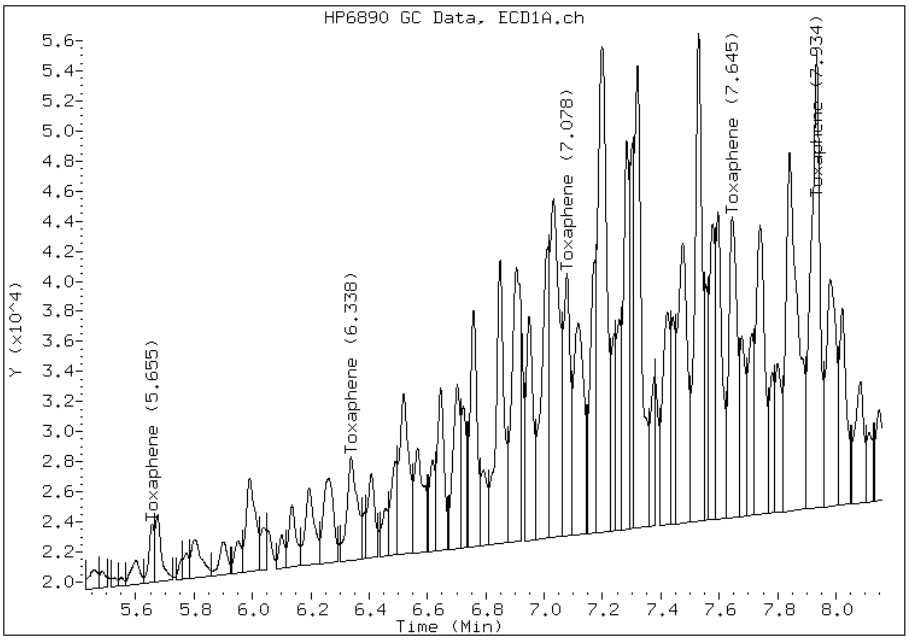
Final Conc		65.76



Manual Integration Results

RT	Response	Conc
5.66	4525*	105.83
6.34	16684*	120.06
7.08	29135*	157.13
7.64	39986*	175.99
7.93	65724*	181.33

Final Conc		148.07



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/40 Calibration Date: 04/12/2012 00:38

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110059.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	10612	10593		51.6	50.0	3.2	15.0
alpha-BHC	Ave	14539	15241		52.4	50.0	4.8	20.0
gamma-BHC (Lindane)	Ave	13096	13718		52.4	50.0	4.8	20.0
beta-BHC	Lin2	5674	5742		52.7	50.0	5.4	20.0
delta-BHC	Ave	13122	14060		53.6	50.0	7.2	20.0
Heptachlor	Lin2	12181	13008		54.2	50.0	8.5	20.0
Aldrin	Ave	12114	12625		52.1	50.0	4.2	20.0
Isodrin	Lin2	10754	11078		52.5	50.0	5.0	15.0
Heptachlor epoxide	Lin2	11177	11482		52.7	50.0	5.5	20.0
gamma-Chlordane	Lin2	11508	11990		52.9	50.0	5.7	20.0
alpha-Chlordane	Lin2	11063	11468		52.7	50.0	5.3	20.0
4,4'-DDE	Lin2	10825	11599		53.7	50.0	7.3	20.0
Endosulfan I	Lin2	10580	10632		51.7	50.0	3.4	20.0
Dieldrin	Lin2	11230	11652		52.6	50.0	5.2	20.0
Endrin	Lin2	8733	9856		57.4	50.0	14.8	20.0
4,4'-DDD	Qua	11727	12367		56.5	50.0	13.1	20.0
Endosulfan II	Lin2	9919	9845		51.0	50.0	2.0	20.0
4,4'-DDT	Lin2	8812	7458		42.6	50.0	-14.7	20.0
Endrin aldehyde	Lin2	8507	7915		48.2	50.0	-3.6	20.0
Methoxychlor	Lin2	4447	3942		46.2	50.0	-7.5	20.0
Mirex	Lin2	7482	6972		49.4	50.0	-1.1	15.0
Endosulfan sulfate	Lin2	9135	8902		50.7	50.0	1.5	20.0
Endrin ketone	Lin2	10532	10067		49.3	50.0	-1.5	20.0
Tetrachloro-m-xylene	Lin2	10194	10242		51.6	50.0	3.2	20.0
DCB Decachlorobiphenyl	Lin2	7562	6755		47.1	50.0	-5.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/40 Calibration Date: 04/12/2012 00:38

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110059.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.33	4.32	4.35
alpha-BHC	4.51	4.49	4.52
gamma-BHC (Lindane)	4.80	4.79	4.81
beta-BHC	4.88	4.87	4.89
delta-BHC	5.03	5.02	5.04
Heptachlor	5.21	5.20	5.22
Aldrin	5.48	5.47	5.49
Isodrin	5.80	5.79	5.82
Heptachlor epoxide	6.09	6.08	6.11
gamma-Chlordane	6.22	6.21	6.24
alpha-Chlordane	6.36	6.35	6.38
4,4'-DDE	6.44	6.43	6.46
Endosulfan I	6.51	6.49	6.52
Dieldrin	6.75	6.74	6.77
Endrin	6.99	6.97	7.00
4,4'-DDD	7.05	7.04	7.06
Endosulfan II	7.21	7.20	7.22
4,4'-DDT	7.32	7.31	7.34
Endrin aldehyde	7.61	7.60	7.63
Methoxychlor	7.78	7.77	7.79
Mirex	7.93	7.91	7.94
Endosulfan sulfate	8.02	8.01	8.04
Endrin ketone	8.28	8.27	8.30
Tetrachloro-m-xylene	3.92	3.90	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.23

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110059.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 12-APR-2012 00:38
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

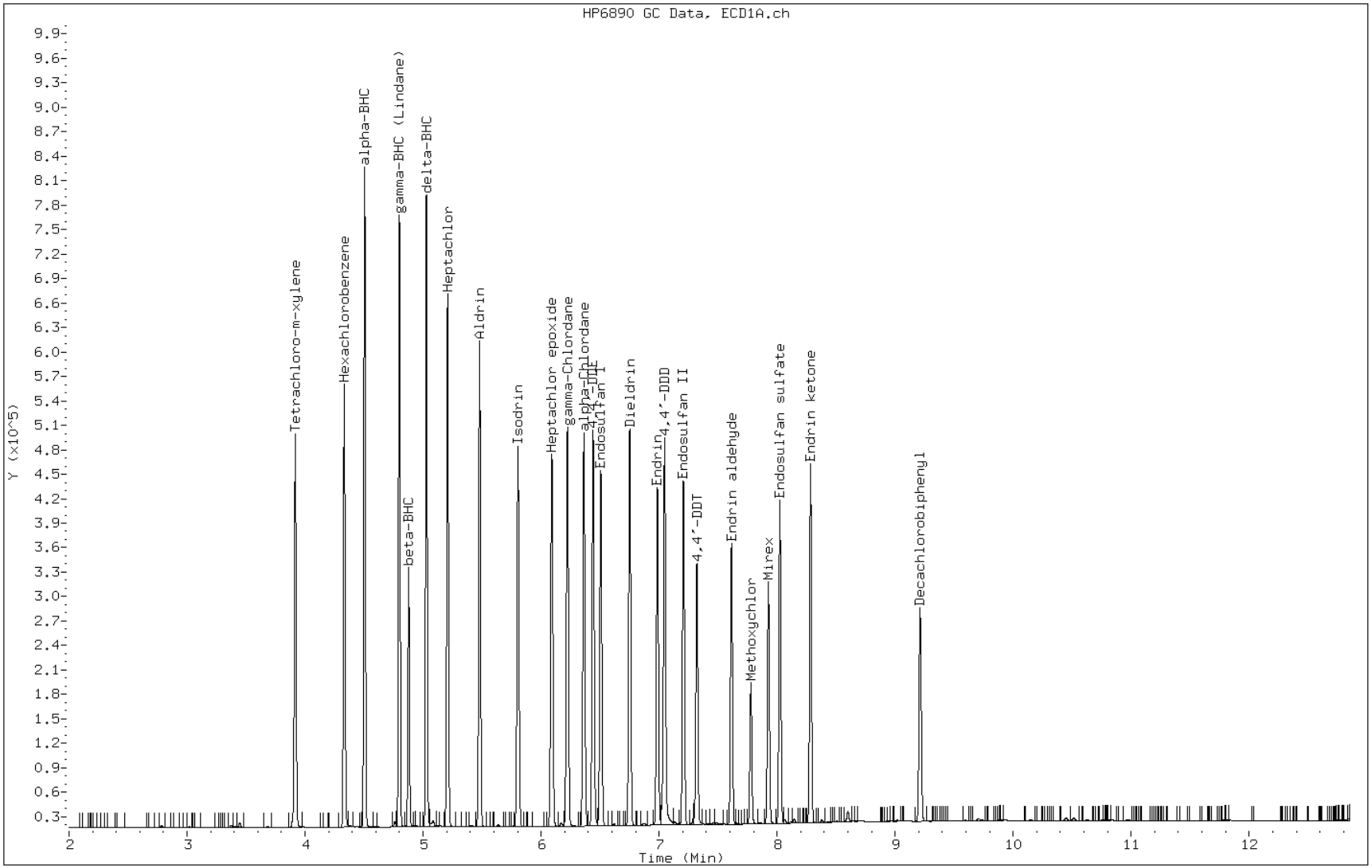
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.917	3.917	0.000	512087	50.0000	51.575
	3 Hexachlorobenzene	4.332	4.332	0.000	529673	50.0000	51.618
	5 alpha-BHC	4.505	4.505	0.000	762041	50.0000	52.415
	6 gamma-BHC (Lindane)	4.798	4.799	-0.001	685924	50.0000	52.375
	7 beta-BHC	4.878	4.878	0.000	287107	50.0000	52.691
	8 delta-BHC	5.028	5.028	0.000	703010	50.0000	53.575
	10 Heptachlor	5.207	5.208	-0.001	650402	50.0000	54.227
	11 Aldrin	5.479	5.480	-0.001	631263	50.0000	52.109
	13 Isodrin	5.804	5.806	-0.002	553882	50.0000	52.504
	15 Heptachlor epoxide	6.090	6.093	-0.003	574095	50.0000	52.728
	18 gamma-Chlordane	6.223	6.225	-0.002	599522	50.0000	52.856
	19 alpha-Chlordane	6.362	6.365	-0.003	573385	50.0000	52.657
	20 4,4'-DDE	6.440	6.442	-0.002	579958	50.0000	53.673
	21 Endosulfan I	6.505	6.507	-0.002	531585	50.0000	51.701
	23 Dieldrin	6.750	6.752	-0.002	582576	50.0000	52.584
	25 Endrin	6.985	6.987	-0.002	492808	50.0000	57.400
	27 4,4'-DDD	7.045	7.048	-0.003	618334	50.0000	56.541
	29 Endosulfan II	7.205	7.208	-0.003	492257	50.0000	51.011
	30 4,4'-DDT	7.320	7.322	-0.002	372902	50.0000	42.640
	31 Endrin aldehyde	7.613	7.615	-0.002	395771	50.0000	48.206
	32 Methoxychlor	7.777	7.780	-0.003	197119	50.0000	46.247
	33 Mirex	7.925	7.927	-0.002	348613	50.0000	49.441
	34 Endosulfan sulfate	8.023	8.025	-0.002	445084	50.0000	50.736
	35 Endrin ketone	8.283	8.285	-0.002	503362	50.0000	49.272
$	36 Decachlorobiphenyl	9.210	9.213	-0.003	337735	50.0000	47.082

Data File: 04110059.D

Date: 12-APR-2012 00:38

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/40 Calibration Date: 04/12/2012 00:38

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110059.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	11526	11362		50.8	50.0	1.6	15.0
alpha-BHC	Ave	15607	16469		52.8	50.0	5.5	20.0
gamma-BHC (Lindane)	Lin2	13922	14777		53.0	50.0	6.0	20.0
beta-BHC	Lin2	5996	6268		54.1	50.0	8.2	20.0
delta-BHC	Lin2	14001	15160		53.9	50.0	7.8	20.0
Heptachlor	Lin2	12338	13149		54.2	50.0	8.3	20.0
Aldrin	Ave	13324	13692		51.4	50.0	2.8	20.0
Isodrin	Lin2	11725	12047		52.1	50.0	4.2	15.0
Heptachlor epoxide	Lin2	11931	12350		52.4	50.0	4.8	20.0
gamma-Chlordane	Ave	12801	13268		51.8	50.0	3.7	20.0
alpha-Chlordane	Ave	12453	12722		51.1	50.0	2.2	20.0
Endosulfan I	Lin2	11519	11732		52.0	50.0	3.9	20.0
4,4'-DDE	Ave	12298	12872		52.3	50.0	4.7	20.0
Dieldrin	Ave	12482	12793		51.2	50.0	2.5	20.0
Endrin	Lin2	9540	10710		57.6	50.0	15.3	20.0
4,4'-DDD	Qua	10883	12109		56.8	50.0	13.5	20.0
Endosulfan II	Lin2	11185	11177		51.3	50.0	2.7	20.0
4,4'-DDT	Lin2	8770	7704		43.8	50.0	-12.3	20.0
Endrin aldehyde	Lin2	9502	9063		49.0	50.0	-1.9	20.0
Endosulfan sulfate	Lin2	10293	10358		51.3	50.0	2.6	20.0
Methoxychlor	Lin2	4384	4080		48.3	50.0	-3.4	20.0
Mirex	Lin2	8299	7533		47.4	50.0	-5.1	15.0
Endrin ketone	Lin2	11452	11035		49.5	50.0	-1.0	20.0
Tetrachloro-m-xylene	Lin2	11033	11018		50.9	50.0	1.7	20.0
DCB Decachlorobiphenyl	Lin2	8824	7444		44.3	50.0	-11.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/40 Calibration Date: 04/12/2012 00:38

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04110059.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.27	4.26	4.28
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.81	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.10
Aldrin	5.35	5.34	5.37
Isodrin	5.71	5.70	5.73
Heptachlor epoxide	5.89	5.88	5.91
gamma-Chlordane	6.09	6.08	6.11
alpha-Chlordane	6.24	6.23	6.26
Endosulfan I	6.30	6.29	6.32
4,4'-DDE	6.42	6.41	6.44
Dieldrin	6.58	6.57	6.60
Endrin	6.88	6.87	6.90
4,4'-DDD	7.00	6.99	7.02
Endosulfan II	7.09	7.08	7.11
4,4'-DDT	7.31	7.30	7.32
Endrin aldehyde	7.42	7.41	7.43
Endosulfan sulfate	7.68	7.67	7.70
Methoxychlor	7.95	7.94	7.97
Mirex	8.14	8.12	8.15
Endrin ketone	8.17	8.16	8.19
Tetrachloro-m-xylene	3.79	3.77	3.80
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110059.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 12-APR-2012 00:38
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

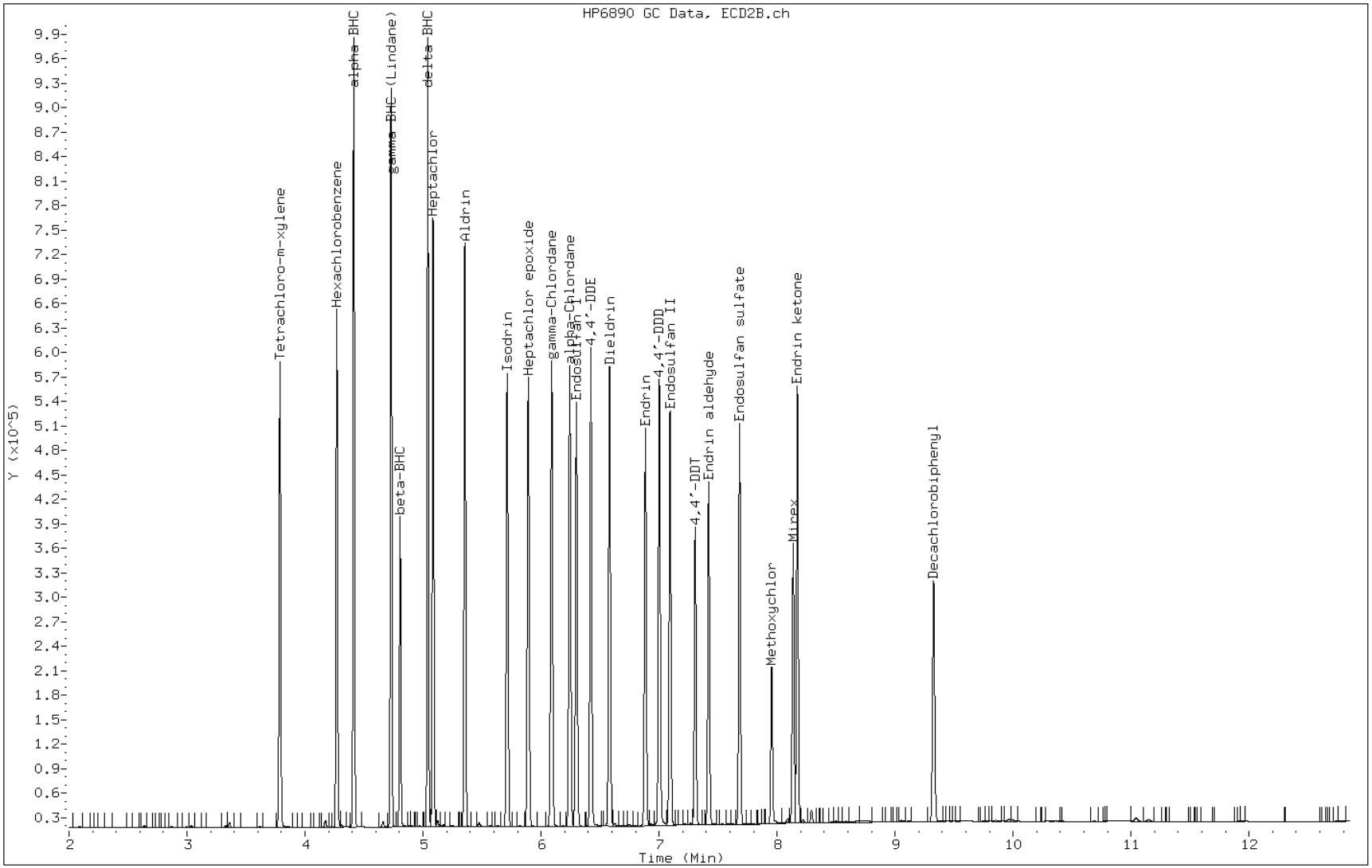
						AMOUNTS	
						CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(ng/ml)	(ng/ml)
$ 2 Tetrachloro-m-xylene	3.786	3.787	-0.001	550920		50.0000	50.874
4 Hexachlorobenzene	4.268	4.269	-0.001	568114		50.0000	50.792
5 alpha-BHC	4.412	4.413	-0.001	823467		50.0000	52.762
6 gamma-BHC (Lindane)	4.728	4.729	-0.001	738855		50.0000	53.008
7 beta-BHC	4.805	4.805	0.000	313385		50.0000	54.100
9 delta-BHC	5.040	5.040	0.000	758004		50.0000	53.886
10 Heptachlor	5.084	5.085	-0.001	657448		50.0000	54.174
11 Aldrin	5.353	5.354	-0.001	684621		50.0000	51.382
15 Isodrin	5.712	5.714	-0.002	602350		50.0000	52.097
16 Heptachlor epoxide	5.891	5.893	-0.002	617480		50.0000	52.422
17 gamma-Chlordane	6.089	6.092	-0.003	663417		50.0000	51.826
19 alpha-Chlordane	6.242	6.245	-0.003	636079		50.0000	51.080
20 Endosulfan I	6.299	6.302	-0.003	586590		50.0000	51.975
21 4,4'-DDE	6.421	6.423	-0.002	643581		50.0000	52.332
22 Dieldrin	6.580	6.582	-0.002	639632		50.0000	51.246
25 Endrin	6.884	6.886	-0.002	535515		50.0000	57.646
28 4,4'-DDD	7.001	7.003	-0.002	605457		50.0000	56.755
29 Endosulfan II	7.092	7.094	-0.002	558851		50.0000	51.340
30 4,4'-DDT	7.306	7.308	-0.002	385184		50.0000	43.826
31 Endrin aldehyde	7.420	7.421	-0.001	453163		50.0000	49.045
32 Endosulfan sulfate	7.681	7.683	-0.002	517890		50.0000	51.320
33 Methoxychlor	7.953	7.956	-0.003	204017		50.0000	48.307
34 Mirex	8.136	8.137	-0.001	376627		50.0000	47.428
35 Endrin ketone	8.171	8.173	-0.002	551746		50.0000	49.523
$ 36 Decachlorobiphenyl	9.326	9.328	-0.002	372185		50.0000	44.263

Data File: 04110059.D

Date: 12-APR-2012 00:38

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/41 Calibration Date: 04/12/2012 00:54

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04110060.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2	30.30	41.58		241	200	20.4*	15.0
Toxaphene Peak 2	Lin2	116.9	101.3		152	200	-24.0*	15.0
Toxaphene Peak 3	Lin2	154.2	148.2		161	200	-19.7*	15.0
Toxaphene Peak 4	Lin2	235.3	161.7		144	200	-28.0*	15.0
Toxaphene Peak 5	Lin2	358.6	248.7		137	200	-31.7*	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115240/41 Calibration Date: 04/12/2012 00:54

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04110060.D

Analyte	RT	RT WINDOW	
		TO	FROM
Toxaphene Peak 1	5.66	5.64	5.67
Toxaphene Peak 2	6.34	6.32	6.35
Toxaphene Peak 3	7.08	7.06	7.09
Toxaphene Peak 4	7.64	7.63	7.66
Toxaphene Peak 5	7.93	7.92	7.95

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110060.D
Lab Smp Id: CCV-1322857 TOX
Inj Date : 12-APR-2012 00:54
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1322857 TOX
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 54 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC359

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.655	5.655	0.000	8315	200.000	240.88	80.00- 120.00	100.00(qM)
6.335	6.337	-0.002	20269	200.000	151.96	319.98- 479.98	243.76
7.076	7.077	-0.001	29648	200.000	160.65	580.46- 870.69	356.56
7.643	7.645	-0.002	32341	200.000	143.94	708.94-1063.41	388.95
7.934	7.933	0.001	49740	200.000	136.64	1092.80-1639.20	598.20
Average of Peak Amounts =					166.814		

QC Flag Legend

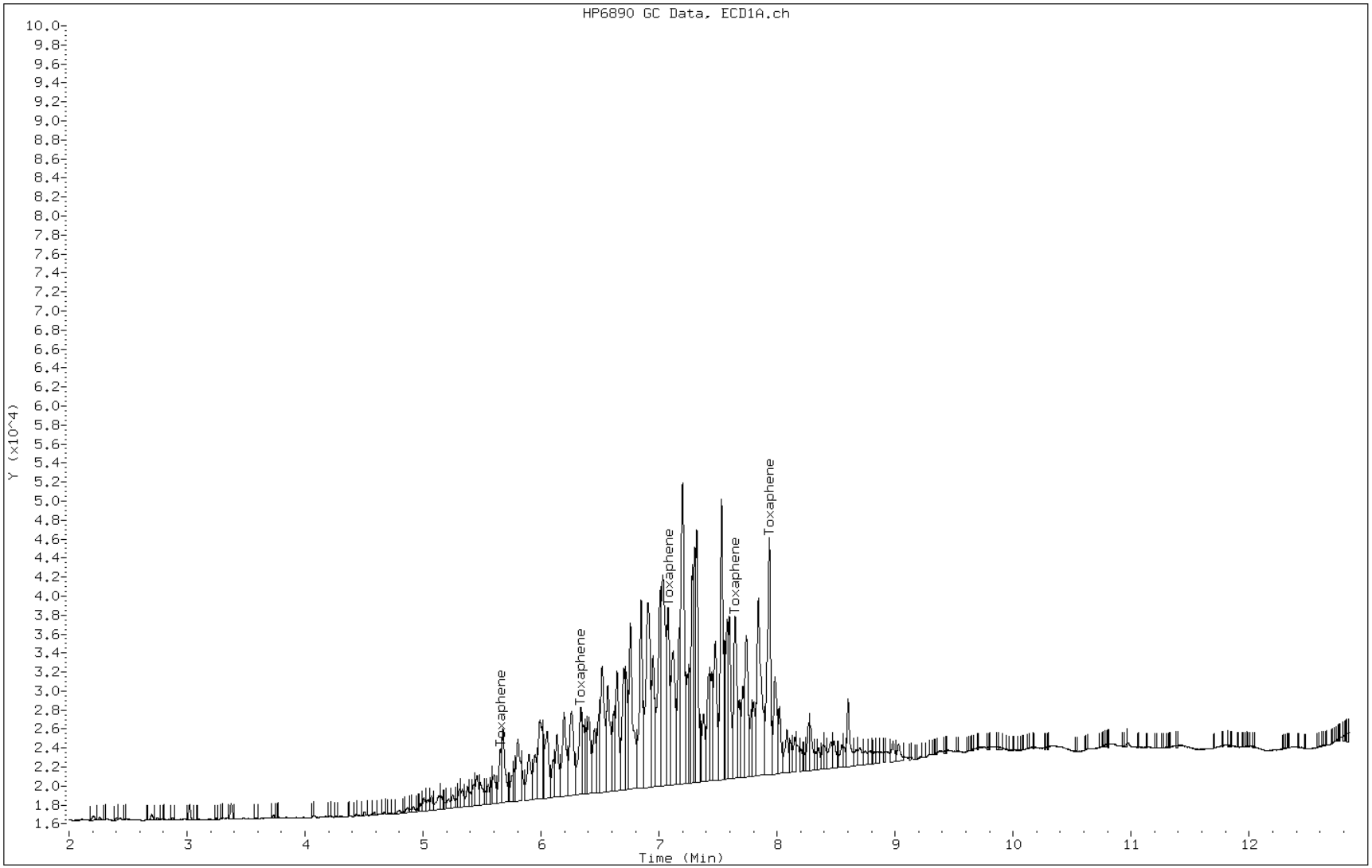
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File: 04110060.D

Date: 12-APR-2012 00:54

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1322857 TOX Operator: DW



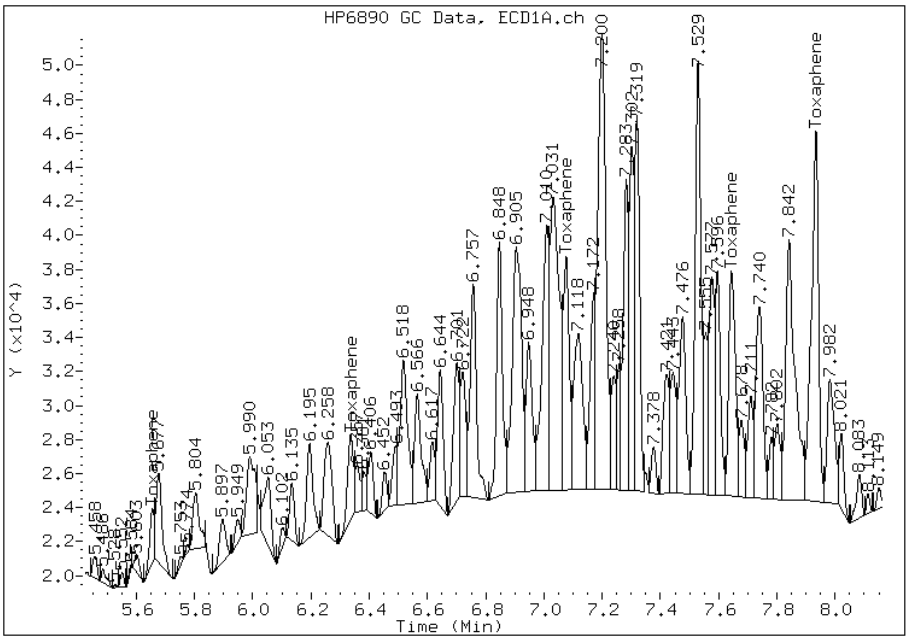
Manual Integration Report

Data File: 04110060.D
Inj. Date and Time: 12-APR-2012 00:54
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/12/2012

Processing Integration Results

RT	Response	Conc
5.66	3587*	72.40
6.34	7431*	37.73
7.08	19588*	91.45
7.64	21471*	98.36
7.93	37527*	102.50

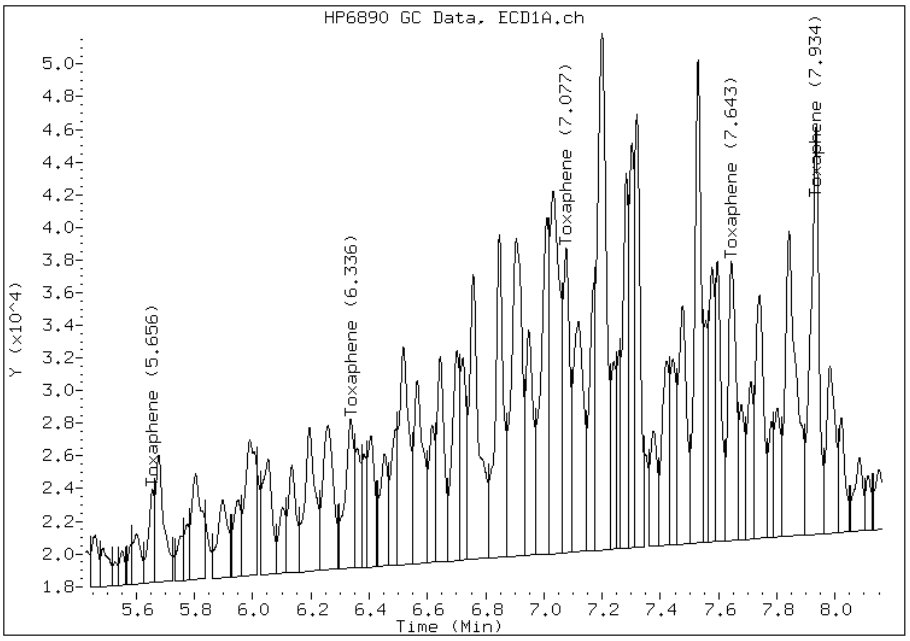
Final Conc		80.49



Manual Integration Results

RT	Response	Conc
5.66	8315*	240.88
6.34	20269*	151.96
7.08	29648*	160.65
7.64	32341*	143.94
7.93	49740*	136.65

Final Conc		166.82



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-115801/3 Calibration Date: 04/16/2012 11:59

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160011.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	10612	10295		50.1	50.0	0.3	15.0
alpha-BHC	Ave	14539	14730		50.7	50.0	1.3	20.0
gamma-BHC (Lindane)	Ave	13096	13283		50.7	50.0	1.4	20.0
beta-BHC	Lin2	5674	5540		50.8	50.0	1.6	20.0
delta-BHC	Ave	13122	13419		51.1	50.0	2.3	20.0
Heptachlor	Lin2	12181	12348		51.5	50.0	2.9	20.0
Aldrin	Ave	12114	12166		50.2	50.0	0.4	20.0
Isodrin	Lin2	10754	10618		50.3	50.0	0.6	15.0
Heptachlor epoxide	Lin2	11177	11009		50.5	50.0	1.1	20.0
gamma-Chlordane	Lin2	11508	11532		50.8	50.0	1.6	20.0
alpha-Chlordane	Lin2	11063	11111		51.0	50.0	2.0	20.0
4,4'-DDE	Lin2	10825	11163		51.7	50.0	3.3	20.0
Endosulfan I	Lin2	10580	10310		50.1	50.0	0.2	20.0
Dieldrin	Lin2	11230	11235		50.7	50.0	1.4	20.0
Endrin	Lin2	8733	9306		54.2	50.0	8.4	20.0
4,4'-DDD	Qua	11727	11187		51.8	50.0	3.5	20.0
Endosulfan II	Lin2	9919	9789		50.7	50.0	1.4	20.0
4,4'-DDT	Lin2	8812	9342		53.5	50.0	6.9	20.0
Endrin aldehyde	Lin2	8507	8193		49.9	50.0	-0.2	20.0
Methoxychlor	Lin2	4447	4831		56.9	50.0	13.7	20.0
Mirex	Lin2	7482	7114		50.5	50.0	0.9	15.0
Endosulfan sulfate	Lin2	9135	8979		51.2	50.0	2.4	20.0
Endrin ketone	Lin2	10532	10254		50.2	50.0	0.4	20.0
Tetrachloro-m-xylene	Lin2	10194	9979		50.2	50.0	0.5	20.0
DCB Decachlorobiphenyl	Lin2	7562	6946		48.4	50.0	-3.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-115801/3 Calibration Date: 04/16/2012 11:59

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160011.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.33	4.32	4.35
alpha-BHC	4.51	4.49	4.52
gamma-BHC (Lindane)	4.80	4.79	4.81
beta-BHC	4.88	4.87	4.89
delta-BHC	5.03	5.02	5.04
Heptachlor	5.21	5.20	5.22
Aldrin	5.48	5.47	5.49
Isodrin	5.80	5.79	5.82
Heptachlor epoxide	6.09	6.08	6.10
gamma-Chlordane	6.22	6.21	6.24
alpha-Chlordane	6.36	6.35	6.38
4,4'-DDE	6.44	6.43	6.45
Endosulfan I	6.51	6.49	6.52
Dieldrin	6.75	6.74	6.76
Endrin	6.99	6.97	7.00
4,4'-DDD	7.05	7.03	7.06
Endosulfan II	7.21	7.19	7.22
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.61	7.60	7.63
Methoxychlor	7.78	7.76	7.79
Mirex	7.93	7.91	7.94
Endosulfan sulfate	8.02	8.01	8.04
Endrin ketone	8.28	8.27	8.30
Tetrachloro-m-xylene	3.92	3.91	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.22

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160011.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 16-APR-2012 11:59
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

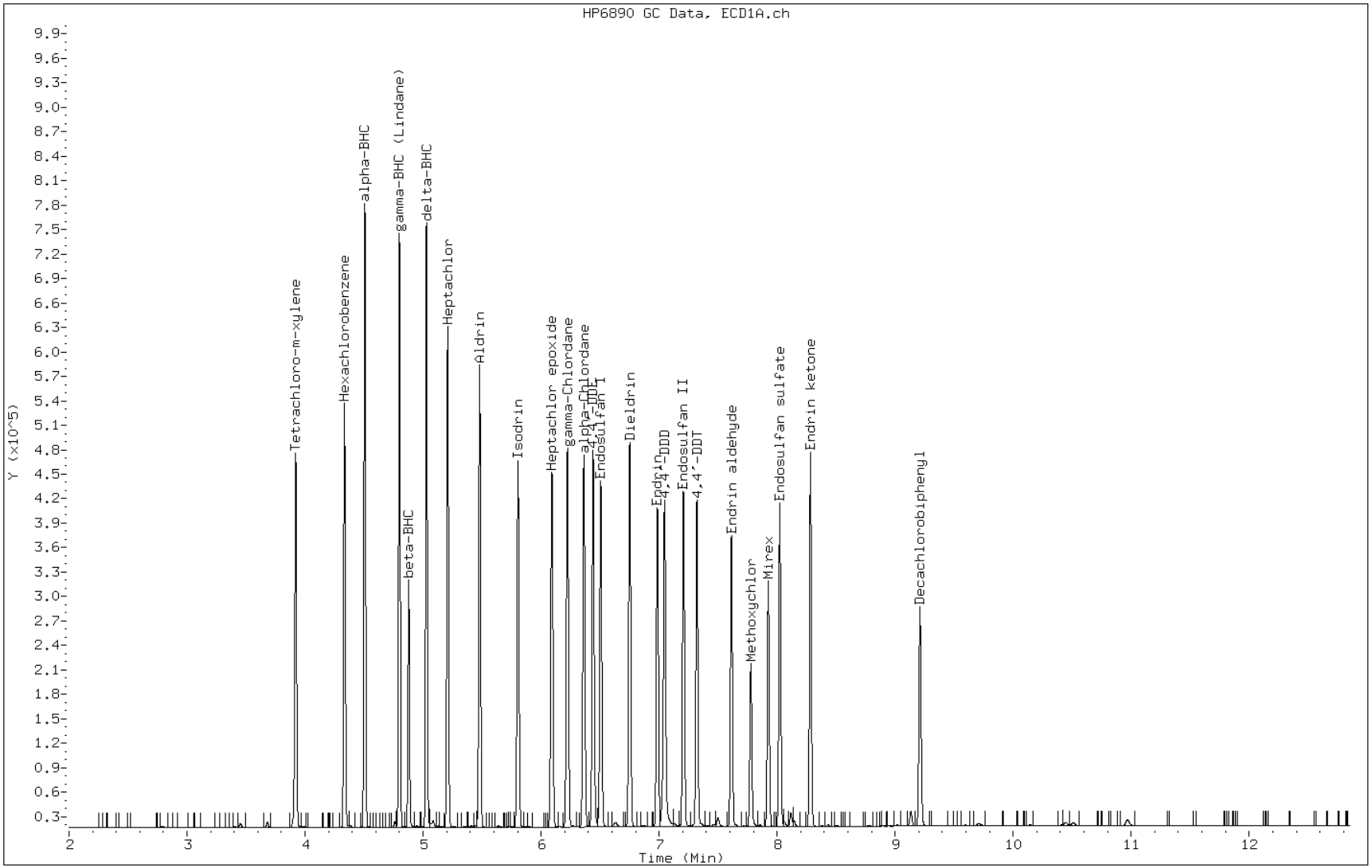
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.920	3.920	0.000	498949	50.0000	50.238
	3 Hexachlorobenzene	4.334	4.334	0.000	514747	50.0000	50.144
	5 alpha-BHC	4.505	4.505	0.000	736483	50.0000	50.657
	6 gamma-BHC (Lindane)	4.799	4.799	0.000	664141	50.0000	50.712
	7 beta-BHC	4.878	4.878	0.000	276990	50.0000	50.806
	8 delta-BHC	5.028	5.028	0.000	670931	50.0000	51.130
	10 Heptachlor	5.208	5.208	0.000	617378	50.0000	51.457
	11 Aldrin	5.480	5.480	0.000	608282	50.0000	50.212
	13 Isodrin	5.804	5.804	0.000	530877	50.0000	50.307
	15 Heptachlor epoxide	6.091	6.091	0.000	550468	50.0000	50.536
	18 gamma-Chlordane	6.223	6.223	0.000	576598	50.0000	50.824
	19 alpha-Chlordane	6.362	6.362	0.000	555525	50.0000	51.007
	20 4,4'-DDE	6.440	6.440	0.000	558131	50.0000	51.651
	21 Endosulfan I	6.505	6.505	0.000	515499	50.0000	50.119
	23 Dieldrin	6.750	6.750	0.000	561757	50.0000	50.695
	25 Endrin	6.985	6.985	0.000	465295	50.0000	54.176
	27 4,4'-DDD	7.045	7.045	0.000	559370	50.0000	51.760
	29 Endosulfan II	7.205	7.205	0.000	489465	50.0000	50.719
	30 4,4'-DDT	7.320	7.320	0.000	467119	50.0000	53.456
	31 Endrin aldehyde	7.612	7.612	0.000	409640	50.0000	49.922
	32 Methoxychlor	7.777	7.777	0.000	241549	50.0000	56.875
	33 Mirex	7.925	7.925	0.000	355700	50.0000	50.471
	34 Endosulfan sulfate	8.022	8.022	0.000	448941	50.0000	51.183
	35 Endrin ketone	8.282	8.282	0.000	512680	50.0000	50.196
$	36 Decachlorobiphenyl	9.210	9.210	0.000	347302	50.0000	48.448

Data File: 04160011.D

Date: 16-APR-2012 11:59

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-115801/3 Calibration Date: 04/16/2012 11:59

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160011.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	11526	11016		49.2	50.0	-1.5	15.0
alpha-BHC	Ave	15607	15344		49.2	50.0	-1.7	20.0
gamma-BHC (Lindane)	Lin2	13922	13606		48.8	50.0	-2.4	20.0
beta-BHC	Lin2	5996	5684		49.0	50.0	-2.0	20.0
delta-BHC	Lin2	14001	13687		48.7	50.0	-2.7	20.0
Heptachlor	Lin2	12338	11949		49.2	50.0	-1.6	20.0
Aldrin	Ave	13324	13200		49.5	50.0	-0.9	20.0
Isodrin	Lin2	11725	11549		49.9	50.0	-0.1	15.0
Heptachlor epoxide	Lin2	11931	11550		49.0	50.0	-2.0	20.0
gamma-Chlordane	Ave	12801	12635		49.4	50.0	-1.3	20.0
alpha-Chlordane	Ave	12453	12203		49.0	50.0	-2.0	20.0
Endosulfan I	Lin2	11519	11132		49.3	50.0	-1.4	20.0
4,4'-DDE	Ave	12298	12390		50.4	50.0	0.7	20.0
Dieldrin	Ave	12482	12186		48.8	50.0	-2.4	20.0
Endrin	Lin2	9540	9664		52.0	50.0	3.9	20.0
4,4'-DDD	Qua	10883	9662		46.6	50.0	-6.8	20.0
Endosulfan II	Lin2	11185	10598		48.7	50.0	-2.7	20.0
4,4'-DDT	Lin2	8770	8943		50.9	50.0	1.7	20.0
Endrin aldehyde	Lin2	9502	8905		48.2	50.0	-3.6	20.0
Endosulfan sulfate	Lin2	10293	9939		49.2	50.0	-1.5	20.0
Methoxychlor	Lin2	4384	4307		51.0	50.0	2.1	20.0
Mirex	Lin2	8299	7624		48.0	50.0	-4.0	15.0
Endrin ketone	Lin2	11452	10658		47.8	50.0	-4.4	20.0
Tetrachloro-m-xylene	Lin2	11033	10694		49.4	50.0	-1.3	20.0
DCB Decachlorobiphenyl	Lin2	8824	8001		47.7	50.0	-4.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-115801/3 Calibration Date: 04/16/2012 11:59

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160011.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.27	4.26	4.28
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.80	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.10
Aldrin	5.35	5.34	5.37
Isodrin	5.71	5.70	5.72
Heptachlor epoxide	5.89	5.88	5.90
gamma-Chlordane	6.09	6.08	6.10
alpha-Chlordane	6.24	6.23	6.26
Endosulfan I	6.30	6.29	6.31
4,4'-DDE	6.42	6.41	6.43
Dieldrin	6.58	6.57	6.59
Endrin	6.88	6.87	6.90
4,4'-DDD	7.00	6.99	7.01
Endosulfan II	7.09	7.08	7.10
4,4'-DDT	7.31	7.29	7.32
Endrin aldehyde	7.42	7.41	7.43
Endosulfan sulfate	7.68	7.67	7.69
Methoxychlor	7.95	7.94	7.97
Mirex	8.13	8.12	8.15
Endrin ketone	8.17	8.16	8.18
Tetrachloro-m-xylene	3.79	3.78	3.80
DCB Decachlorobiphenyl	9.32	9.31	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416122b.b\04160011.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 16-APR-2012 11:59
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416122b.b\P1_8081_2.m
Meth Date : 17-Apr-2012 11:58 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

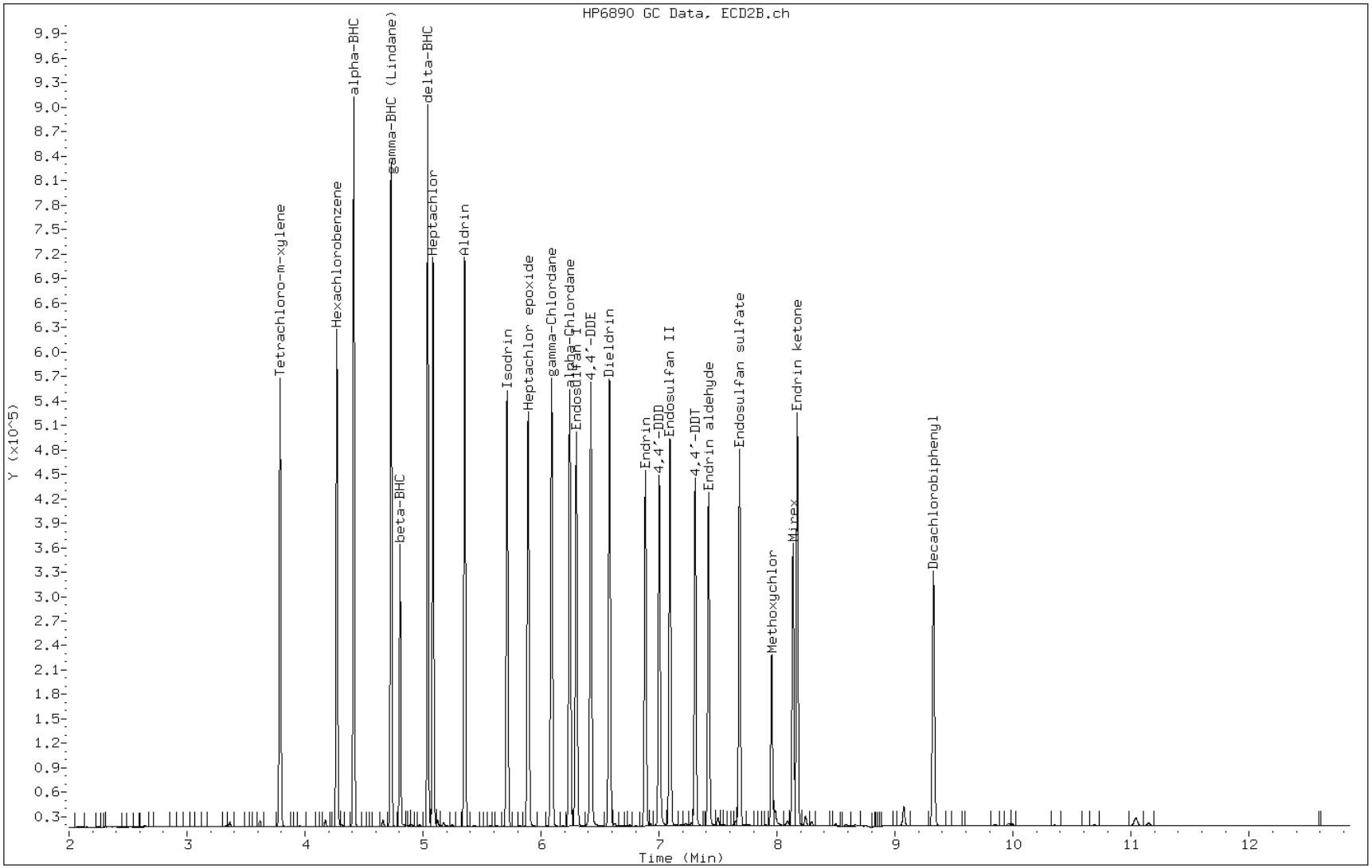
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.788	3.788	0.000	534698	50.0000	49.364
	4 Hexachlorobenzene	4.269	4.269	0.000	550820	50.0000	49.227
	5 alpha-BHC	4.412	4.412	0.000	767215	50.0000	49.158
	6 gamma-BHC (Lindane)	4.728	4.728	0.000	680302	50.0000	48.807
	7 beta-BHC	4.804	4.804	0.000	284178	50.0000	48.994
	9 delta-BHC	5.039	5.039	0.000	684361	50.0000	48.657
	10 Heptachlor	5.084	5.084	0.000	597437	50.0000	49.197
	11 Aldrin	5.352	5.352	0.000	659987	50.0000	49.533
	15 Isodrin	5.711	5.711	0.000	577437	50.0000	49.930
	16 Heptachlor epoxide	5.890	5.890	0.000	577516	50.0000	49.011
	17 gamma-Chlordane	6.089	6.089	0.000	631770	50.0000	49.354
	19 alpha-Chlordane	6.242	6.242	0.000	610140	50.0000	48.997
	20 Endosulfan I	6.298	6.298	0.000	556587	50.0000	49.294
	21 4,4'-DDE	6.421	6.421	0.000	619497	50.0000	50.374
	22 Dieldrin	6.579	6.579	0.000	609307	50.0000	48.816
	25 Endrin	6.883	6.883	0.000	483192	50.0000	51.962
	28 4,4'-DDD	7.001	7.001	0.000	483086	50.0000	46.621
	29 Endosulfan II	7.091	7.091	0.000	529903	50.0000	48.651
	30 4,4'-DDT	7.306	7.306	0.000	447127	50.0000	50.868
	31 Endrin aldehyde	7.419	7.419	0.000	445229	50.0000	48.176
	32 Endosulfan sulfate	7.681	7.681	0.000	496961	50.0000	49.229
	33 Methoxychlor	7.954	7.954	0.000	215365	50.0000	51.038
	34 Mirex	8.134	8.134	0.000	381186	50.0000	48.014
	35 Endrin ketone	8.170	8.170	0.000	532891	50.0000	47.811
$	36 Decachlorobiphenyl	9.324	9.324	0.000	400035	50.0000	47.653

Data File: 04160011.D

Date: 16-APR-2012 11:59

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/4 Calibration Date: 04/16/2012 12:16

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04160012.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2	30.30	30.19		160	200	-20.1*	15.0
Toxaphene Peak 2	Lin2	116.9	113.9		174	200	-12.9	15.0
Toxaphene Peak 3	Lin2	154.2	179.9		204	200	2.1	15.0
Toxaphene Peak 4	Lin2	235.3	228.0		199	200	-0.3	15.0
Toxaphene Peak 5	Lin2	358.6	347.4		192	200	-4.1	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/4 Calibration Date: 04/16/2012 12:16

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04160012.D

Analyte	RT	RT WINDOW	
		TO	FROM
Toxaphene Peak 1	5.65	5.64	5.67
Toxaphene Peak 2	6.34	6.32	6.35
Toxaphene Peak 3	7.08	7.06	7.09
Toxaphene Peak 4	7.64	7.63	7.66
Toxaphene Peak 5	7.93	7.92	7.95

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160012.D
Lab Smp Id: CCV-1322857 TOX
Inj Date : 16-APR-2012 12:16
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1322857 TOX
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.654	5.654	0.000	6038	200.000	159.74	80.00- 120.00	100.00(qM)
6.335	6.335	0.000	22777	200.000	174.27	188.17- 282.26	377.18
7.076	7.076	0.000	35989	200.000	204.27	372.89- 559.34	595.97
7.643	7.643	0.000	45590	200.000	199.49	652.45- 978.68	754.96
7.932	7.932	0.000	69474	200.000	191.81	1159.83-1739.74	1150.46
		Average of Peak Amounts =			185.916		

QC Flag Legend

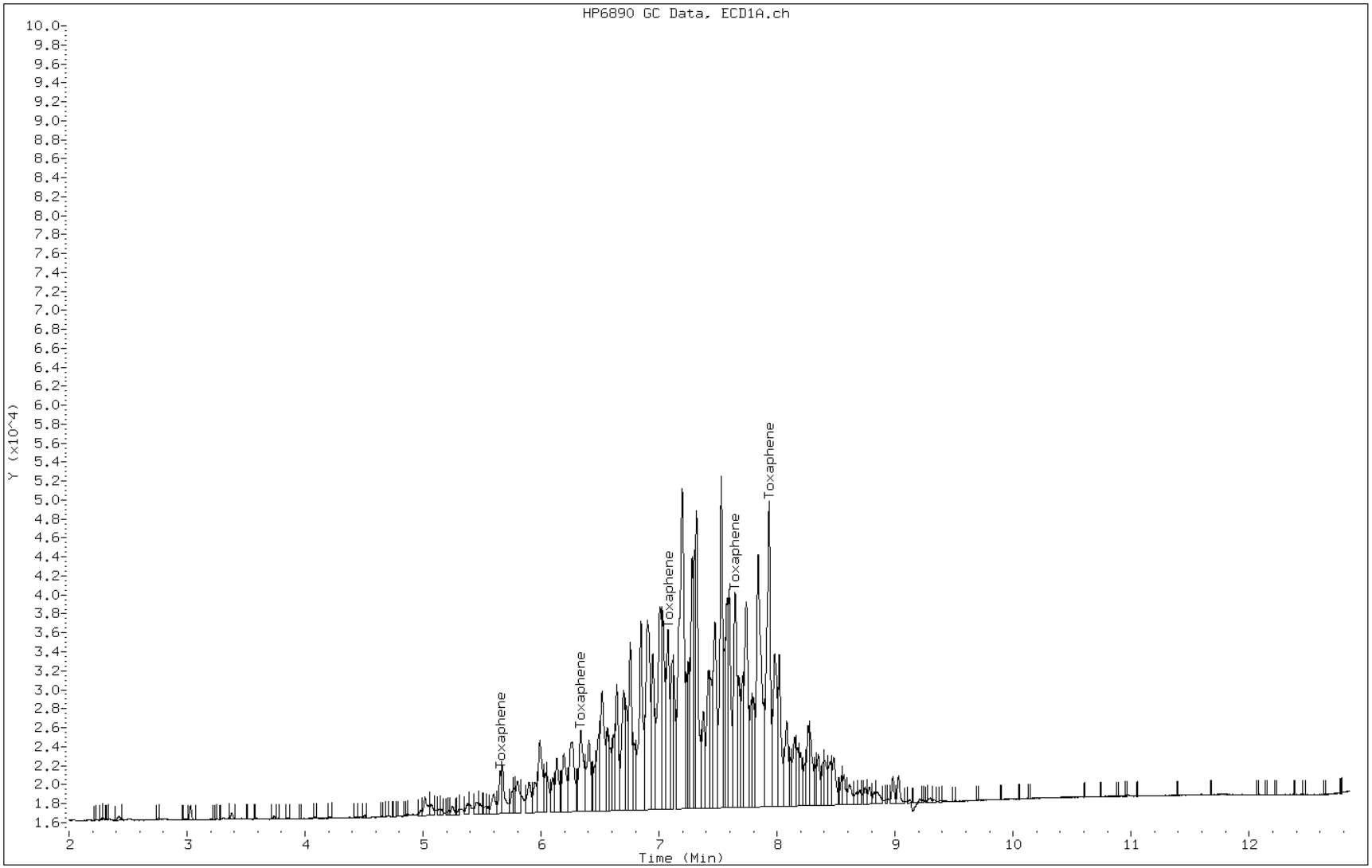
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File: 04160012.D

Date: 16-APR-2012 12:16

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1322857 TOX Operator: DW



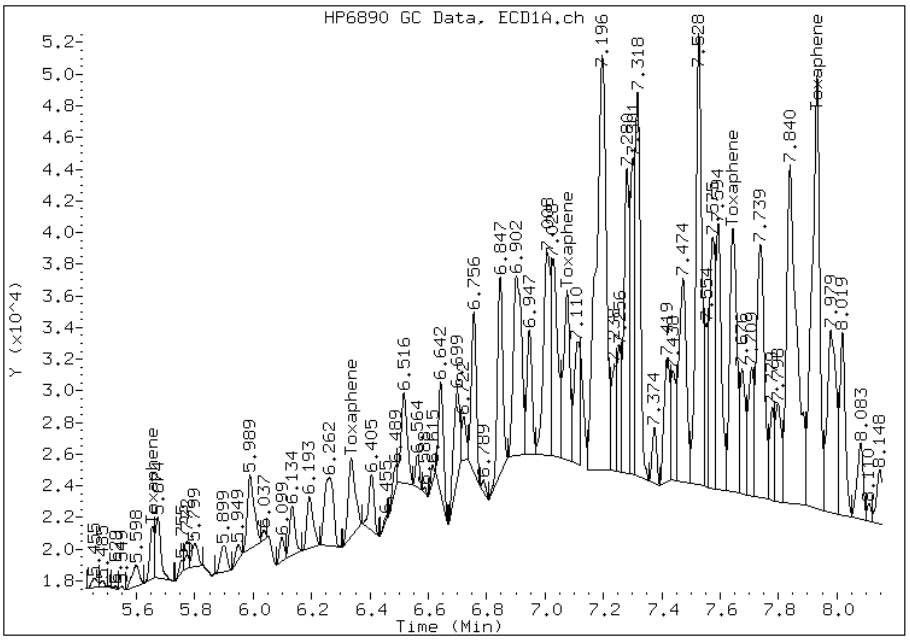
Manual Integration Report

Data File: 04160012.D
Inj. Date and Time: 16-APR-2012 12:16
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/18/2012

Processing Integration Results

RT	Response	Conc
5.65	3521*	70.05
6.34	8282*	45.31
7.08	16412*	69.61
7.64	28716*	128.74
7.93	51047*	140.30

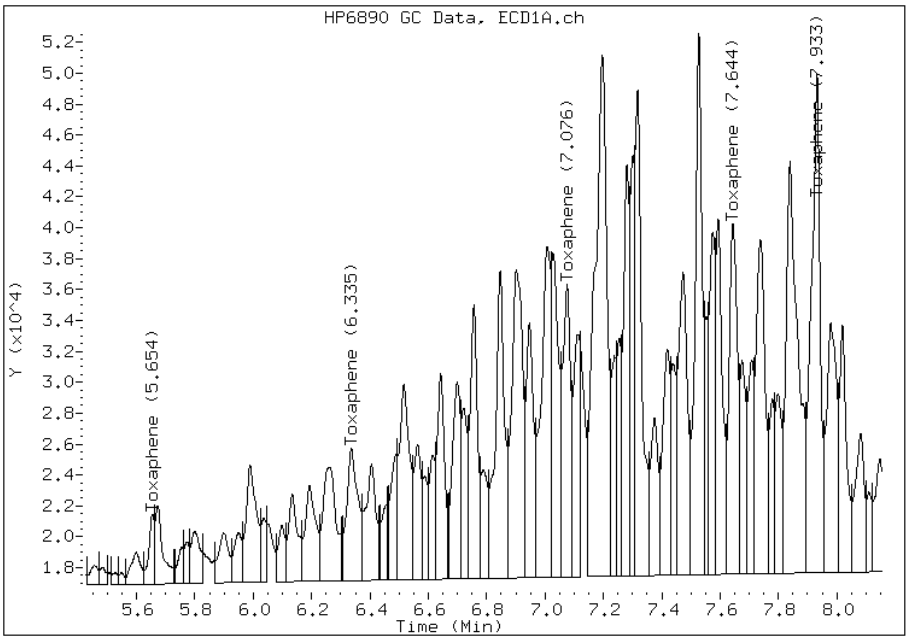
Final Conc		90.80



Manual Integration Results

RT	Response	Conc
5.65	6038*	159.74
6.34	22777*	174.27
7.08	35989*	204.27
7.64	45590*	199.49
7.93	69474*	191.81

Final Conc		185.92



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/6 Calibration Date: 04/16/2012 20:52

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160042.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	10612	10158		49.5	50.0	-1.1	15.0
alpha-BHC	Ave	14539	14577		50.1	50.0	0.3	20.0
gamma-BHC (Lindane)	Ave	13096	13141		50.2	50.0	0.3	20.0
beta-BHC	Lin2	5674	5479		50.2	50.0	0.5	20.0
delta-BHC	Ave	13122	13247		50.5	50.0	1.0	20.0
Heptachlor	Lin2	12181	12497		52.1	50.0	4.2	20.0
Aldrin	Ave	12114	12017		49.6	50.0	-0.8	20.0
Isodrin	Lin2	10754	10536		49.9	50.0	-0.2	15.0
Heptachlor epoxide	Lin2	11177	10964		50.3	50.0	0.6	20.0
gamma-Chlordane	Lin2	11508	11441		50.4	50.0	0.8	20.0
alpha-Chlordane	Lin2	11063	10991		50.5	50.0	0.9	20.0
4,4'-DDE	Lin2	10825	11044		51.1	50.0	2.2	20.0
Endosulfan I	Lin2	10580	10259		49.9	50.0	-0.3	20.0
Dieldrin	Lin2	11230	11182		50.5	50.0	0.9	20.0
Endrin	Lin2	8733	9308		54.2	50.0	8.4	20.0
4,4'-DDD	Qua	11727	11207		51.8	50.0	3.7	20.0
Endosulfan II	Lin2	9919	9705		50.3	50.0	0.6	20.0
4,4'-DDT	Lin2	8812	9229		52.8	50.0	5.6	20.0
Endrin aldehyde	Lin2	8507	8013		48.8	50.0	-2.4	20.0
Methoxychlor	Lin2	4447	4642		54.6	50.0	9.2	20.0
Mirex	Lin2	7482	7061		50.1	50.0	0.2	15.0
Endosulfan sulfate	Lin2	9135	8802		50.2	50.0	0.3	20.0
Endrin ketone	Lin2	10532	10412		51.0	50.0	2.0	20.0
Tetrachloro-m-xylene	Lin2	10194	9807		49.4	50.0	-1.3	20.0
DCB Decachlorobiphenyl	Lin2	7562	6962		48.6	50.0	-2.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/6 Calibration Date: 04/16/2012 20:52

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160042.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.34	4.32	4.35
alpha-BHC	4.51	4.49	4.52
gamma-BHC (Lindane)	4.80	4.79	4.81
beta-BHC	4.88	4.87	4.89
delta-BHC	5.03	5.02	5.04
Heptachlor	5.21	5.20	5.22
Aldrin	5.48	5.47	5.49
Isodrin	5.80	5.79	5.82
Heptachlor epoxide	6.09	6.08	6.10
gamma-Chlordane	6.22	6.21	6.24
alpha-Chlordane	6.36	6.35	6.38
4,4'-DDE	6.44	6.43	6.45
Endosulfan I	6.51	6.49	6.52
Dieldrin	6.75	6.74	6.76
Endrin	6.98	6.97	7.00
4,4'-DDD	7.05	7.03	7.06
Endosulfan II	7.21	7.19	7.22
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.61	7.60	7.63
Methoxychlor	7.78	7.76	7.79
Mirex	7.92	7.91	7.94
Endosulfan sulfate	8.02	8.01	8.04
Endrin ketone	8.28	8.27	8.30
Tetrachloro-m-xylene	3.92	3.91	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.22

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160042.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 16-APR-2012 20:52
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

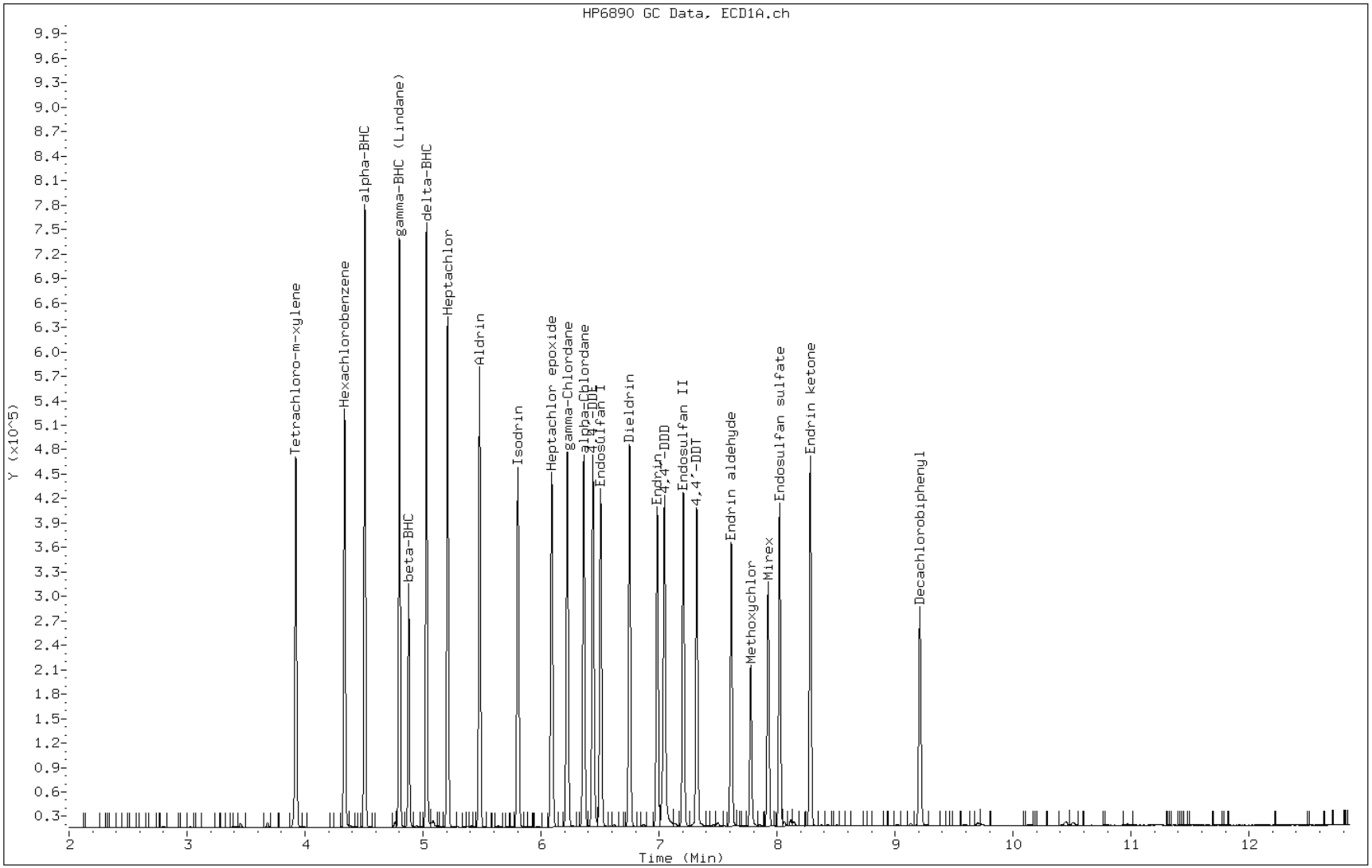
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.922	3.920	0.002	490357	50.0000	49.364
	3 Hexachlorobenzene	4.335	4.334	0.001	507917	50.0000	49.469
	5 alpha-BHC	4.507	4.505	0.002	728825	50.0000	50.130
	6 gamma-BHC (Lindane)	4.799	4.799	0.000	657034	50.0000	50.169
	7 beta-BHC	4.877	4.878	-0.001	273932	50.0000	50.236
	8 delta-BHC	5.028	5.028	0.000	662349	50.0000	50.476
	10 Heptachlor	5.207	5.208	-0.001	624874	50.0000	52.086
	11 Aldrin	5.478	5.480	-0.002	600839	50.0000	49.598
	13 Isodrin	5.803	5.804	-0.001	526792	50.0000	49.917
	15 Heptachlor epoxide	6.090	6.091	-0.001	548185	50.0000	50.324
	18 gamma-Chlordane	6.222	6.223	-0.001	572031	50.0000	50.419
	19 alpha-Chlordane	6.362	6.362	0.000	549550	50.0000	50.455
	20 4,4'-DDE	6.439	6.440	-0.001	552190	50.0000	51.100
	21 Endosulfan I	6.505	6.505	0.000	512969	50.0000	49.870
	23 Dieldrin	6.750	6.750	0.000	559096	50.0000	50.454
	25 Endrin	6.984	6.985	-0.001	465416	50.0000	54.191
	27 4,4'-DDD	7.045	7.045	0.000	560344	50.0000	51.840
	29 Endosulfan II	7.205	7.205	0.000	485233	50.0000	50.275
	30 4,4'-DDT	7.319	7.320	-0.001	461429	50.0000	52.803
	31 Endrin aldehyde	7.612	7.612	0.000	400667	50.0000	48.812
	32 Methoxychlor	7.776	7.777	-0.001	232123	50.0000	54.620
	33 Mirex	7.924	7.925	-0.001	353061	50.0000	50.087
	34 Endosulfan sulfate	8.021	8.022	-0.001	440091	50.0000	50.158
	35 Endrin ketone	8.281	8.282	-0.001	520581	50.0000	50.980
$	36 Decachlorobiphenyl	9.209	9.210	-0.001	348100	50.0000	48.562

Data File: 04160042.D

Date: 16-APR-2012 20:52

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/6 Calibration Date: 04/16/2012 20:52

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160042.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	11526	10588		47.3	50.0	-5.4	15.0
alpha-BHC	Ave	15607	15218		48.8	50.0	-2.5	20.0
gamma-BHC (Lindane)	Lin2	13922	13604		48.8	50.0	-2.4	20.0
beta-BHC	Lin2	5996	5698		49.1	50.0	-1.8	20.0
delta-BHC	Lin2	14001	13749		48.9	50.0	-2.2	20.0
Heptachlor	Lin2	12338	11976		49.3	50.0	-1.4	20.0
Aldrin	Ave	13324	12768		47.9	50.0	-4.2	20.0
Isodrin	Lin2	11725	11180		48.3	50.0	-3.3	15.0
Heptachlor epoxide	Lin2	11931	11446		48.6	50.0	-2.9	20.0
gamma-Chlordane	Ave	12801	12320		48.1	50.0	-3.8	20.0
alpha-Chlordane	Ave	12453	11846		47.6	50.0	-4.9	20.0
Endosulfan I	Lin2	11519	10916		48.3	50.0	-3.3	20.0
4,4'-DDE	Ave	12298	11978		48.7	50.0	-2.6	20.0
Dieldrin	Ave	12482	11977		48.0	50.0	-4.0	20.0
Endrin	Lin2	9540	9703		52.2	50.0	4.3	20.0
4,4'-DDD	Qua	10883	10009		48.1	50.0	-3.8	20.0
Endosulfan II	Lin2	11185	10509		48.2	50.0	-3.5	20.0
4,4'-DDT	Lin2	8770	8731		49.7	50.0	-0.7	20.0
Endrin aldehyde	Lin2	9502	8677		46.9	50.0	-6.1	20.0
Endosulfan sulfate	Lin2	10293	9878		48.9	50.0	-2.2	20.0
Methoxychlor	Lin2	4384	4417		52.4	50.0	4.7	20.0
Mirex	Lin2	8299	7556		47.6	50.0	-4.8	15.0
Endrin ketone	Lin2	11452	10957		49.2	50.0	-1.7	20.0
Tetrachloro-m-xylene	Lin2	11033	10274		47.4	50.0	-5.2	20.0
DCB Decachlorobiphenyl	Lin2	8824	7776		46.3	50.0	-7.4	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/6 Calibration Date: 04/16/2012 20:52

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160042.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.27	4.26	4.28
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.80	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.10
Aldrin	5.35	5.34	5.37
Isodrin	5.71	5.70	5.72
Heptachlor epoxide	5.89	5.88	5.90
gamma-Chlordane	6.09	6.08	6.10
alpha-Chlordane	6.24	6.23	6.26
Endosulfan I	6.30	6.29	6.31
4,4'-DDE	6.42	6.41	6.43
Dieldrin	6.58	6.57	6.59
Endrin	6.88	6.87	6.90
4,4'-DDD	7.00	6.99	7.01
Endosulfan II	7.09	7.08	7.10
4,4'-DDT	7.30	7.29	7.32
Endrin aldehyde	7.42	7.41	7.43
Endosulfan sulfate	7.68	7.67	7.69
Methoxychlor	7.95	7.94	7.97
Mirex	8.13	8.12	8.15
Endrin ketone	8.17	8.16	8.18
Tetrachloro-m-xylene	3.79	3.78	3.80
DCB Decachlorobiphenyl	9.32	9.31	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416122b.b\04160042.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 16-APR-2012 20:52
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416122b.b\P1_8081_2.m
Meth Date : 17-Apr-2012 11:58 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

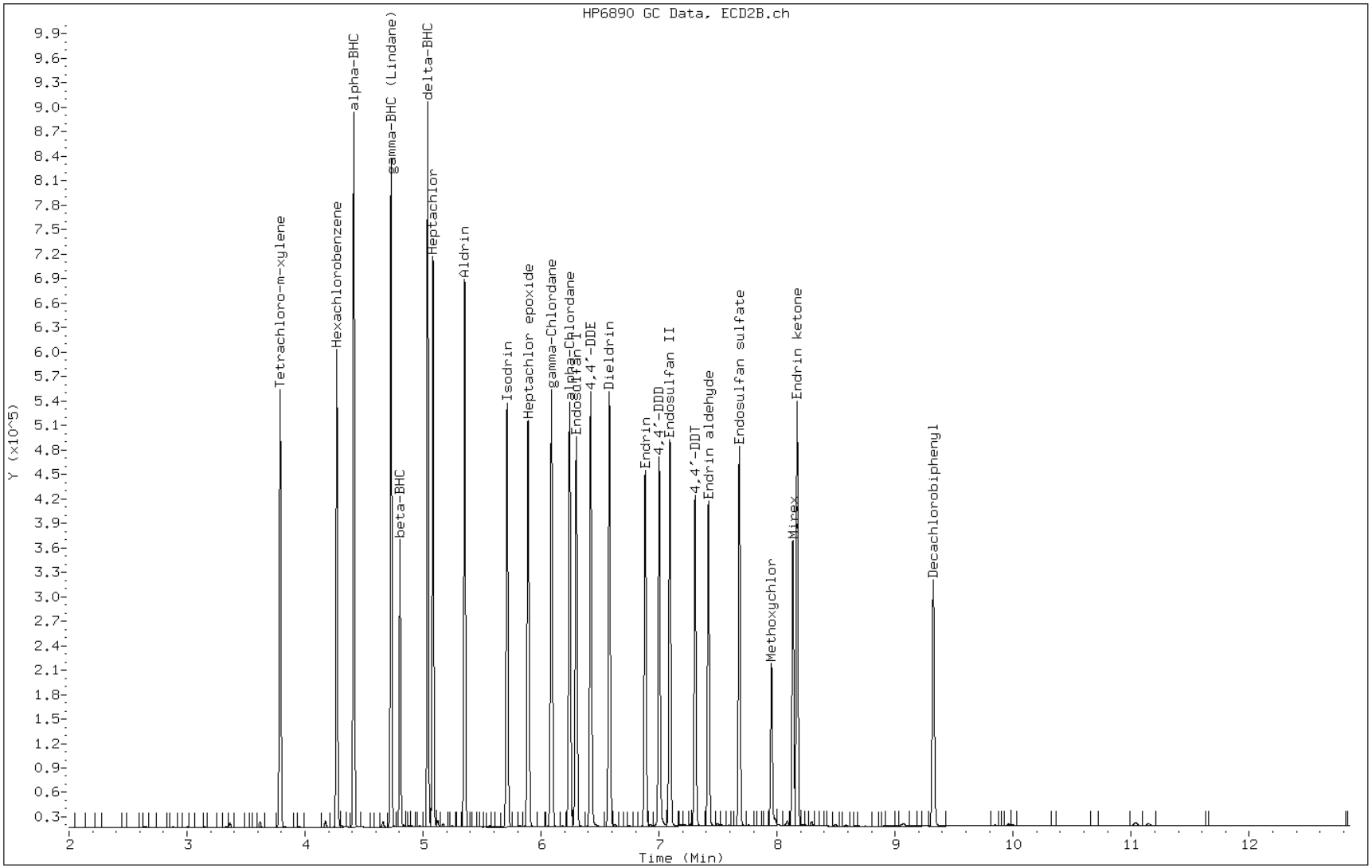
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 2 Tetrachloro-m-xylene	3.788	3.788	0.000	513701	50.0000	47.410
4 Hexachlorobenzene	4.268	4.269	-0.001	529375	50.0000	47.286
5 alpha-BHC	4.413	4.412	0.001	760902	50.0000	48.753
6 gamma-BHC (Lindane)	4.728	4.728	0.000	680209	50.0000	48.800
7 beta-BHC	4.804	4.804	0.000	284901	50.0000	49.120
9 delta-BHC	5.038	5.039	-0.001	687450	50.0000	48.877
10 Heptachlor	5.083	5.084	-0.001	598782	50.0000	49.308
11 Aldrin	5.352	5.352	0.000	638424	50.0000	47.915
15 Isodrin	5.711	5.711	0.000	558985	50.0000	48.325
16 Heptachlor epoxide	5.889	5.890	-0.001	572282	50.0000	48.565
17 gamma-Chlordane	6.088	6.089	-0.001	616008	50.0000	48.122
19 alpha-Chlordane	6.241	6.242	-0.001	592281	50.0000	47.563
20 Endosulfan I	6.298	6.298	0.000	545795	50.0000	48.330
21 4,4'-DDE	6.419	6.421	-0.002	598907	50.0000	48.699
22 Dieldrin	6.578	6.579	-0.001	598858	50.0000	47.979
25 Endrin	6.882	6.883	-0.001	485128	50.0000	52.173
28 4,4'-DDD	7.000	7.001	-0.001	500444	50.0000	48.104
29 Endosulfan II	7.091	7.091	0.000	525447	50.0000	48.237
30 4,4'-DDT	7.304	7.306	-0.002	436547	50.0000	49.666
31 Endrin aldehyde	7.418	7.419	-0.001	433832	50.0000	46.927
32 Endosulfan sulfate	7.679	7.681	-0.002	493885	50.0000	48.922
33 Methoxychlor	7.952	7.954	-0.002	220851	50.0000	52.358
34 Mirex	8.133	8.134	-0.001	377799	50.0000	47.579
35 Endrin ketone	8.169	8.170	-0.001	547860	50.0000	49.170
$ 36 Decachlorobiphenyl	9.323	9.324	-0.001	388803	50.0000	46.286

Data File: 04160042.D

Date: 16-APR-2012 20:52

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/7 Calibration Date: 04/16/2012 21:09

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04160043.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2	30.30	30.49		162	200	-19.1*	15.0
Toxaphene Peak 2	Lin2	116.9	123.9		192	200	-4.0	15.0
Toxaphene Peak 3	Lin2	154.2	183.9		210	200	4.8	15.0
Toxaphene Peak 4	Lin2	235.3	220.3		193	200	-3.5	15.0
Toxaphene Peak 5	Lin2	358.6	332.6		184	200	-8.2	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/7 Calibration Date: 04/16/2012 21:09

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04160043.D

Analyte	RT	RT WINDOW	
		TO	FROM
Toxaphene Peak 1	5.65	5.64	5.67
Toxaphene Peak 2	6.34	6.32	6.35
Toxaphene Peak 3	7.07	7.06	7.09
Toxaphene Peak 4	7.64	7.63	7.66
Toxaphene Peak 5	7.93	7.92	7.95

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160043.D
Lab Smp Id: CCV-1322857 TOX
Inj Date : 16-APR-2012 21:09
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1322857 TOX
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 37 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC359

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.652	5.654	-0.002	6098	200.000	161.88	80.00- 120.00	100.00(qM)
6.335	6.335	0.000	24772	200.000	192.02	188.17- 282.26	406.23
7.074	7.076	-0.002	36770	200.000	209.64	372.89- 559.34	602.98
7.640	7.643	-0.003	44052	200.000	193.04	652.45- 978.68	722.40
7.930	7.932	-0.002	66511	200.000	183.53	1159.83-1739.74	1090.70
Average of Peak Amounts =					188.022		

QC Flag Legend

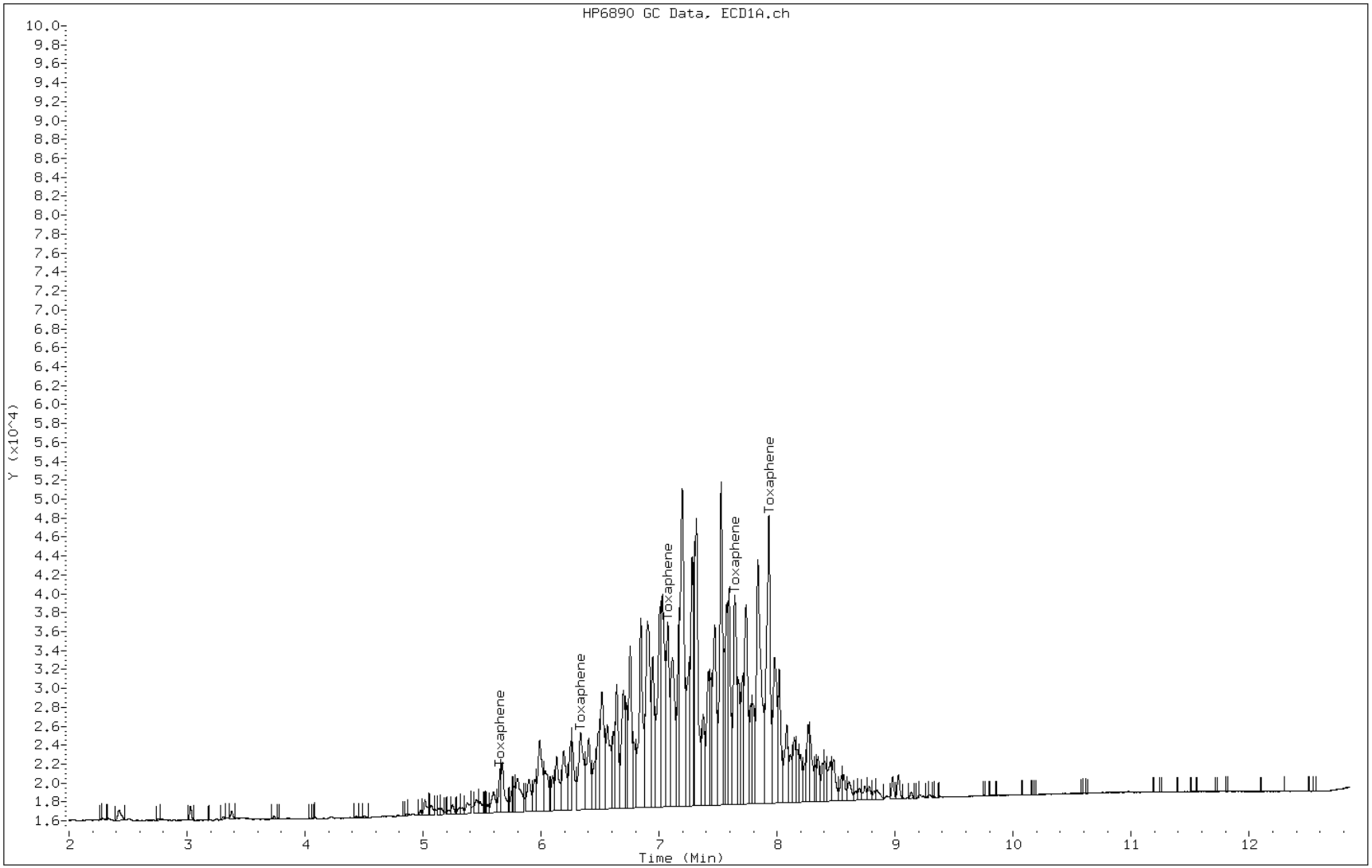
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File: 04160043.D

Date: 16-APR-2012 21:09

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1322857 TOX Operator: DW



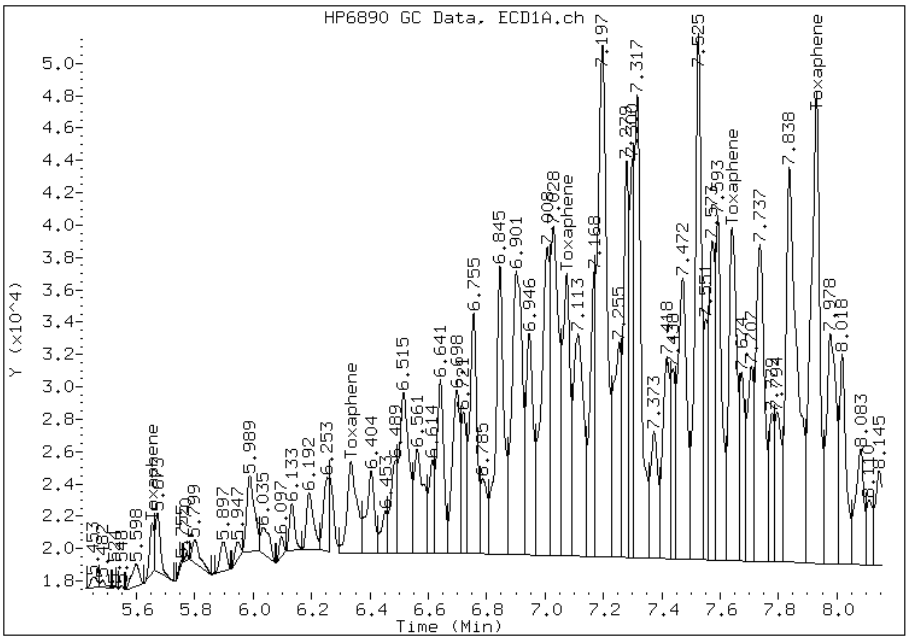
Manual Integration Report

Data File: 04160043.D
Inj. Date and Time: 16-APR-2012 21:09
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/17/2012

Processing Integration Results

RT	Response	Conc
5.65	3120*	55.76
6.34	13146*	88.58
7.07	31519*	173.52
7.64	39498*	173.95
7.93	61617*	169.85

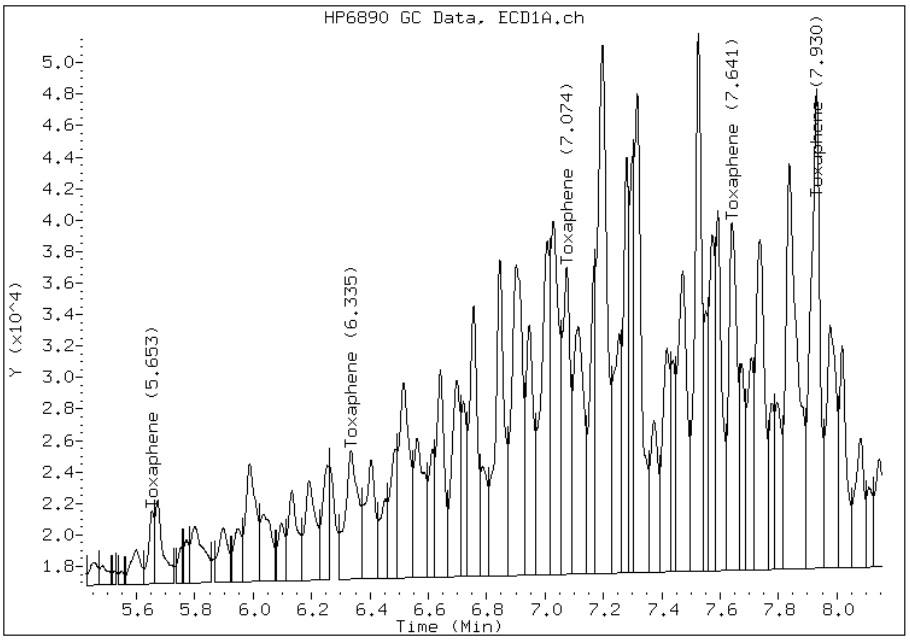
Final Conc		132.33



Manual Integration Results

RT	Response	Conc
5.65	6098*	161.88
6.34	24772*	192.02
7.07	36770*	209.64
7.64	44052*	193.04
7.93	66511*	183.53

Final Conc		188.02



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/19 Calibration Date: 04/17/2012 00:35

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160055.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	10612	9992		48.6	50.0	-2.7	15.0
alpha-BHC	Ave	14539	14306		49.2	50.0	-1.6	20.0
gamma-BHC (Lindane)	Ave	13096	12874		49.1	50.0	-1.7	20.0
beta-BHC	Lin2	5674	5376		49.3	50.0	-1.4	20.0
delta-BHC	Ave	13122	13056		49.7	50.0	-0.5	20.0
Heptachlor	Lin2	12181	12142		50.6	50.0	1.2	20.0
Aldrin	Ave	12114	11777		48.6	50.0	-2.8	20.0
Isodrin	Lin2	10754	10340		49.0	50.0	-2.0	15.0
Heptachlor epoxide	Lin2	11177	10715		49.2	50.0	-1.7	20.0
gamma-Chlordane	Lin2	11508	11211		49.4	50.0	-1.2	20.0
alpha-Chlordane	Lin2	11063	10750		49.3	50.0	-1.3	20.0
4,4'-DDE	Lin2	10825	10807		50.0	50.0	0.0	20.0
Endosulfan I	Lin2	10580	10033		48.8	50.0	-2.5	20.0
Dieldrin	Lin2	11230	10908		49.2	50.0	-1.6	20.0
Endrin	Lin2	8733	8921		51.9	50.0	3.8	20.0
4,4'-DDD	Qua	11727	11478		53.0	50.0	5.9	20.0
Endosulfan II	Lin2	9919	9467		49.0	50.0	-1.9	20.0
4,4'-DDT	Lin2	8812	8334		47.7	50.0	-4.7	20.0
Endrin aldehyde	Lin2	8507	7715		47.0	50.0	-6.1	20.0
Methoxychlor	Lin2	4447	4120		48.4	50.0	-3.3	20.0
Mirex	Lin2	7482	6815		48.3	50.0	-3.4	15.0
Endosulfan sulfate	Lin2	9135	8527		48.6	50.0	-2.9	20.0
Endrin ketone	Lin2	10532	10149		49.7	50.0	-0.6	20.0
Tetrachloro-m-xylene	Lin2	10194	9615		48.4	50.0	-3.2	20.0
DCB Decachlorobiphenyl	Lin2	7562	6747		47.0	50.0	-5.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/19 Calibration Date: 04/17/2012 00:35

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160055.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.33	4.32	4.35
alpha-BHC	4.51	4.49	4.52
gamma-BHC (Lindane)	4.80	4.79	4.81
beta-BHC	4.88	4.87	4.89
delta-BHC	5.03	5.02	5.04
Heptachlor	5.21	5.20	5.22
Aldrin	5.48	5.47	5.49
Isodrin	5.80	5.79	5.82
Heptachlor epoxide	6.09	6.08	6.10
gamma-Chlordane	6.22	6.21	6.24
alpha-Chlordane	6.36	6.35	6.38
4,4'-DDE	6.44	6.43	6.45
Endosulfan I	6.50	6.49	6.52
Dieldrin	6.75	6.74	6.76
Endrin	6.98	6.97	7.00
4,4'-DDD	7.04	7.03	7.06
Endosulfan II	7.20	7.19	7.22
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.61	7.60	7.63
Methoxychlor	7.78	7.76	7.79
Mirex	7.92	7.91	7.94
Endosulfan sulfate	8.02	8.01	8.04
Endrin ketone	8.28	8.27	8.30
Tetrachloro-m-xylene	3.92	3.91	3.93
DCB Decachlorobiphenyl	9.21	9.20	9.22

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160055.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 17-APR-2012 00:35
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 49 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

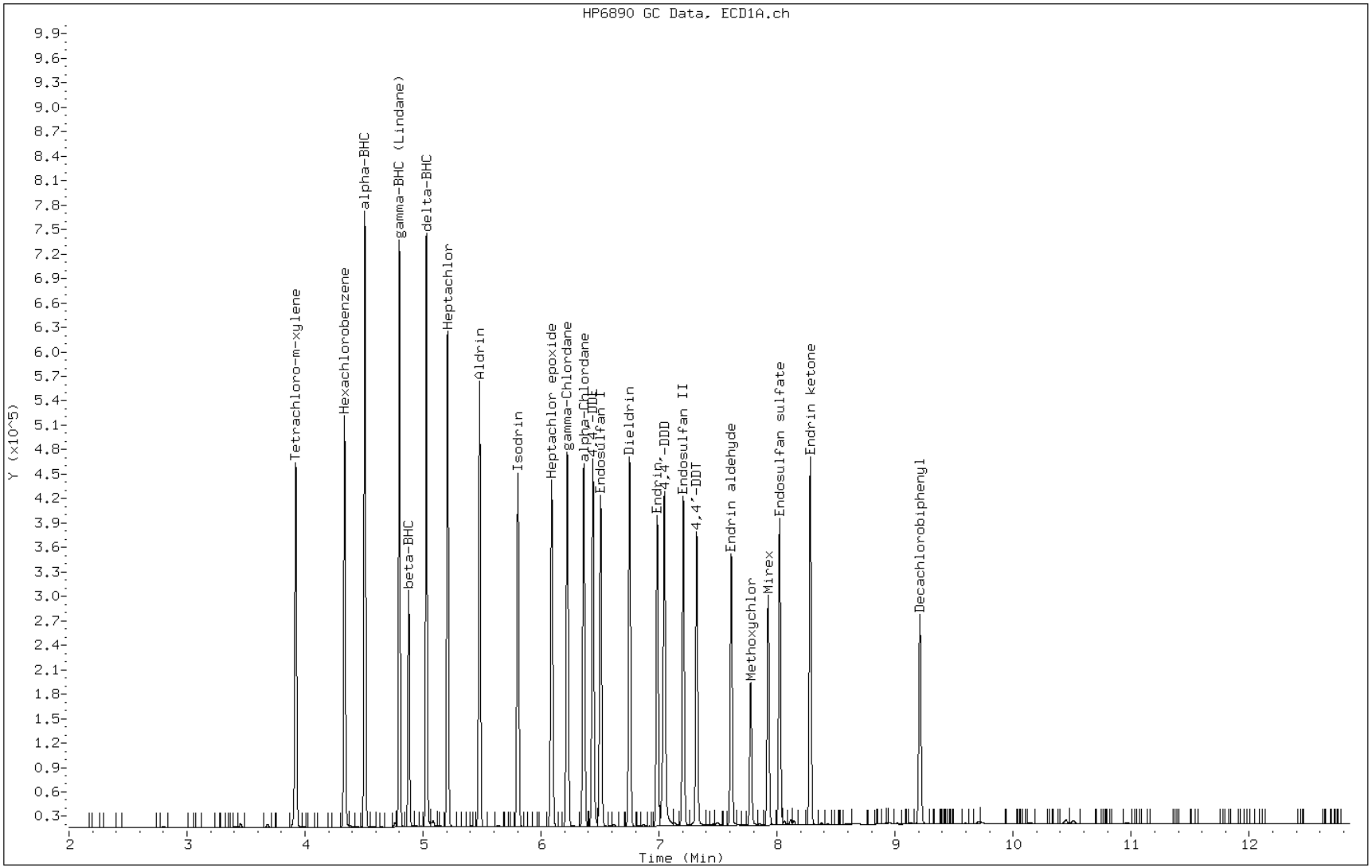
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)
$	2 Tetrachloro-m-xylene	3.920	3.920	0.000	480726	50.0000	48.384
	3 Hexachlorobenzene	4.334	4.334	0.000	499617	50.0000	48.650
	5 alpha-BHC	4.506	4.505	0.001	715280	50.0000	49.198
	6 gamma-BHC (Lindane)	4.798	4.799	-0.001	643686	50.0000	49.150
	7 beta-BHC	4.878	4.878	0.000	268808	50.0000	49.281
	8 delta-BHC	5.028	5.028	0.000	652785	50.0000	49.748
	10 Heptachlor	5.208	5.208	0.000	607104	50.0000	50.595
	11 Aldrin	5.478	5.480	-0.002	588826	50.0000	48.606
	13 Isodrin	5.803	5.804	-0.001	516999	50.0000	48.982
	15 Heptachlor epoxide	6.089	6.091	-0.002	535742	50.0000	49.170
	18 gamma-Chlordane	6.222	6.223	-0.001	560572	50.0000	49.403
	19 alpha-Chlordane	6.361	6.362	-0.001	537515	50.0000	49.343
	20 4,4'-DDE	6.438	6.440	-0.002	540363	50.0000	50.005
	21 Endosulfan I	6.504	6.505	-0.001	501634	50.0000	48.755
	23 Dieldrin	6.749	6.750	-0.001	545395	50.0000	49.210
	25 Endrin	6.983	6.985	-0.002	446063	50.0000	51.923
	27 4,4'-DDD	7.044	7.045	-0.001	573889	50.0000	52.952
	29 Endosulfan II	7.204	7.205	-0.001	473348	50.0000	49.030
	30 4,4'-DDT	7.318	7.320	-0.002	416682	50.0000	47.666
	31 Endrin aldehyde	7.610	7.612	-0.002	385744	50.0000	46.966
	32 Methoxychlor	7.775	7.777	-0.002	206012	50.0000	48.374
	33 Mirex	7.923	7.925	-0.002	340734	50.0000	48.295
	34 Endosulfan sulfate	8.020	8.022	-0.002	426332	50.0000	48.564
	35 Endrin ketone	8.280	8.282	-0.002	507452	50.0000	49.678
$	36 Decachlorobiphenyl	9.209	9.210	-0.001	337369	50.0000	47.030

Data File: 04160055.D

Date: 17-APR-2012 00:35

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/19 Calibration Date: 04/17/2012 00:35

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160055.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2	11526	10578		47.2	50.0	-5.5	15.0
alpha-BHC	Ave	15607	15277		48.9	50.0	-2.1	20.0
gamma-BHC (Lindane)	Lin2	13922	13640		48.9	50.0	-2.1	20.0
beta-BHC	Lin2	5996	5751		49.6	50.0	-0.8	20.0
delta-BHC	Lin2	14001	13880		49.3	50.0	-1.3	20.0
Heptachlor	Lin2	12338	11883		48.9	50.0	-2.2	20.0
Aldrin	Ave	13324	12734		47.8	50.0	-4.4	20.0
Isodrin	Lin2	11725	11142		48.2	50.0	-3.7	15.0
Heptachlor epoxide	Lin2	11931	11342		48.1	50.0	-3.8	20.0
gamma-Chlordane	Ave	12801	12233		47.8	50.0	-4.4	20.0
alpha-Chlordane	Ave	12453	11761		47.2	50.0	-5.6	20.0
Endosulfan I	Lin2	11519	10853		48.0	50.0	-3.9	20.0
4,4'-DDE	Ave	12298	11959		48.6	50.0	-2.8	20.0
Dieldrin	Ave	12482	11915		47.7	50.0	-4.5	20.0
Endrin	Lin2	9540	9470		50.9	50.0	1.8	20.0
4,4'-DDD	Qua	10883	10639		50.8	50.0	1.5	20.0
Endosulfan II	Lin2	11185	10436		47.9	50.0	-4.2	20.0
4,4'-DDT	Lin2	8770	8026		45.7	50.0	-8.7	20.0
Endrin aldehyde	Lin2	9502	8560		46.3	50.0	-7.4	20.0
Endosulfan sulfate	Lin2	10293	9788		48.5	50.0	-3.1	20.0
Methoxychlor	Lin2	4384	4115		48.7	50.0	-2.6	20.0
Mirex	Lin2	8299	7409		46.6	50.0	-6.7	15.0
Endrin ketone	Lin2	11452	10895		48.9	50.0	-2.2	20.0
Tetrachloro-m-xylene	Lin2	11033	10264		47.4	50.0	-5.3	20.0
DCB Decachlorobiphenyl	Lin2	8824	7598		45.2	50.0	-9.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/19 Calibration Date: 04/17/2012 00:35

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 16:20

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 03/21/2012 17:44

Lab File ID: 04160055.D

Analyte	RT	RT WINDOW	
		TO	FROM
Hexachlorobenzene	4.27	4.26	4.28
alpha-BHC	4.41	4.40	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.80	4.79	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.10
Aldrin	5.35	5.34	5.37
Isodrin	5.71	5.70	5.72
Heptachlor epoxide	5.89	5.88	5.90
gamma-Chlordane	6.09	6.08	6.10
alpha-Chlordane	6.24	6.23	6.26
Endosulfan I	6.30	6.29	6.31
4,4'-DDE	6.42	6.41	6.43
Dieldrin	6.58	6.57	6.59
Endrin	6.88	6.87	6.90
4,4'-DDD	7.00	6.99	7.01
Endosulfan II	7.09	7.08	7.10
4,4'-DDT	7.30	7.29	7.32
Endrin aldehyde	7.42	7.41	7.43
Endosulfan sulfate	7.68	7.67	7.69
Methoxychlor	7.95	7.94	7.97
Mirex	8.13	8.12	8.15
Endrin ketone	8.17	8.16	8.18
Tetrachloro-m-xylene	3.79	3.78	3.80
DCB Decachlorobiphenyl	9.32	9.31	9.34

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416122b.b\04160055.D
Lab Smp Id: CCV-1288856 AB4
Inj Date : 17-APR-2012 00:35
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1288856 AB4
Misc Info : Column 2 - Restek 30m 0.32mm ID 0.25um df Rtx CLP-II
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416122b.b\P1_8081_2.m
Meth Date : 17-Apr-2012 11:58 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 49 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

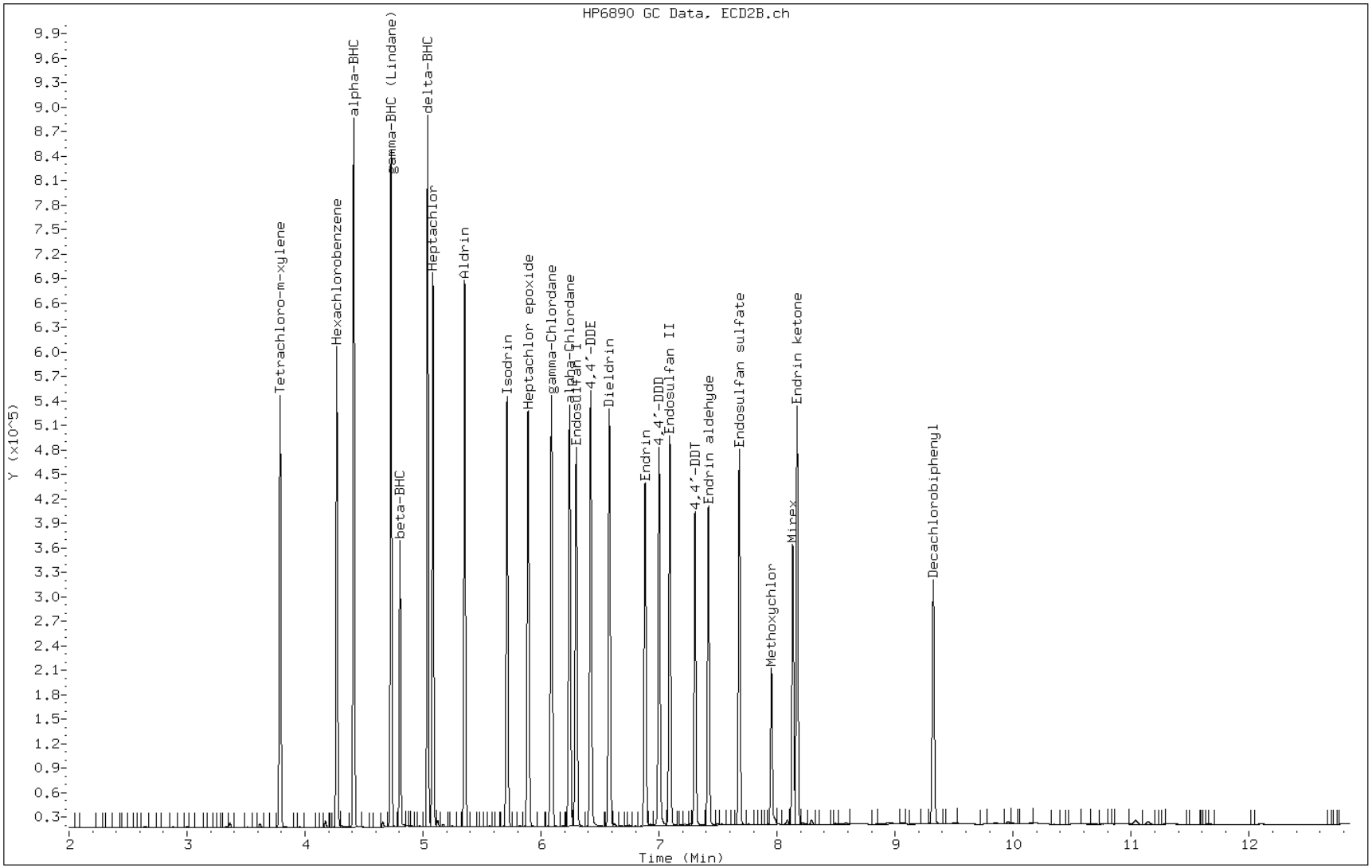
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	AMOUNTS ON-COL (ng/ml)
$ 2 Tetrachloro-m-xylene	3.788	3.788	0.000	513196	50.0000	47.364
4 Hexachlorobenzene	4.269	4.269	0.000	528910	50.0000	47.244
5 alpha-BHC	4.412	4.412	0.000	763840	50.0000	48.941
6 gamma-BHC (Lindane)	4.728	4.728	0.000	682009	50.0000	48.930
7 beta-BHC	4.804	4.804	0.000	287527	50.0000	49.580
9 delta-BHC	5.038	5.039	-0.001	694017	50.0000	49.343
10 Heptachlor	5.083	5.084	-0.001	594140	50.0000	48.924
11 Aldrin	5.352	5.352	0.000	636720	50.0000	47.787
15 Isodrin	5.711	5.711	0.000	557104	50.0000	48.162
16 Heptachlor epoxide	5.889	5.890	-0.001	567107	50.0000	48.123
17 gamma-Chlordane	6.088	6.089	-0.001	611639	50.0000	47.781
19 alpha-Chlordane	6.241	6.242	-0.001	588032	50.0000	47.222
20 Endosulfan I	6.298	6.298	0.000	542640	50.0000	48.049
21 4,4'-DDE	6.419	6.421	-0.002	597973	50.0000	48.623
22 Dieldrin	6.578	6.579	-0.001	595756	50.0000	47.730
25 Endrin	6.881	6.883	-0.002	473512	50.0000	50.911
28 4,4'-DDD	6.999	7.001	-0.002	531963	50.0000	50.759
29 Endosulfan II	7.090	7.091	-0.001	521808	50.0000	47.899
30 4,4'-DDT	7.304	7.306	-0.002	401315	50.0000	45.660
31 Endrin aldehyde	7.417	7.419	-0.002	427988	50.0000	46.287
32 Endosulfan sulfate	7.679	7.681	-0.002	489377	50.0000	48.472
33 Methoxychlor	7.951	7.954	-0.003	205739	50.0000	48.722
34 Mirex	8.132	8.134	-0.002	370467	50.0000	46.637
35 Endrin ketone	8.169	8.170	-0.001	544759	50.0000	48.889
$ 36 Decachlorobiphenyl	9.323	9.324	-0.001	379920	50.0000	45.204

Data File: 04160055.D

Date: 17-APR-2012 00:35

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1288856 AB4 Operator: DW



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/20 Calibration Date: 04/17/2012 00:52

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04160056.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2	30.30	32.70		178	200	-11.2	15.0
Toxaphene Peak 2	Lin2	116.9	125.4		195	200	-2.6	15.0
Toxaphene Peak 3	Lin2	154.2	157.0		173	200	-13.7	15.0
Toxaphene Peak 4	Lin2	235.3	197.2		174	200	-13.2	15.0
Toxaphene Peak 5	Lin2	358.6	302.4		167	200	-16.7*	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115801/20 Calibration Date: 04/17/2012 00:52

Instrument ID: GCS_P1 Calib Start Date: 03/21/2012 18:17

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 03/21/2012 19:41

Lab File ID: 04160056.D

Analyte	RT	RT WINDOW	
		TO	FROM
Toxaphene Peak 1	5.66	5.64	5.67
Toxaphene Peak 2	6.33	6.32	6.35
Toxaphene Peak 3	7.07	7.06	7.09
Toxaphene Peak 4	7.64	7.63	7.66
Toxaphene Peak 5	7.93	7.92	7.95

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\04160056.D
Lab Smp Id: CCV-1322857 TOX
Inj Date : 17-APR-2012 00:52
Operator : DW Inst ID: GC_P1.i
Smp Info : CCV-1322857 TOX
Misc Info : Column 1- Restek 30m 0.32mm ID 0.5um df Rtx CLP-I
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0416121b.b\P1_8081_1.m
Meth Date : 17-Apr-2012 11:34 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 50 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOXAPHENE.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC359

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
17 Toxaphene					CAS #: 8001-35-2		
5.655	5.654	0.001	6539	200.000	177.60	80.00- 120.00	100.00(qM)
6.334	6.335	-0.001	25076	200.000	194.73	188.17- 282.26	383.48
7.074	7.076	-0.002	31392	200.000	172.65	372.89- 559.34	480.07
7.642	7.643	-0.001	39439	200.000	173.70	652.45- 978.68	603.14
7.931	7.932	-0.001	60482	200.000	166.68	1159.83-1739.74	924.94
Average of Peak Amounts =					177.072		

QC Flag Legend

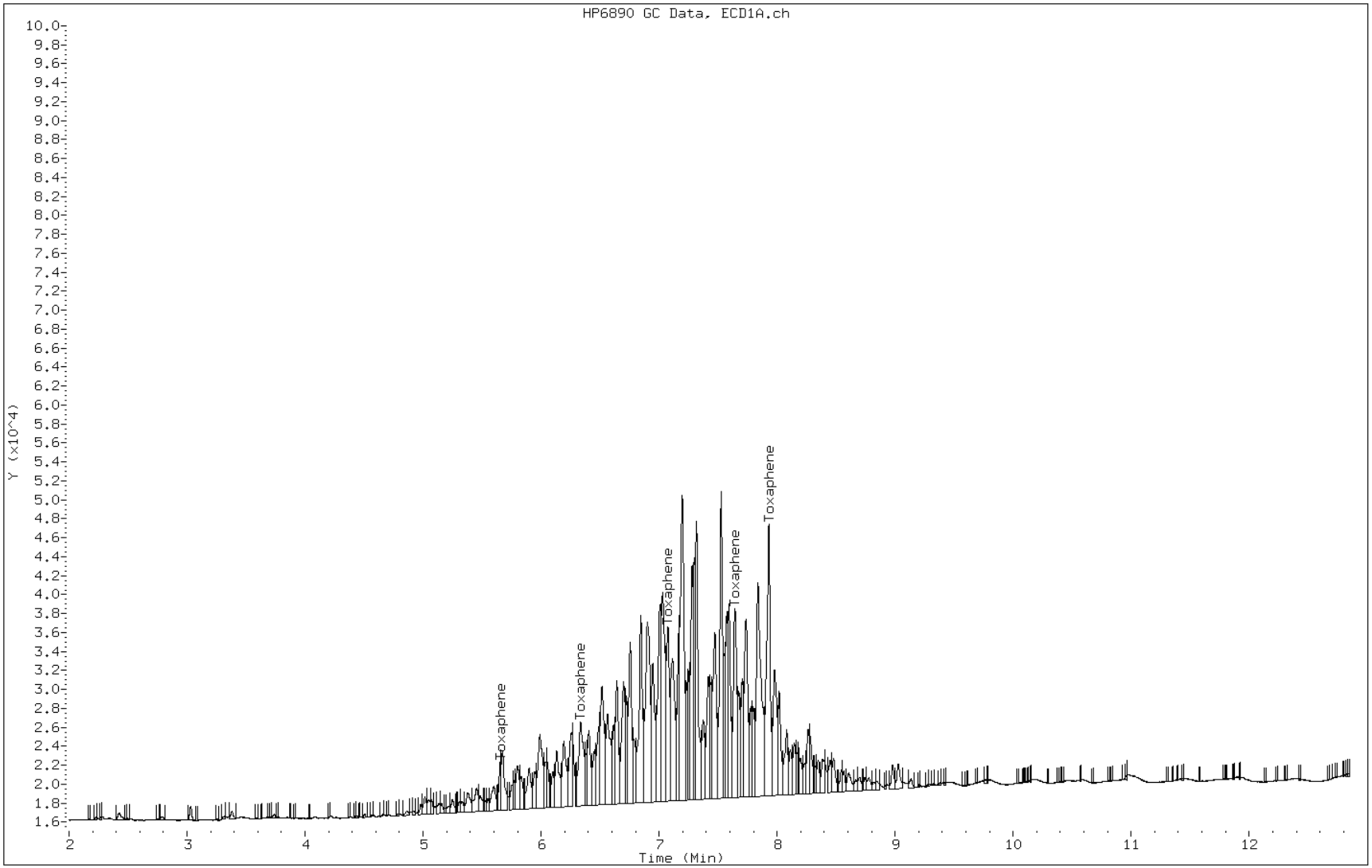
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File: 04160056.D

Date: 17-APR-2012 00:52

Client ID: Instrument: GC_P1.i

Sample Info: CCV-1322857 TOX Operator: DW



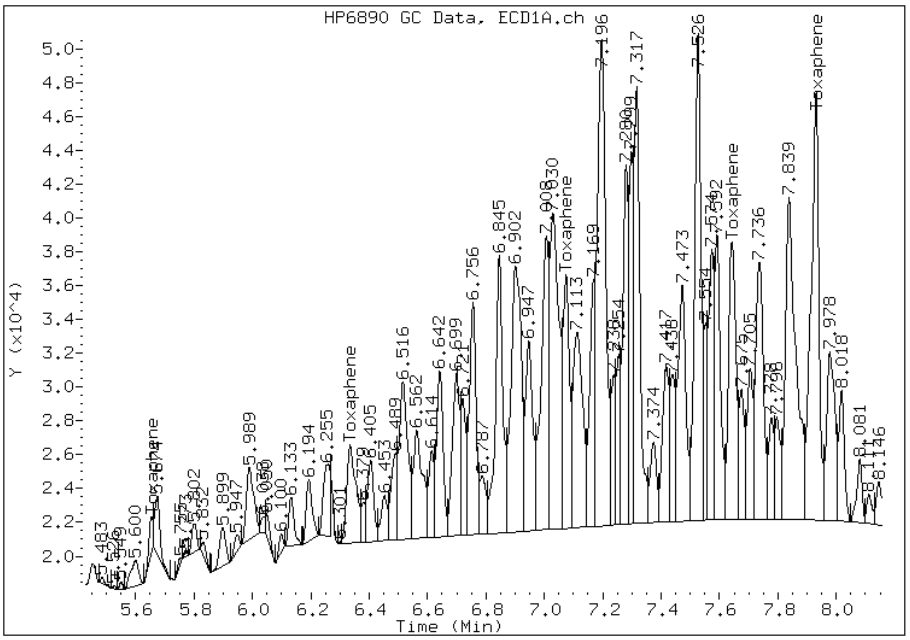
Manual Integration Report

Data File: 04160056.D
Inj. Date and Time: 17-APR-2012 00:52
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/17/2012

Processing Integration Results

RT	Response	Conc
5.66	2063*	18.10
6.33	12616*	83.87
7.07	23866*	120.88
7.64	29368*	131.47
7.93	47554*	130.53

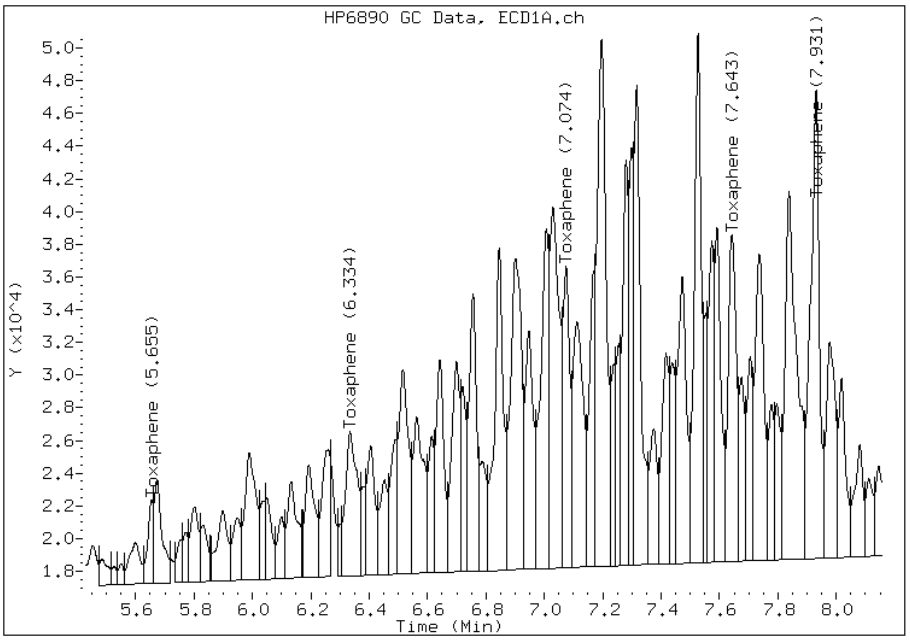
Final Conc		96.97



Manual Integration Results

RT	Response	Conc
5.66	6539*	177.60
6.33	25076*	194.73
7.07	31392*	172.65
7.64	39439*	173.70
7.93	60482*	166.68

Final Conc		177.07



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-113965/1-A

Matrix: Water | Lab File ID: 04050054.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/02/2012 17:50

Sample wt/vol: 1000(mL) | Date Analyzed: 04/05/2012 23:32

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 114395 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.010	U	0.050	0.010	0.0077
72-55-9	4,4'-DDE	0.010	U	0.050	0.010	0.0075
50-29-3	4,4'-DDT	0.010	U	0.050	0.010	0.015
309-00-2	Aldrin	0.010	U	0.050	0.010	0.0059
319-84-6	alpha-BHC	0.010	U	0.050	0.010	0.0053
319-85-7	beta-BHC	0.010	U	0.050	0.010	0.0087
319-86-8	delta-BHC	0.010	U	0.050	0.010	0.0058
58-89-9	gamma-BHC (Lindane)	0.010	U	0.050	0.010	0.0069
76-44-8	Heptachlor	0.010	U	0.050	0.010	0.0077
1024-57-3	Heptachlor epoxide	0.010	U	0.050	0.010	0.0075
959-98-8	Endosulfan I	0.010	U	0.050	0.010	0.0058
33213-65-9	Endosulfan II	0.010	U	0.050	0.010	0.0070
1031-07-8	Endosulfan sulfate	0.010	U	0.050	0.010	0.0057
72-20-8	Endrin	0.010	U	0.050	0.010	0.0079
7421-93-4	Endrin aldehyde	0.010	U	0.050	0.010	0.0088
53494-70-5	Endrin ketone	0.010	U	0.050	0.010	0.0070
5103-74-2	gamma-Chlordane	0.010	U	0.050	0.010	0.0091
72-43-5	Methoxychlor	0.010	U	0.10	0.010	0.013
5103-71-9	alpha-Chlordane	0.010	U	0.050	0.010	0.0053
60-57-1	Dieldrin	0.010	U	0.050	0.010	0.0063
8001-35-2	Toxaphene	0.80	U	5.0	0.80	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87		25-140
2051-24-3	DCB Decachlorobiphenyl	107		30-135

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\04050054.D
Lab Smp Id: MB 280-113965/1-A
Inj Date : 05-APR-2012 23:32
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342457,65-B
Misc Info : MB 280-113965_1-A
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\P1_8081_1.m
Meth Date : 06-Apr-2012 09:07 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 48 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Vs) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Vs	1000.000	Volume of Sample Extract (mL)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/L)
$ 2	Tetrachloro-m-xylene	3.917	3.916	0.001	177129	17.4876	0.17488
3	Hexachlorobenzene	Compound Not Detected.					
4	Diallate	Compound Not Detected.					
5	alpha-BHC	Compound Not Detected.					
6	gamma-BHC (Lindane)	Compound Not Detected.					
7	beta-BHC	Compound Not Detected.					
8	delta-BHC	Compound Not Detected.					
9	Technical Chlordane	Compound Not Detected.					
10	Heptachlor	Compound Not Detected.					
11	Aldrin	Compound Not Detected.					
12	Chlorpyrifos	Compound Not Detected.					
13	Isodrin	Compound Not Detected.					
14	Dicofol	Compound Not Detected.					
15	Heptachlor epoxide	Compound Not Detected.					
16	2,4'-DDE	Compound Not Detected.					
17	Toxaphene	Compound Not Detected.					
18	gamma-Chlordane	Compound Not Detected.					
19	alpha-Chlordane	Compound Not Detected.					
20	4,4'-DDE	Compound Not Detected.					
21	Endosulfan I	Compound Not Detected.					
22	2,4'-DDD	Compound Not Detected.					

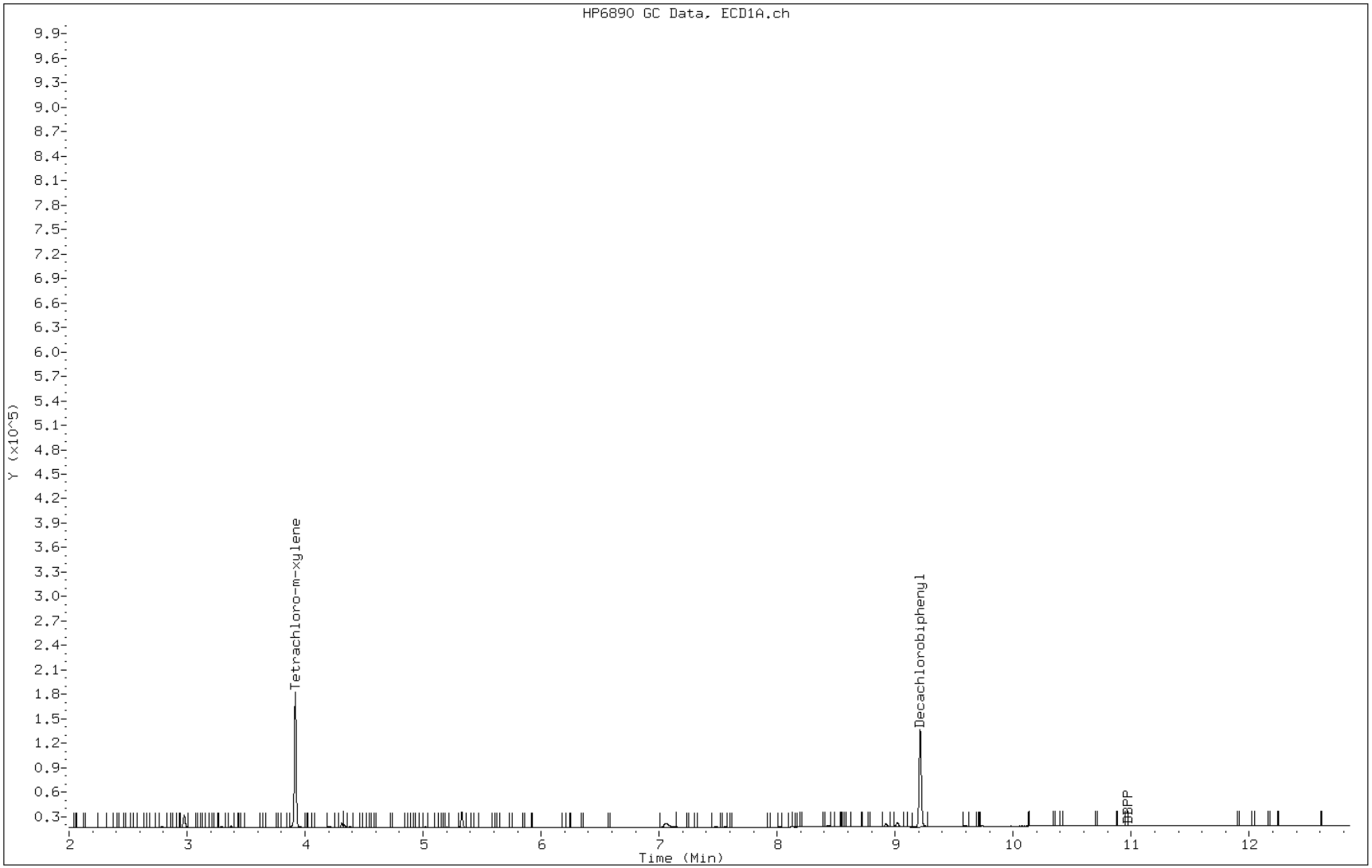
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/L)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.212	9.213	-0.001	157629	21.3721	0.21372
	37 DBPP	10.970	10.973	-0.003	195	395.550	3.9555
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

Data File: 04050054.D

Date: 05-APR-2012 23:32

Client ID: Instrument: GC_P1.i

Sample Info: 280-1342457,65-B Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-113965/1-A

Matrix: Water | Lab File ID: 04050054.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/02/2012 17:50

Sample wt/vol: 1000(mL) | Date Analyzed: 04/05/2012 23:32

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

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

Analysis Batch No.: 114395 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		25-140
2051-24-3	DCB Decachlorobiphenyl	102		30-135

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\04050054.D
Lab Smp Id: MB 280-113965/1-A
Inj Date : 05-APR-2012 23:32
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342457,65-B
Misc Info : MB 280-113965_1-A
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\P1_8081_2.m
Meth Date : 06-Apr-2012 09:23 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 48 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Vs) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Vs	1000.000	Volume of Sample Extract (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng/ml)	FINAL (ug/L)
$	2 Tetrachloro-m-xylene	3.785	3.785	0.000	185463	16.8682	0.16868
	3 Diallate	Compound Not Detected.					
	4 Hexachlorobenzene	Compound Not Detected.					
	5 alpha-BHC	Compound Not Detected.					
	6 gamma-BHC (Lindane)	Compound Not Detected.					
	7 beta-BHC	Compound Not Detected.					
	8 Technical Chlordane	Compound Not Detected.					
	9 delta-BHC	Compound Not Detected.					
	10 Heptachlor	Compound Not Detected.					
	11 Aldrin	Compound Not Detected.					
	13 Toxaphene	Compound Not Detected.					
	12 Chlorpyrifos	Compound Not Detected.					
	14 Dicofol	Compound Not Detected.					
	15 Isodrin	Compound Not Detected.					
	16 Heptachlor epoxide	Compound Not Detected.					
	17 gamma-Chlordane	Compound Not Detected.					
	18 2,4'-DDE	Compound Not Detected.					
	19 alpha-Chlordane	Compound Not Detected.					
	20 Endosulfan I	Compound Not Detected.					
	21 4,4'-DDE	Compound Not Detected.					
	22 Dieldrin	Compound Not Detected.					

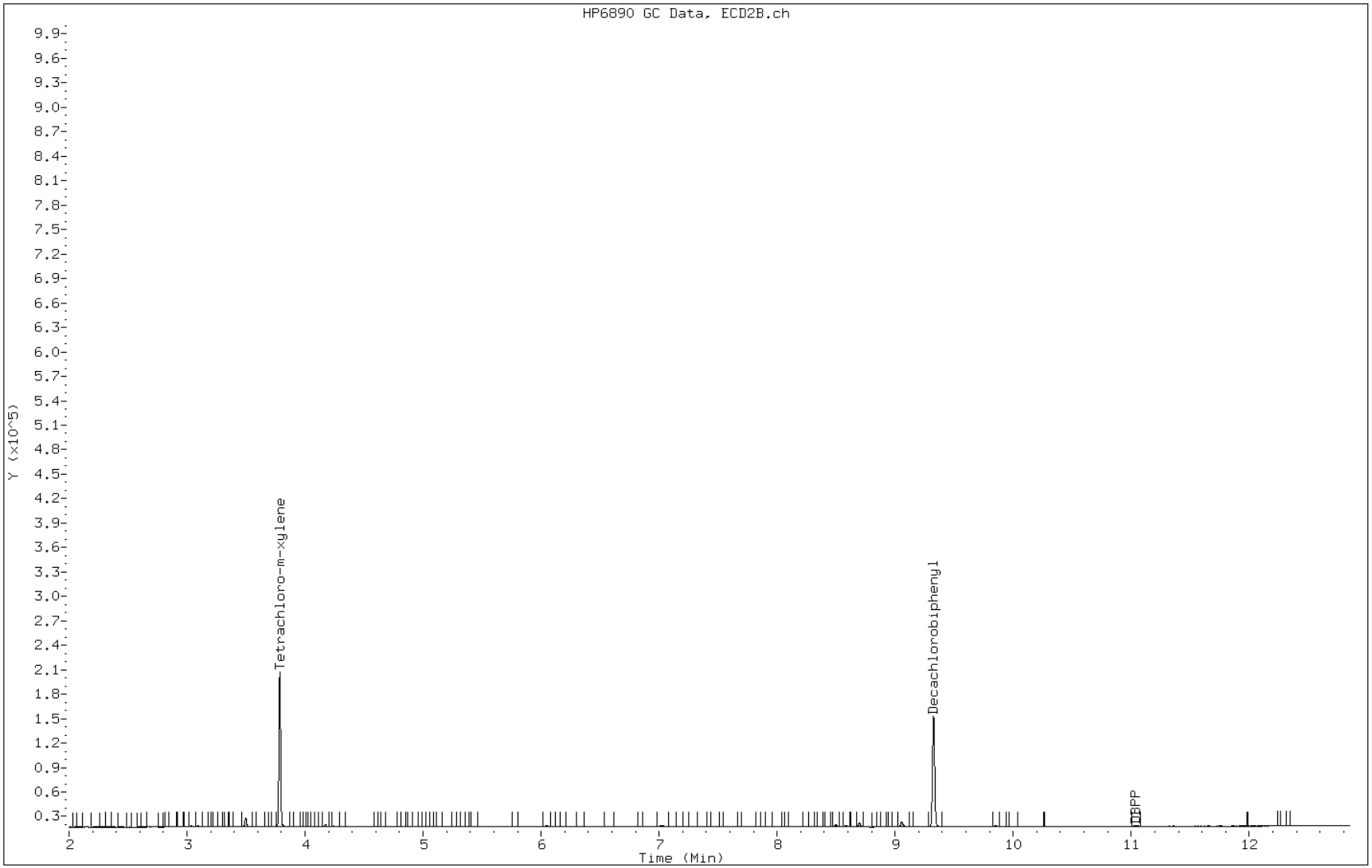
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/L)
	23 2,4'-DDD	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	24 Chlorobenzilate	Compound Not Detected.					
	26 2,4'-DDT	Compound Not Detected.					
	27 Kepone	Compound Not Detected.					
	28 4,4'-DDD	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Endosulfan sulfate	Compound Not Detected.					
	33 Methoxychlor	Compound Not Detected.					
	34 Mirex	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.325	9.328	-0.003	175429	20.3096	0.20310
	37 DBPP	11.039	11.043	-0.004	644	374.609	3.7461
M	135 Chlordane NOS	Compound Not Detected.					
M	137 Endosulfan, Total	Compound Not Detected.					
M	136 HCH, technical	Compound Not Detected.					

Data File: 04050054.D

Date: 05-APR-2012 23:32

Client ID: Instrument: GC_P1.i

Sample Info: 280-1342457,65-B Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-113973/1-A

Matrix: Solid | Lab File ID: 04110038.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.9(g) | Date Analyzed: 04/11/2012 18:48

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.63	U	1.6	0.63	0.50
72-55-9	4,4'-DDE	0.42	U	1.6	0.42	0.22
50-29-3	4,4'-DDT	0.63	U	1.8	0.63	0.54
309-00-2	Aldrin	0.42	U	1.6	0.42	0.23
319-84-6	alpha-BHC	0.42	U	1.6	0.42	0.20
319-85-7	beta-BHC	0.63	U	1.6	0.63	0.61
319-86-8	delta-BHC	0.63	U	1.6	0.63	0.37
58-89-9	gamma-BHC (Lindane)	0.63	U	1.6	0.63	0.42
76-44-8	Heptachlor	0.42	U	1.6	0.42	0.20
1024-57-3	Heptachlor epoxide	0.63	U	1.6	0.63	0.39
959-98-8	Endosulfan I	0.42	U	1.6	0.42	0.16
33213-65-9	Endosulfan II	0.42	U	1.6	0.42	0.26
1031-07-8	Endosulfan sulfate	0.42	U	1.6	0.42	0.25
72-20-8	Endrin	0.42	U	1.6	0.42	0.28
7421-93-4	Endrin aldehyde	0.42	U	1.6	0.42	0.16
53494-70-5	Endrin ketone	0.63	U	1.6	0.63	0.45
5103-74-2	gamma-Chlordane	0.63	U	1.6	0.63	0.24
72-43-5	Methoxychlor	0.63	U	3.0	0.63	0.41
5103-71-9	alpha-Chlordane	0.42	U	1.6	0.42	0.29
60-57-1	Dieldrin	0.42	U	1.6	0.42	0.19
8001-35-2	Toxaphene	25	U	160	25	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		70-125
2051-24-3	DCB Decachlorobiphenyl	107		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110038.D
Lab Smp Id: MB 280-113973/1-A
Inj Date : 11-APR-2012 18:48
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342560,73-B
Misc Info : MB 280-113973_1-A
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 32 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.900	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
Compounds		RT	EXP RT	DLT RT	RESPONSE		
$	2 Tetrachloro-m-xylene	3.917	3.917	0.000	193327	19.1361	5.8164
	3 Hexachlorobenzene	Compound Not Detected.					
	4 Diallate	Compound Not Detected.					
	5 alpha-BHC	Compound Not Detected.					
	6 gamma-BHC (Lindane)	Compound Not Detected.					
	7 beta-BHC	Compound Not Detected.					
	8 delta-BHC	Compound Not Detected.					
	9 Technical Chlordane	Compound Not Detected.					
	10 Heptachlor	Compound Not Detected.					
	11 Aldrin	Compound Not Detected.					
	12 Chlorpyrifos	Compound Not Detected.					
	13 Isodrin	Compound Not Detected.					
	14 Dicofol	Compound Not Detected.					
	15 Heptachlor epoxide	Compound Not Detected.					
	16 2,4'-DDE	Compound Not Detected.					
	17 Toxaphene	Compound Not Detected.					
	18 gamma-Chlordane	Compound Not Detected.					
	19 alpha-Chlordane	Compound Not Detected.					
	20 4,4'-DDE	Compound Not Detected.					
	21 Endosulfan I	Compound Not Detected.					
	22 2,4'-DDD	Compound Not Detected.					

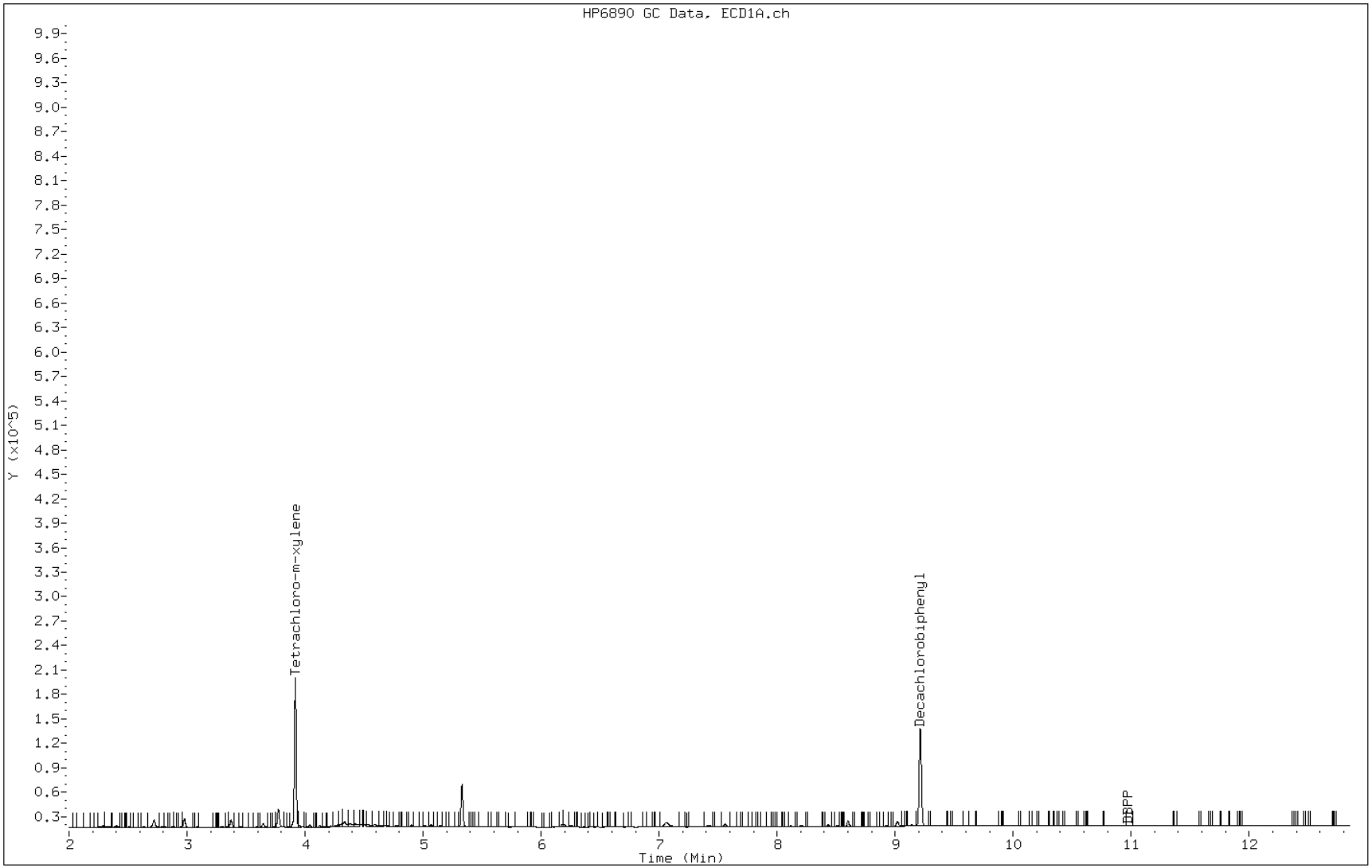
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
	23 Dieldrin	Compound Not Detected.					
	24 2,4'-DDT	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	26 Kepone	Compound Not Detected.					
	27 4,4'-DDD	Compound Not Detected.					
	28 Chlorobenzilate	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Methoxychlor	Compound Not Detected.					
	33 Mirex	Compound Not Detected.					
	34 Endosulfan sulfate	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.213	9.213	0.000	158303	21.4683	6.5253
	37 DBPP	10.976	10.970	0.006	724	395.734	120.28
M	137 Chlordane NOS	Compound Not Detected.					
M	139 Endosulfan, Total	Compound Not Detected.					
M	138 HCH, technical	Compound Not Detected.					

Data File: 04110038.D

Date: 11-APR-2012 18:48

Client ID: Instrument: GC_P1.i

Sample Info: 280-1342560,73-B Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-113973/1-A

Matrix: Solid | Lab File ID: 04110038.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.9(g) | Date Analyzed: 04/11/2012 18:48

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

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

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		70-125
2051-24-3	DCB Decachlorobiphenyl	103		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110038.D
Lab Smp Id: MB 280-113973/1-A
Inj Date : 11-APR-2012 18:48
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342560,73-B
Misc Info : MB 280-113973_1-A
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 32 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-ALLCOMP.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.900	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.787	3.787	0.000	206178	18.7957	5.7130
3 Diallate	Compound Not Detected.					
4 Hexachlorobenzene	Compound Not Detected.					
5 alpha-BHC	4.418	4.413	0.005	10732	0.68763	0.20901(aR)
6 gamma-BHC (Lindane)	Compound Not Detected.					
7 beta-BHC	Compound Not Detected.					
8 Technical Chlordane	Compound Not Detected.					
9 delta-BHC	Compound Not Detected.					
10 Heptachlor	Compound Not Detected.					
11 Aldrin	Compound Not Detected.					
13 Toxaphene	Compound Not Detected.					
12 Chlorpyrifos	Compound Not Detected.					
14 Dicofol	Compound Not Detected.					
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	Compound Not Detected.					
17 gamma-Chlordane	Compound Not Detected.					
18 2,4'-DDE	Compound Not Detected.					
19 alpha-Chlordane	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
21 4,4'-DDE	Compound Not Detected.					
22 Dieldrin	Compound Not Detected.					

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
	23 2,4'-DDD	Compound Not Detected.					
	25 Endrin	Compound Not Detected.					
	24 Chlorobenzilate	Compound Not Detected.					
	26 2,4'-DDT	Compound Not Detected.					
	27 Kepone	Compound Not Detected.					
	28 4,4'-DDD	Compound Not Detected.					
	29 Endosulfan II	Compound Not Detected.					
	30 4,4'-DDT	Compound Not Detected.					
	31 Endrin aldehyde	Compound Not Detected.					
	32 Endosulfan sulfate	Compound Not Detected.					
	33 Methoxychlor	Compound Not Detected.					
	34 Mirex	Compound Not Detected.					
	35 Endrin ketone	Compound Not Detected.					
$	36 Decachlorobiphenyl	9.327	9.328	-0.001	177350	20.5434	6.2442
	37 DBPP	11.047	11.039	0.008	795	374.665	113.88
M	135 Chlordane NOS	Compound Not Detected.					
M	137 Endosulfan, Total	Compound Not Detected.					
M	136 HCH, technical				10732	0.68763	0.20901(a)

QC Flag Legend

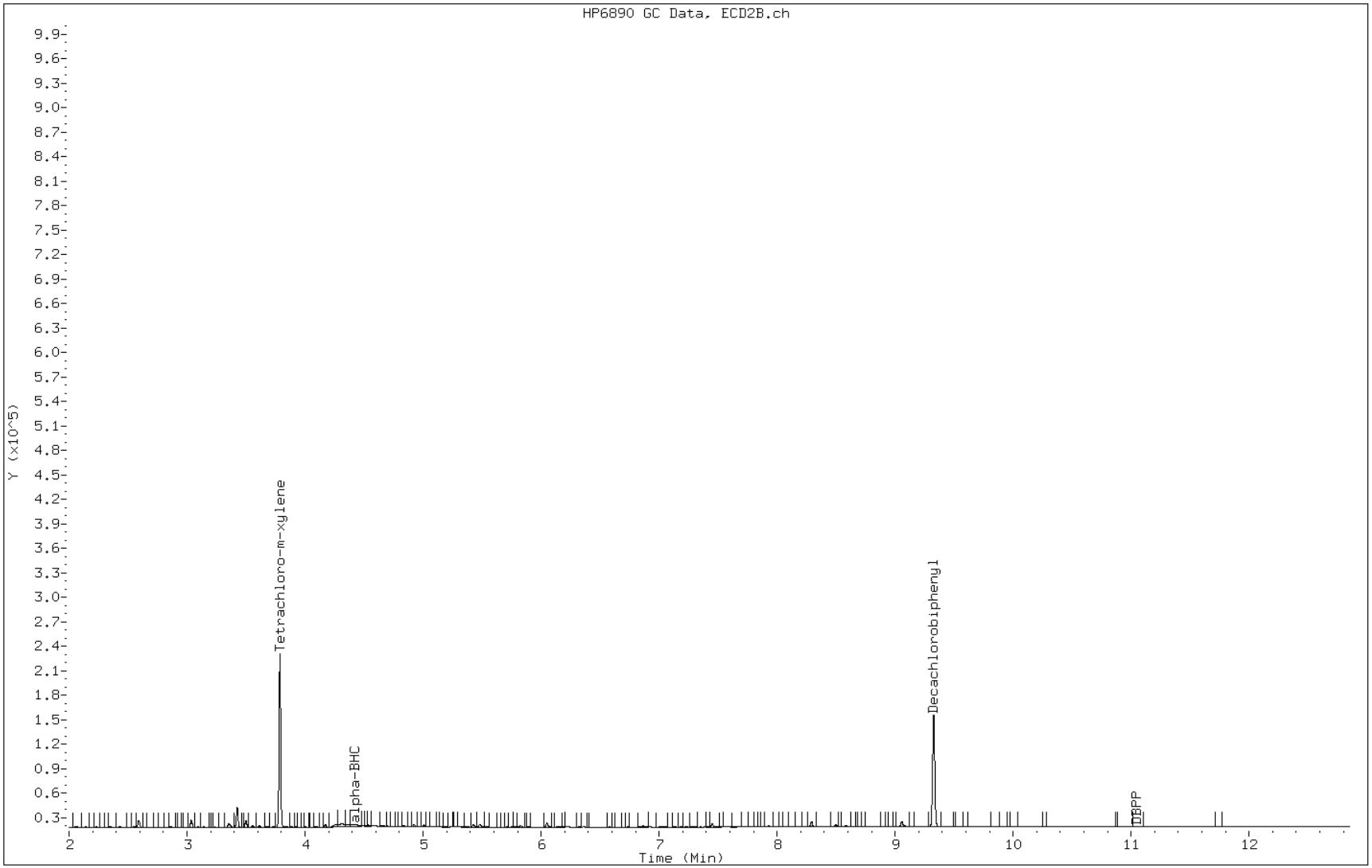
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110038.D

Date: 11-APR-2012 18:48

Client ID: Instrument: GC_P1.i

Sample Info: 280-1342560,73-B Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-113965/2-A

Matrix: Water | Lab File ID: 04050052.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/02/2012 17:50

Sample wt/vol: 1000(mL) | Date Analyzed: 04/05/2012 22:59

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 114395 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.459		0.050	0.010	0.0077
72-55-9	4,4'-DDE	0.502		0.050	0.010	0.0075
50-29-3	4,4'-DDT	0.527		0.050	0.010	0.015
309-00-2	Aldrin	0.428		0.050	0.010	0.0059
319-84-6	alpha-BHC	0.473		0.050	0.010	0.0053
319-85-7	beta-BHC	0.480		0.050	0.010	0.0087
319-86-8	delta-BHC	0.489		0.050	0.010	0.0058
58-89-9	gamma-BHC (Lindane)	0.476		0.050	0.010	0.0069
76-44-8	Heptachlor	0.454		0.050	0.010	0.0077
1024-57-3	Heptachlor epoxide	0.487		0.050	0.010	0.0075
959-98-8	Endosulfan I	0.485		0.050	0.010	0.0058
33213-65-9	Endosulfan II	0.491		0.050	0.010	0.0070
1031-07-8	Endosulfan sulfate	0.496		0.050	0.010	0.0057
72-20-8	Endrin	0.598		0.050	0.010	0.0079
7421-93-4	Endrin aldehyde	0.452		0.050	0.010	0.0088
53494-70-5	Endrin ketone	0.493		0.050	0.010	0.0070
5103-74-2	gamma-Chlordane	0.482		0.050	0.010	0.0091
72-43-5	Methoxychlor	0.537		0.10	0.010	0.013
5103-71-9	alpha-Chlordane	0.497		0.050	0.010	0.0053
60-57-1	Dieldrin	0.503		0.050	0.010	0.0063

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86		25-140
2051-24-3	DCB Decachlorobiphenyl	106		30-135

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\04050052.D
Lab Smp Id: LCS 280-113965/2-A
Inj Date : 05-APR-2012 22:59
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342458,LCS
Misc Info : LCS 280-113965_2-A
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\P1_8081_1.m
Meth Date : 06-Apr-2012 09:07 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 46 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Vs) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Vs	1000.000	Volume of Sample Extract (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/L)
$ 2 Tetrachloro-m-xylene	3.916	3.916	0.000	173768	17.1456	0.17146
3 Hexachlorobenzene	Compound Not Detected.					
5 alpha-BHC	4.503	4.504	-0.001	687323	47.2755	0.47275
6 gamma-BHC (Lindane)	4.797	4.797	0.000	622735	47.5502	0.47550
7 beta-BHC	4.876	4.877	-0.001	262173	48.0448	0.48045
8 delta-BHC	5.026	5.027	-0.001	641741	48.9059	0.48906
10 Heptachlor	5.206	5.207	-0.001	544987	45.3851	0.45385
11 Aldrin	5.477	5.478	-0.001	518767	42.8230	0.42823
13 Isodrin	Compound Not Detected.					
15 Heptachlor epoxide	6.090	6.091	-0.001	531092	48.7384	0.48738
18 gamma-Chlordane	6.221	6.223	-0.002	547467	48.2410	0.48241
19 alpha-Chlordane	6.361	6.363	-0.002	541028	49.6674	0.49667
20 4,4'-DDE	6.440	6.442	-0.002	542349	50.1890	0.50189
21 Endosulfan I	6.505	6.506	-0.001	499475	48.5424	0.48542
23 Dieldrin	6.751	6.752	-0.001	557793	50.3354	0.50335
25 Endrin	6.985	6.986	-0.001	512872	59.7503	0.59750(R)
27 4,4'-DDD	7.046	7.047	-0.001	489231	45.8584	0.45858
29 Endosulfan II	7.206	7.207	-0.001	474185	49.1178	0.49118
30 4,4'-DDT	7.320	7.321	-0.001	460594	52.7071	0.52707
31 Endrin aldehyde	7.612	7.613	-0.001	371298	45.1790	0.45179
32 Methoxychlor	7.777	7.779	-0.002	228168	53.6740	0.53674
33 Mirex	Compound Not Detected.					

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/L)
34 Endosulfan sulfate	8.022	8.024	-0.002	435588	49.6359	0.49636
35 Endrin ketone	8.282	8.284	-0.002	503358	49.2719	0.49272
$ 36 Decachlorobiphenyl	9.211	9.213	-0.002	155867	21.1206	0.21120

QC Flag Legend

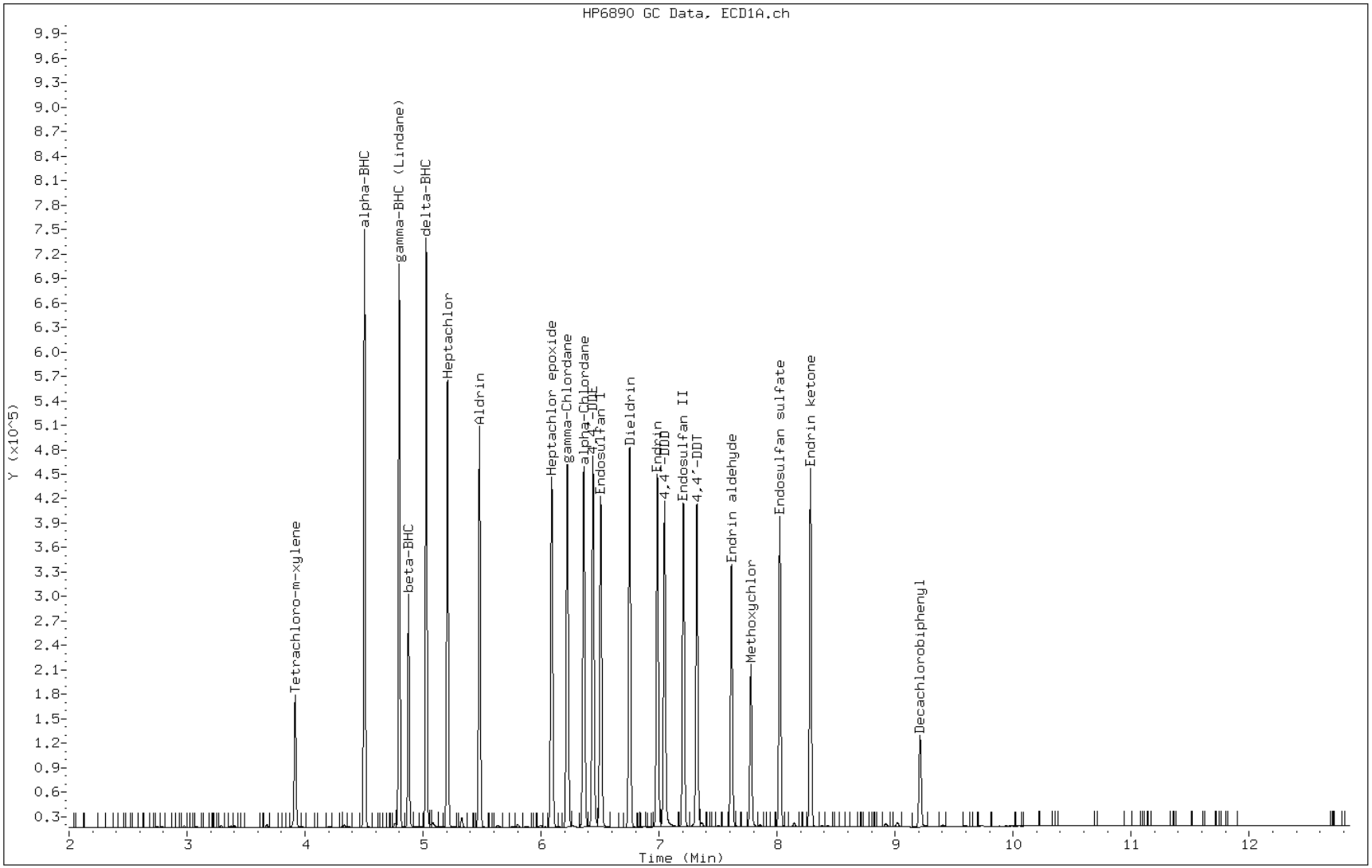
R - Spike/Surrogate failed recovery limits.

Data File: 04050052.D

Date: 05-APR-2012 22:59

Client ID: Instrument: GC_P1.i

Sample Info: 280-1342458,LCS Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-113965/2-A

Matrix: Water | Lab File ID: 04050052.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/02/2012 17:50

Sample wt/vol: 1000(mL) | Date Analyzed: 04/05/2012 22:59

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

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

Analysis Batch No.: 114395 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	83		25-140
2051-24-3	DCB Decachlorobiphenyl	99		30-135

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\04050052.D
Lab Smp Id: LCS 280-113965/2-A
Inj Date : 05-APR-2012 22:59
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342458,LCS
Misc Info : LCS 280-113965_2-A
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405122.b\P1_8081_2.m
Meth Date : 06-Apr-2012 09:23 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 46 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Vs) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Vs	1000.000	Volume of Sample Extract (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/L)
Compounds	RT	EXP RT	DLT RT	RESPONSE			
$ 2 Tetrachloro-m-xylene	3.786	3.785	0.001	183643		16.6989	0.16699
4 Hexachlorobenzene	Compound Not Detected.						
5 alpha-BHC	4.412	4.413	-0.001	737554		47.2572	0.47257
6 gamma-BHC (Lindane)	4.728	4.728	0.000	667666		47.9005	0.47900
7 beta-BHC	4.804	4.804	0.000	282474		48.6963	0.48696
9 delta-BHC	5.039	5.040	-0.001	691748		49.1818	0.49182
10 Heptachlor	5.084	5.084	0.000	553785		45.5769	0.45577
11 Aldrin	5.352	5.353	-0.001	566622		42.5262	0.42526
15 Isodrin	5.712	5.713	-0.001	4048		0.05794	0.00057945(a)
16 Heptachlor epoxide	5.891	5.891	0.000	576605		48.9336	0.48934
17 gamma-Chlordane	6.089	6.089	0.000	608323		47.5222	0.47522
19 alpha-Chlordane	6.243	6.243	0.000	592381		47.5708	0.47571
20 Endosulfan I	6.300	6.299	0.001	549069		48.6229	0.48623
21 4,4'-DDE	6.422	6.423	-0.001	603545		49.0765	0.49076
22 Dieldrin	6.580	6.580	0.000	618832		49.5792	0.49579
25 Endrin	6.884	6.884	0.000	557049		59.9845	0.59984(R)
28 4,4'-DDD	7.002	7.003	-0.001	526361		50.2905	0.50290
29 Endosulfan II	7.093	7.093	0.000	533965		49.0285	0.49028
30 4,4'-DDT	7.307	7.308	-0.001	476487		54.2066	0.54206
31 Endrin aldehyde	7.420	7.421	-0.001	425419		46.0057	0.46006
32 Endosulfan sulfate	7.682	7.683	-0.001	503261		49.8586	0.49859

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/L)
33	Methoxychlor	7.955	7.956	-0.001	234006	55.5243	0.55524
34	Mirex	Compound Not Detected.					
35	Endrin ketone	8.172	8.173	-0.001	551971	49.5438	0.49544
$ 36	Decachlorobiphenyl	9.326	9.328	-0.002	171210	19.7959	0.19796

QC Flag Legend

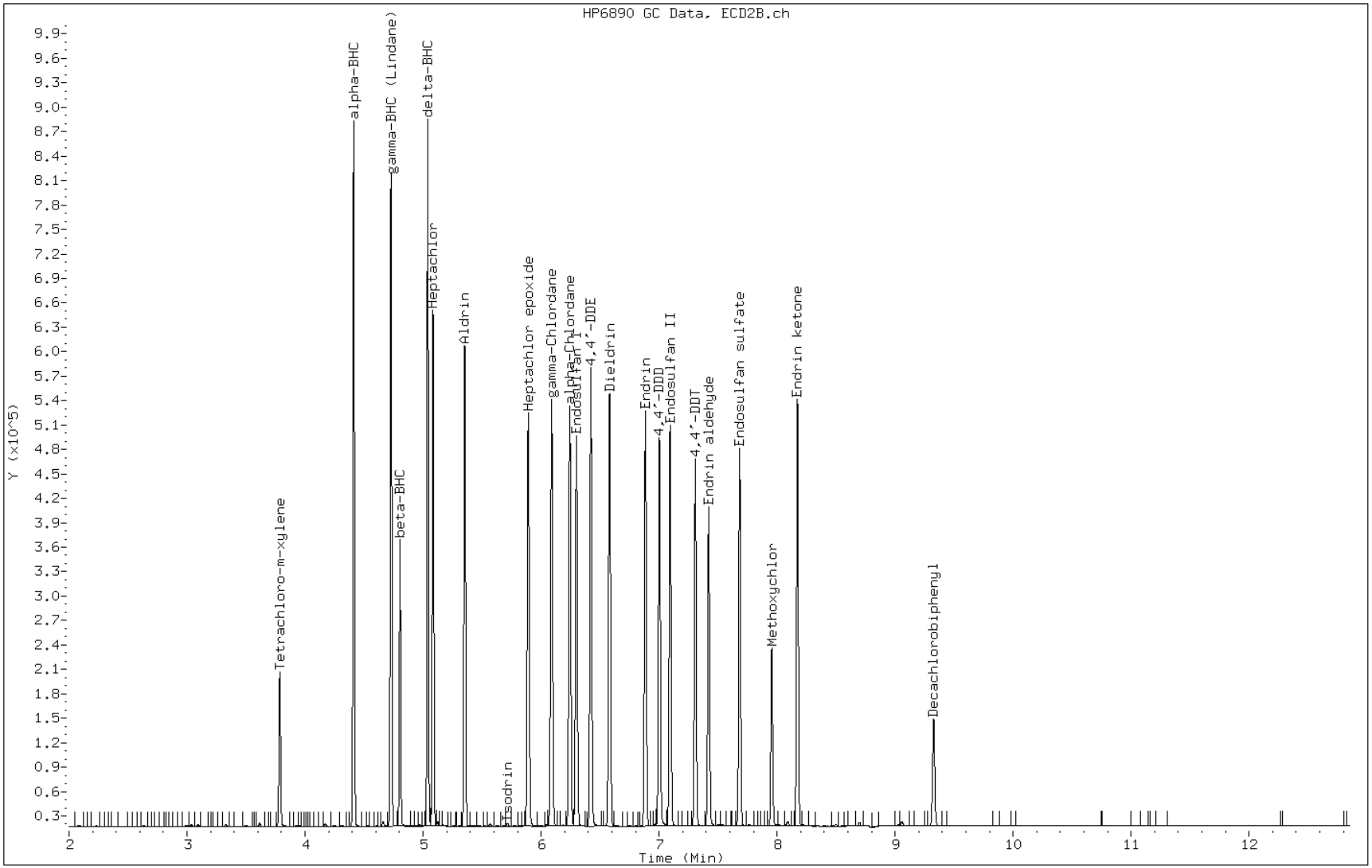
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04050052.D

Date: 05-APR-2012 22:59

Client ID: Instrument: GC_P1.i

Sample Info: 280-1342458,LCS Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-113965/5-A

Matrix: Water | Lab File ID: 04050051.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/02/2012 17:50

Sample wt/vol: 1000(mL) | Date Analyzed: 04/05/2012 22:42

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 114395 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	1.41	J M	5.0	0.80	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87		25-140
2051-24-3	DCB Decachlorobiphenyl	107		30-135

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\04050051.D
Lab Smp Id: LCS 280-113965/5-A
Inj Date : 05-APR-2012 22:42
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342461,TLCS
Misc Info : LCS 280-113965_5-A
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0405121.b\P1_8081_1.m
Meth Date : 06-Apr-2012 09:07 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 45 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOX_SAMPLE.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Vs) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Vs	1000.000	Volume of Sample Extract (mL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/L)
$ 2 Tetrachloro-m-xylene	3.915	3.916	-0.001	176439	17.4174	0.17417
17 Toxaphene	5.657	5.655	0.002	2922	140.833	1.4083(aqM)
$ 36 Decachlorobiphenyl	9.211	9.213	-0.002	158487	21.4946	0.21494

QC Flag Legend

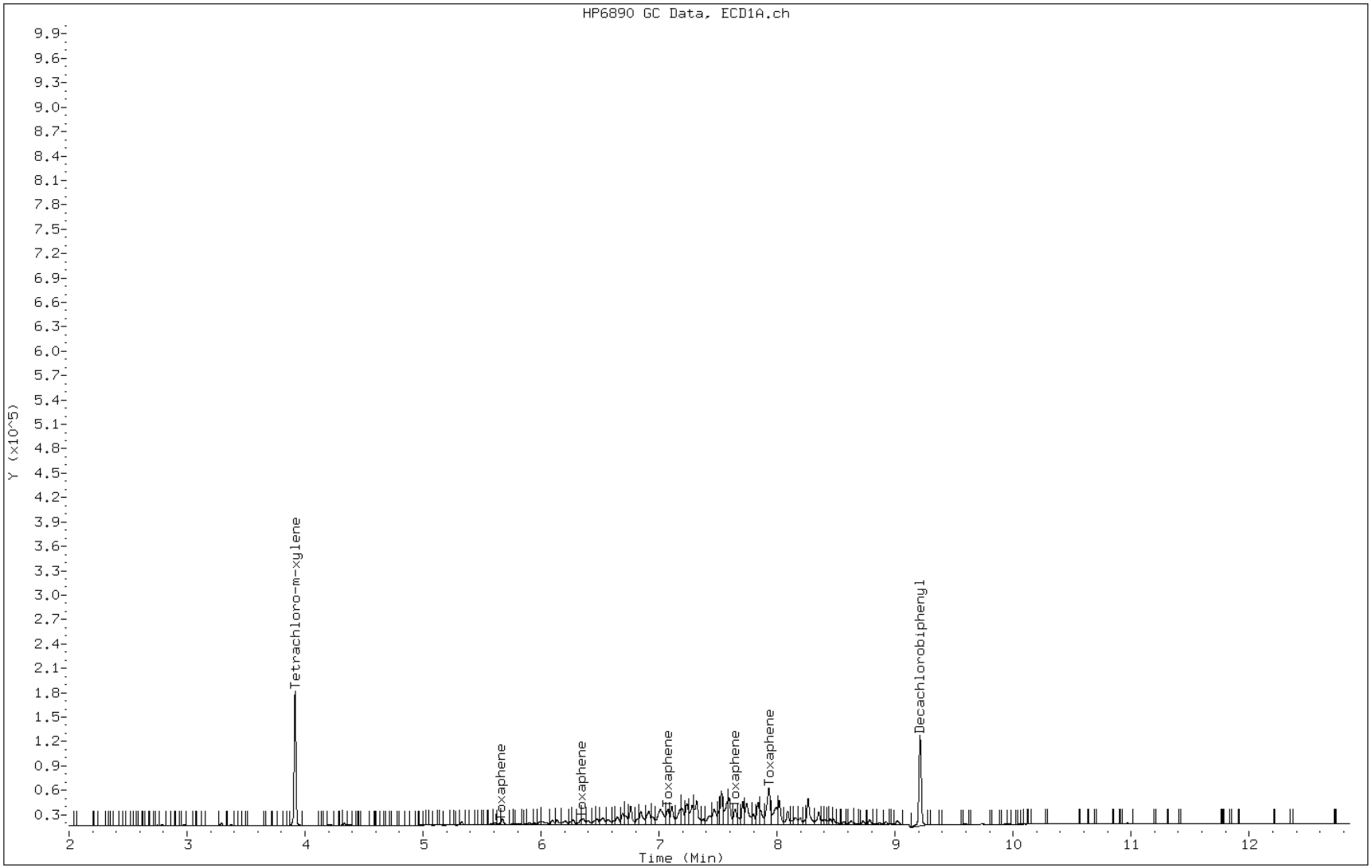
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File: 04050051.D

Date: 05-APR-2012 22:42

Client ID: Instrument: GC_P1.i

Sample Info: 280-1342461,TLCS Operator: DW

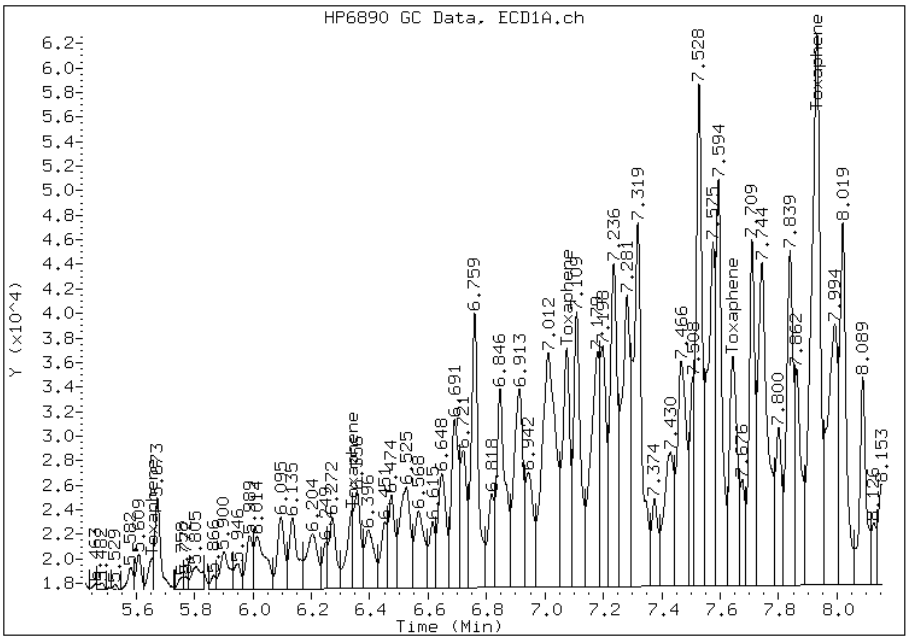


Manual Integration Report

Data File: 04050051.D
Inj. Date and Time: 05-APR-2012 22:42
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/06/2012

Processing Integration Results

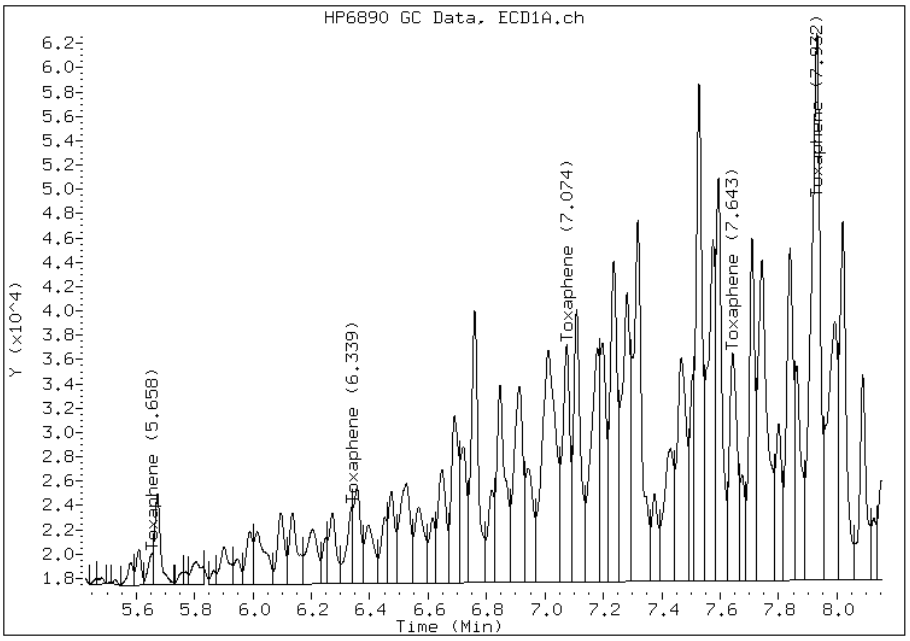
Not Detected



Manual Integration Results

RT	Response	Conc
5.66	2922	0.49

Final Conc		1.41



Manually Integrated By: wellsd
Manual Integration Reason:

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-113973/2-A

Matrix: Solid | Lab File ID: 04110040.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.7(g) | Date Analyzed: 04/11/2012 19:21

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	14.8		1.7	0.67	0.53
72-55-9	4,4'-DDE	17.2		1.7	0.45	0.23
50-29-3	4,4'-DDT	17.8		2.0	0.67	0.58
309-00-2	Aldrin	16.1		1.7	0.45	0.25
319-84-6	alpha-BHC	15.4		1.7	0.45	0.21
319-85-7	beta-BHC	15.6		1.7	0.67	0.65
319-86-8	delta-BHC	16.0		1.7	0.67	0.39
58-89-9	gamma-BHC (Lindane)	15.5		1.7	0.67	0.45
76-44-8	Heptachlor	16.4		1.7	0.45	0.21
1024-57-3	Heptachlor epoxide	16.3		1.7	0.67	0.42
959-98-8	Endosulfan I	16.4		1.7	0.45	0.17
33213-65-9	Endosulfan II	16.5		1.7	0.45	0.28
1031-07-8	Endosulfan sulfate	16.6		1.7	0.45	0.27
72-20-8	Endrin	20.7		1.7	0.45	0.30
7421-93-4	Endrin aldehyde	13.8		1.7	0.45	0.17
53494-70-5	Endrin ketone	16.5		1.7	0.67	0.48
5103-74-2	gamma-Chlordane	16.9		1.7	0.67	0.26
72-43-5	Methoxychlor	17.8		3.2	0.67	0.44
5103-71-9	alpha-Chlordane	16.6		1.7	0.45	0.32
60-57-1	Dieldrin	17.1		1.7	0.45	0.21

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		70-125
2051-24-3	DCB Decachlorobiphenyl	105		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110040.D
Lab Smp Id: LCS 280-113973/2-A
Inj Date : 11-APR-2012 19:21
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342561,LCS
Misc Info : LCS 280-113973_2-A
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 34 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.700	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.917	3.917	0.000	189223	18.7184	6.0972
3 Hexachlorobenzene	4.332	4.332	0.000	7620	0.06852	0.022318(a)
5 alpha-BHC	4.505	4.505	0.000	688034	47.3244	15.415
6 gamma-BHC (Lindane)	4.798	4.799	-0.001	622358	47.5214	15.479
7 beta-BHC	4.877	4.878	-0.001	261589	47.9360	15.614
8 delta-BHC	5.027	5.028	-0.001	643121	49.0111	15.964
10 Heptachlor	5.207	5.208	-0.001	604377	50.3664	16.406
11 Aldrin	5.479	5.480	-0.001	598255	49.3845	16.086
13 Isodrin	5.804	5.806	-0.002	4203	0.00387	0.0012592(a)
15 Heptachlor epoxide	6.091	6.093	-0.002	545186	50.0461	16.302
18 gamma-Chlordane	6.224	6.225	-0.001	588535	51.8819	16.900
19 alpha-Chlordane	6.364	6.365	-0.001	555226	50.9793	16.606
20 4,4'-DDE	6.440	6.442	-0.002	570069	52.7568	17.185
21 Endosulfan I	6.506	6.507	-0.001	516398	50.2072	16.354
23 Dieldrin	6.751	6.752	-0.001	582898	52.6137	17.138
25 Endrin	6.985	6.987	-0.002	544132	63.4126	20.656(R)
27 4,4'-DDD	7.046	7.048	-0.002	484208	45.4269	14.797
29 Endosulfan II	7.207	7.208	-0.001	489137	50.6845	16.510
30 4,4'-DDT	7.320	7.322	-0.002	478351	54.7456	17.832
31 Endrin aldehyde	7.614	7.615	-0.001	347631	42.2514	13.763
32 Methoxychlor	7.778	7.780	-0.002	232757	54.7717	17.841
33 Mirex	Compound Not Detected.					

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
34 Endosulfan sulfate	8.024	8.025	-0.001	446486	50.8983	16.579
35 Endrin ketone	8.284	8.285	-0.001	516559	50.5809	16.476
$ 36 Decachlorobiphenyl	9.213	9.213	0.000	154757	20.9621	6.8280

QC Flag Legend

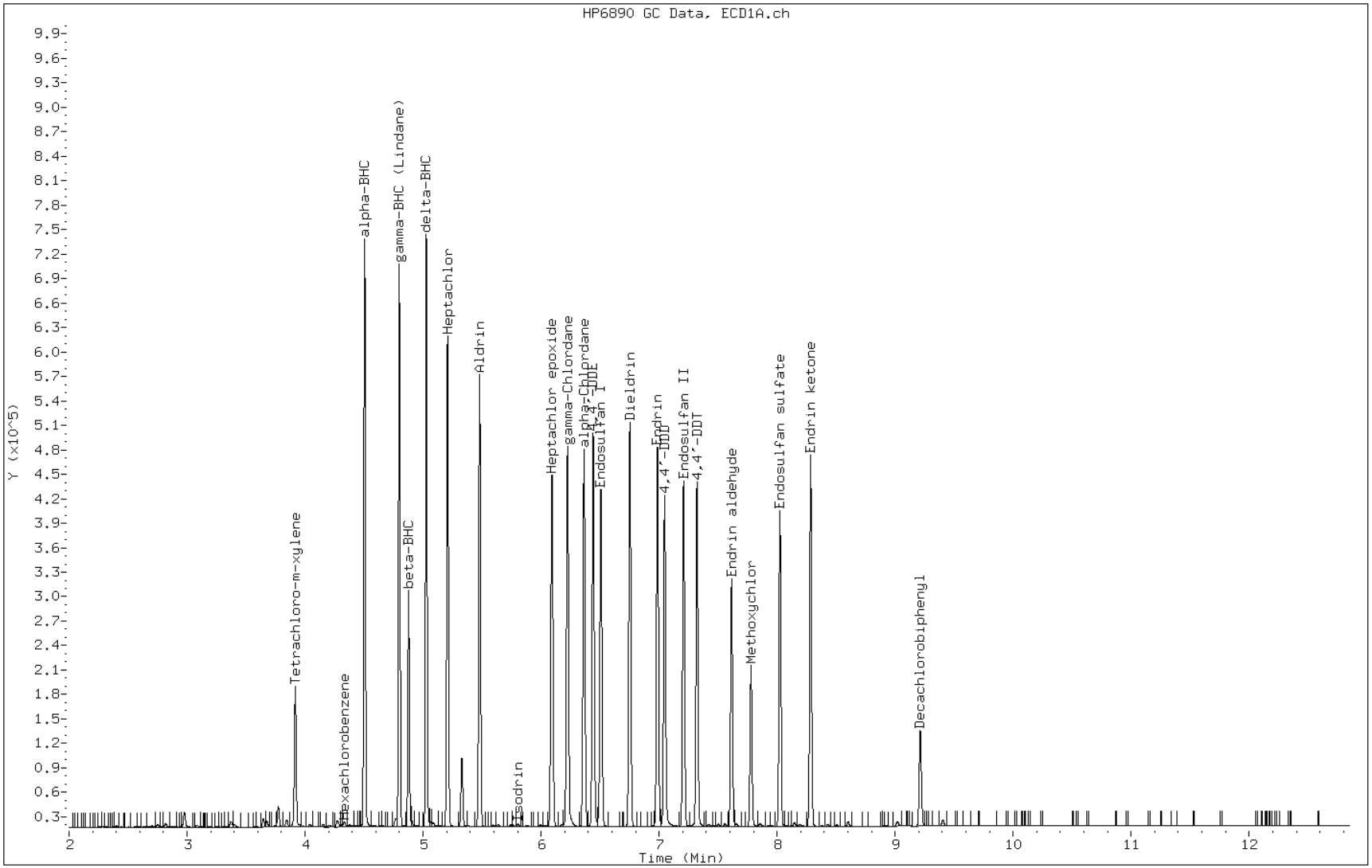
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110040.D

Date: 11-APR-2012 19:21

Client ID: Instrument: GC_P1.i

Sample Info: 280-1342561,LCS Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-113973/2-A

Matrix: Solid Lab File ID: 04110040.D

Analysis Method: 8081A Date Collected:

Extraction Method: 3546 Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.7(g) Date Analyzed: 04/11/2012 19:21

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

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

Analysis Batch No.: 115240 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		70-125
2051-24-3	DCB Decachlorobiphenyl	103		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110040.D
Lab Smp Id: LCS 280-113973/2-A
Inj Date : 11-APR-2012 19:21
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342561,LCS
Misc Info : LCS 280-113973_2-A
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 34 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.700	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
	Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng/ml)	FINAL (ug/Kg)
$	2 Tetrachloro-m-xylene	3.786	3.787	-0.001	199589	18.1826	5.9227
	4 Hexachlorobenzene	Compound Not Detected.					
	5 alpha-BHC	4.413	4.413	0.000	730275	46.7908	15.241
	6 gamma-BHC (Lindane)	4.729	4.729	0.000	653412	46.8779	15.270
	7 beta-BHC	4.805	4.805	0.000	274731	47.3428	15.421
	9 delta-BHC	5.040	5.040	0.000	679318	48.2992	15.733
	10 Heptachlor	5.085	5.085	0.000	589132	48.5082	15.801
	11 Aldrin	5.354	5.354	0.000	643128	48.2682	15.722
	15 Isodrin	5.715	5.714	0.001	5626	0.19520	0.063582(a)
	16 Heptachlor epoxide	5.892	5.893	-0.001	583193	49.4959	16.122
	17 gamma-Chlordane	6.091	6.092	-0.001	624648	48.7975	15.895
	19 alpha-Chlordane	6.244	6.245	-0.001	608138	48.8362	15.908
	20 Endosulfan I	6.301	6.302	-0.001	556446	49.2820	16.053
	21 4,4'-DDE	6.423	6.423	0.000	624696	50.7964	16.546
	22 Dieldrin	6.581	6.582	-0.001	635038	50.8776	16.572
	25 Endrin	6.885	6.886	-0.001	578955	62.3638	20.314(R)
	28 4,4'-DDD	7.002	7.003	-0.001	496862	47.7992	15.570
	29 Endosulfan II	7.093	7.094	-0.001	546221	50.1669	16.341
	30 4,4'-DDT	7.307	7.308	-0.001	478224	54.4041	17.721
	31 Endrin aldehyde	7.421	7.421	0.000	399020	43.1139	14.044
	32 Endosulfan sulfate	7.682	7.683	-0.001	510732	50.6049	16.484

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
33 Methoxychlor	7.955	7.956	-0.001	234130	55.5541	18.096
34 Mirex	Compound Not Detected.					
35 Endrin ketone	8.172	8.173	-0.001	561398	50.3999	16.417
$ 36 Decachlorobiphenyl	9.326	9.328	-0.002	177616	20.5758	6.7022

QC Flag Legend

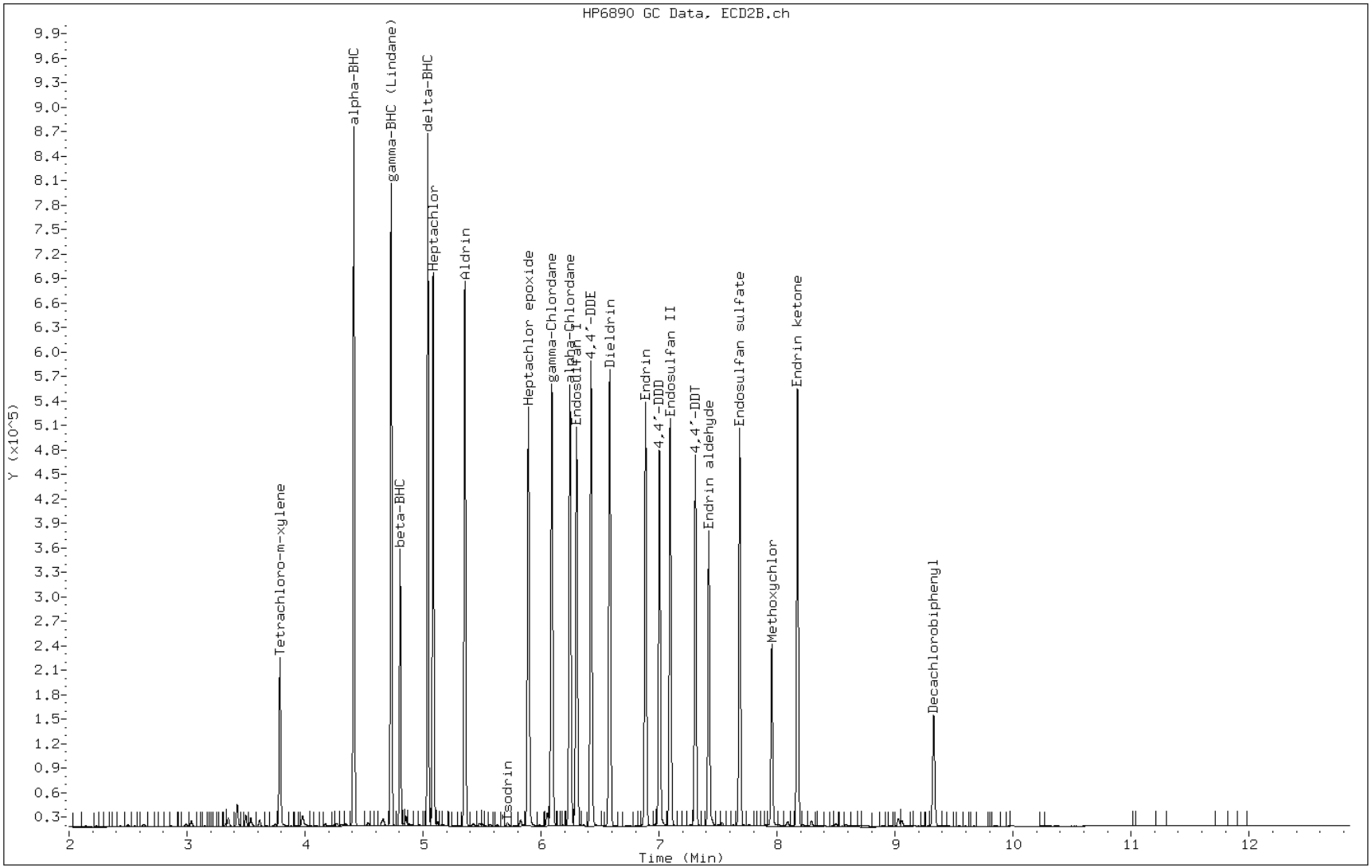
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110040.D

Date: 11-APR-2012 19:21

Client ID: Instrument: GC_P1.i

Sample Info: 280-1342561,LCS Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-113973/26-A

Matrix: Solid | Lab File ID: 04110039.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.0(g) | Date Analyzed: 04/11/2012 19:05

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	47.1	J M	160	25	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		70-125
2051-24-3	DCB Decachlorobiphenyl	103		55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110039.D
Lab Smp Id: LCS 280-113973/26-A
Inj Date : 11-APR-2012 19:05
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342585,TLCS
Misc Info : LCS 280-113973_26-A
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 33 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOX_SAMPLE.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	32.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.916	3.917	-0.001	199640	19.7785	6.1808
17 Toxaphene	5.658	5.655	0.003	3720	150.787	47.121(aqM)
$ 36 Decachlorobiphenyl	9.211	9.213	-0.002	151886	20.5523	6.4226

QC Flag Legend

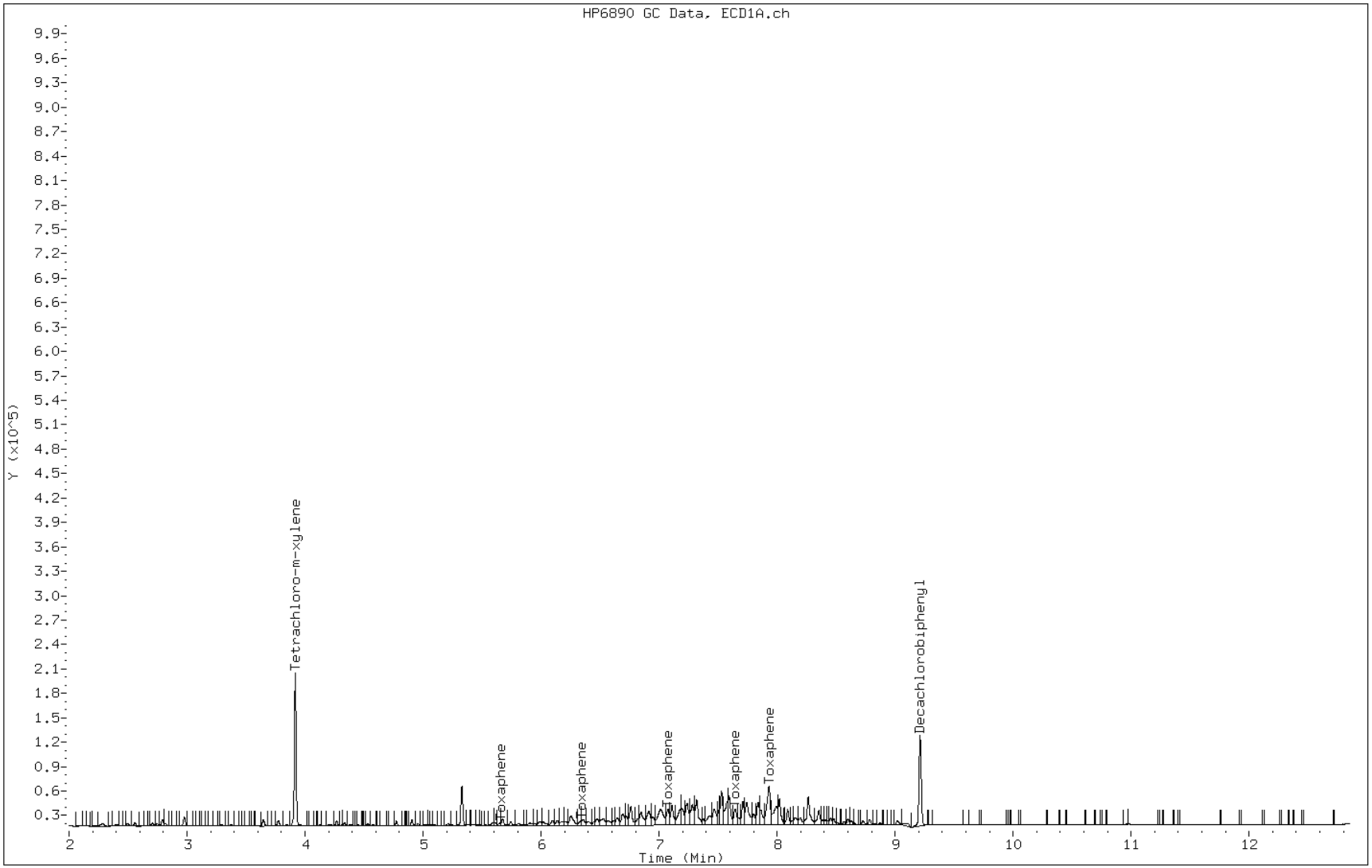
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File: 04110039.D

Date: 11-APR-2012 19:05

Client ID: Instrument: GC_P1.i

Sample Info: 280-1342585,TLCS Operator: DW

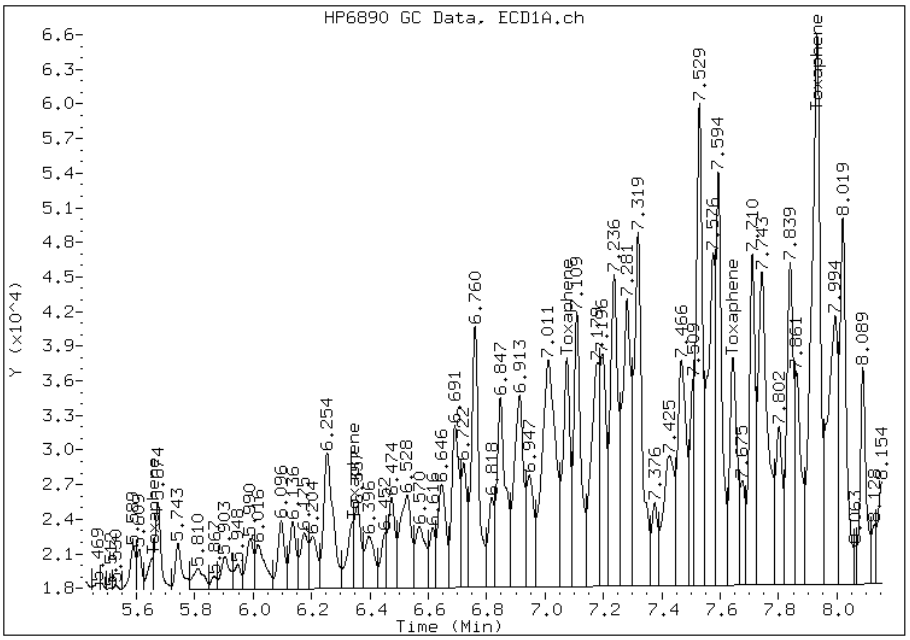


Manual Integration Report

Data File: 04110039.D
Inj. Date and Time: 11-APR-2012 19:05
Instrument ID: GC_P1.i
Client ID:
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/12/2012

Processing Integration Results

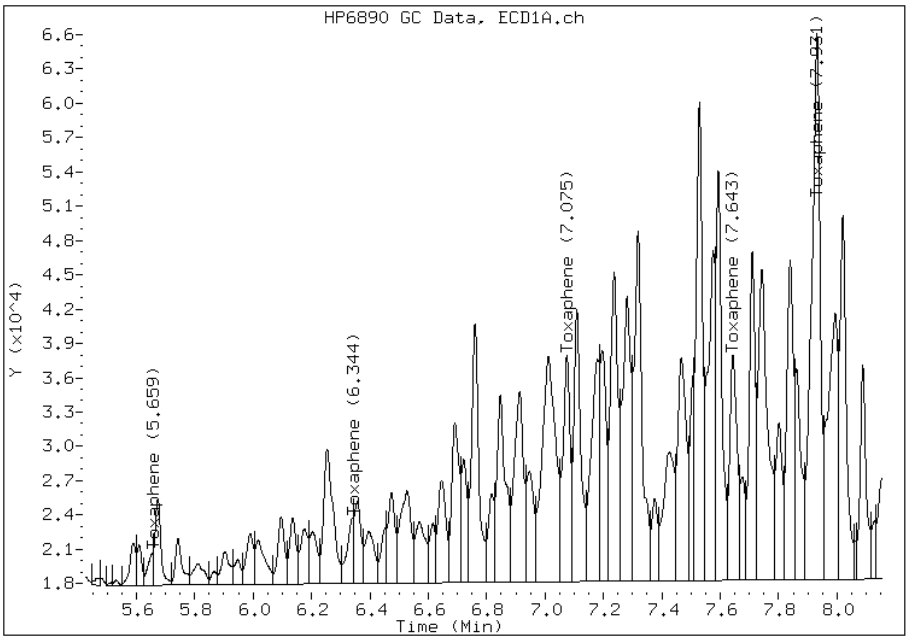
Not Detected



Manual Integration Results

RT	Response	Conc
5.66	3720	24.11

Final Conc		47.12



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA MS | Lab Sample ID: 280-27123-2 MS

Matrix: Solid | Lab File ID: 04110043.D

Analysis Method: 8081A | Date Collected: 03/27/2012 10:20

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.8(g) | Date Analyzed: 04/11/2012 20:11

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 40.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	12.7	Q	2.7	1.1	0.86
72-55-9	4,4'-DDE	15.5	J Q	2.7	0.73	0.38
50-29-3	4,4'-DDT	24.4	Q	3.2	1.1	0.93
309-00-2	Aldrin	15.0	Q	2.7	0.73	0.40
319-84-6	alpha-BHC	15.0	J Q	2.7	0.73	0.34
319-85-7	beta-BHC	12.1	J Q	2.7	1.1	1.1
319-86-8	delta-BHC	14.0	J Q	2.7	1.1	0.63
58-89-9	gamma-BHC (Lindane)	15.4	J Q	2.7	1.1	0.73
76-44-8	Heptachlor	15.5	Q	2.7	0.73	0.34
1024-57-3	Heptachlor epoxide	15.2	J Q	2.7	1.1	0.67
959-98-8	Endosulfan I	15.1	Q	2.7	0.73	0.28
33213-65-9	Endosulfan II	13.7	Q	2.7	0.73	0.45
1031-07-8	Endosulfan sulfate	16.4	Q	2.7	0.73	0.44
72-20-8	Endrin	21.6	Q	2.7	0.73	0.48
7421-93-4	Endrin aldehyde	10.4	Q	2.7	0.73	0.27
53494-70-5	Endrin ketone	21.6	Q	2.7	1.1	0.77
5103-74-2	gamma-Chlordane	13.5	J Q	2.7	1.1	0.42
72-43-5	Methoxychlor	15.9	Q	5.2	1.1	0.71
5103-71-9	alpha-Chlordane	12.5	J Q	2.7	0.73	0.51
60-57-1	Dieldrin	14.8	J Q	2.7	0.73	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	74		70-125
2051-24-3	DCB Decachlorobiphenyl	618	J Q	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110043.D
Lab Smp Id: 280-27123-A-2-G MS Client Smp ID: UNK10201AA
Inj Date : 11-APR-2012 20:11
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342565,MS
Misc Info : 280-27123-A-2-G MS
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 37 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	31.800	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.919	3.917	0.002	151137	14.8425	4.6674
3 Hexachlorobenzene	4.337	4.332	0.005	15841	0.88028	0.27682(a)
5 alpha-BHC	4.505	4.505	0.000	413289	28.4269	8.9393(R)
6 gamma-BHC (Lindane)	4.799	4.799	0.000	381364	29.1198	9.1572(R)
7 beta-BHC	4.880	4.878	0.002	127891	23.0203	7.2391(R)
8 delta-BHC	5.028	5.028	0.000	349403	26.6274	8.3734(R)
10 Heptachlor	5.208	5.208	0.000	355349	29.4796	9.2703
11 Aldrin	5.480	5.480	0.000	344655	28.4504	8.9467
13 Isodrin	5.810	5.806	0.004	9536	0.51323	0.16139(a)
15 Heptachlor epoxide	6.093	6.093	0.000	315870	28.7681	9.0466(R)
18 gamma-Chlordane	6.224	6.225	-0.001	292880	25.6700	8.0723(R)
19 alpha-Chlordane	6.364	6.365	-0.001	259606	23.6645	7.4417(R)
20 4,4'-DDE	6.441	6.442	-0.001	318209	29.4261	9.2535(R)
21 Endosulfan I	6.507	6.507	0.000	297120	28.6356	9.0049(R)
23 Dieldrin	6.752	6.752	0.000	312251	28.0513	8.8212(R)
25 Endrin	6.987	6.987	0.000	352665	40.9812	12.887
27 4,4'-DDD	7.047	7.048	-0.001	251887	24.1662	7.5994(R)
29 Endosulfan II	7.208	7.208	0.000	253703	26.0155	8.1810(R)
30 4,4'-DDT	7.323	7.322	0.001	404006	46.2109	14.532
31 Endrin aldehyde	7.613	7.615	-0.002	165335	19.7010	6.1953(R)
32 Methoxychlor	7.778	7.780	-0.002	129913	30.1723	9.4881(R)
33 Mirex	Compound Not Detected.					

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
34 Endosulfan sulfate	8.025	8.025	0.000	276276	31.1818	9.8056(R)
35 Endrin ketone	8.283	8.285	-0.002	418836	40.8908	12.859
$ 36 Decachlorobiphenyl	9.215	9.213	0.002	873247	123.527	38.845(AR)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: 04110043.D

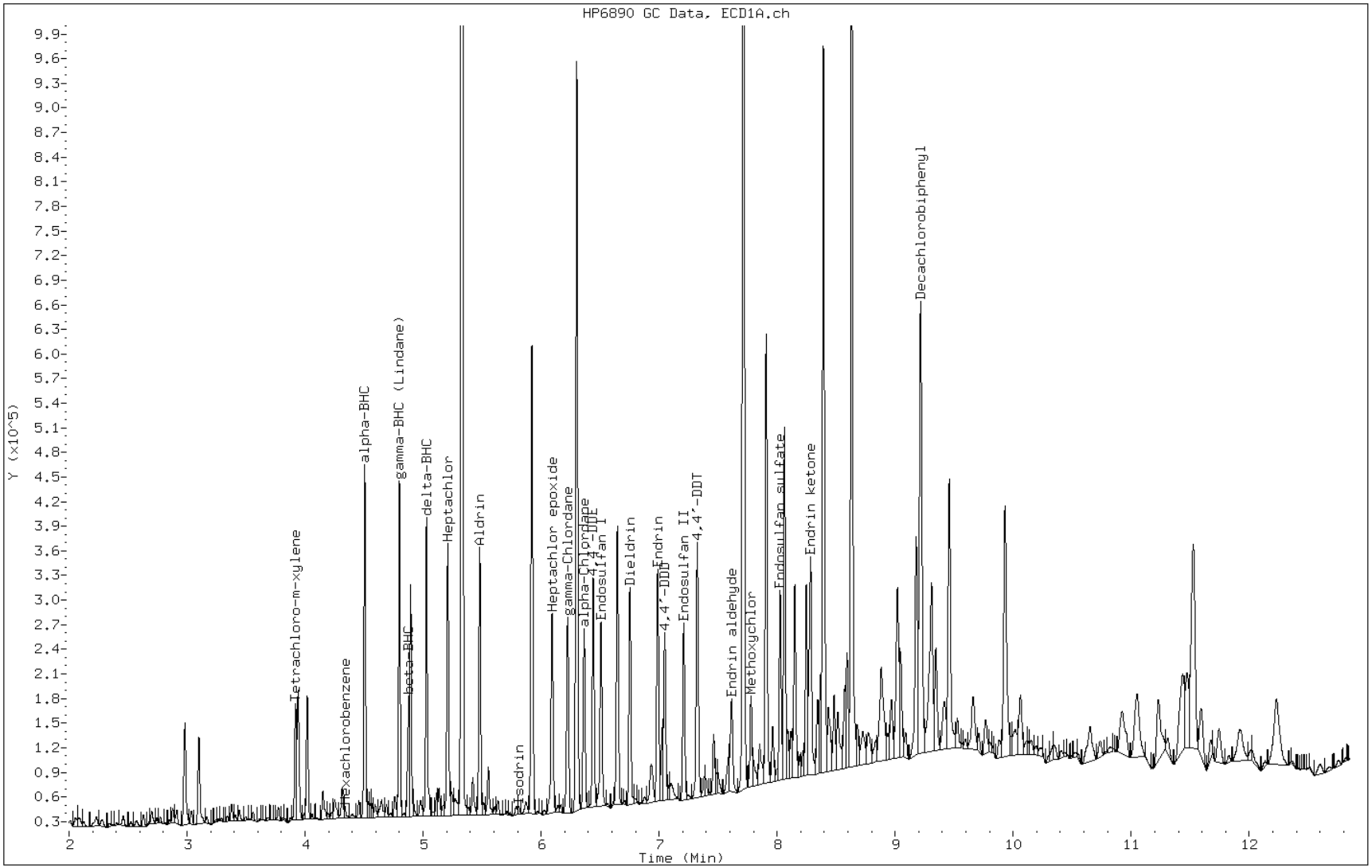
Date: 11-APR-2012 20:11

Client ID: UNK10201AA

Instrument: GC_P1.i

Sample Info: 280-1342565,MS

Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA MS Lab Sample ID: 280-27123-2 MS

Matrix: Solid Lab File ID: 04110043.D

Analysis Method: 8081A Date Collected: 03/27/2012 10:20

Extraction Method: 3546 Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.8(g) Date Analyzed: 04/11/2012 20:11

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 40.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	59	*Q*	70-125
2051-24-3	DCB Decachlorobiphenyl	761	*J Q*	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110043.D
Lab Smp Id: 280-27123-A-2-G MS Client Smp ID: UNK10201AA
Inj Date : 11-APR-2012 20:11
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342565,MS
Misc Info : 280-27123-A-2-G MS
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 37 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	31.800	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.787	3.787	0.000	130139	11.7204	3.6856(R)
4 Hexachlorobenzene	4.263	4.269	-0.006	28538	1.96709	0.61858(a)
5 alpha-BHC	4.413	4.413	0.000	399042	25.5678	8.0402(R)
6 gamma-BHC (Lindane)	4.729	4.729	0.000	380796	27.3199	8.5911(R)
7 beta-BHC	4.805	4.805	0.000	121248	20.5139	6.4509(R)
9 delta-BHC	5.040	5.040	0.000	335532	23.8896	7.5124(R)
10 Heptachlor	5.084	5.085	-0.001	320563	26.2359	8.2503
11 Aldrin	5.354	5.354	0.000	341984	25.6666	8.0713
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	5.892	5.893	-0.001	314590	26.5705	8.3555(R)
17 gamma-Chlordane	6.091	6.092	-0.001	284385	22.2161	6.9862(R)
19 alpha-Chlordane	6.244	6.245	-0.001	314931	25.2904	7.9529(R)
20 Endosulfan I	6.301	6.302	-0.001	277103	24.3265	7.6498(R)
21 4,4'-DDE	6.422	6.423	-0.001	310354	25.2360	7.9359(R)
22 Dieldrin	6.580	6.582	-0.002	297871	23.8647	7.5046(R)
25 Endrin	6.885	6.886	-0.001	272759	29.1064	9.1529(R)
28 4,4'-DDD	7.003	7.003	0.000	324215	32.3448	10.171(R)
29 Endosulfan II	7.095	7.094	0.001	373337	34.1086	10.726(R)
30 4,4'-DDT	7.308	7.308	0.000	367167	41.7773	13.138
31 Endrin aldehyde	7.420	7.421	-0.001	260234	27.9114	8.7772(R)
32 Endosulfan sulfate	7.684	7.683	0.001	359681	35.5165	11.169

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
33 Methoxychlor	7.955	7.956	-0.001	171573	40.4992	12.736
34 Mirex	8.149	8.137	0.012	168764	20.7377	6.5213
35 Endrin ketone	8.174	8.173	0.001	330763	29.4545	9.2624(R)
$ 36 Decachlorobiphenyl	9.326	9.328	-0.002	1259444	152.279	47.886(AR)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: 04110043.D

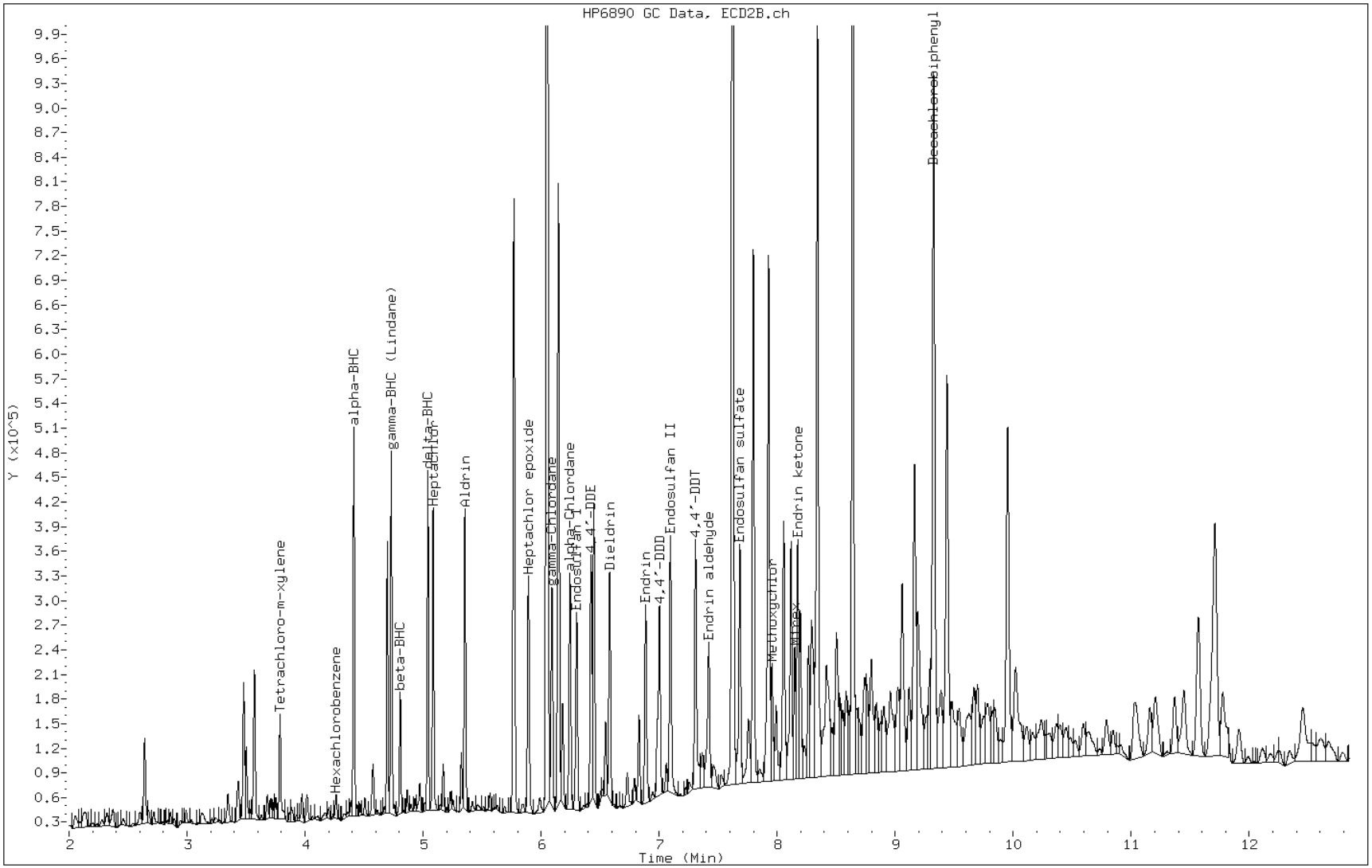
Date: 11-APR-2012 20:11

Client ID: UNK10201AA

Instrument: GC_P1.i

Sample Info: 280-1342565,MS

Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA MS | Lab Sample ID: 280-27123-10 MS

Matrix: Solid | Lab File ID: 04110056.D

Analysis Method: 8081A | Date Collected: 03/27/2012 13:15

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.2(g) | Date Analyzed: 04/11/2012 23:47

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	46.5	J Q M	210	33	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68	Q	70-125
2051-24-3	DCB Decachlorobiphenyl	65	M	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110056.D
Lab Smp Id: 280-27123-A-10-G MS Client Smp ID: UNK10702AA
Inj Date : 11-APR-2012 23:47
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342586,TMS
Misc Info : 280-27123-A-10-G MS
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 50 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOX_SAMPLE.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	31.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.917	3.917	0.000	139401	13.6482	4.3744(R)
17 Toxaphene	5.660	5.655	0.005	2701	112.954	36.203(aqM)
$ 36 Decachlorobiphenyl	9.211	9.213	-0.002	99281	13.0429	4.1804(RM)

QC Flag Legend

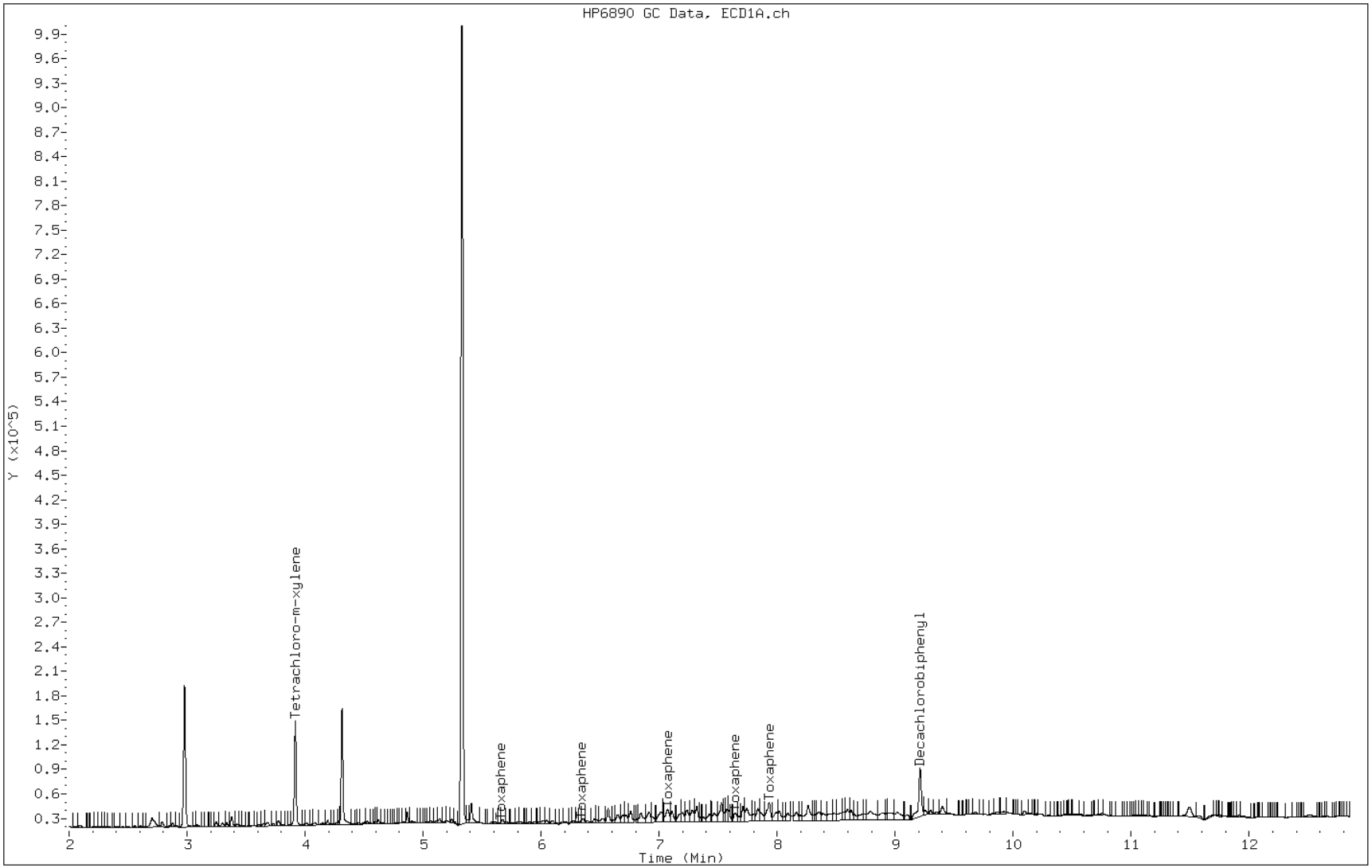
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File: 04110056.D

Date: 11-APR-2012 23:47

Client ID: UNK10702AA Instrument: GC_P1.i

Sample Info: 280-1342586,TMS Operator: DW

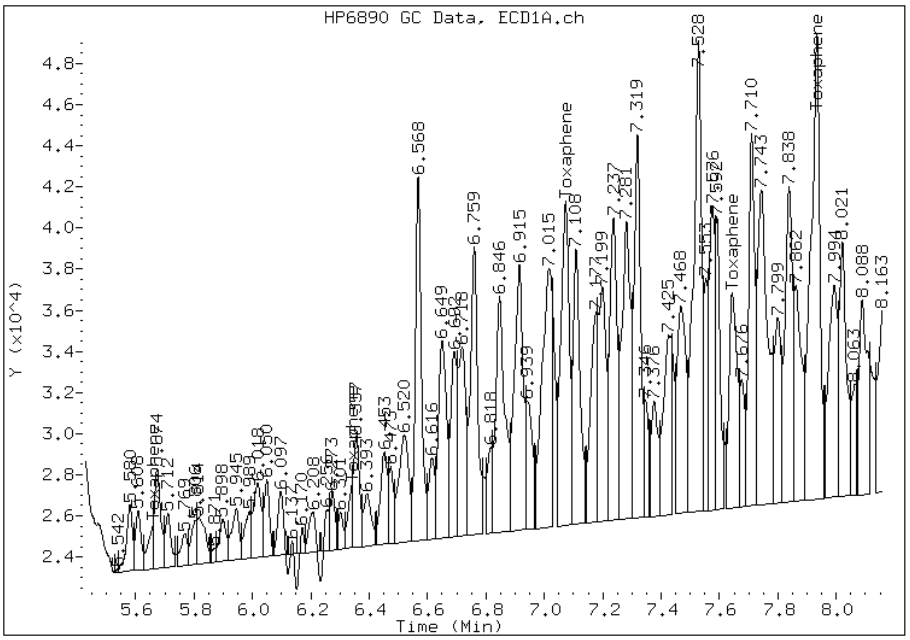


Manual Integration Report

Data File: 04110056.D
Inj. Date and Time: 11-APR-2012 23:47
Instrument ID: GC_P1.i
Client ID: UNK10702AA
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/12/2012

Processing Integration Results

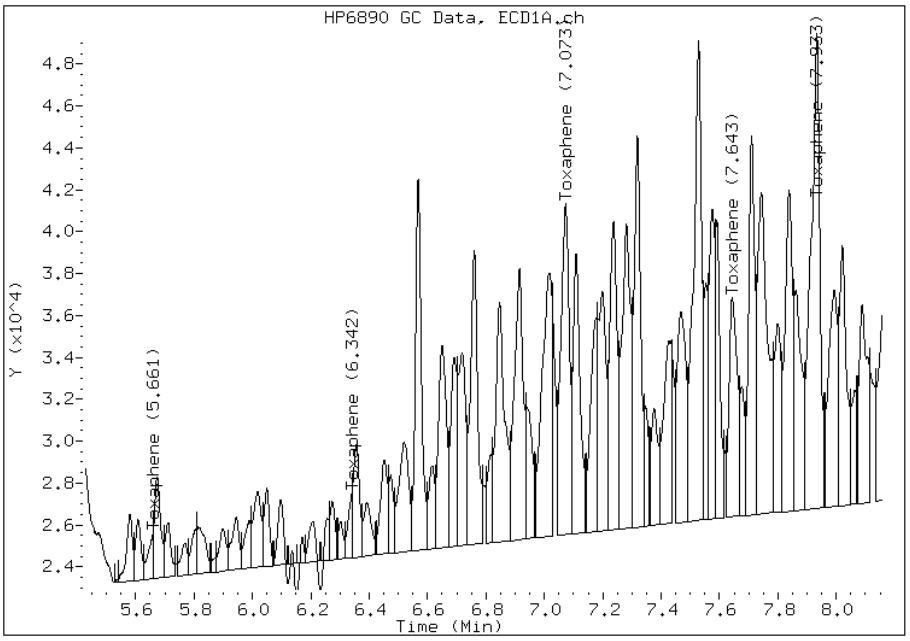
Not Detected



Manual Integration Results

RT	Response	Conc
5.66	2701	13.09

Final Conc		36.20



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 04110056.D
Inj. Date and Time: 11-APR-2012 23:47
Instrument ID: GC_P1.i
Client ID: UNK10702AA
Compound: 36 Decachlorobiphenyl
CAS #:
Report Date: 04/12/2012

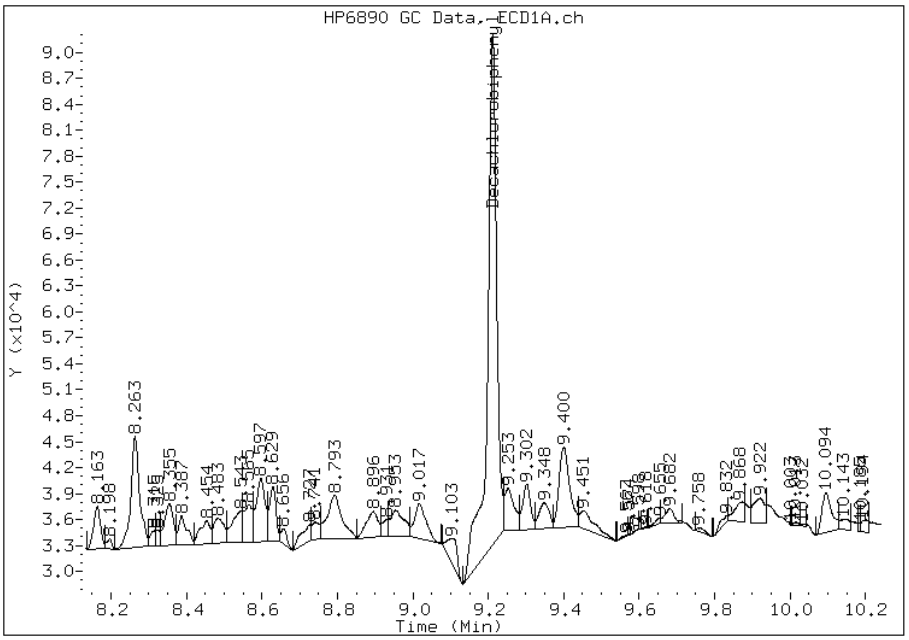
Processing Integration Results

RT: 9.21

Response: 99455

Amount: 13.07

Conc: 4.19



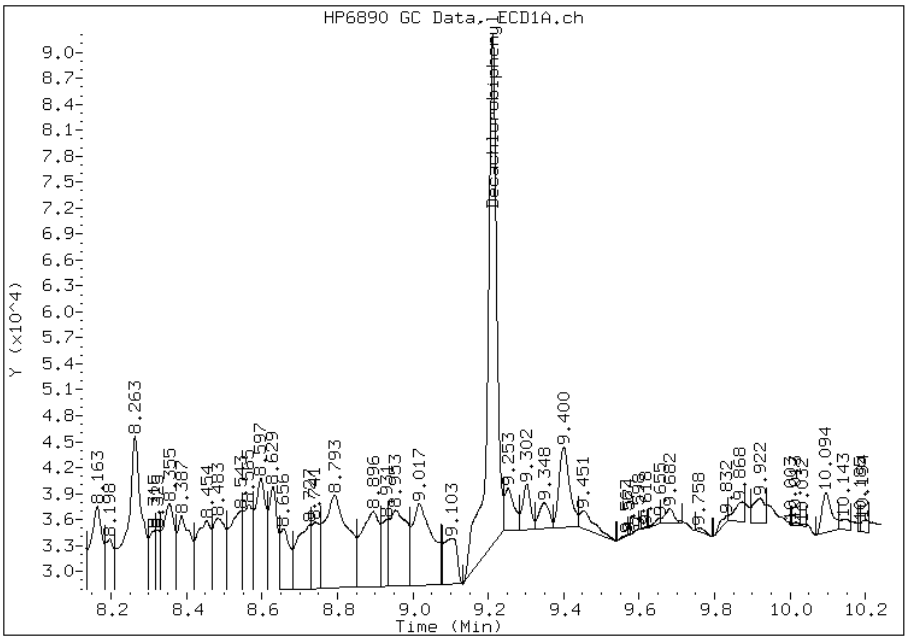
Manual Integration Results

RT: 9.21

Response: 99281

Amount: 13.04

Conc: 4.18



Manually Integrated By: wellsd
Manual Integration Reason: Unknown

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA MSD | Lab Sample ID: 280-27123-2 MSD

Matrix: Solid | Lab File ID: 04110044.D

Analysis Method: 8081A | Date Collected: 03/27/2012 10:20

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.2(g) | Date Analyzed: 04/11/2012 20:28

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 40.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	11.5	Q	2.8	1.1	0.91
72-55-9	4,4'-DDE	15.0	Q J	2.8	0.77	0.40
50-29-3	4,4'-DDT	17.4	Q J	3.3	1.1	0.98
309-00-2	Aldrin	14.8	Q	2.8	0.77	0.42
319-84-6	alpha-BHC	14.8	Q J	2.8	0.77	0.36
319-85-7	beta-BHC	14.1	Q J	2.8	1.1	1.1
319-86-8	delta-BHC	12.6	Q J	2.8	1.1	0.67
58-89-9	gamma-BHC (Lindane)	14.4	Q J	2.8	1.1	0.77
76-44-8	Heptachlor	12.6	Q J	2.8	0.77	0.36
1024-57-3	Heptachlor epoxide	14.6	Q J	2.8	1.1	0.71
959-98-8	Endosulfan I	13.8	Q	2.8	0.77	0.29
33213-65-9	Endosulfan II	12.6	Q	2.8	0.77	0.48
1031-07-8	Endosulfan sulfate	10.7	Q J	2.8	0.77	0.46
72-20-8	Endrin	15.9	Q J	2.8	0.77	0.51
7421-93-4	Endrin aldehyde	6.50	Q J	2.8	0.77	0.28
53494-70-5	Endrin ketone	13.9	Q J	2.8	1.1	0.81
5103-74-2	gamma-Chlordane	13.4	Q J	2.8	1.1	0.44
72-43-5	Methoxychlor	13.9	Q J	5.5	1.1	0.75
5103-71-9	alpha-Chlordane	13.4	Q J	2.8	0.77	0.54
60-57-1	Dieldrin	15.0	Q J	2.8	0.77	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	67	Q	70-125
2051-24-3	DCB Decachlorobiphenyl	351	Q	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110044.D
Lab Smp Id: 280-27123-A-2-H MSD Client Smp ID: UNK10201AA
Inj Date : 11-APR-2012 20:28
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342566,MSD
Misc Info : 280-27123-A-2-H MSD
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 38 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.918	3.917	0.001	137684	13.4734	4.4614(R)
3 Hexachlorobenzene	Compound Not Detected.					
5 alpha-BHC	4.505	4.505	0.000	388668	26.7334	8.8521(R)
6 gamma-BHC (Lindane)	4.799	4.799	0.000	339908	25.9544	8.5942(R)
7 beta-BHC	4.878	4.878	0.000	140537	25.3770	8.4030(R)
8 delta-BHC	5.028	5.028	0.000	297400	22.6643	7.5047(R)
10 Heptachlor	5.208	5.208	0.000	275392	22.7733	7.5408(R)
11 Aldrin	5.480	5.480	0.000	322484	26.6203	8.8146
13 Isodrin	5.812	5.806	0.006	7032	0.27407	0.090751(a)
15 Heptachlor epoxide	6.092	6.093	-0.001	289100	26.2841	8.7034(R)
18 gamma-Chlordane	6.224	6.225	-0.001	276270	24.1974	8.0124(R)
19 alpha-Chlordane	6.364	6.365	-0.001	264510	24.1176	7.9860(R)
20 4,4'-DDE	6.440	6.442	-0.002	293051	27.0957	8.9721(R)
21 Endosulfan I	6.507	6.507	0.000	258218	24.8086	8.2148(R)
23 Dieldrin	6.752	6.752	0.000	300668	27.0001	8.9404(R)
25 Endrin	6.987	6.987	0.000	246609	28.5562	9.4557(R)
27 4,4'-DDD	7.047	7.048	-0.001	216852	20.7388	6.8672(R)
29 Endosulfan II	7.208	7.208	0.000	222635	22.7602	7.5365(R)
30 4,4'-DDT	7.322	7.322	0.000	273775	31.2605	10.351(R)
31 Endrin aldehyde	7.613	7.615	-0.002	100718	11.7077	3.8767(R)
32 Methoxychlor	7.778	7.780	-0.002	108734	25.1064	8.3134(R)
33 Mirex	Compound Not Detected.					

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
34 Endosulfan sulfate	8.025	8.025	0.000	173785	19.3097	6.3939(R)
35 Endrin ketone	8.283	8.285	-0.002	259465	25.0878	8.3072(R)
$ 36 Decachlorobiphenyl	9.213	9.213	0.000	499492	70.1732	23.236(R)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110044.D

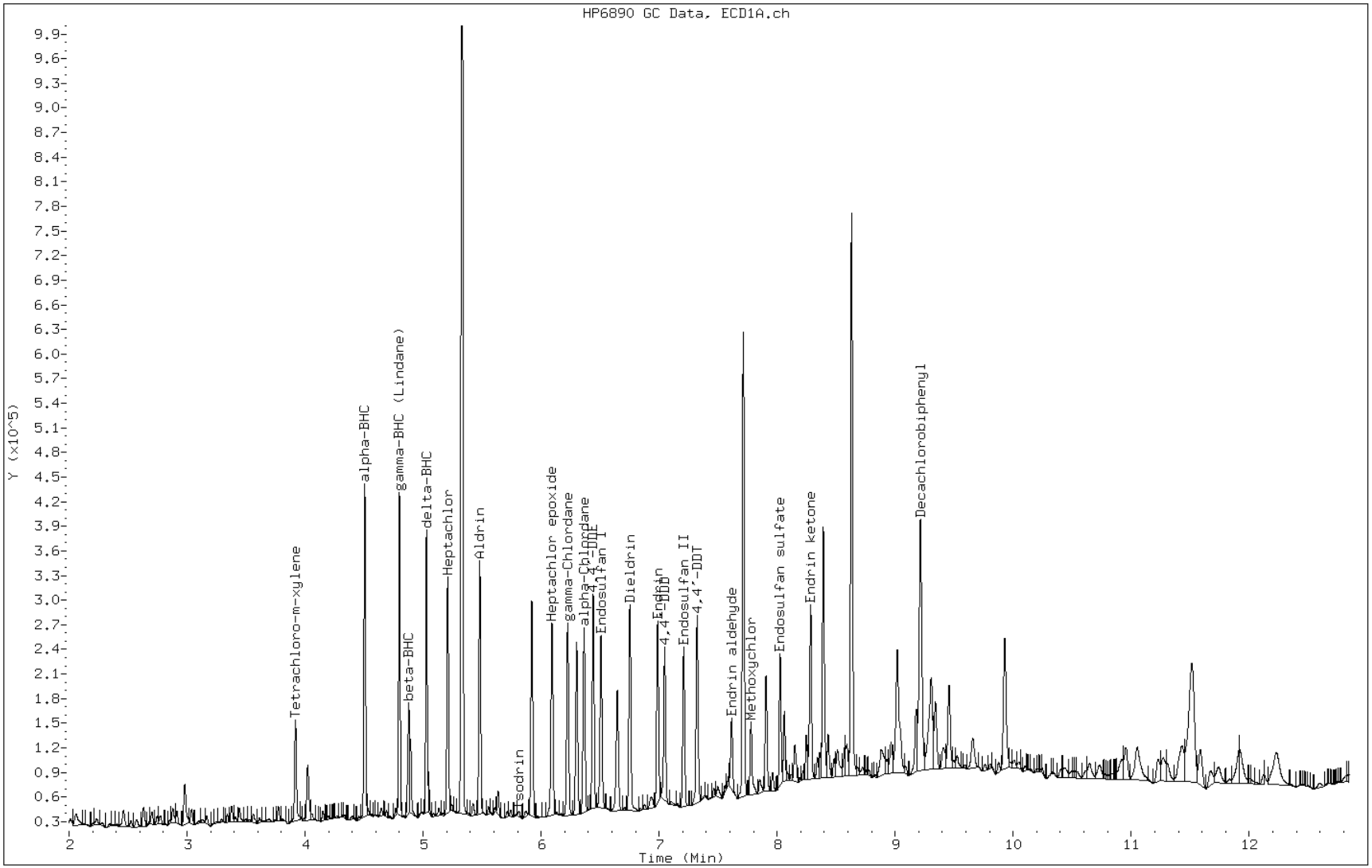
Date: 11-APR-2012 20:28

Client ID: UNK10201AA

Instrument: GC_P1.i

Sample Info: 280-1342566,MSD

Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA MSD | Lab Sample ID: 280-27123-2 MSD

Matrix: Solid | Lab File ID: 04110044.D

Analysis Method: 8081A | Date Collected: 03/27/2012 10:20

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.2(g) | Date Analyzed: 04/11/2012 20:28

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 40.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	56	Q	70-125
2051-24-3	DCB Decachlorobiphenyl	331	Q	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\04110044.D
Lab Smp Id: 280-27123-A-2-H MSD Client Smp ID: UNK10201AA
Inj Date : 11-APR-2012 20:28
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342566,MSD
Misc Info : 280-27123-A-2-H MSD
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411122a.b\P1_8081_2.m
Meth Date : 12-Apr-2012 10:33 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 38 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-INDAB.sub
Target Version: 4.14
Processing Host: DENPC359

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.788	3.787	0.001	124808	11.2243	3.7166(R)
4 Hexachlorobenzene	4.261	4.269	-0.008	9245	0.22132	0.073286(a)
5 alpha-BHC	4.414	4.413	0.001	411839	26.3877	8.7376(R)
6 gamma-BHC (Lindane)	4.729	4.729	0.000	376527	27.0136	8.9449(R)
7 beta-BHC	4.805	4.805	0.000	117098	19.7884	6.5525(R)
9 delta-BHC	5.040	5.040	0.000	308725	21.9863	7.2802(R)
10 Heptachlor	5.085	5.085	0.000	266732	21.7717	7.2092(R)
11 Aldrin	5.354	5.354	0.000	341422	25.6245	8.4849
15 Isodrin	Compound Not Detected.					
16 Heptachlor epoxide	5.892	5.893	-0.001	309459	26.1326	8.6532(R)
17 gamma-Chlordane	6.091	6.092	-0.001	269141	21.0253	6.9620(R)
19 alpha-Chlordane	6.244	6.245	-0.001	295462	23.7269	7.8566(R)
20 Endosulfan I	6.300	6.302	-0.002	266445	23.3744	7.7399(R)
21 4,4'-DDE	6.422	6.423	-0.001	288699	23.4752	7.7732(R)
22 Dieldrin	6.581	6.582	-0.001	284162	22.7663	7.5385(R)
25 Endrin	6.885	6.886	-0.001	229175	24.3725	8.0704(R)
28 4,4'-DDD	7.003	7.003	0.000	238651	24.1323	7.9908(R)
29 Endosulfan II	7.094	7.094	0.000	278724	25.3205	8.3843(R)
30 4,4'-DDT	7.307	7.308	-0.001	251591	28.6367	9.4824(R)
31 Endrin aldehyde	7.420	7.421	-0.001	122663	12.8420	4.2523(R)
32 Endosulfan sulfate	7.683	7.683	0.000	227159	22.2789	7.3771(R)

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	FINAL (ug/Kg)
33 Methoxychlor	7.954	7.956	-0.002	66724	15.2662	5.0550(R)
34 Mirex	8.148	8.137	0.011	12128	0.62473	0.20686(a)
35 Endrin ketone	8.173	8.173	0.000	260797	23.1004	7.6492(R)
$ 36 Decachlorobiphenyl	9.324	9.328	-0.004	552977	66.2728	21.945(R)

QC Flag Legend

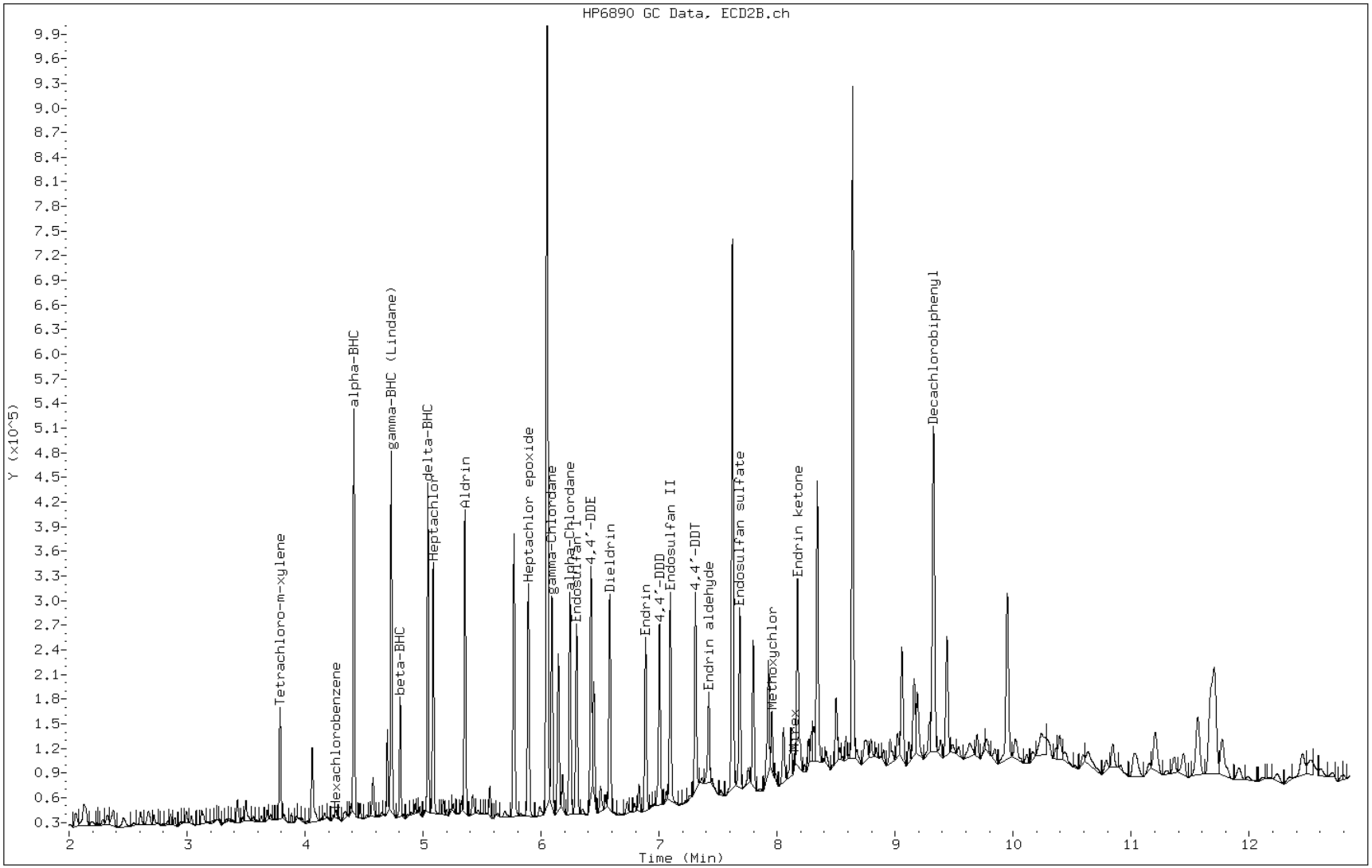
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 04110044.D

Date: 11-APR-2012 20:28

Client ID: UNK10201AA Instrument: GC_P1.i

Sample Info: 280-1342566,MSD Operator: DW



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA MSD | Lab Sample ID: 280-27123-10 MSD

Matrix: Solid | Lab File ID: 04110057.D

Analysis Method: 8081A | Date Collected: 03/27/2012 13:15

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.3(g) | Date Analyzed: 04/12/2012 00:04

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 115240 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	40.9	M Q J	220	34	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	67	Q	70-125
2051-24-3	DCB Decachlorobiphenyl	46	Q	55-130

TestAmerica

8081/608

Data file : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\04110057.D
Lab Smp Id: 280-27123-A-10-H MS Client Smp ID: UNK10702AA
Inj Date : 12-APR-2012 00:04
Operator : DW Inst ID: GC_P1.i
Smp Info : 280-1342587,TMSD
Misc Info : 280-27123-A-10-H MSD
Comment : Method 8081/608
Method : \\DenSvr03\Public\chem\GCS\GC_P1.i\0411121a.b\P1_8081_1.m
Meth Date : 12-Apr-2012 10:06 wellsd Quant Type: ESTD
Cal Date : 21-MAR-2012 21:22 Cal File: 03210035.D
Als bottle: 51 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3-TOX_SAMPLE.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume (uL)
Ws	30.300	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	3.918	3.917	0.001	137805	13.4857	4.4507(R)
17 Toxaphene	5.657	5.655	0.002	2389	96.4320	31.826(aqM)
$ 36 Decachlorobiphenyl	9.212	9.213	-0.001	73033	9.29596	3.0680(R)

QC Flag Legend

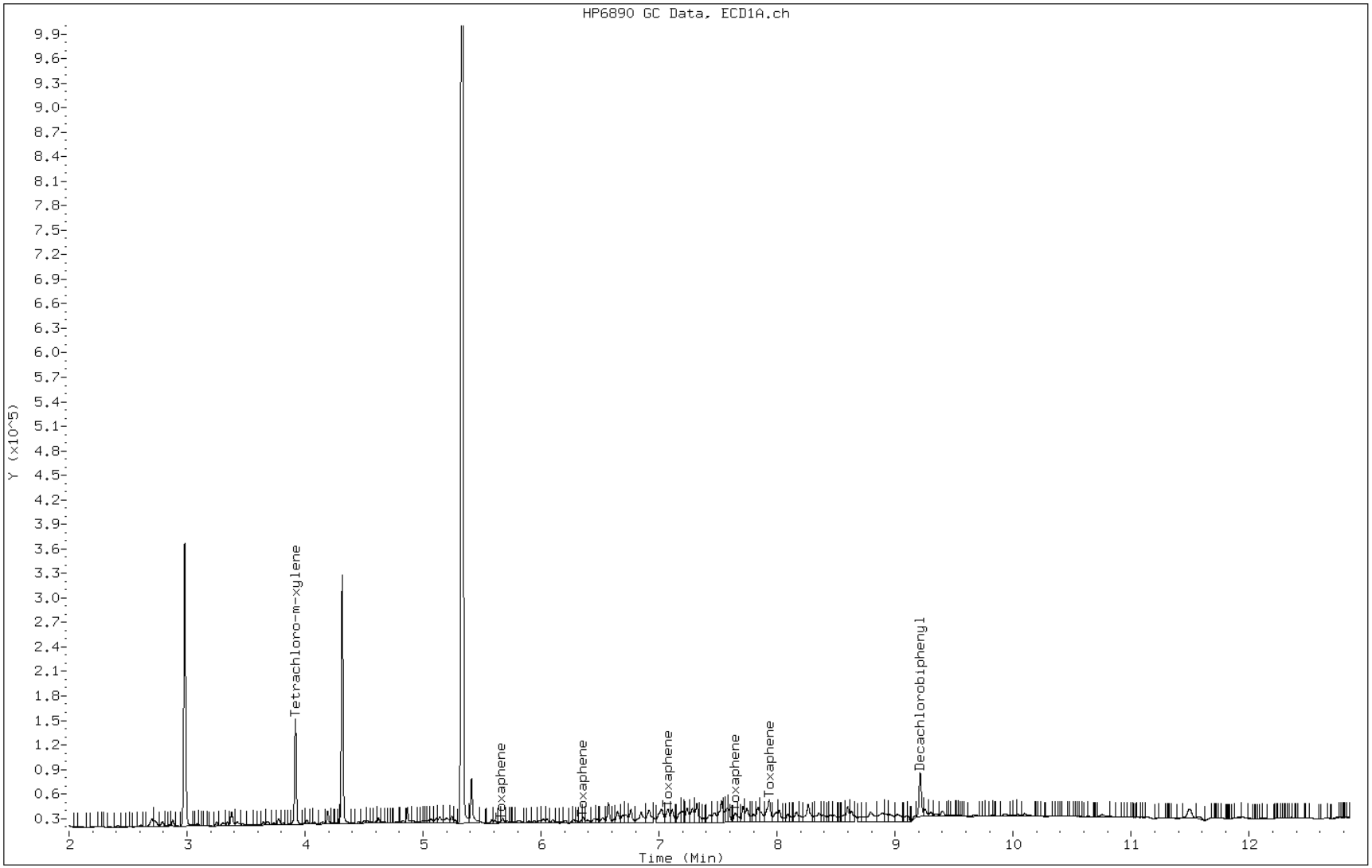
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File: 04110057.D

Date: 12-APR-2012 00:04

Client ID: UNK10702AA Instrument: GC_P1.i

Sample Info: 280-1342587,TMSD Operator: DW

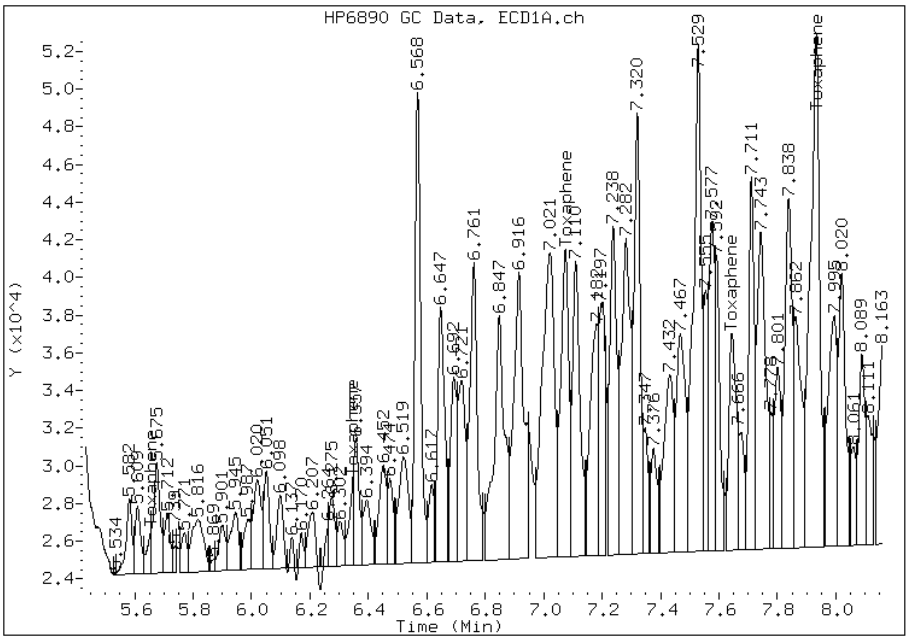


Manual Integration Report

Data File: 04110057.D
Inj. Date and Time: 12-APR-2012 00:04
Instrument ID: GC_P1.i
Client ID: UNK10702AA
Compound: 17 Toxaphene
CAS #: 8001-35-2
Report Date: 04/18/2012

Processing Integration Results

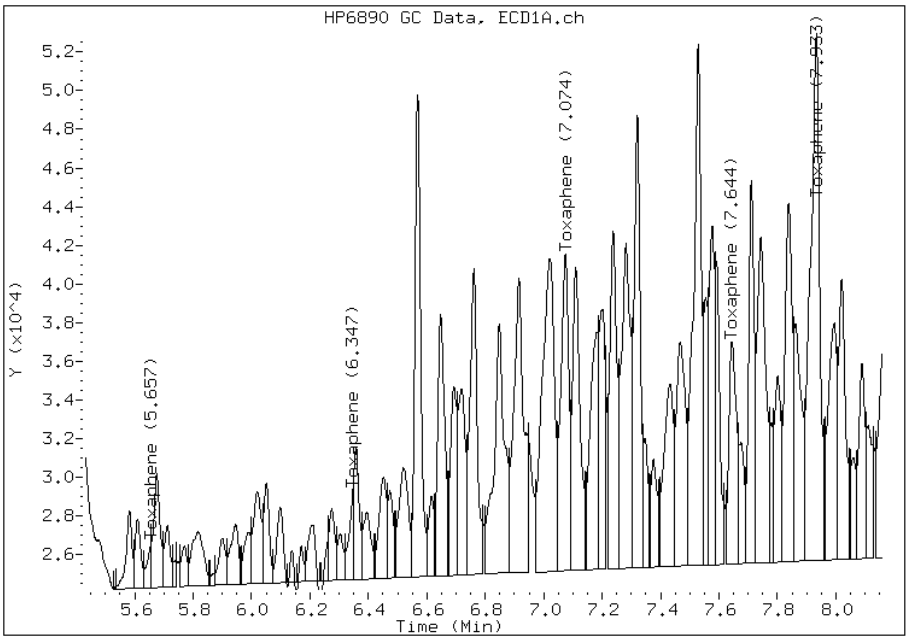
Not Detected



Manual Integration Results

RT	Response	Conc
6.35	4423*	3.62

Final Conc		31.83



Manually Integrated By: wellsd
Manual Integration Reason: Baseline Event

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Start Date: 03/21/2012 13:32

Analysis Batch Number: 112708 End Date: 03/21/2012 21:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-112708/1		03/21/2012 13:32	1		CLP1 0.32(mm)
PEM 280-112708/1		03/21/2012 13:32	1		CLP2 0.32(mm)
IC 280-112708/2		03/21/2012 14:22	1		CLP1 0.32(mm)
IC 280-112708/2		03/21/2012 14:22	1		CLP2 0.32(mm)
IC 280-112708/3		03/21/2012 14:39	1		CLP1 0.32(mm)
IC 280-112708/3		03/21/2012 14:39	1		CLP2 0.32(mm)
IC 280-112708/4		03/21/2012 14:56	1		CLP1 0.32(mm)
IC 280-112708/4		03/21/2012 14:56	1		CLP2 0.32(mm)
IC 280-112708/5		03/21/2012 15:13	1		CLP1 0.32(mm)
IC 280-112708/5		03/21/2012 15:13	1		CLP2 0.32(mm)
IC 280-112708/6		03/21/2012 15:29	1		CLP1 0.32(mm)
IC 280-112708/6		03/21/2012 15:29	1		CLP2 0.32(mm)
IC 280-112708/7		03/21/2012 15:46	1		CLP1 0.32(mm)
IC 280-112708/7		03/21/2012 15:46	1		CLP2 0.32(mm)
ICV 280-112708/8		03/21/2012 16:03	1		CLP1 0.32(mm)
ICV 280-112708/8		03/21/2012 16:03	1		CLP2 0.32(mm)
IC 280-112708/9		03/21/2012 16:20	1	03210017.D	CLP1 0.32(mm)
IC 280-112708/9		03/21/2012 16:20	1	03210017.D	CLP2 0.32(mm)
IC 280-112708/10		03/21/2012 16:37	1	03210018.D	CLP1 0.32(mm)
IC 280-112708/10		03/21/2012 16:37	1	03210018.D	CLP2 0.32(mm)
ICRT 280-112708/11		03/21/2012 16:53	1	03210019.D	CLP1 0.32(mm)
ICRT 280-112708/11		03/21/2012 16:53	1	03210019.D	CLP2 0.32(mm)
IC 280-112708/12		03/21/2012 17:10	1	03210020.D	CLP1 0.32(mm)
IC 280-112708/12		03/21/2012 17:10	1	03210020.D	CLP2 0.32(mm)
IC 280-112708/13		03/21/2012 17:27	1	03210021.D	CLP1 0.32(mm)
IC 280-112708/13		03/21/2012 17:27	1	03210021.D	CLP2 0.32(mm)
IC 280-112708/14		03/21/2012 17:44	1	03210022.D	CLP1 0.32(mm)
IC 280-112708/14		03/21/2012 17:44	1	03210022.D	CLP2 0.32(mm)
ICV 280-112708/15		03/21/2012 18:01	1	03210023.D	CLP1 0.32(mm)
ICV 280-112708/15		03/21/2012 18:01	1	03210023.D	CLP2 0.32(mm)
IC 280-112708/16		03/21/2012 18:17	1	03210024.D	CLP1 0.32(mm)
IC 280-112708/16		03/21/2012 18:17	1	03210024.D	CLP2 0.32(mm)
IC 280-112708/17		03/21/2012 18:34	1	03210025.D	CLP1 0.32(mm)
IC 280-112708/17		03/21/2012 18:34	1	03210025.D	CLP2 0.32(mm)
IC 280-112708/18		03/21/2012 18:51	1	03210026.D	CLP1 0.32(mm)
IC 280-112708/18		03/21/2012 18:51	1	03210026.D	CLP2 0.32(mm)
IC 280-112708/19		03/21/2012 19:08	1	03210027.D	CLP1 0.32(mm)
IC 280-112708/19		03/21/2012 19:08	1	03210027.D	CLP2 0.32(mm)
IC 280-112708/20		03/21/2012 19:24	1	03210028.D	CLP1 0.32(mm)
IC 280-112708/20		03/21/2012 19:24	1	03210028.D	CLP2 0.32(mm)
IC 280-112708/21		03/21/2012 19:41	1	03210029.D	CLP1 0.32(mm)
IC 280-112708/21		03/21/2012 19:41	1	03210029.D	CLP2 0.32(mm)
ICV 280-112708/22		03/21/2012 19:58	1	03210030.D	CLP1 0.32(mm)
ICV 280-112708/22		03/21/2012 19:58	1		CLP2 0.32(mm)
IC 280-112708/23		03/21/2012 20:15	1		CLP1 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Start Date: 03/21/2012 13:32

Analysis Batch Number: 112708 End Date: 03/21/2012 21:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 280-112708/23		03/21/2012 20:15	1		CLP2 0.32(mm)
IC 280-112708/24		03/21/2012 20:31	1		CLP1 0.32(mm)
IC 280-112708/24		03/21/2012 20:31	1		CLP2 0.32(mm)
IC 280-112708/25		03/21/2012 20:48	1		CLP1 0.32(mm)
IC 280-112708/25		03/21/2012 20:48	1		CLP2 0.32(mm)
IC 280-112708/26		03/21/2012 21:05	1		CLP1 0.32(mm)
IC 280-112708/26		03/21/2012 21:05	1		CLP2 0.32(mm)
IC 280-112708/27		03/21/2012 21:22	1		CLP1 0.32(mm)
IC 280-112708/27		03/21/2012 21:22	1		CLP2 0.32(mm)
ICV 280-112708/28		03/21/2012 21:39	1		CLP1 0.32(mm)
ICV 280-112708/28		03/21/2012 21:39	1		CLP2 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Start Date: 04/05/2012 10:26

Analysis Batch Number: 114395 End Date: 04/06/2012 02:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-114395/1		04/05/2012 10:26	1	04050007.D	CLP1 0.32(mm)
PEM 280-114395/1		04/05/2012 10:26	1	04050007.D	CLP2 0.32(mm)
CCV 280-114395/2		04/05/2012 11:16	1		CLP1 0.32(mm)
CCV 280-114395/2		04/05/2012 11:16	1		CLP2 0.32(mm)
CCVRT 280-114395/3		04/05/2012 11:33	1	04050011.D	CLP1 0.32(mm)
CCVRT 280-114395/3		04/05/2012 11:33	1	04050011.D	CLP2 0.32(mm)
CCV 280-114395/4		04/05/2012 11:50	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 13:14	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 13:30	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 13:47	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 13:47	1		CLP2 0.32(mm)
ZZZZZ		04/05/2012 14:04	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 14:04	1		CLP2 0.32(mm)
ZZZZZ		04/05/2012 14:20	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 14:20	1		CLP2 0.32(mm)
ZZZZZ		04/05/2012 14:37	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 14:37	1		CLP2 0.32(mm)
CCV 280-114395/11		04/05/2012 14:54	1		CLP1 0.32(mm)
CCV 280-114395/11		04/05/2012 14:54	1		CLP2 0.32(mm)
CCV 280-114395/12		04/05/2012 15:11	1		CLP1 0.32(mm)
CCV 280-114395/12		04/05/2012 15:11	1		CLP2 0.32(mm)
CCV 280-114395/13		04/05/2012 15:27	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 15:44	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 15:44	1		CLP2 0.32(mm)
ZZZZZ		04/05/2012 16:01	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 16:01	1		CLP2 0.32(mm)
ZZZZZ		04/05/2012 16:18	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 16:18	1		CLP2 0.32(mm)
ZZZZZ		04/05/2012 16:35	1		CLP1 0.32(mm)
ZZZZZ		04/05/2012 16:35	1		CLP2 0.32(mm)
CCV 280-114395/18		04/05/2012 18:32	1		CLP1 0.32(mm)
CCV 280-114395/18		04/05/2012 18:32	1		CLP2 0.32(mm)
CCV 280-114395/19		04/05/2012 18:48	1		CLP1 0.32(mm)
CCV 280-114395/19		04/05/2012 18:48	1		CLP2 0.32(mm)
CCV 280-114395/20		04/05/2012 19:05	1		CLP1 0.32(mm)
CCV 280-114395/21		04/05/2012 21:52	1		CLP1 0.32(mm)
CCV 280-114395/21		04/05/2012 21:52	1		CLP2 0.32(mm)
CCV 280-114395/22		04/05/2012 22:09	1	04050049.D	CLP1 0.32(mm)
CCV 280-114395/22		04/05/2012 22:09	1	04050049.D	CLP2 0.32(mm)
CCV 280-114395/23		04/05/2012 22:26	1	04050050.D	CLP1 0.32(mm)
LCS 280-113965/5-A		04/05/2012 22:42	1	04050051.D	CLP1 0.32(mm)
LCS 280-113965/2-A		04/05/2012 22:59	1	04050052.D	CLP1 0.32(mm)
LCS 280-113965/2-A		04/05/2012 22:59	1	04050052.D	CLP2 0.32(mm)
280-27123-11	032712AE	04/05/2012 23:15	1	04050053.D	CLP1 0.32(mm)
280-27123-11	032712AE	04/05/2012 23:15	1	04050053.D	CLP2 0.32(mm)

8081A

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Start Date: 04/05/2012 10:26

Analysis Batch Number: 114395 End Date: 04/06/2012 02:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MB 280-113965/1-A		04/05/2012 23:32	1	04050054.D	CLP1 0.32(mm)
MB 280-113965/1-A		04/05/2012 23:32	1	04050054.D	CLP2 0.32(mm)
ZZZZZ		04/05/2012 23:49	1		CLP1 0.32(mm)
ZZZZZ		04/06/2012 00:05	1		CLP1 0.32(mm)
ZZZZZ		04/06/2012 00:22	1		CLP1 0.32(mm)
ZZZZZ		04/06/2012 00:22	1		CLP2 0.32(mm)
ZZZZZ		04/06/2012 00:39	1		CLP1 0.32(mm)
ZZZZZ		04/06/2012 00:39	1		CLP2 0.32(mm)
ZZZZZ		04/06/2012 00:56	1		CLP1 0.32(mm)
ZZZZZ		04/06/2012 00:56	1		CLP2 0.32(mm)
ZZZZZ		04/06/2012 01:12	1		CLP1 0.32(mm)
ZZZZZ		04/06/2012 01:12	1		CLP2 0.32(mm)
CCV 280-114395/34		04/06/2012 01:29	1		CLP1 0.32(mm)
CCV 280-114395/34		04/06/2012 01:29	1		CLP2 0.32(mm)
CCV 280-114395/35		04/06/2012 01:46	1	04050062.D	CLP1 0.32(mm)
CCV 280-114395/35		04/06/2012 01:46	1	04050062.D	CLP2 0.32(mm)
CCV 280-114395/36		04/06/2012 02:02	1	04050063.D	CLP1 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Start Date: 04/11/2012 10:12

Analysis Batch Number: 115240 End Date: 04/12/2012 00:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-115240/1		04/11/2012 10:12	1	04110007.D	CLP1 0.32(mm)
PEM 280-115240/1		04/11/2012 10:12	1	04110007.D	CLP2 0.32(mm)
CCV 280-115240/2		04/11/2012 11:02	1		CLP1 0.32(mm)
CCV 280-115240/2		04/11/2012 11:02	1		CLP2 0.32(mm)
CCVRT 280-115240/3		04/11/2012 11:19	1	04110011.D	CLP1 0.32(mm)
CCVRT 280-115240/3		04/11/2012 11:19	1	04110011.D	CLP2 0.32(mm)
CCV 280-115240/4		04/11/2012 11:36	1		CLP1 0.32(mm)
CCV 280-115240/5		04/11/2012 14:55	1		CLP1 0.32(mm)
CCV 280-115240/5		04/11/2012 14:55	1		CLP2 0.32(mm)
CCV 280-115240/6		04/11/2012 15:12	1		CLP1 0.32(mm)
CCV 280-115240/6		04/11/2012 15:12	1		CLP2 0.32(mm)
CCV 280-115240/7		04/11/2012 15:28	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 15:45	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 15:45	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 16:02	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 16:02	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 16:18	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 16:18	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 16:35	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 16:35	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 16:52	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 16:52	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 17:08	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 17:08	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 17:25	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 17:25	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 17:42	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 17:42	1		CLP2 0.32(mm)
CCV 280-115240/16		04/11/2012 17:58	1		CLP1 0.32(mm)
CCV 280-115240/16		04/11/2012 17:58	1		CLP2 0.32(mm)
CCV 280-115240/17		04/11/2012 18:15	1	04110036.D	CLP1 0.32(mm)
CCV 280-115240/17		04/11/2012 18:15	1	04110036.D	CLP2 0.32(mm)
CCV 280-115240/18		04/11/2012 18:32	1	04110037.D	CLP1 0.32(mm)
MB 280-113973/1-A		04/11/2012 18:48	1	04110038.D	CLP1 0.32(mm)
MB 280-113973/1-A		04/11/2012 18:48	1	04110038.D	CLP2 0.32(mm)
LCS 280-113973/26-A		04/11/2012 19:05	1	04110039.D	CLP1 0.32(mm)
LCS 280-113973/2-A		04/11/2012 19:21	1	04110040.D	CLP1 0.32(mm)
LCS 280-113973/2-A		04/11/2012 19:21	1	04110040.D	CLP2 0.32(mm)
280-27123-1	UNK10101AA	04/11/2012 19:38	1	04110041.D	CLP1 0.32(mm)
280-27123-1	UNK10101AA	04/11/2012 19:38	1	04110041.D	CLP2 0.32(mm)
280-27123-2	UNK10201AA	04/11/2012 19:55	1	04110042.D	CLP1 0.32(mm)
280-27123-2	UNK10201AA	04/11/2012 19:55	1	04110042.D	CLP2 0.32(mm)
280-27123-2 MS	UNK10201AA MS	04/11/2012 20:11	1	04110043.D	CLP1 0.32(mm)
280-27123-2 MS	UNK10201AA MS	04/11/2012 20:11	1	04110043.D	CLP2 0.32(mm)
280-27123-2 MSD	UNK10201AA MSD	04/11/2012 20:28	1	04110044.D	CLP1 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Start Date: 04/11/2012 10:12

Analysis Batch Number: 115240 End Date: 04/12/2012 00:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
280-27123-2 MSD	UNK10201AA MSD	04/11/2012 20:28	1	04110044.D	CLP2 0.32(mm)
280-27123-3	UNK10301AA	04/11/2012 20:45	1	04110045.D	CLP1 0.32(mm)
280-27123-3	UNK10301AA	04/11/2012 20:45	1	04110045.D	CLP2 0.32(mm)
280-27123-4	UNK10401AA	04/11/2012 21:01	1	04110046.D	CLP1 0.32(mm)
280-27123-4	UNK10401AA	04/11/2012 21:01	1	04110046.D	CLP2 0.32(mm)
CCV 280-115240/28		04/11/2012 21:18	1		CLP1 0.32(mm)
CCV 280-115240/28		04/11/2012 21:18	1		CLP2 0.32(mm)
CCV 280-115240/29		04/11/2012 21:34	1	04110048.D	CLP1 0.32(mm)
CCV 280-115240/29		04/11/2012 21:34	1	04110048.D	CLP2 0.32(mm)
CCV 280-115240/30		04/11/2012 21:51	1	04110049.D	CLP1 0.32(mm)
CCV 280-115240/30		04/11/2012 21:51	1		CLP2 0.32(mm)
280-27123-5	UNK10501AA	04/11/2012 22:08	1	04110050.D	CLP1 0.32(mm)
280-27123-5	UNK10501AA	04/11/2012 22:08	1	04110050.D	CLP2 0.32(mm)
280-27123-6	UNK10502AA	04/11/2012 22:24	1	04110051.D	CLP1 0.32(mm)
280-27123-6	UNK10502AA	04/11/2012 22:24	1	04110051.D	CLP2 0.32(mm)
280-27123-7	UNK10601AA	04/11/2012 22:41	1	04110052.D	CLP1 0.32(mm)
280-27123-7	UNK10601AA	04/11/2012 22:41	1	04110052.D	CLP2 0.32(mm)
280-27123-8	UNK10602AA	04/11/2012 22:58	1	04110053.D	CLP1 0.32(mm)
280-27123-8	UNK10602AA	04/11/2012 22:58	1	04110053.D	CLP2 0.32(mm)
280-27123-9	UNK10701AA	04/11/2012 23:14	1	04110054.D	CLP1 0.32(mm)
280-27123-9	UNK10701AA	04/11/2012 23:14	1	04110054.D	CLP2 0.32(mm)
280-27123-10	UNK10702AA	04/11/2012 23:31	1	04110055.D	CLP1 0.32(mm)
280-27123-10	UNK10702AA	04/11/2012 23:31	1	04110055.D	CLP2 0.32(mm)
280-27123-10 MS	UNK10702AA MS	04/11/2012 23:47	1	04110056.D	CLP1 0.32(mm)
280-27123-10 MSD	UNK10702AA MSD	04/12/2012 00:04	1	04110057.D	CLP1 0.32(mm)
CCV 280-115240/39		04/12/2012 00:21	1		CLP1 0.32(mm)
CCV 280-115240/39		04/12/2012 00:21	1		CLP2 0.32(mm)
CCV 280-115240/40		04/12/2012 00:38	1	04110059.D	CLP1 0.32(mm)
CCV 280-115240/40		04/12/2012 00:38	1	04110059.D	CLP2 0.32(mm)
CCV 280-115240/41		04/12/2012 00:54	1	04110060.D	CLP1 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_P1 Start Date: 04/16/2012 10:50

Analysis Batch Number: 115801 End Date: 04/17/2012 00:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-115801/1		04/16/2012 10:50	1	04160007.D	CLP1 0.32(mm)
PEM 280-115801/1		04/16/2012 10:50	1	04160007.D	CLP2 0.32(mm)
CCV 280-115801/2		04/16/2012 11:42	1		CLP1 0.32(mm)
CCV 280-115801/2		04/16/2012 11:42	1		CLP2 0.32(mm)
CCVRT 280-115801/3		04/16/2012 11:59	1	04160011.D	CLP1 0.32(mm)
CCVRT 280-115801/3		04/16/2012 11:59	1	04160011.D	CLP2 0.32(mm)
CCV 280-115801/4		04/16/2012 12:16	1	04160012.D	CLP1 0.32(mm)
CCV 280-115801/5		04/16/2012 20:35	1		CLP1 0.32(mm)
CCV 280-115801/5		04/16/2012 20:35	1		CLP2 0.32(mm)
CCV 280-115801/6		04/16/2012 20:52	1	04160042.D	CLP1 0.32(mm)
CCV 280-115801/6		04/16/2012 20:52	1	04160042.D	CLP2 0.32(mm)
CCV 280-115801/7		04/16/2012 21:09	1	04160043.D	CLP1 0.32(mm)
CCV 280-115801/7		04/16/2012 21:09	1		CLP2 0.32(mm)
280-27123-1	UNK10101AA	04/16/2012 21:26	5	04160044.D	CLP1 0.32(mm)
280-27123-1	UNK10101AA	04/16/2012 21:26	5	04160044.D	CLP2 0.32(mm)
280-27123-2	UNK10201AA	04/16/2012 21:43	5	04160045.D	CLP1 0.32(mm)
280-27123-3	UNK10301AA	04/16/2012 22:00	5	04160046.D	CLP1 0.32(mm)
ZZZZZ		04/16/2012 22:00	5		CLP2 0.32(mm)
280-27123-4	UNK10401AA	04/16/2012 22:18	5	04160047.D	CLP1 0.32(mm)
280-27123-5	UNK10501AA	04/16/2012 22:35	5	04160048.D	CLP1 0.32(mm)
280-27123-6	UNK10502AA	04/16/2012 22:52	5	04160049.D	CLP1 0.32(mm)
280-27123-7	UNK10601AA	04/16/2012 23:09	5	04160050.D	CLP1 0.32(mm)
280-27123-8	UNK10602AA	04/16/2012 23:26	5	04160051.D	CLP1 0.32(mm)
280-27123-9	UNK10701AA	04/16/2012 23:44	5	04160052.D	CLP1 0.32(mm)
280-27123-10	UNK10702AA	04/17/2012 00:01	5	04160053.D	CLP1 0.32(mm)
CCV 280-115801/18		04/17/2012 00:18	1		CLP1 0.32(mm)
CCV 280-115801/18		04/17/2012 00:18	1		CLP2 0.32(mm)
CCV 280-115801/19		04/17/2012 00:35	1	04160055.D	CLP1 0.32(mm)
CCV 280-115801/19		04/17/2012 00:35	1	04160055.D	CLP2 0.32(mm)
CCV 280-115801/20		04/17/2012 00:52	1	04160056.D	CLP1 0.32(mm)

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113965 Batch Start Date: 04/02/12 17:50 Batch Analyst: Cullen, Craig R

Batch Method: 3510C Batch End Date: 04/04/12 10:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	InitialAmount	FinalAmount	8081 LCS 00132
MB 280-113965/1		3510C, 8081A		7 SU			1000 mL	10000 uL	
LCS 280-113965/2		3510C, 8081A		7 SU			1000 mL	10000 uL	1 mL
280-27123-C-11	032712AE	3510C, 8081A	T	7 SU	1537.4 g	500.0 g	1037.4 mL	10000 uL	
LCS 280-113965/5		3510C, 8081A		7 SU			1000 mL	10000 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	8081/82 Surr 00038	8081Toxaphene 00007	AnalysisComment			
MB 280-113965/1		3510C, 8081A		1 mL					
LCS 280-113965/2		3510C, 8081A		1 mL		8081			
280-27123-C-11	032712AE	3510C, 8081A	T	1 mL					
LCS 280-113965/5		3510C, 8081A		1 mL	1 mL	Tox			

Batch Notes	
Batch Comment	DV-OP-00006/7, NaCl: K47600, Bal: 24350888H2O: Elga PIP:OP-P2(10.00)
Person's name who did the concentration	CLUKEY.L/VU.D
Exchange Solvent Lot #	HEXANE_CYCL_00003
Exchange Solvent Name	HEXANE
Na2SO4 Lot Number	K28619_00012
Oven, Bath or Block Temperature 1	A@88C
Prep Solvent Lot #	MeCl2_Cycl_00026
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	CullenC-I
Person's name who witnessed reagent drop	CokleyC
Sufficient volume for MS/MSD?	No

Basis	Basis Description
T	Total/NA

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113973 Batch Start Date: 04/02/12 17:20 Batch Analyst: Flynn, Sean P

Batch Method: 3546 Batch End Date: 04/05/12 17:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8081 LCS 00132	8081/82 Surr 00038	8081Toxaphene 00007	AnalysisComment
MB 280-113973/1		3546, 8081A		32.9 g	10000 uL		1 mL		
LCS 280-113973/2		3546, 8081A		30.7 g	10000 uL	1 mL	1 mL		8081
280-27123-A-1	UNK10101AA	3546, 8081A	T	30.5 g	10000 uL		1 mL		
280-27123-A-2	UNK10201AA	3546, 8081A	T	32.1 g	10000 uL		1 mL		
280-27123-A-2 MS	UNK10201AA	3546, 8081A	T	31.8 g	10000 uL	1 mL	1 mL		8081
280-27123-A-2 MSD	UNK10201AA	3546, 8081A	T	30.2 g	10000 uL	1 mL	1 mL		8081
280-27123-A-3	UNK10301AA	3546, 8081A	T	32.2 g	10000 uL		1 mL		
280-27123-A-4	UNK10401AA	3546, 8081A	T	30.6 g	10000 uL		1 mL		
280-27123-A-5	UNK10501AA	3546, 8081A	T	32.1 g	10000 uL		1 mL		
280-27123-A-6	UNK10502AA	3546, 8081A	T	32.8 g	10000 uL		1 mL		
280-27123-A-7	UNK10601AA	3546, 8081A	T	31.4 g	10000 uL		1 mL		
280-27123-A-8	UNK10602AA	3546, 8081A	T	31.6 g	10000 uL		1 mL		
280-27123-A-9	UNK10701AA	3546, 8081A	T	30.6 g	10000 uL		1 mL		
280-27123-A-10	UNK10702AA	3546, 8081A	T	30.2 g	10000 uL		1 mL		
LCS 280-113973/26		3546, 8081A		32.0 g	10000 uL		1 mL	1 mL	TOX
280-27123-A-10 MS	UNK10702AA	3546, 8081A	T	31.2 g	10000 uL		1 mL	1 mL	TOX
280-27123-A-10 MSD	UNK10702AA	3546, 8081A	T	30.3 g	10000 uL		1 mL	1 mL	TOX

PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113973 Batch Start Date: 04/02/12 17:20 Batch Analyst: Flynn, Sean P

Batch Method: 3546 Batch End Date: 04/05/12 17:15

Batch Notes	
Balance ID	24750402
Batch Comment	pip: OP-P2 (10.05 & 2.00)
Person's name who did the concentration	SmileyK/MoanM
Exchange Solvent Lot #	Hexane_Cycl_00003
Exchange Solvent Name	50mL's Hexane
Final Concentrator Volume	10000uL's uL
Florisil Lot #	FlorisilSoL_00007; 906011-BS-06 by CDC 4.9.12
Lot # of hydrochloric acid	1:1AceMeCl2_000
Hexane Lot#	Hexane_Cycl_000
MeCL2 Lot #	1:1MeCl2:Acetone
Microwave Start Time	04-02-2012@:17:40
Microwave Stop Time	04-02-2012@:19:15
Na2SO4 Lot Number	K28619_00013
Ottawa Sand Lot #	2AB0605
Pipette ID	H
Person's name who did the prep	Flynn, S
SOP Number	DV_OP_00015/00007
Person who witnessed spiking	REVIEWER: Wiggins, J S/S:Flynn, S
Water Bath ID	A
Water Bath Temperature	88 C

Basis	Basis Description
T	Total/NA

Method 8082

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP1 ID: 0.32 (mm) GC Column (2): CLP2 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
UNK10101AA	280-27123-1	94		944 J Q	
UNK10201AA	280-27123-2	74		274 J Q	
UNK10301AA	280-27123-3	60		38 Q	
UNK10401AA	280-27123-4	70		49 Q	
UNK10501AA	280-27123-5	55		37 Q	
UNK10502AA	280-27123-6	79		65	
UNK10601AA	280-27123-7	62		81	
UNK10602AA	280-27123-8	82		70	
UNK10701AA	280-27123-9	70	71	49 Q	54 Q
UNK10702AA	280-27123-10	67		46 Q	
	MB 280-113973/1-A	95	102	97	97
	LCS 280-113973/3-A	100	103	102	104
UNK10301AA MS	280-27123-3 MS	60		60	
UNK10301AA MSD	280-27123-3 MSD	65		49 Q	

	QC LIMITS
TCX = Tetrachloro-m-xylene	53-128
DCB = DCB Decachlorobiphenyl	59-130

Column to be used to flag recovery values

FORM II 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP1 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	DCB1 #
032712AE	280-27123-11	93	97
	MB 280-113965/1-A	93	98
	LCS 280-113965/3-A	99	100

	QC LIMITS
TCX = Tetrachloro-m-xylene	25-120
DCB = DCB Decachlorobiphenyl	40-135

Column to be used to flag recovery values

FORM II 8082

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 016F1601.D

Lab ID: LCS 280-113965/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	2.00	2.15	108	25-145	
PCB-1260	2.00	2.12	106	30-145	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 021F2101.D

Lab ID: LCS 280-113973/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	63.7	65.3	102	40-140	
PCB-1260	63.7	69.2	109	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 026F2601.D

Lab ID: 280-27123-3 MS Client ID: UNK10301AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	101	14 U	62.1	62	40-140	
PCB-1260	101	14 U	39.8 J	40	60-130	J

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 027F2701.D

Lab ID: 280-27123-3 MSD Client ID: UNK10301AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	101	76.2	76	20	30	40-140	Q
PCB-1260	101	50.6	50	24	30	60-130	Q J

Column to be used to flag recovery and RPD values

FORM III 8082

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: MB 280-113973/1-A

Matrix: Solid Date Extracted: 04/02/2012 17:20

Lab File ID:(1) 020F2001.D Lab File ID:(2) 020F2001.D

Date Analyzed:(1) 04/10/2012 16:55 Date Analyzed:(2) 04/10/2012 16:55

Instrument ID:(1) GCS_W Instrument ID:(2) GCS_W

GC Column:(1) CLP1 ID: 0.32(mm) GC Column:(2) CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-113973/3-A	04/10/2012 17:19	04/10/2012 17:19
UNK10101AA	280-27123-1	04/10/2012 17:42	
UNK10201AA	280-27123-2	04/10/2012 18:05	
UNK10301AA	280-27123-3	04/10/2012 18:28	
UNK10301AA MS	280-27123-3 MS	04/10/2012 19:14	
UNK10301AA MSD	280-27123-3 MSD	04/10/2012 19:37	
UNK10401AA	280-27123-4	04/10/2012 20:00	
UNK10501AA	280-27123-5	04/10/2012 20:23	
UNK10502AA	280-27123-6	04/10/2012 20:46	
UNK10601AA	280-27123-7	04/10/2012 21:09	
UNK10602AA	280-27123-8	04/10/2012 21:32	
UNK10701AA	280-27123-9	04/10/2012 21:55	04/10/2012 21:55
UNK10702AA	280-27123-10	04/10/2012 22:19	

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: MB 280-113965/1-A

Matrix: Water Date Extracted: 04/02/2012 17:50

Lab File ID:(1) 015F1501.D Lab File ID:(2)

Date Analyzed:(1) 04/13/2012 18:28 Date Analyzed:(2)

Instrument ID:(1) GCS_W Instrument ID:(2)

GC Column:(1) CLP1 ID: 0.32(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-113965/3-A	04/13/2012 18:51	
032712AE	280-27123-11	04/13/2012 19:14	

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: CCVRT 280-114993/1 Date Analyzed: 04/10/2012 10:22

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 003F0301.D Heated Purge: (Y/N) N

Calibration ID: 8999

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.58	12.60	
UPPER LIMIT				3.61	12.63	
LOWER LIMIT				3.55	12.57	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-114993/1		04/10/2012 10:22	003F0301.D	3.58	12.60	
CCV 280-114993/7		04/10/2012 14:37	014F1401.D	3.58	12.60	
MB 280-113973/1-A		04/10/2012 16:55	020F2001.D	3.58	12.60	
LCS 280-113973/3-A		04/10/2012 17:19	021F2101.D	3.58	12.60	
280-27123-1	UNK10101AA	04/10/2012 17:42	022F2201.D	3.58	12.59	
280-27123-2	UNK10201AA	04/10/2012 18:05	023F2301.D	3.58	12.59	
280-27123-3	UNK10301AA	04/10/2012 18:28	024F2401.D	3.58	12.60	
CCV 280-114993/18		04/10/2012 18:51	025F2501.D	3.58	12.60	
280-27123-3 MS	UNK10301AA MS	04/10/2012 19:14	026F2601.D	3.58	12.60	
280-27123-3 MSD	UNK10301AA MSD	04/10/2012 19:37	027F2701.D	3.58	12.60	
280-27123-4	UNK10401AA	04/10/2012 20:00	028F2801.D	3.58	12.60	
280-27123-5	UNK10501AA	04/10/2012 20:23	029F2901.D	3.58	12.60	
280-27123-6	UNK10502AA	04/10/2012 20:46	030F3001.D	3.58	12.60	
280-27123-7	UNK10601AA	04/10/2012 21:09	031F3101.D	3.58	12.60	
280-27123-8	UNK10602AA	04/10/2012 21:32	032F3201.D	3.58	12.60	
280-27123-9	UNK10701AA	04/10/2012 21:55	033F3301.D	3.58	12.60	
280-27123-10	UNK10702AA	04/10/2012 22:19	034F3401.D	3.58	12.60	
CCV 280-114993/29		04/10/2012 23:05	036F3601.D	3.58	12.60	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: CCVRT 280-114993/1 Date Analyzed: 04/10/2012 10:22

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 003F0301.D Heated Purge: (Y/N) N

Calibration ID: 9004

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.64	13.35	
UPPER LIMIT				3.67	13.38	
LOWER LIMIT				3.61	13.32	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-114993/1		04/10/2012 10:22	003F0301.D	3.64	13.35	
CCV 280-114993/7		04/10/2012 14:37	014F1401.D	3.64	13.35	
MB 280-113973/1-A		04/10/2012 16:55	020F2001.D	3.64	13.35	
LCS 280-113973/3-A		04/10/2012 17:19	021F2101.D	3.64	13.35	
CCV 280-114993/18		04/10/2012 18:51	025F2501.D	3.64	13.35	
280-27123-9	UNK10701AA	04/10/2012 21:55	033F3301.D	3.64	13.35	
CCV 280-114993/29		04/10/2012 23:05	036F3601.D	3.64	13.35	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Sample No.: CCVRT 280-115556/1 Date Analyzed: 04/13/2012 13:49

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 003F0301.D Heated Purge: (Y/N) N

Calibration ID: 8999

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.57	12.62	
UPPER LIMIT				3.60	12.65	
LOWER LIMIT				3.54	12.59	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-115556/1		04/13/2012 13:49	003F0301.D	3.57	12.62	
CCV 280-115556/10		04/13/2012 18:04	014F1401.D	3.57	12.61	
MB 280-113965/1-A		04/13/2012 18:28	015F1501.D	3.57	12.61	
LCS 280-113965/3-A		04/13/2012 18:51	016F1601.D	3.57	12.61	
280-27123-11	032712AE	04/13/2012 19:14	017F1701.D	3.57	12.61	
CCV 280-115556/14		04/13/2012 22:19	025F2501.D	3.57	12.61	
CCV 280-115556/15		04/14/2012 04:29	041F4101.D	3.57	12.61	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA MS Lab Sample ID: 280-27123-3 MS

Instrument ID (1): GCS_W Instrument ID (2): GCS_W

Date Analyzed (1): 04/10/2012 19:14 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	4.08	3.87	4.27	86.7	62.1	
		2	4.56	4.36	4.76	73.1		
		3	5.22	5.02	5.42	55.1		
		4	5.42	5.22	5.62	58.8		
		5	7.07	6.87	7.27	36.5		
PCB-1260	1	1	8.03	7.83	8.23	55.3	39.8	
		2	8.50	8.31	8.71	34.5		
		3	8.98	8.78	9.18	29.5		
		4	10.15	9.95	10.35	41.8		
		5	10.64	10.44	10.84	37.8		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA MSD Lab Sample ID: 280-27123-3 MSD

Instrument ID (1): GCS_W Instrument ID (2): GCS_W

Date Analyzed (1): 04/10/2012 19:37 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	4.08	3.87	4.27	120	76.2	
		2	4.56	4.36	4.76	83.5		
		3	5.22	5.02	5.42	62.9		
		4	5.42	5.22	5.62	68.5		
		5	7.07	6.87	7.27	45.9		
PCB-1260	1	1	8.03	7.83	8.23	68.5	50.6	
		2	8.50	8.31	8.71	44.7		
		3	8.97	8.78	9.18	39.4		
		4	10.15	9.95	10.35	48.4		
		5	10.64	10.44	10.84	51.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA Lab Sample ID: 280-27123-9

Instrument ID (1): GCS_W Instrument ID (2): GCS_W

Date Analyzed (1): 04/10/2012 21:55 Date Analyzed (2): 04/10/2012 21:55

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	6.65	6.45	6.85	9.25	11	19.8
		3	7.72	7.52	7.92	9.36		
		4	8.50	8.31	8.71	14.7		
		5	8.98	8.78	9.18	9.90		
	2	2	7.46	7.26	7.66	9.30	13	
		4	8.92	8.72	9.12	25.3		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-113965/3-A

Instrument ID (1): GCS_W Instrument ID (2):

Date Analyzed (1): 04/13/2012 18:51 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	4.07	3.87	4.27	2.48	2.15	
		2	4.55	4.36	4.76	2.29		
		3	5.22	5.02	5.42	2.14		
		4	5.41	5.22	5.62	2.20		
		5	7.07	6.87	7.27	1.66		
PCB-1260	1	1	8.03	7.84	8.24	2.16	2.12	
		2	8.51	8.31	8.71	1.88		
		3	8.98	8.79	9.19	1.92		
		4	10.16	9.96	10.36	2.41		
		5	10.65	10.45	10.85	2.25		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-113973/3-A

Instrument ID (1): GCS_W Instrument ID (2): GCS_W

Date Analyzed (1): 04/10/2012 17:19 Date Analyzed (2): 04/10/2012 17:19

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	4.08	3.87	4.27	75.3	65.3	9.9
		2	4.56	4.36	4.76	68.1		
		3	5.22	5.02	5.42	65.2		
		4	5.42	5.22	5.62	66.8		
		5	7.08	6.87	7.27	50.9		
	2	1	4.30	4.10	4.50	76.7	72.1	
		2	5.52	5.32	5.72	70.1		
		3	5.72	5.52	5.92	68.9		
		4	6.45	6.25	6.65	68.6		
		5	6.64	6.44	6.84	76.1		
PCB-1260	1	1	8.03	7.83	8.23	68.7	69.2	2.8
		2	8.51	8.31	8.71	68.9		
		3	8.98	8.78	9.18	61.3		
		4	10.15	9.95	10.35	76.8		
		5	10.64	10.44	10.84	70.2		
	2	1	8.55	8.35	8.75	67.8	71.1	
		2	8.92	8.72	9.12	70.7		
		3	9.53	9.33	9.73	63.5		
		4	10.20	10.00	10.40	78.9		
		5	11.29	11.09	11.49	74.8		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10101AA | Lab Sample ID: 280-27123-1

Matrix: Solid | Lab File ID: 022F2201.D

Analysis Method: 8082 | Date Collected: 03/27/2012 09:55

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.5(g) | Date Analyzed: 04/10/2012 17:42

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	15	U Q	51	15	7.8
11104-28-2	PCB-1221	31	U Q	51	31	24
11141-16-5	PCB-1232	15	U Q	51	15	7.9
53469-21-9	PCB-1242	15	U Q	51	15	14
12672-29-6	PCB-1248	15	U Q	51	15	8.6
11097-69-1	PCB-1254	15	U Q	51	15	8.5
11096-82-5	PCB-1260	15	U Q	51	15	4.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	944	J Q	59-130
877-09-8	Tetrachloro-m-xylene	94		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\022F2201.D
Lab Smp Id: 280-27123-A-1-N Client Smp ID: UNK10101AA
Inj Date : 10-APR-2012 17:42
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342563,2301
Misc Info : 280-27123-A-1-N
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	30.500	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO	
5 Aroclor-1248					CAS #: 12672-29-6			
Operator disabled compound identification.								
6 Aroclor-1254					CAS #: 11097-69-1			
Operator disabled compound identification.								
7 Aroclor-1260					CAS #: 11096-82-5			
Operator disabled compound identification.								
8 Aroclor-1268					CAS #:			
Operator disabled compound identification.								
9 Aroclor-1262					CAS #:			
Operator disabled compound identification.								
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8			
3.580	3.580	0.000	76484	18.7340	6.1423			
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3			
12.593	12.600	-0.007	829667	188.738	61.88			(R)

QC Flag Legend

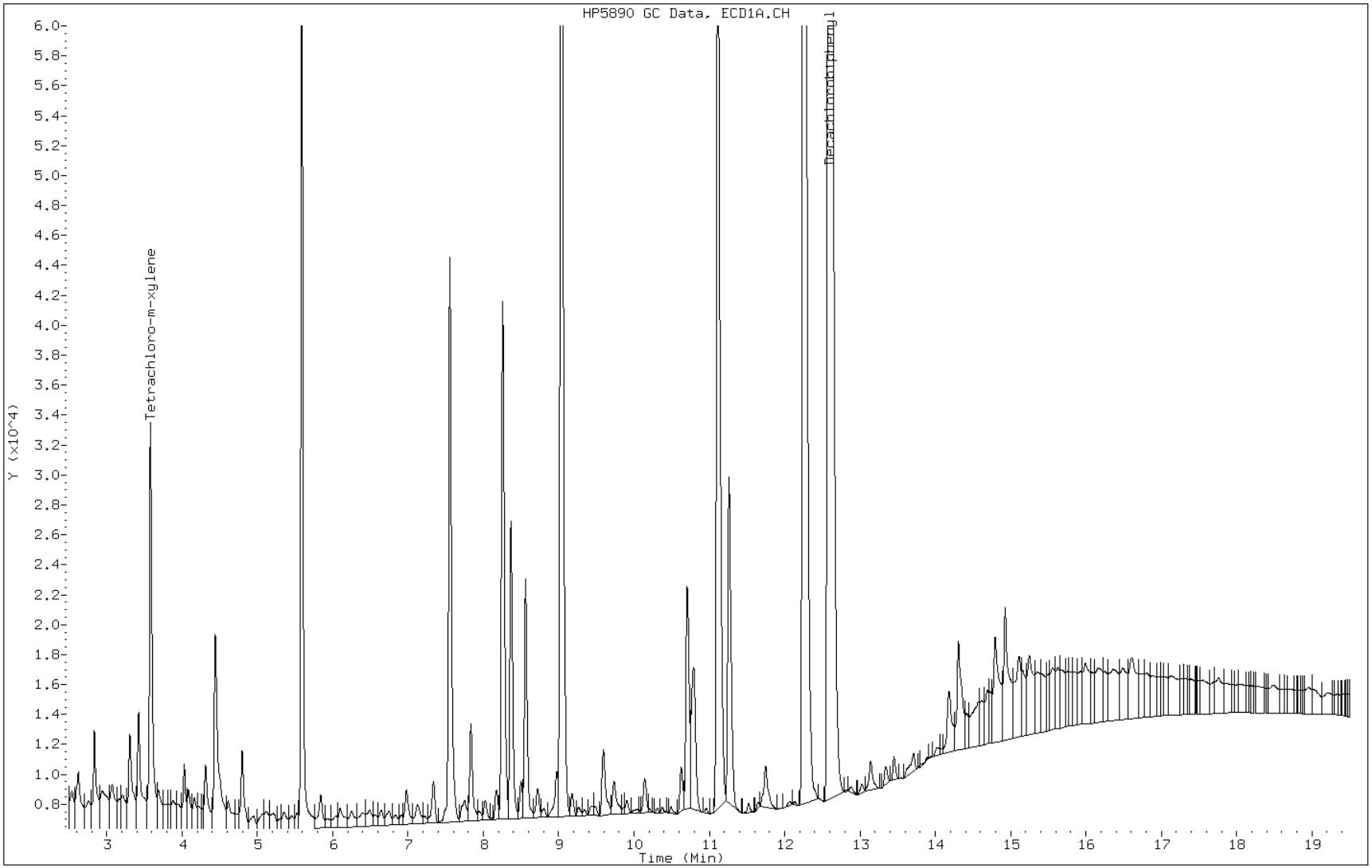
R - Spike/Surrogate failed recovery limits.

Data File: 022F2201.D

Date: 10-APR-2012 17:42

Client ID: UNK10101AA Instrument: GC_W.i

Sample Info: 280-1342563,2301 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10201AA | Lab Sample ID: 280-27123-2

Matrix: Solid | Lab File ID: 023F2301.D

Analysis Method: 8082 | Date Collected: 03/27/2012 10:20

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.1(g) | Date Analyzed: 04/10/2012 18:05

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 40.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	16	U Q	52	16	8.0
11104-28-2	PCB-1221	31	U Q	52	31	24
11141-16-5	PCB-1232	16	U Q	52	16	8.0
53469-21-9	PCB-1242	16	U Q	52	16	14
12672-29-6	PCB-1248	16	U Q	52	16	8.8
11097-69-1	PCB-1254	16	U Q	52	16	8.7
11096-82-5	PCB-1260	16	U Q	52	16	4.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	274	J Q	59-130
877-09-8	Tetrachloro-m-xylene	74		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\023F2301.D
Lab Smp Id: 280-27123-A-2-F Client Smp ID: UNK10201AA
Inj Date : 10-APR-2012 18:05
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342564,2302
Misc Info : 280-27123-A-2-F
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	32.100	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO	
5 Aroclor-1248					CAS #: 12672-29-6			
Operator disabled compound identification.								
6 Aroclor-1254					CAS #: 11097-69-1			
Operator disabled compound identification.								
7 Aroclor-1260					CAS #: 11096-82-5			
Operator disabled compound identification.								
8 Aroclor-1268					CAS #:			
Operator disabled compound identification.								
9 Aroclor-1262					CAS #:			
Operator disabled compound identification.								
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8			
3.580	3.580	0.000	60821	14.7965	4.6095			
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3			
12.593	12.600	-0.007	243313	54.7325	17.05			(R)

QC Flag Legend

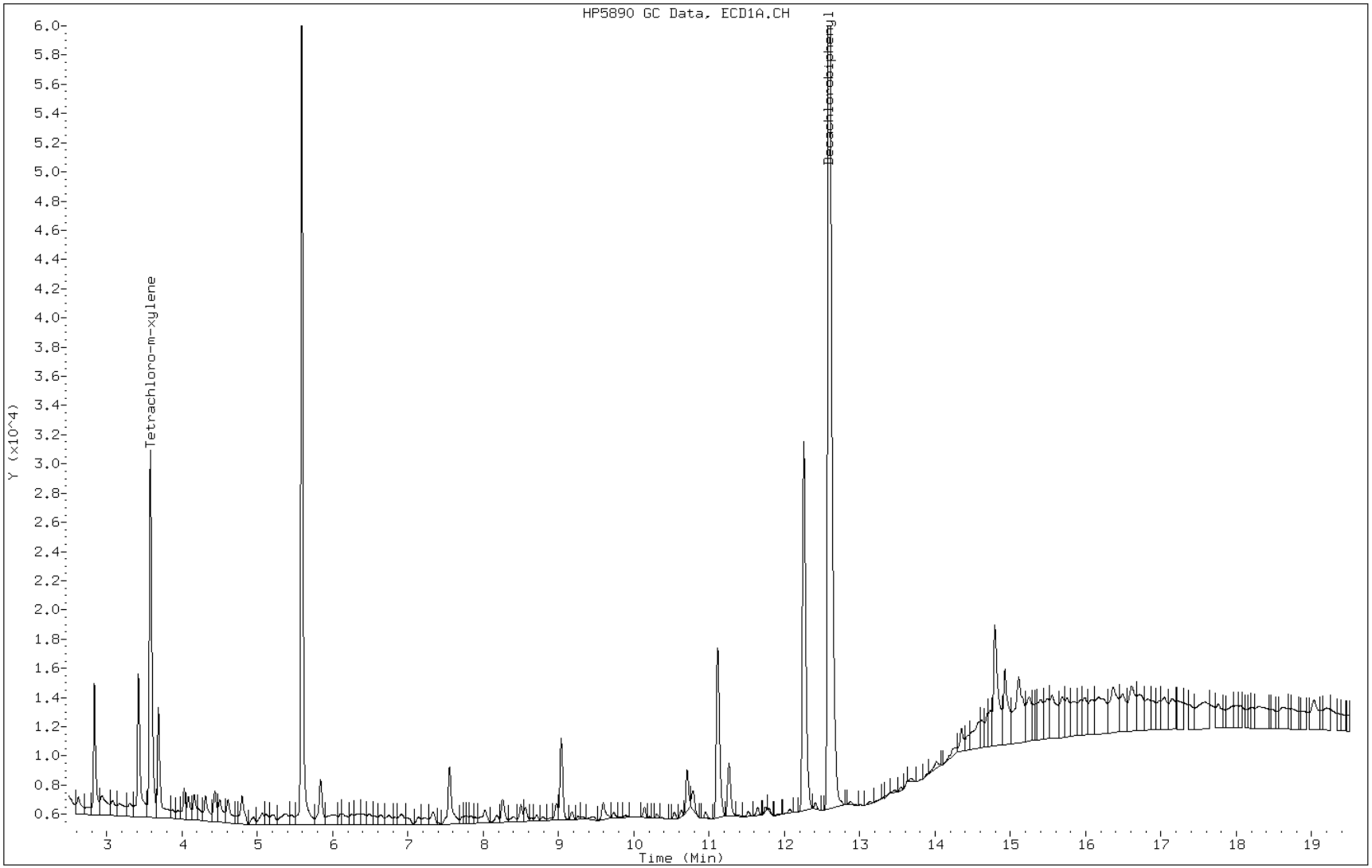
R - Spike/Surrogate failed recovery limits.

Data File: 023F2301.D

Date: 10-APR-2012 18:05

Client ID: UNK10201AA Instrument: GC_W.i

Sample Info: 280-1342564,2302 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA | Lab Sample ID: 280-27123-3

Matrix: Solid | Lab File ID: 024F2401.D

Analysis Method: 8082 | Date Collected: 03/27/2012 10:45

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.2(g) | Date Analyzed: 04/10/2012 18:28

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	14	U Q	48	14	7.3
11104-28-2	PCB-1221	29	U Q	48	29	22
11141-16-5	PCB-1232	14	U Q	48	14	7.4
53469-21-9	PCB-1242	14	U Q	48	14	13
12672-29-6	PCB-1248	14	U Q	48	14	8.1
11097-69-1	PCB-1254	14	U Q	48	14	7.9
11096-82-5	PCB-1260	14	U Q J	48	14	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	38	Q	59-130
877-09-8	Tetrachloro-m-xylene	60		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\024F2401.D
Lab Smp Id: 280-27123-A-3-H Client Smp ID: UNK10301AA
Inj Date : 10-APR-2012 18:28
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342567,2303
Misc Info : 280-27123-A-3-H
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	32.200	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO

5 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

6 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

7 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

---

8 Aroclor-1268 CAS #:

Operator disabled compound identification.

---

9 Aroclor-1262 CAS #:

Operator disabled compound identification.

$ 12 Tetrachloro-m-xylene						CAS #: 877-09-8	
3.580	3.580	0.000	49521	11.9559	3.7130		

$ 13 Decachlorobiphenyl						CAS #: 2051-24-3	
12.600	12.600	0.000	36732	7.52022	2.3355		(R)

QC Flag Legend

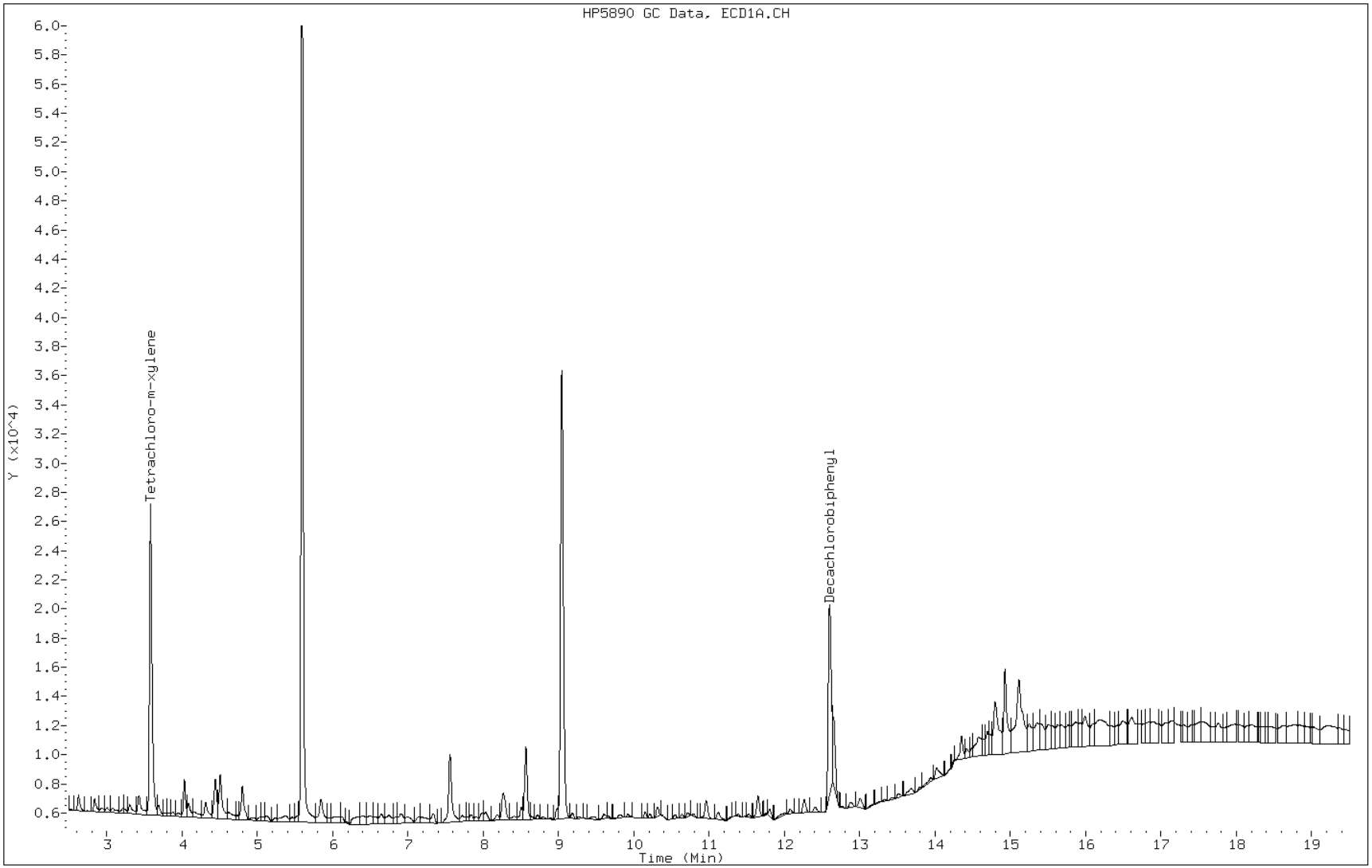
R - Spike/Surrogate failed recovery limits.

Data File: 024F2401.D

Date: 10-APR-2012 18:28

Client ID: UNK10301AA Instrument: GC_W.i

Sample Info: 280-1342567,2303 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10401AA Lab Sample ID: 280-27123-4

Matrix: Solid Lab File ID: 028F2801.D

Analysis Method: 8082 Date Collected: 03/27/2012 11:20

Extraction Method: 3546 Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.6(g) Date Analyzed: 04/10/2012 20:00

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP1 ID: 0.32(mm)

% Moisture: 32.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	14	U Q	48	14	7.4
11104-28-2	PCB-1221	29	U Q	48	29	23
11141-16-5	PCB-1232	14	U Q	48	14	7.4
53469-21-9	PCB-1242	14	U Q	48	14	13
12672-29-6	PCB-1248	14	U Q	48	14	8.1
11097-69-1	PCB-1254	14	U Q	48	14	8.0
11096-82-5	PCB-1260	14	U Q	48	14	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	49	Q	59-130
877-09-8	Tetrachloro-m-xylene	70		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\028F2801.D
Lab Smp Id: 280-27123-A-4-F Client Smp ID: UNK10401AA
Inj Date : 10-APR-2012 20:00
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342570,2304
Misc Info : 280-27123-A-4-F
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	30.600	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO

5 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

6 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

7 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

---

8 Aroclor-1268 CAS #:

Operator disabled compound identification.

---

9 Aroclor-1262 CAS #:

Operator disabled compound identification.

$ 12 Tetrachloro-m-xylene						CAS #: 877-09-8	
3.583	3.580	0.003	57413	13.9398	4.5555		
$ 13 Decachlorobiphenyl						CAS #: 2051-24-3	
12.600	12.600	0.000	47033	9.87442	3.2269		(R)

QC Flag Legend

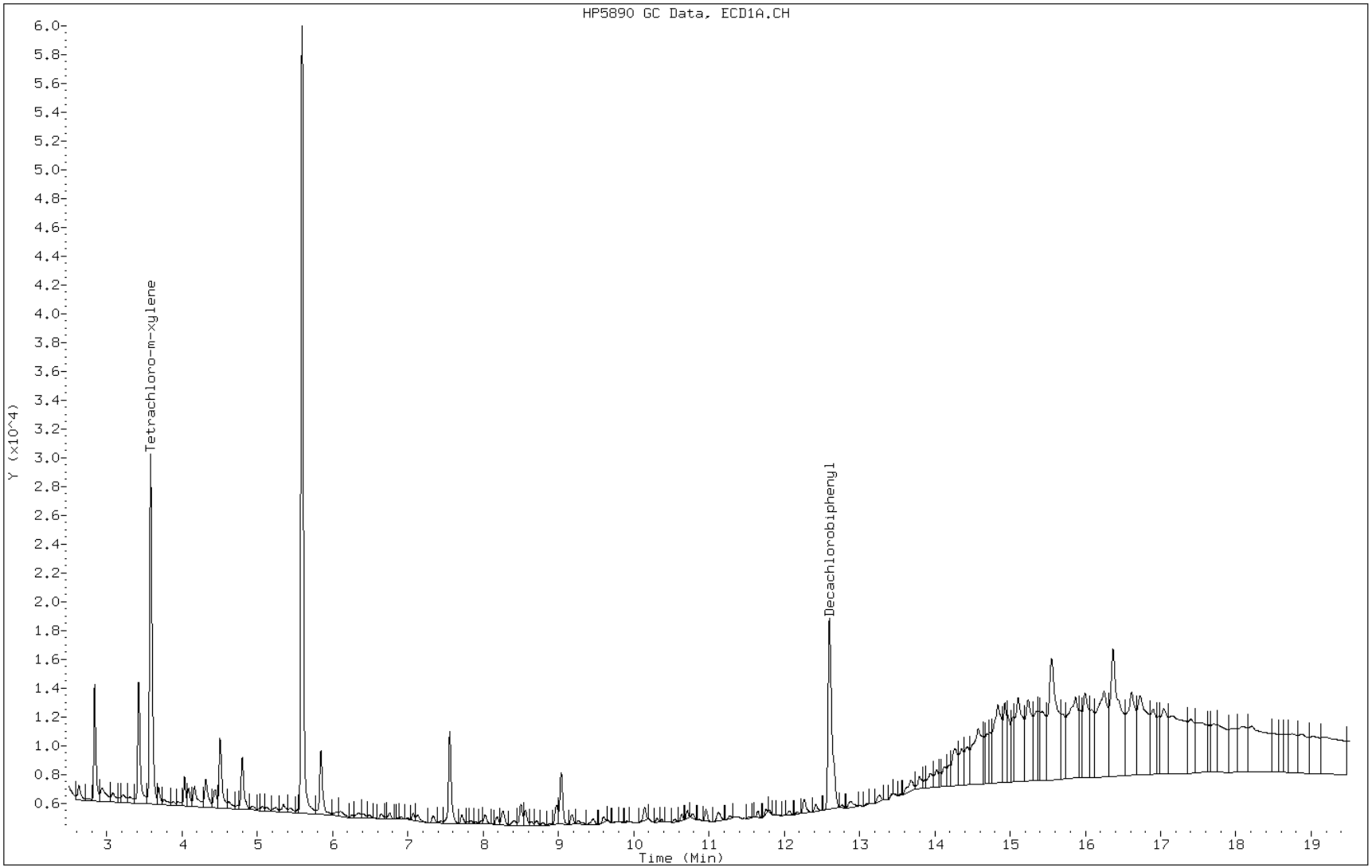
R - Spike/Surrogate failed recovery limits.

Data File: 028F2801.D

Date: 10-APR-2012 20:00

Client ID: UNK10401AA Instrument: GC_W.i

Sample Info: 280-1342570,2304 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10501AA | Lab Sample ID: 280-27123-5

Matrix: Solid | Lab File ID: 029F2901.D

Analysis Method: 8082 | Date Collected: 03/27/2012 11:50

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.1(g) | Date Analyzed: 04/10/2012 20:23

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 36.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	15	U Q	48	15	7.4
11104-28-2	PCB-1221	29	U Q	48	29	23
11141-16-5	PCB-1232	15	U Q	48	15	7.5
53469-21-9	PCB-1242	15	U Q	48	15	13
12672-29-6	PCB-1248	15	U Q	48	15	8.2
11097-69-1	PCB-1254	15	U Q	48	15	8.1
11096-82-5	PCB-1260	15	U Q	48	15	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	37	Q	59-130
877-09-8	Tetrachloro-m-xylene	55		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\029F2901.D
Lab Smp Id: 280-27123-A-5-F Client Smp ID: UNK10501AA
Inj Date : 10-APR-2012 20:23
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342571,2305
Misc Info : 280-27123-A-5-F
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	32.100	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO	
5 Aroclor-1248					CAS #: 12672-29-6			
Operator disabled compound identification.								
6 Aroclor-1254					CAS #: 11097-69-1			
Operator disabled compound identification.								
7 Aroclor-1260					CAS #: 11096-82-5			
Operator disabled compound identification.								
8 Aroclor-1268					CAS #:			
Operator disabled compound identification.								
9 Aroclor-1262					CAS #:			
Operator disabled compound identification.								
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8			
3.580	3.580	0.000	45802	11.0210	3.4333			
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3			
12.603	12.600	0.003	36115	7.37921	2.2988			(R)

QC Flag Legend

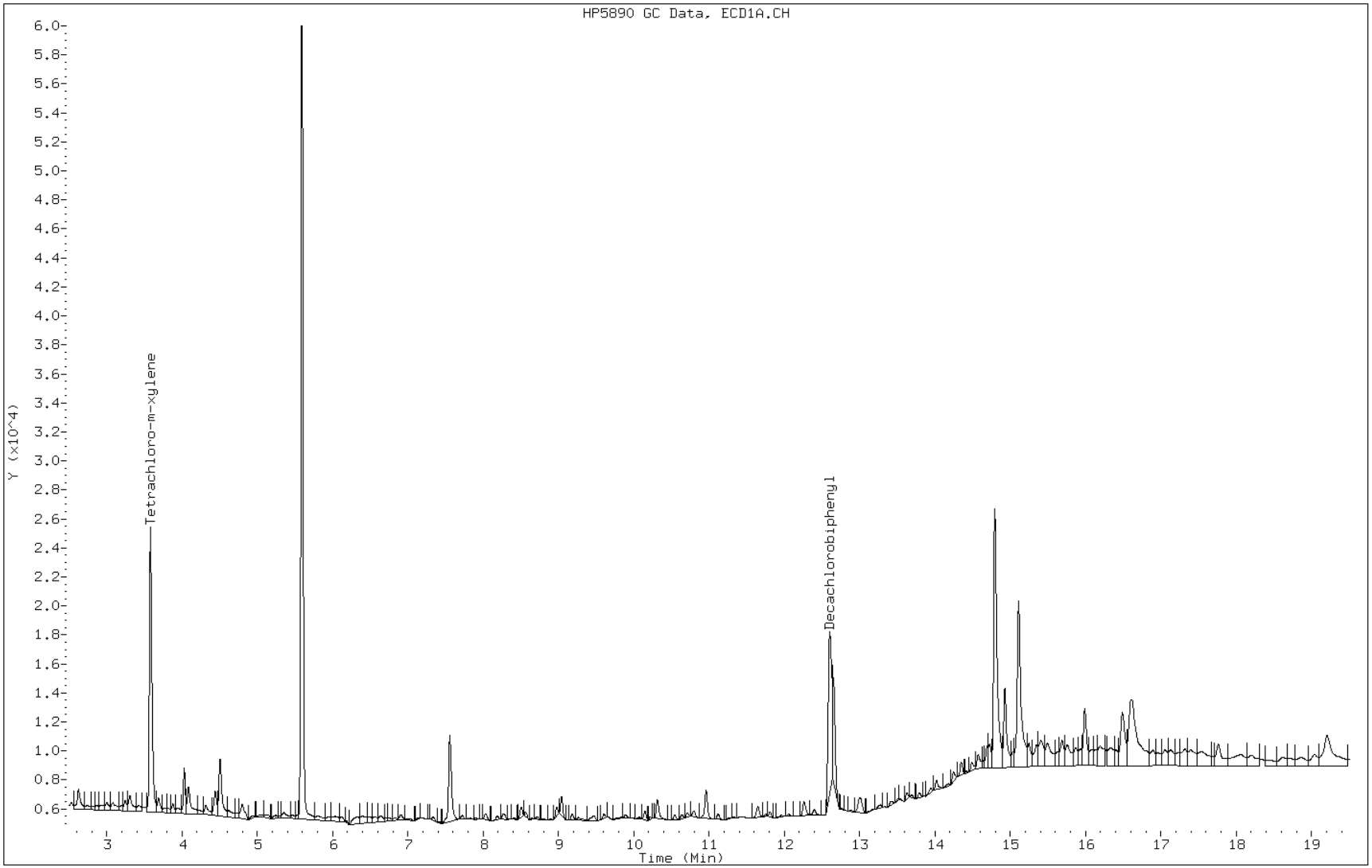
R - Spike/Surrogate failed recovery limits.

Data File: 029F2901.D

Date: 10-APR-2012 20:23

Client ID: UNK10501AA Instrument: GC_W.i

Sample Info: 280-1342571,2305 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10502AA | Lab Sample ID: 280-27123-6

Matrix: Solid | Lab File ID: 030F3001.D

Analysis Method: 8082 | Date Collected: 03/27/2012 12:00

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.8(g) | Date Analyzed: 04/10/2012 20:46

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	11	U	36	11	5.6
11104-28-2	PCB-1221	22	U	36	22	17
11141-16-5	PCB-1232	11	U	36	11	5.6
53469-21-9	PCB-1242	11	U	36	11	10
12672-29-6	PCB-1248	11	U	36	11	6.2
11097-69-1	PCB-1254	11	U	36	11	6.1
11096-82-5	PCB-1260	11	U	36	11	2.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	65		59-130
877-09-8	Tetrachloro-m-xylene	79		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\030F3001.D
Lab Smp Id: 280-27123-A-6-F Client Smp ID: UNK10502AA
Inj Date : 10-APR-2012 20:46
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342572,2306
Misc Info : 280-27123-A-6-F
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	32.800	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO

5 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

6 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

7 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

---

8 Aroclor-1268 CAS #:

Operator disabled compound identification.

---

9 Aroclor-1262 CAS #:

Operator disabled compound identification.

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.580	3.580	0.000	65150	15.8848	4.8429		

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

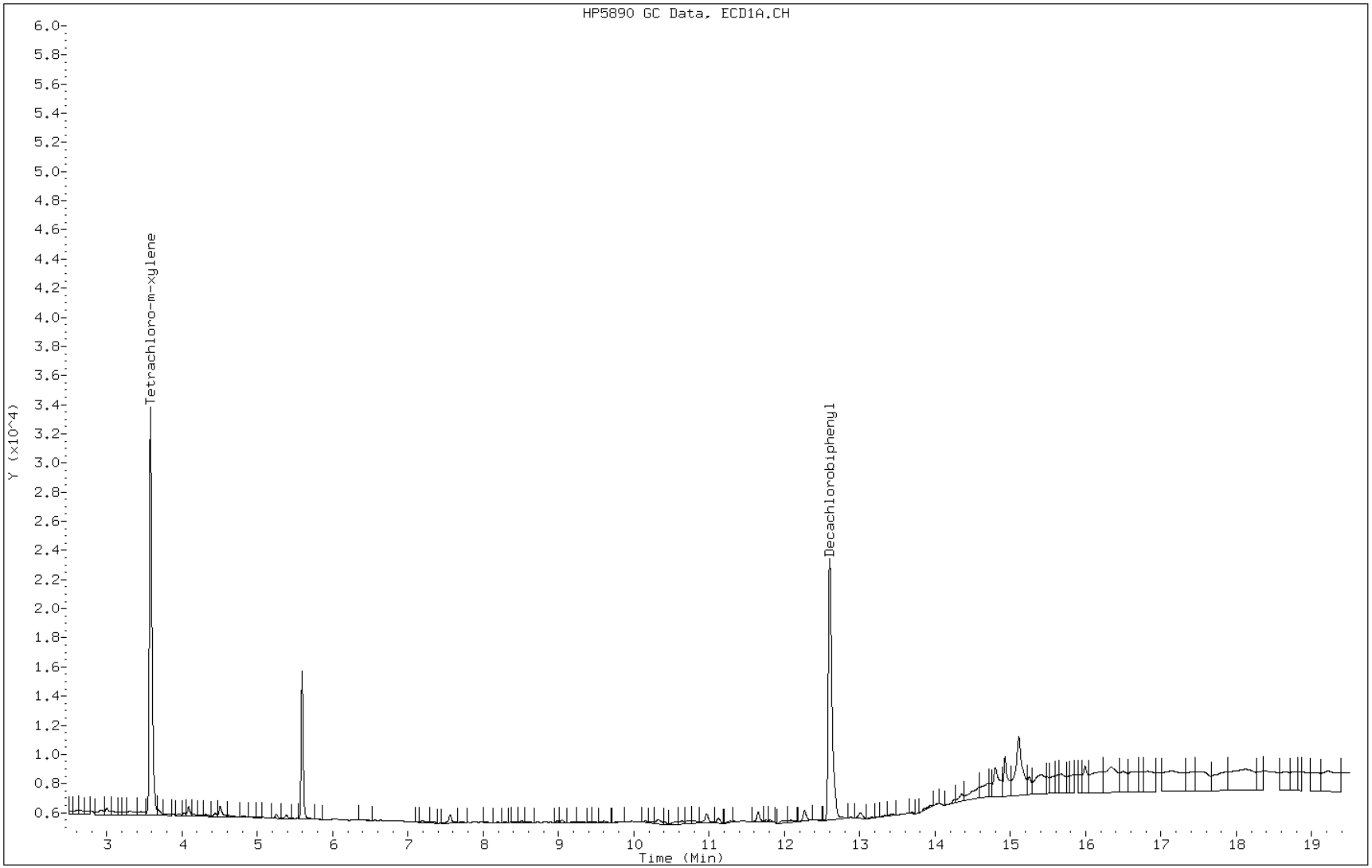
12.600	12.600	0.000	61132	13.0966	3.9929		

Data File: 030F3001.D

Date: 10-APR-2012 20:46

Client ID: UNK10502AA Instrument: GC_W.i

Sample Info: 280-1342572,2306 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10601AA | Lab Sample ID: 280-27123-7

Matrix: Solid | Lab File ID: 031F3101.D

Analysis Method: 8082 | Date Collected: 03/27/2012 12:15

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.4(g) | Date Analyzed: 04/10/2012 21:09

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	15	U	49	15	7.5
11104-28-2	PCB-1221	30	U	49	30	23
11141-16-5	PCB-1232	15	U	49	15	7.6
53469-21-9	PCB-1242	15	U	49	15	13
12672-29-6	PCB-1248	15	U	49	15	8.3
11097-69-1	PCB-1254	15	U	49	15	8.1
11096-82-5	PCB-1260	15	U	49	15	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	81		59-130
877-09-8	Tetrachloro-m-xylene	62		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\031F3101.D
Lab Smp Id: 280-27123-A-7-F Client Smp ID: UNK10601AA
Inj Date : 10-APR-2012 21:09
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342573,2307
Misc Info : 280-27123-A-7-F
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	31.400	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO

5 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

6 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

7 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

---

8 Aroclor-1268 CAS #:

Operator disabled compound identification.

---

9 Aroclor-1262 CAS #:

Operator disabled compound identification.

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.583	3.580	0.003	51632	12.4865	3.9766		

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

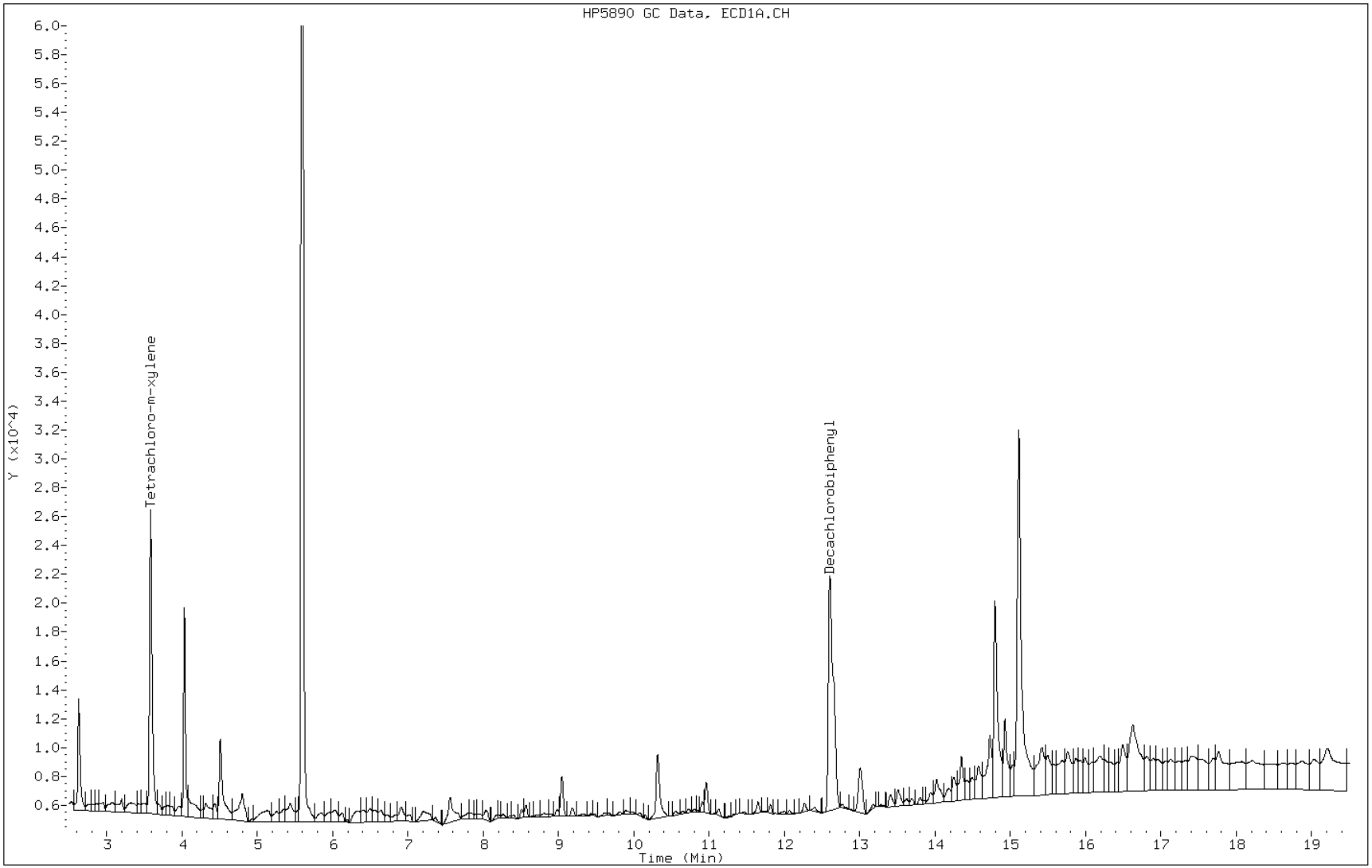
12.603	12.600	0.003	74519	16.1561	5.1452		

Data File: 031F3101.D

Date: 10-APR-2012 21:09

Client ID: UNK10601AA Instrument: GC_W.i

Sample Info: 280-1342573,2307 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10602AA | Lab Sample ID: 280-27123-8

Matrix: Solid | Lab File ID: 032F3201.D

Analysis Method: 8082 | Date Collected: 03/27/2012 12:45

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.6(g) | Date Analyzed: 04/10/2012 21:32

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	11	U	36	11	5.6
11104-28-2	PCB-1221	22	U	36	22	17
11141-16-5	PCB-1232	11	U	36	11	5.7
53469-21-9	PCB-1242	11	U	36	11	10
12672-29-6	PCB-1248	11	U	36	11	6.2
11097-69-1	PCB-1254	11	U	36	11	6.1
11096-82-5	PCB-1260	11	U	36	11	2.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	70		59-130
877-09-8	Tetrachloro-m-xylene	82		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\032F3201.D
Lab Smp Id: 280-27123-A-8-F Client Smp ID: UNK10602AA
Inj Date : 10-APR-2012 21:32
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342574,2308
Misc Info : 280-27123-A-8-F
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 32
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	31.600	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO

5 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

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6 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

7 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

---

8 Aroclor-1268 CAS #:

Operator disabled compound identification.

---

9 Aroclor-1262 CAS #:

Operator disabled compound identification.

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.580	3.580	0.000	66832	16.3076	5.1606		

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

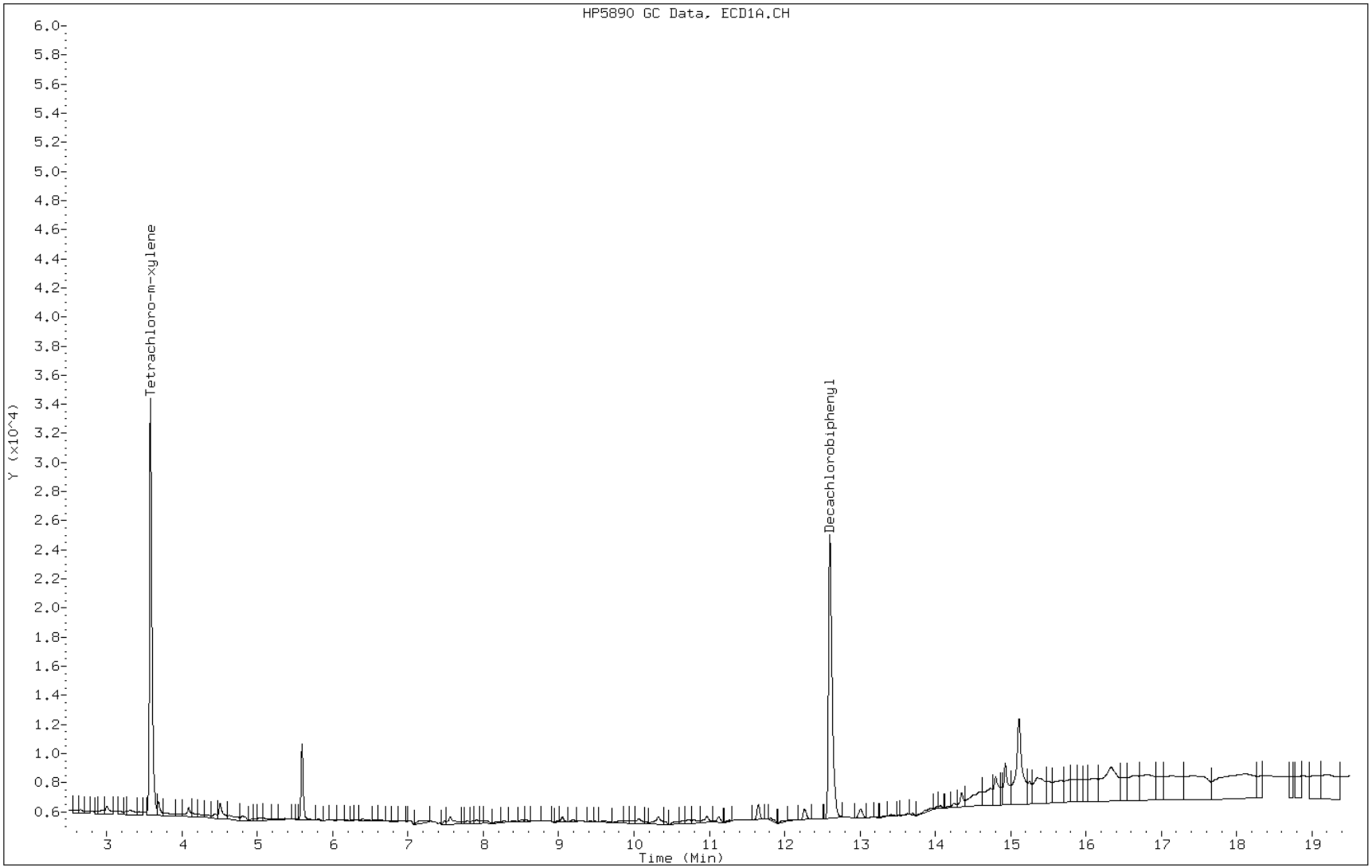
12.600	12.600	0.000	64700	13.9121	4.4025		

Data File: 032F3201.D

Date: 10-APR-2012 21:32

Client ID: UNK10602AA Instrument: GC_W.i

Sample Info: 280-1342574,2308 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA | Lab Sample ID: 280-27123-9

Matrix: Solid | Lab File ID: 033F3301.D

Analysis Method: 8082 | Date Collected: 03/27/2012 12:55

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.6(g) | Date Analyzed: 04/10/2012 21:55

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 29.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	14	U Q	46	14	7.1
11104-28-2	PCB-1221	28	U Q	46	28	22
11141-16-5	PCB-1232	14	U Q	46	14	7.1
53469-21-9	PCB-1242	14	U Q	46	14	13
12672-29-6	PCB-1248	14	U Q	46	14	7.8
11097-69-1	PCB-1254	11	J Q	46	14	7.7
11096-82-5	PCB-1260	14	U Q	46	14	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	49	Q	59-130
877-09-8	Tetrachloro-m-xylene	70		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\033F3301.D
Lab Smp Id: 280-27123-A-9-F Client Smp ID: UNK10701AA
Inj Date : 10-APR-2012 21:55
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342575,2309
Misc Info : 280-27123-A-9-F
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	30.600	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
Operator disabled compound identification.							
6 Aroclor-1254					CAS #: 11097-69-1		
6.646	6.646	0.000	6293	19.9235	6.5109	50.00- 150.00	100.00(a)
7.520	7.520	0.000	0	0.00000	0.00000	11.81- 35.43	0.00
7.716	7.723	-0.007	8424	20.1492	6.5847	38.91- 116.75	133.86
8.503	8.510	-0.007	10653	31.6472	10.34	305.32- 915.96	169.28
8.976	8.983	-0.007	9872	21.3134	6.9652	12.43- 37.29	156.87
Average of Peak Concentrations = 7.6008							
7 Aroclor-1260					CAS #: 11096-82-5		
8.030	8.030	0.000	7127	10.7339	3.5078	50.00- 150.00	100.00
8.503	8.506	-0.003	10653	6.79032	2.2190	79.28- 237.84	149.47
8.976	8.976	0.000	9872	12.4112	4.0559	38.87- 116.60	138.52
10.146	10.150	-0.004	6791	2.31080	0.75516	40.33- 120.99	95.29
10.636	10.640	-0.004	3708	6.92471	2.2630	22.45- 67.34	52.03
Average of Peak Concentrations = 2.5602							
8 Aroclor-1268					CAS #:		
Operator disabled compound identification.							
9 Aroclor-1262					CAS #:		
Operator disabled compound identification.							
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.580	3.580	0.000	57409	13.9388	4.5552		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.596	12.600	-0.004	47054	9.87922	3.2285		(R)

QC Flag Legend

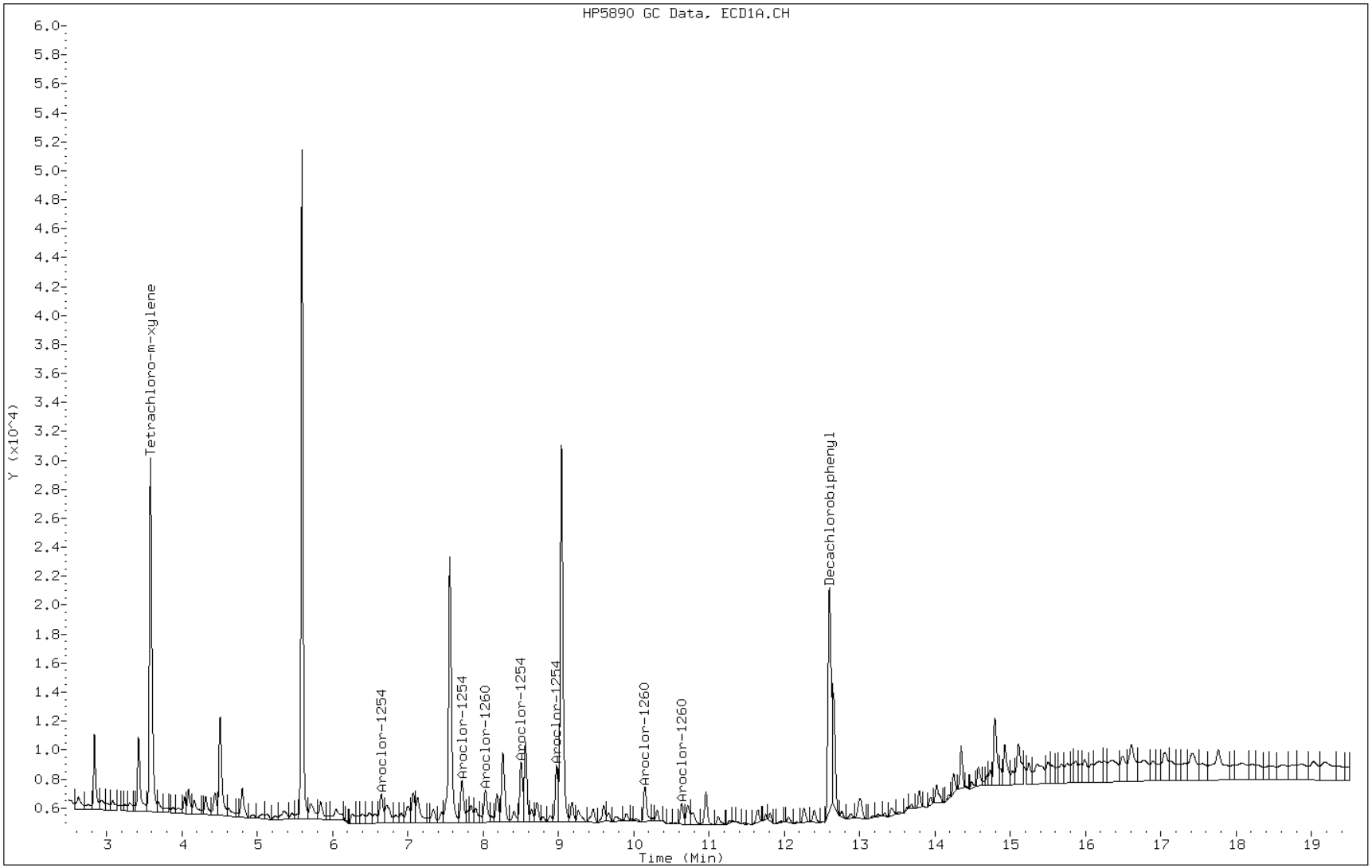
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 033F3301.D

Date: 10-APR-2012 21:55

Client ID: UNK10701AA Instrument: GC_W.i

Sample Info: 280-1342575,2309 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10701AA Lab Sample ID: 280-27123-9

Matrix: Solid Lab File ID: 033F3301.D

Analysis Method: 8082 Date Collected: 03/27/2012 12:55

Extraction Method: 3546 Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.6(g) Date Analyzed: 04/10/2012 21:55

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 29.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	54	Q	59-130
877-09-8	Tetrachloro-m-xylene	71		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\033F3301.D
Lab Smp Id: 280-27123-A-9-F Client Smp ID: UNK10701AA
Inj Date : 10-APR-2012 21:55
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342575,2309
Misc Info : 280-27123-A-9-F
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\8082W-2.m
Meth Date : 11-Apr-2012 12:13 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	30.600	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO	
5 Aroclor-1248					CAS #: 12672-29-6			
Operator disabled compound identification.								
6 Aroclor-1254					CAS #: 11097-69-1			
7.130	7.130	0.000	0	0.00000	0.00000	80.00- 120.00	0.00	(a)
7.456	7.456	0.000	6259	20.0230	6.5435	57.99- 173.98	9.34	
8.213	8.213	0.000	6039	10.5375	3.4436	71.94- 215.81	9.01	
8.920	8.923	-0.003	7203	54.5548	17.83	37.01- 111.04	10.75	
9.530	9.530	0.000	0	0.00000	0.00000	77.19- 231.58	0.00	
Average of Peak Concentrations = 9.2718								
7 Aroclor-1260					CAS #: 11096-82-5			
8.550	8.546	0.004	4724	5.23945	1.7122	50.00- 150.00	100.00	
8.920	8.923	-0.003	7203	17.2079	5.6235	54.39- 163.17	152.48	
9.526	9.526	0.000	0	0.00000	0.00000	32.96- 98.87	0.00	
10.196	10.196	0.000	2265			65.36- 196.07	47.95	
11.290	11.293	-0.003	4945	12.2520	4.0039	16.03- 48.08	104.68	
Average of Peak Concentrations = 3.7799								
8 Aroclor-1268					CAS #:			
Operator disabled compound identification.								
9 Aroclor-1262					CAS #:			
Operator disabled compound identification.								
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8			
3.640	3.640	0.000	44227	14.1600	4.6275			
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3			
13.353	13.350	0.003	34968	10.7262	3.5053			(R)

QC Flag Legend

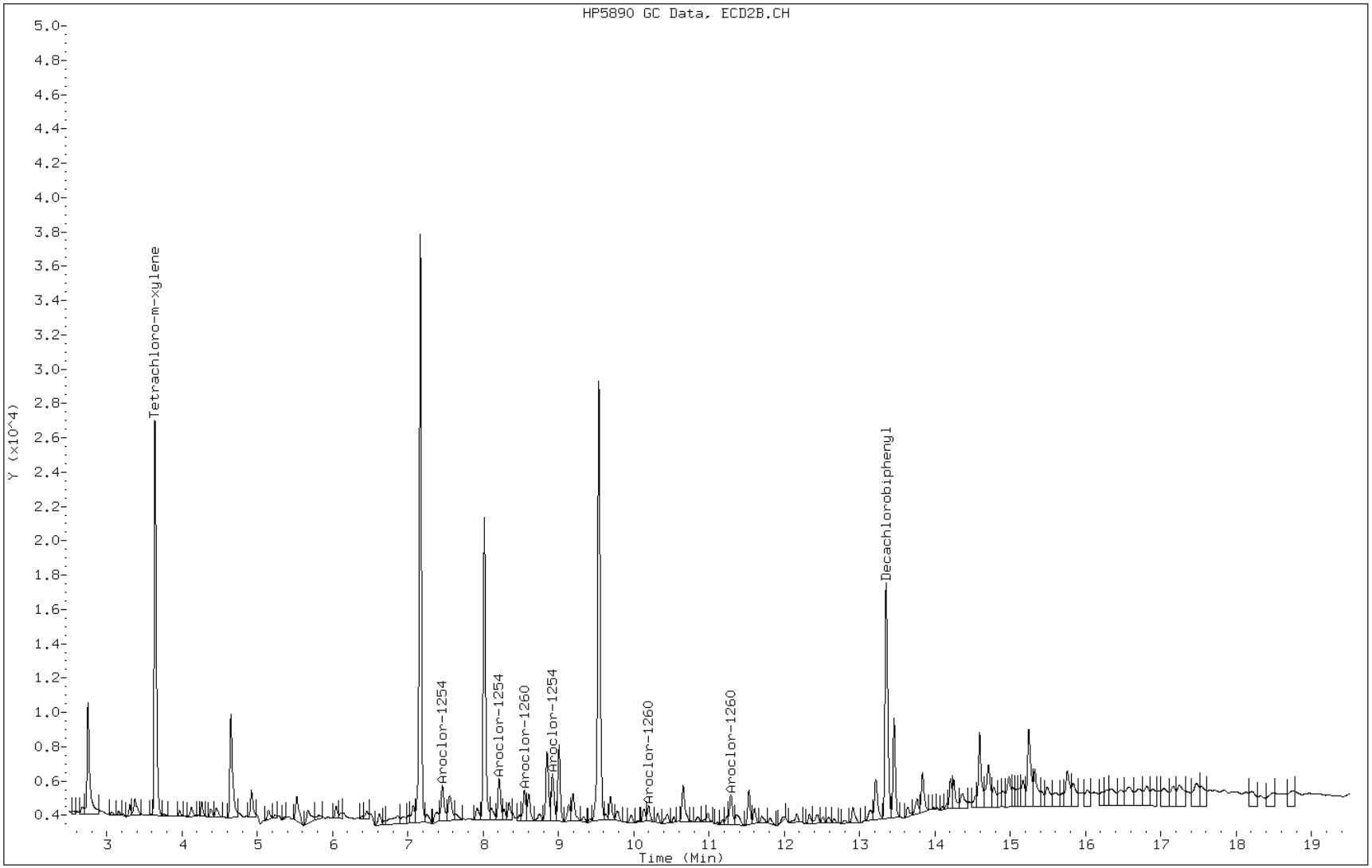
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: 033F3301.D

Date: 10-APR-2012 21:55

Client ID: UNK10701AA Instrument: GC_W.i

Sample Info: 280-1342575,2309 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10702AA | Lab Sample ID: 280-27123-10

Matrix: Solid | Lab File ID: 034F3401.D

Analysis Method: 8082 | Date Collected: 03/27/2012 13:15

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.2(g) | Date Analyzed: 04/10/2012 22:19

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 22.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	13	U Q	42	13	6.5
11104-28-2	PCB-1221	26	U Q	42	26	20
11141-16-5	PCB-1232	13	U Q	42	13	6.5
53469-21-9	PCB-1242	13	U Q	42	13	12
12672-29-6	PCB-1248	13	U Q	42	13	7.2
11097-69-1	PCB-1254	13	U Q	42	13	7.0
11096-82-5	PCB-1260	13	U Q	42	13	3.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	46	Q	59-130
877-09-8	Tetrachloro-m-xylene	67		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\034F3401.D
Lab Smp Id: 280-27123-A-10-F Client Smp ID: UNK10702AA
Inj Date : 10-APR-2012 22:19
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342576,2310
Misc Info : 280-27123-A-10-F
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 34
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	30.200	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO	
5 Aroclor-1248					CAS #: 12672-29-6			
Operator disabled compound identification.								
6 Aroclor-1254					CAS #: 11097-69-1			
Operator disabled compound identification.								
7 Aroclor-1260					CAS #: 11096-82-5			
Operator disabled compound identification.								
8 Aroclor-1268					CAS #:			
Operator disabled compound identification.								
9 Aroclor-1262					CAS #:			
Operator disabled compound identification.								
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8			
3.580	3.580	0.000	55313	13.4119	4.4410			
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3			
12.600	12.600	0.000	43747	9.12343	3.0210			(R)

QC Flag Legend

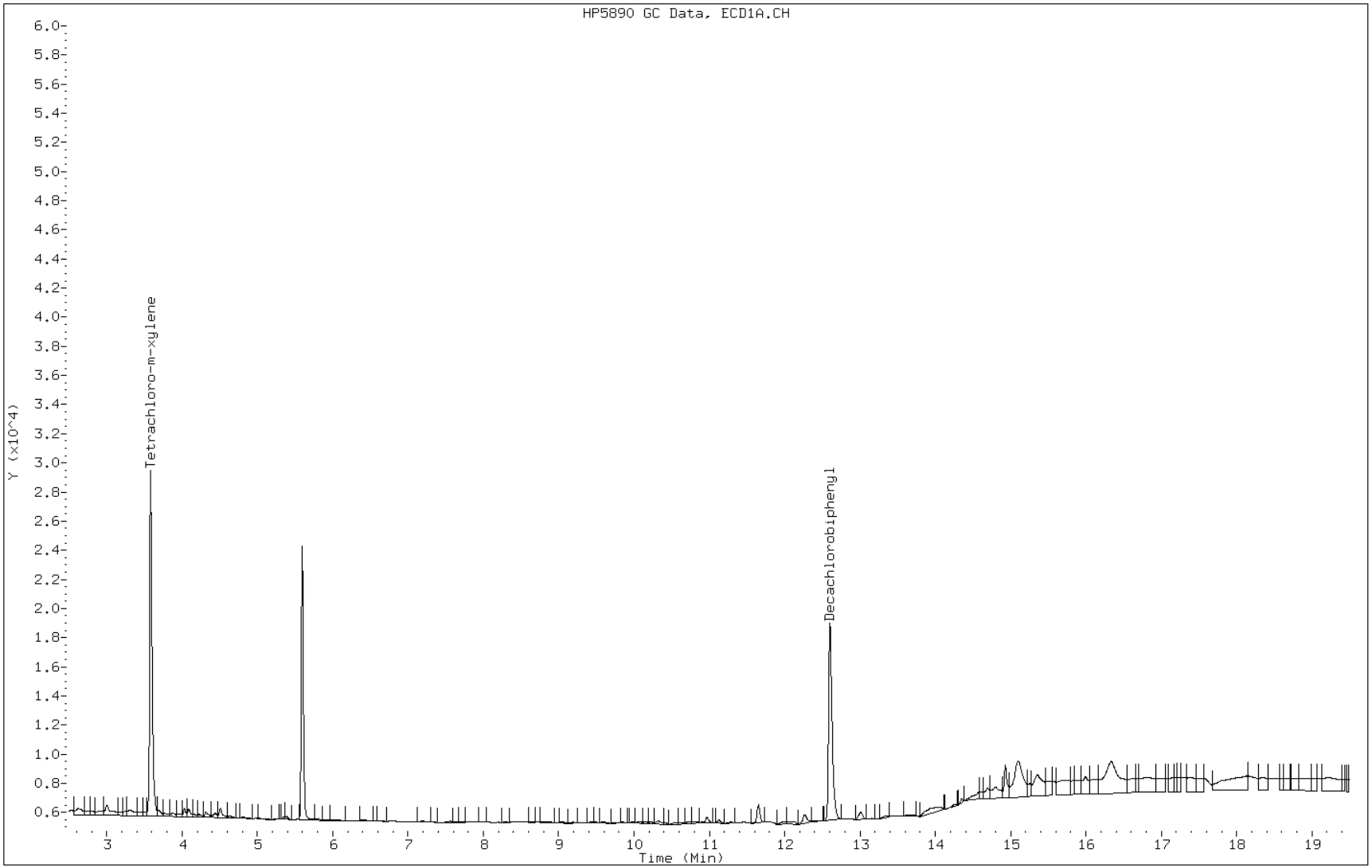
R - Spike/Surrogate failed recovery limits.

Data File: 034F3401.D

Date: 10-APR-2012 22:19

Client ID: UNK10702AA Instrument: GC_W.i

Sample Info: 280-1342576,2310 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: 032712AE | Lab Sample ID: 280-27123-11

Matrix: Water | Lab File ID: 017F1701.D

Analysis Method: 8082 | Date Collected: 03/27/2012 14:10

Extraction Method: 3510C | Date Extracted: 04/02/2012 17:50

Sample wt/vol: 1037.4(mL) | Date Analyzed: 04/13/2012 19:14

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 115556 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	0.29	U	0.96	0.29	0.12
11104-28-2	PCB-1221	0.29	U	0.96	0.29	0.21
11141-16-5	PCB-1232	0.39	U	0.96	0.39	0.16
53469-21-9	PCB-1242	0.29	U	0.96	0.29	0.10
12672-29-6	PCB-1248	0.19	U	0.96	0.19	0.088
11097-69-1	PCB-1254	0.29	U	0.96	0.29	0.11
11096-82-5	PCB-1260	0.29	U	0.96	0.29	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		40-135
877-09-8	Tetrachloro-m-xylene	93		25-120

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\017F1701.D
Lab Smp Id: 280-27123-C-11-A Client Smp ID: 032712AE
Inj Date : 13-APR-2012 19:14
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342460,2311
Misc Info : 280-27123-C-11-A
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\8082W-1.m
Meth Date : 16-Apr-2012 07:59 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Vs) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume of Extract (uL)
Vs	1037.400	Volume of Sample Extracted (mL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/L)	TARGET RANGE	RATIO

5 Aroclor-1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 Aroclor-1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

---

7 Aroclor-1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

---

8 Aroclor-1268 CAS #:

Operator disabled compound identification.

---

9 Aroclor-1262 CAS #:

Peaks not detected for Quant. or Qual. signal(s).

$ 12 Tetrachloro-m-xylene						CAS #: 877-09-8	
3.570	3.570	0.000	75602	18.5123	0.17845		

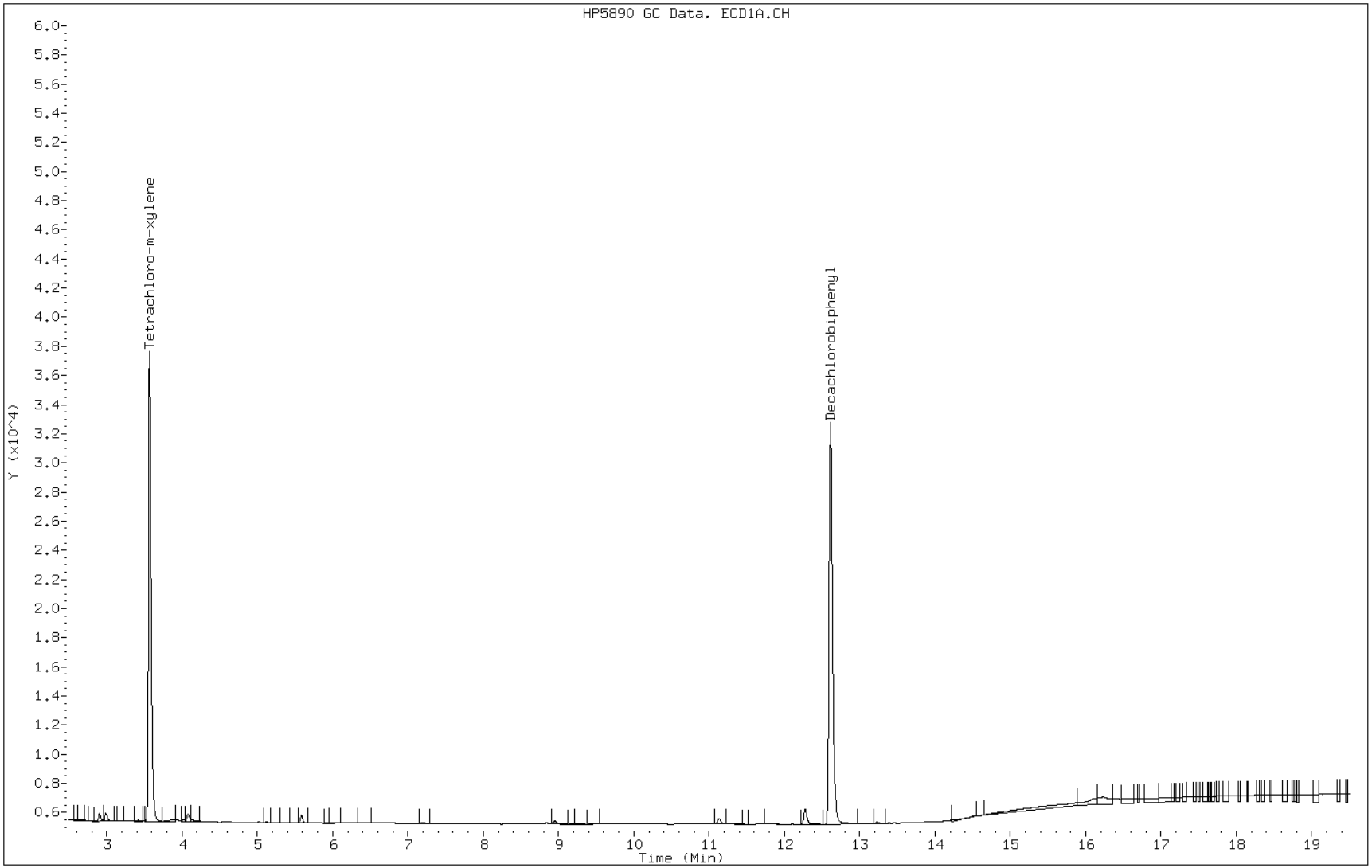
$ 13 Decachlorobiphenyl						CAS #: 2051-24-3	
12.610	12.616	-0.006	89041	19.4750	0.18773		

Data File: 017F1701.D

Date: 13-APR-2012 19:14

Client ID: 032712AE Instrument: GC_W.i

Sample Info: 280-1342460,2311 Operator: JAX



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 14:10 Calibration End Date: 04/07/2012 16:29 Calibration ID: 8997

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/7	007F0701.D
Level 2	IC 280-114734/6	006F0601.D
Level 3	IC 280-114734/5	005F0501.D
Level 4	IC 280-114734/4	004F0401.D
Level 5	IC 280-114734/3	003F0301.D
Level 6	IC 280-114734/2	002F0201.D
Level 7	IC 280-114734/1	001F0101.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1248 Peak 1	4.560	4.563	4.560	4.560	4.560	4.560	4.590				4.360 - 4.760	4.565
PCB-1248 Peak 2	5.220	5.223	5.220	5.220	5.220	5.220	5.253				5.020 - 5.420	5.225
PCB-1248 Peak 3	6.047	6.047	6.047	6.043	6.043	6.043	6.077				5.843 - 6.243	6.050
PCB-1248 Peak 4	7.723	7.727	7.723	7.720	7.720	7.723	7.753				7.520 - 7.920	7.727
PCB-1248 Peak 5	8.197	8.197	8.193	8.190	8.190	8.190	8.220				7.990 - 8.390	8.197

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 14:10 Calibration End Date: 04/07/2012 16:29 Calibration ID: 8997

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/7	007F0701.D
Level 2	IC 280-114734/6	006F0601.D
Level 3	IC 280-114734/5	005F0501.D
Level 4	IC 280-114734/4	004F0401.D
Level 5	IC 280-114734/3	003F0301.D
Level 6	IC 280-114734/2	002F0201.D
Level 7	IC 280-114734/1	001F0101.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1248 Peak 1	116.72 78.494	105.82 74.300	97.710 68.974	85.572	Lin1	-21.545507	72.2386514							0.9945		0.9900
PCB-1248 Peak 2	208.96 169.38	198.08 165.23	185.09 157.07	176.57	Lin1	-10.161858	161.669492							0.9985		0.9900
PCB-1248 Peak 3	263.96 197.08	247.50 189.10	228.24 178.12	210.21	Lin1	-15.254466	184.773116							0.9969		0.9900
PCB-1248 Peak 4	122.08 100.91	118.22 99.083	110.16 94.189	105.15	Lin1	-9.4662367	96.8532646							0.9986		0.9900
PCB-1248 Peak 5	85.000 73.928	84.660 71.741	79.600 68.200	76.784	Lin1	-8.3990722	70.5038466							0.9982		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 14:10 Calibration End Date: 04/07/2012 16:29 Calibration ID: 8997

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/7	007F0701.D
Level 2	IC 280-114734/6	006F0601.D
Level 3	IC 280-114734/5	005F0501.D
Level 4	IC 280-114734/4	004F0401.D
Level 5	IC 280-114734/3	003F0301.D
Level 6	IC 280-114734/2	002F0201.D
Level 7	IC 280-114734/1	001F0101.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Lin1	2918 55725	5291 68974	9771	21393	39247	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 2	Lin1	5224 123922	9904 157072	18509	44142	84689	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 3	Lin1	6599 141823	12375 178118	22824	52553	98538	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 4	Lin1	3052 74312	5911 94189	11016	26287	50456	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 5	Lin1	2125 53806	4233 68200	7960	19196	36964	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\001F0101.D
Lab Smp Id: IC-1274687
Inj Date : 07-APR-2012 14:10
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1274687, 1248
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 22:54 Cal File: 027F2701.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

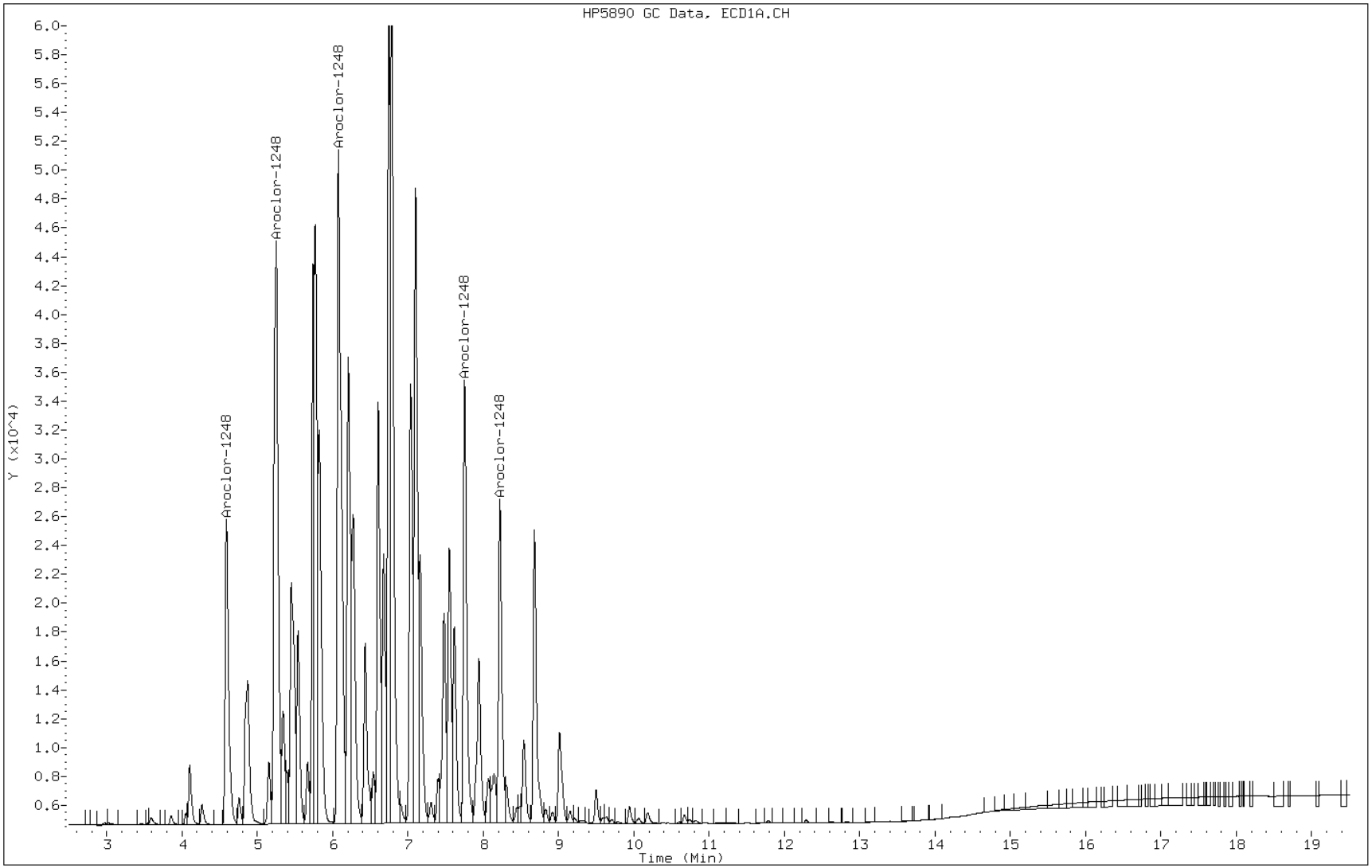
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.590	4.560	0.030	68974	1000.00	917.3	50.00- 150.00	100.00
5.253	5.220	0.033	157072	1000.00	948.0	41.73- 125.19	227.73
6.076	6.043	0.033	178118	1000.00	933.7	16.31- 48.91	258.24
7.753	7.720	0.033	94189	1000.00	946.5	16.50- 49.50	136.56
8.220	8.190	0.030	68200	1000.00	941.5	11.54- 34.62	98.88
Average of Peak Amounts =					937.400		

Data File: 001F0101.D

Date: 07-APR-2012 14:10

Client ID: Instrument: GC_W.i

Sample Info: IC-1274687, 1248 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\002F0201.D
Lab Smp Id: IC-1275431
Inj Date : 07-APR-2012 14:33
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275431, L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:17 Cal File: 028F2801.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

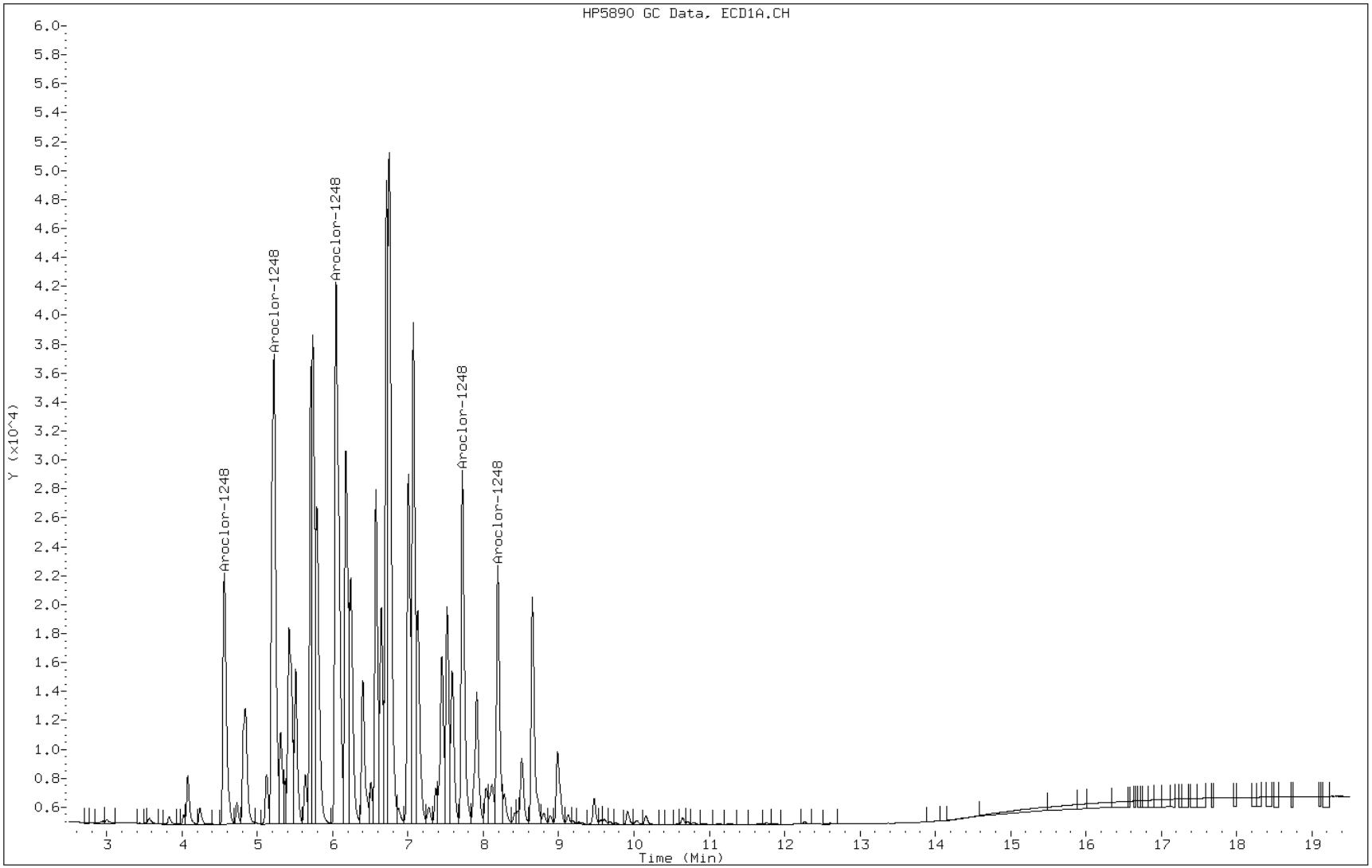
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.560	4.560	0.000	55725	750.000	745.3	50.00- 150.00	100.00
5.220	5.220	0.000	123922	750.000	753.0	41.73- 125.19	222.38
6.043	6.043	0.000	141823	750.000	749.1	16.31- 48.91	254.50
7.723	7.720	0.003	74312	750.000	755.4	16.50- 49.50	133.35
8.190	8.190	0.000	53806	750.000	751.8	11.54- 34.62	96.56
Average of Peak Amounts =					750.920		

Data File: 002F0201.D

Date: 07-APR-2012 14:33

Client ID: Instrument: GC_W.i

Sample Info: IC-1275431, L6 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\003F0301.D
Lab Smp Id: IC-1275432
Inj Date : 07-APR-2012 14:56
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275432, L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:40 Cal File: 029F2901.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

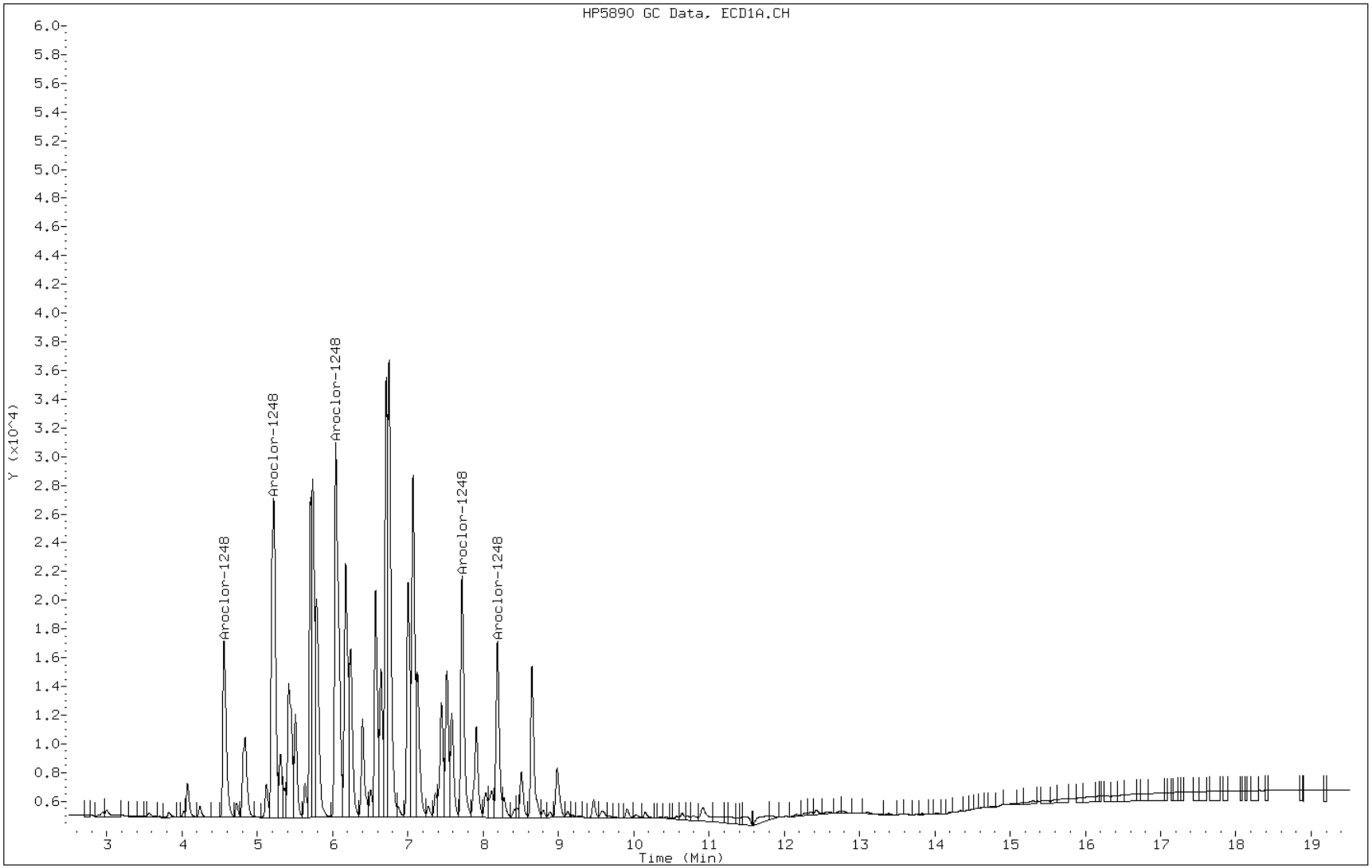
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.560	4.560	0.000	39247	500.000	517.8	50.00- 150.00	100.00
5.220	5.220	0.000	84689	500.000	511.0	41.73- 125.19	215.78
6.043	6.043	0.000	98538	500.000	515.4	16.31- 48.91	251.07
7.720	7.720	0.000	50456	500.000	509.4	16.50- 49.50	128.56
8.190	8.190	0.000	36964	500.000	513.6	11.54- 34.62	94.18
Average of Peak Amounts =					513.440		

Data File: 003F0301.D

Date: 07-APR-2012 14:56

Client ID: Instrument: GC_W.i

Sample Info: IC-1275432, L5 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\004F0401.D
Lab Smp Id: IC-1275433
Inj Date : 07-APR-2012 15:19
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275433, L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:03 Cal File: 030F3001.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

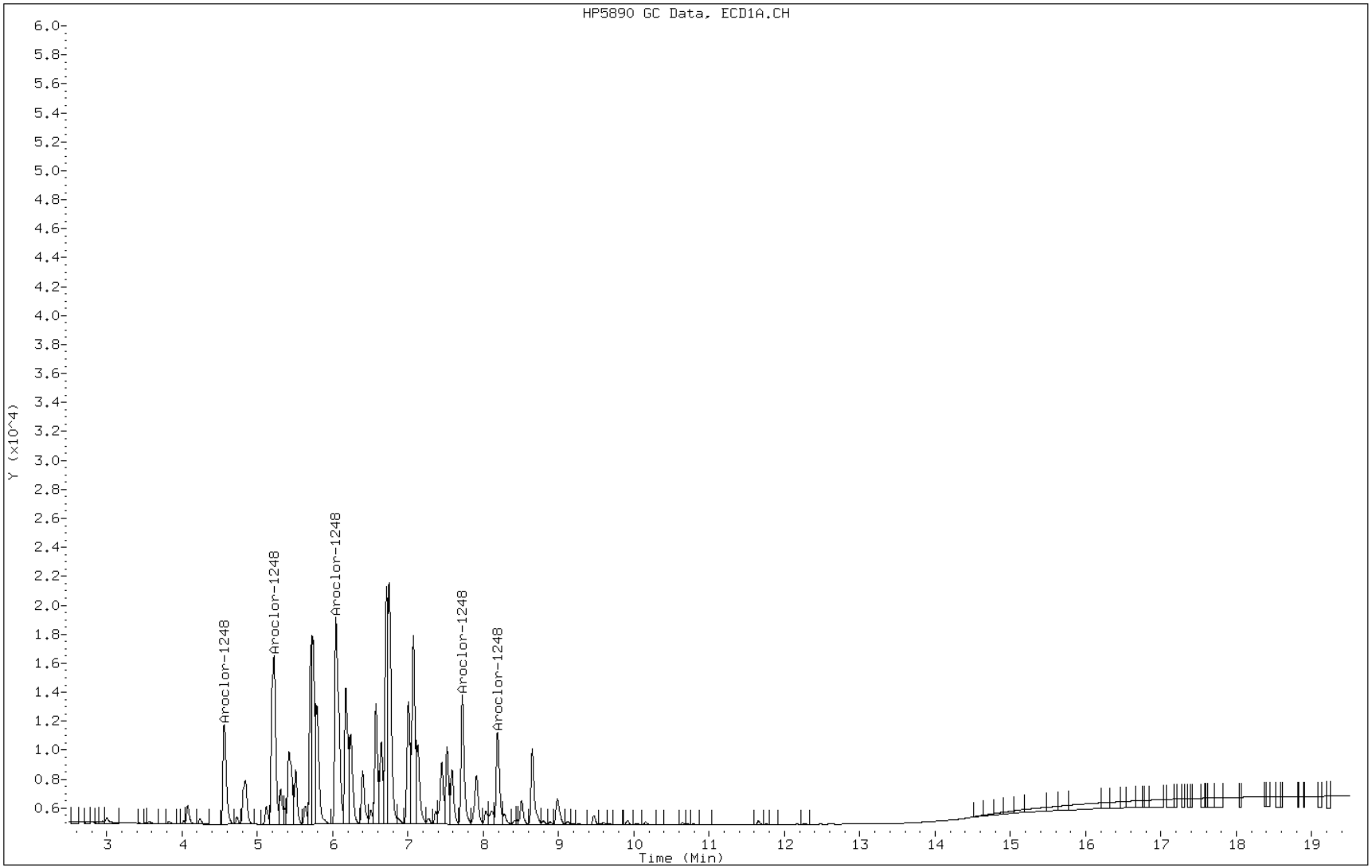
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.560	4.560	0.000	21393	250.000	272.7	50.00- 150.00	100.00
5.220	5.220	0.000	44142	250.000	261.7	41.73- 125.19	206.33
6.043	6.043	0.000	52553	250.000	267.8	16.31- 48.91	245.65
7.720	7.720	0.000	26287	250.000	260.8	16.50- 49.50	122.88
8.190	8.190	0.000	19196	250.000	262.8	11.54- 34.62	89.73
Average of Peak Amounts =					265.160		

Data File: 004F0401.D

Date: 07-APR-2012 15:19

Client ID: Instrument: GC_W.i

Sample Info: IC-1275433, L4 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\005F0501.D
Lab Smp Id: IC-1275435
Inj Date : 07-APR-2012 15:42
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275435, L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:27 Cal File: 031F3101.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

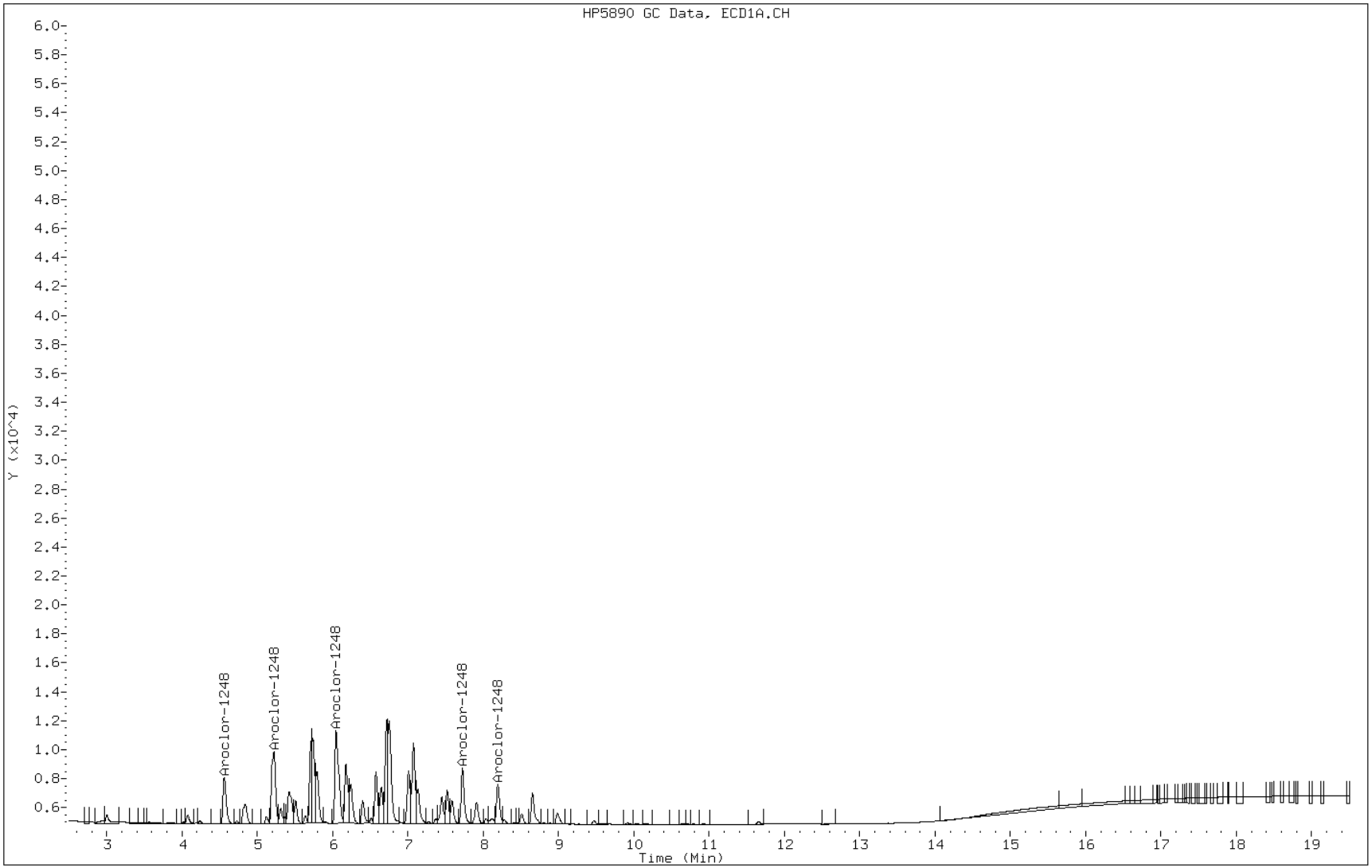
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.560	4.560	0.000	9771	100.000	112.3	50.00- 150.00	100.00
5.220	5.220	0.000	18509	100.000	104.0	41.73- 125.19	189.42
6.046	6.043	0.003	22824	100.000	107.6	16.31- 48.91	233.58
7.723	7.720	0.003	11016	100.000	103.9	16.50- 49.50	112.74
8.193	8.190	0.003	7960	100.000	104.5	11.54- 34.62	81.46
Average of Peak Amounts =					106.460		

Data File: 005F0501.D

Date: 07-APR-2012 15:42

Client ID: Instrument: GC_W.i

Sample Info: IC-1275435, L3 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\006F0601.D
Lab Smp Id: IC-1275436
Inj Date : 07-APR-2012 16:06
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275436, L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:50 Cal File: 032F3201.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

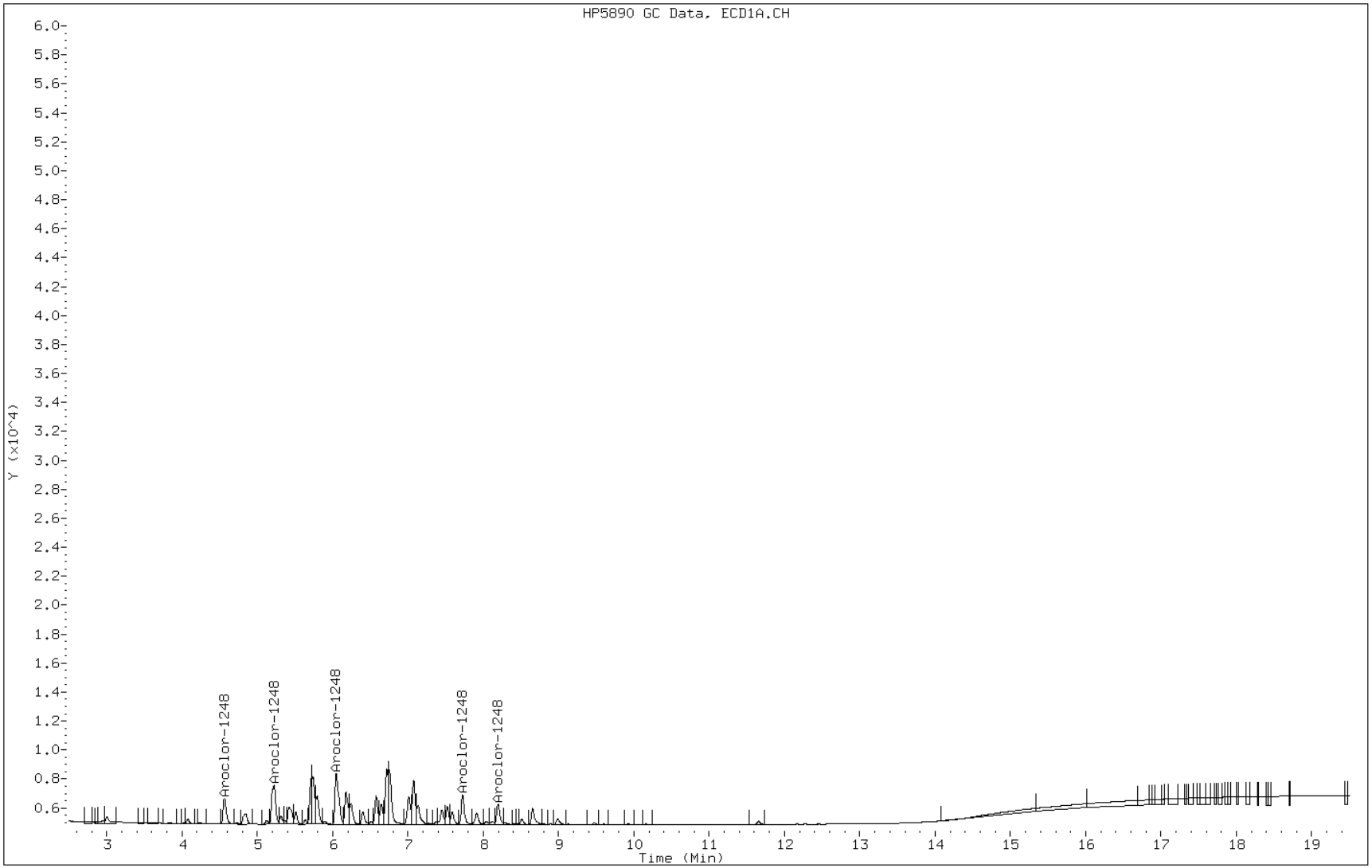
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.563	4.560	0.003	5291	50.0000	51.19	50.00- 150.00	100.00
5.223	5.220	0.003	9904	50.0000	50.82	41.73- 125.19	187.17
6.046	6.043	0.003	12375	50.0000	51.42	16.31- 48.91	233.86
7.726	7.720	0.006	5911	50.0000	51.29	16.50- 49.50	111.71
8.196	8.190	0.006	4233	50.0000	51.33	11.54- 34.62	80.00
Average of Peak Amounts =					51.2100		

Data File: 006F0601.D

Date: 07-APR-2012 16:06

Client ID: Instrument: GC_W.i

Sample Info: IC-1275436, L2 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\007F0701.D
Lab Smp Id: IC-1275460
Inj Date : 07-APR-2012 16:29
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275460, L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

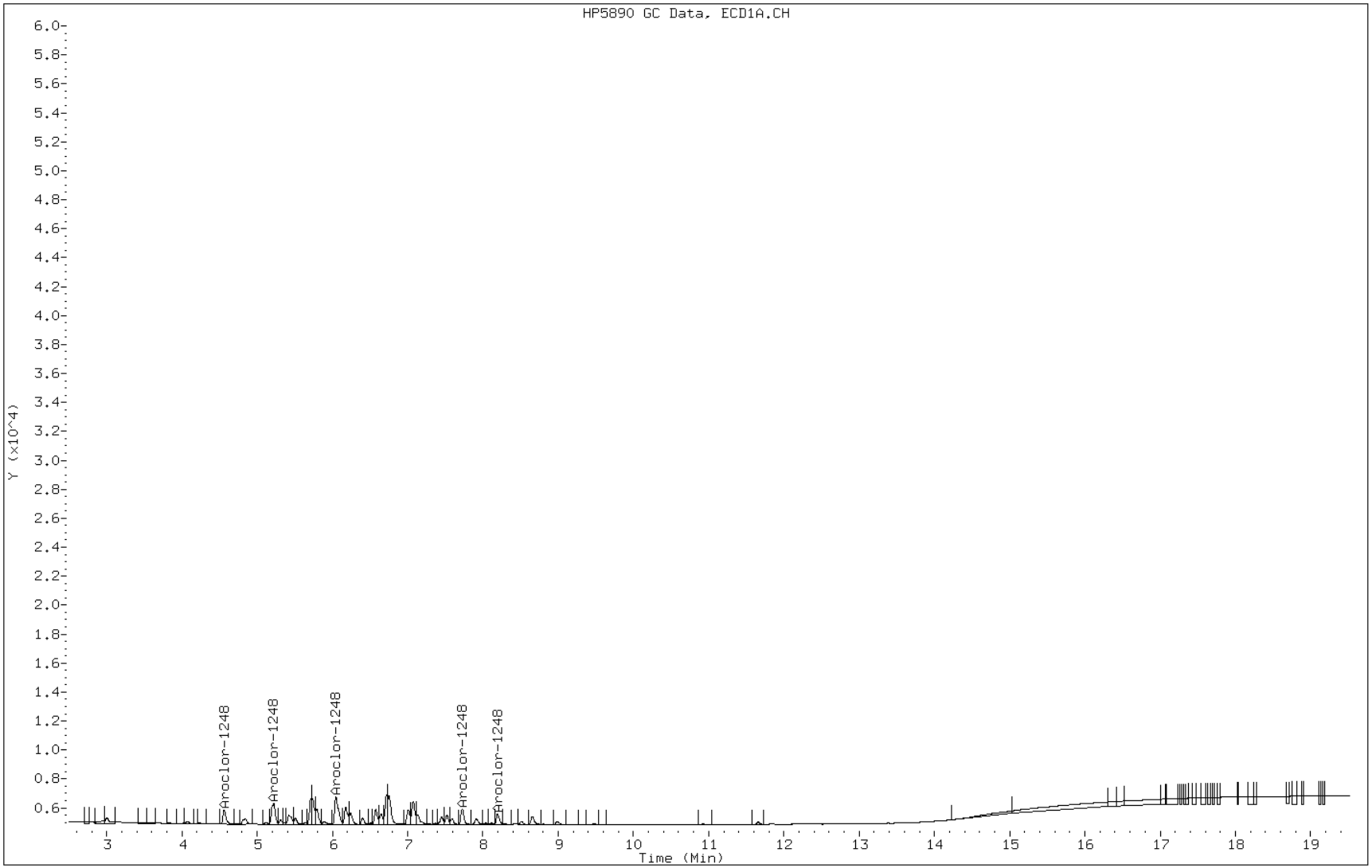
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.560	4.560	0.000	2918	25.0000	18.85	50.00- 150.00	100.00
5.220	5.220	0.000	5224	25.0000	22.15	41.73- 125.19	179.00
6.046	6.043	0.003	6599	25.0000	20.46	16.31- 48.91	226.14
7.723	7.720	0.003	3052	25.0000	22.04	16.50- 49.50	104.59
8.196	8.190	0.006	2125	25.0000	21.74	11.54- 34.62	72.83
Average of Peak Amounts =					21.0480		

Data File: 007F0701.D

Date: 07-APR-2012 16:29

Client ID: Instrument: GC_W.i

Sample Info: IC-1275460, L1 Operator: JAX



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 14:10 Calibration End Date: 04/07/2012 16:29 Calibration ID: 9002

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/7	007F0701.D
Level 2	IC 280-114734/6	006F0601.D
Level 3	IC 280-114734/5	005F0501.D
Level 4	IC 280-114734/4	004F0401.D
Level 5	IC 280-114734/3	003F0301.D
Level 6	IC 280-114734/2	002F0201.D
Level 7	IC 280-114734/1	001F0101.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1248 Peak 1	4.863	4.863	4.863	4.860	4.860	4.857	4.867				4.660 - 5.060	4.862
PCB-1248 Peak 2	5.520	5.520	5.520	5.520	5.517	5.517	5.530				5.317 - 5.717	5.520
PCB-1248 Peak 3	6.453	6.453	6.453	6.450	6.450	6.450	6.463				6.250 - 6.650	6.453
PCB-1248 Peak 4	6.647	6.643	6.643	6.643	6.640	6.640	6.653				6.440 - 6.840	6.644
PCB-1248 Peak 5	7.073	7.073	7.070	7.070	7.067	7.067	7.080				6.867 - 7.267	7.071

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 14:10 Calibration End Date: 04/07/2012 16:29 Calibration ID: 9002

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/7	007F0701.D
Level 2	IC 280-114734/6	006F0601.D
Level 3	IC 280-114734/5	005F0501.D
Level 4	IC 280-114734/4	004F0401.D
Level 5	IC 280-114734/3	003F0301.D
Level 6	IC 280-114734/2	002F0201.D
Level 7	IC 280-114734/1	001F0101.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1248 Peak 1	83.080 62.180	82.460 59.156	76.810 54.687	68.160	Lin1	-18.192062	57.7484166							0.9935		0.9900
PCB-1248 Peak 2	152.40 132.82	146.72 129.42	146.11 122.05	137.34	Lin1	-8.0269321	126.739767							0.9980		0.9900
PCB-1248 Peak 3	152.60 113.34	141.76 104.78	130.99 98.394	120.26	Lin1	-17.152209	103.327788							0.9948		0.9900
PCB-1248 Peak 4	150.80 131.62	148.90 126.98	155.13 118.95	137.01	Lin1	-9.9814339	124.571114							0.9963		0.9900
PCB-1248 Peak 5	146.84 120.82	140.56 117.12	134.27 110.37	125.79	Lin1	-10.507904	114.503007							0.9978		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 14:10 Calibration End Date: 04/07/2012 16:29 Calibration ID: 9002

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/7	007F0701.D
Level 2	IC 280-114734/6	006F0601.D
Level 3	IC 280-114734/5	005F0501.D
Level 4	IC 280-114734/4	004F0401.D
Level 5	IC 280-114734/3	003F0301.D
Level 6	IC 280-114734/2	002F0201.D
Level 7	IC 280-114734/1	001F0101.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Lin1	2077 44367	4123 54687	7681	17040	31090	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 2	Lin1	3810 97066	7336 122054	14611	34336	66410	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 3	Lin1	3815 78587	7088 98394	13099	30065	56669	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 4	Lin1	3770 95233	7445 118954	15513	34253	65812	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 5	Lin1	3671 87842	7028 110372	13427	31447	60409	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\001F0101.D
Lab Smp Id: IC-1274687
Inj Date : 07-APR-2012 14:10
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1274687, 1248
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 22:54 Cal File: 027F2701.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

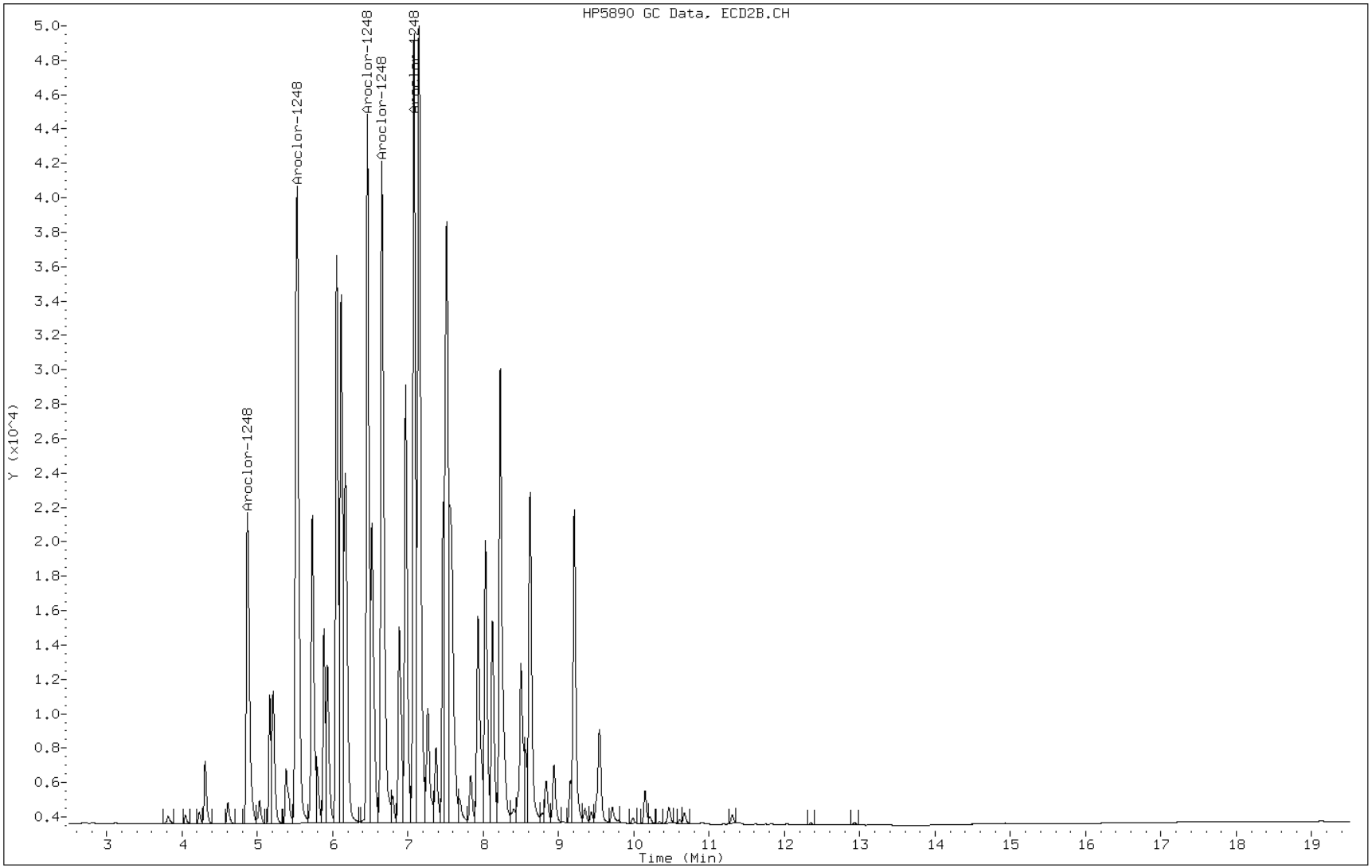
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.866	4.860	0.006	54687	1000.00	931.1	50.00- 150.00	100.00
5.530	5.516	0.014	122054	1000.00	956.2	47.98- 143.94	223.18
6.463	6.450	0.013	98394	1000.00	935.0	48.70- 146.09	179.92
6.653	6.640	0.013	118954	1000.00	944.1	56.67- 170.02	217.52
7.080	7.066	0.014	110372	1000.00	951.9	30.52- 91.56	201.82
Average of Peak Amounts =					943.660		

Data File: 001F0101.D

Date: 07-APR-2012 14:10

Client ID: Instrument: GC_W.i

Sample Info: IC-1274687, 1248 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\002F0201.D
Lab Smp Id: IC-1275431
Inj Date : 07-APR-2012 14:33
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275431, L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:17 Cal File: 028F2801.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

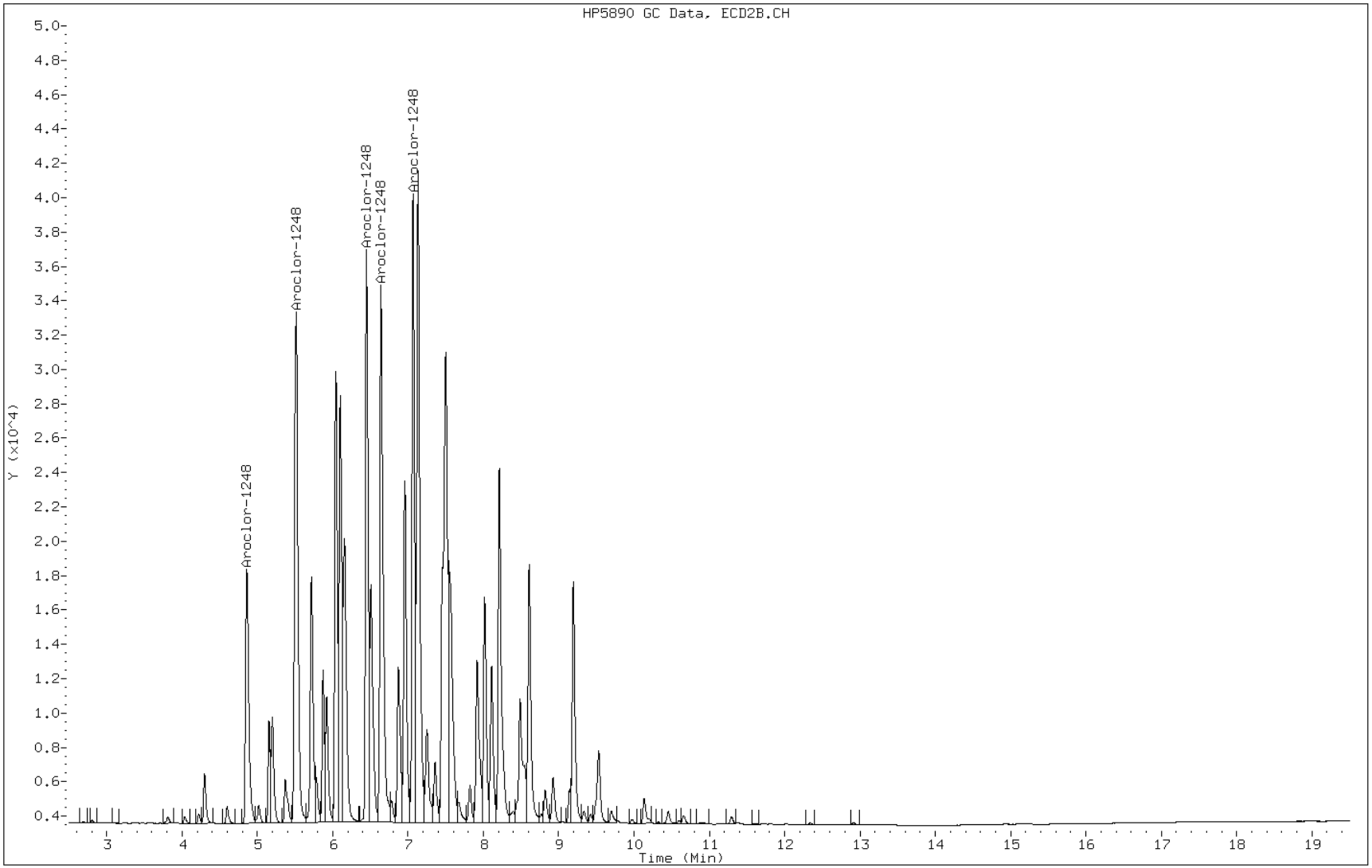
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.856	4.860	-0.004	44367	750.000	748.1	50.00- 150.00	100.00
5.516	5.516	0.000	97066	750.000	748.2	47.98- 143.94	218.78
6.450	6.450	0.000	78587	750.000	750.8	48.70- 146.09	177.13
6.640	6.640	0.000	95233	750.000	770.6	56.67- 170.02	214.65
7.066	7.066	0.000	87842	750.000	757.4	30.52- 91.56	197.99
Average of Peak Amounts =					755.020		

Data File: 002F0201.D

Date: 07-APR-2012 14:33

Client ID: Instrument: GC_W.i

Sample Info: IC-1275431, L6 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\003F0301.D
Lab Smp Id: IC-1275432
Inj Date : 07-APR-2012 14:56
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275432, L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:40 Cal File: 029F2901.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

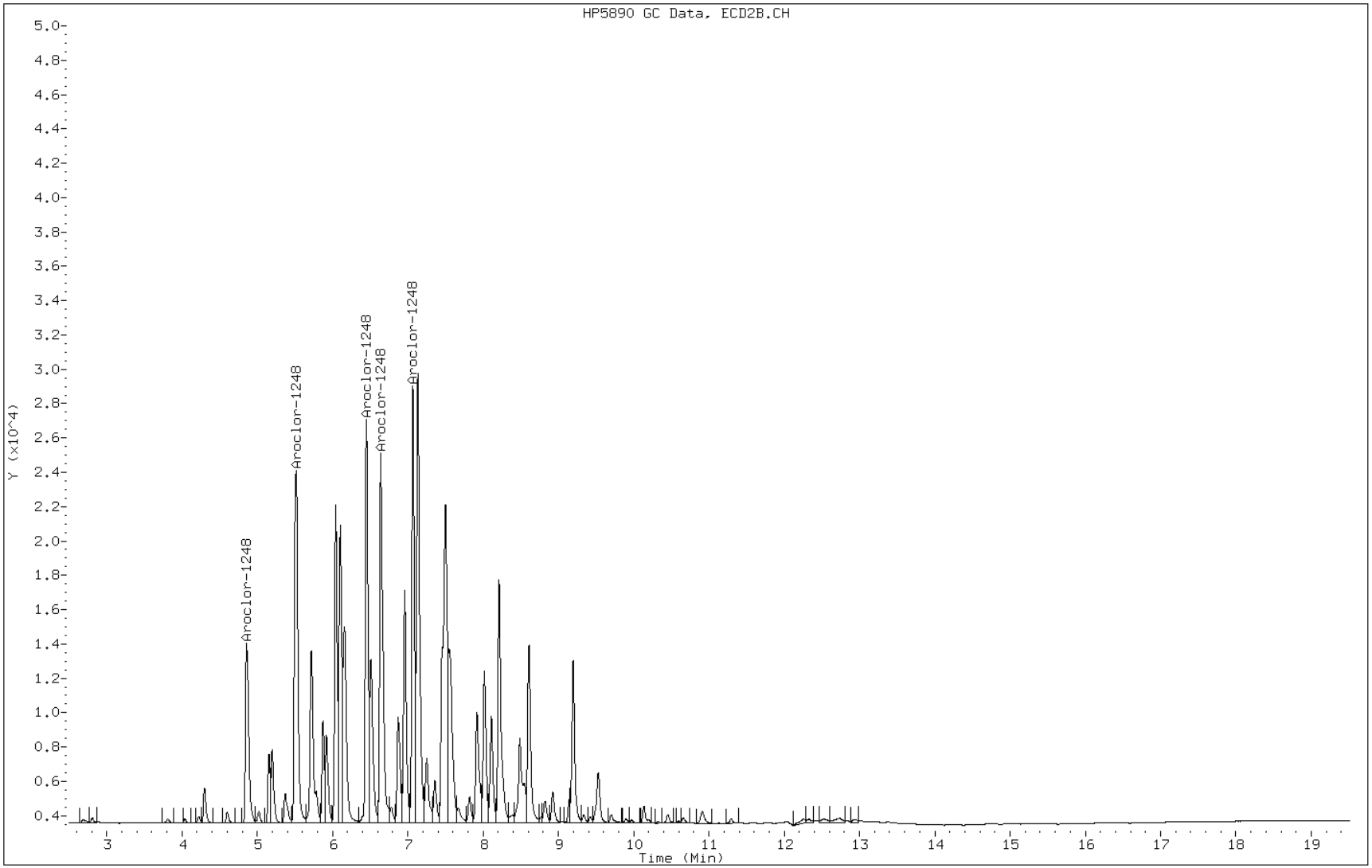
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.860	4.860	0.000	31090	500.000	519.1	50.00- 150.00	100.00
5.516	5.516	0.000	66410	500.000	511.3	47.98- 143.94	213.60
6.450	6.450	0.000	56669	500.000	535.1	48.70- 146.09	182.27
6.640	6.640	0.000	65812	500.000	527.6	56.67- 170.02	211.68
7.066	7.066	0.000	60409	500.000	520.7	30.52- 91.56	194.30
Average of Peak Amounts =					522.760		

Data File: 003F0301.D

Date: 07-APR-2012 14:56

Client ID: Instrument: GC_W.i

Sample Info: IC-1275432, L5 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\004F0401.D
Lab Smp Id: IC-1275433
Inj Date : 07-APR-2012 15:19
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275433, L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:03 Cal File: 030F3001.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

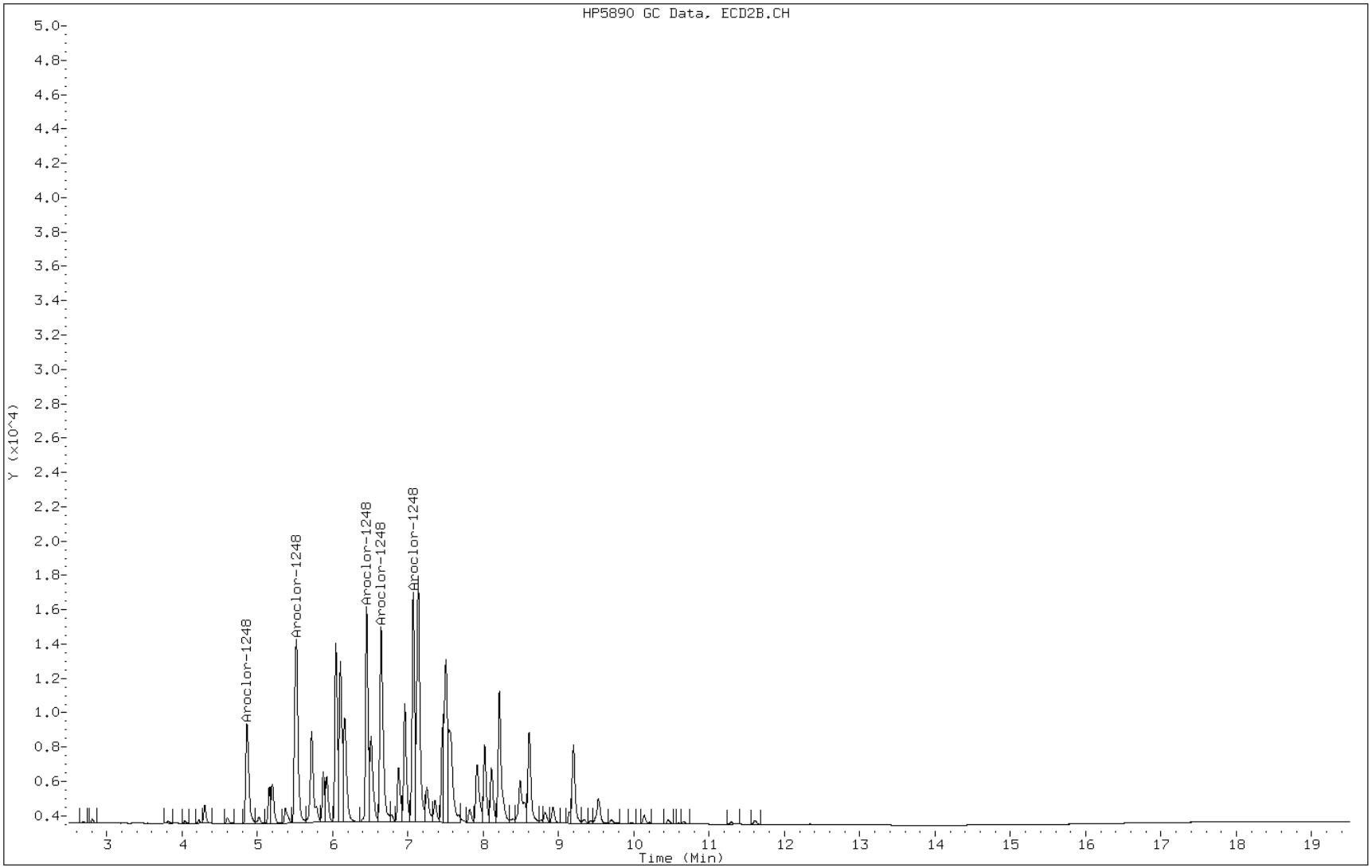
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.860	4.860	0.000	17040	250.000	274.6	50.00- 150.00	100.00
5.520	5.516	0.004	34336	250.000	259.2	47.98- 143.94	201.50
6.450	6.450	0.000	30065	250.000	273.8	48.70- 146.09	176.44
6.643	6.640	0.003	34253	250.000	266.9	56.67- 170.02	201.02
7.070	7.066	0.004	31447	250.000	265.2	30.52- 91.56	184.55
Average of Peak Amounts =					267.940		

Data File: 004F0401.D

Date: 07-APR-2012 15:19

Client ID: Instrument: GC_W.i

Sample Info: IC-1275433, L4 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\005F0501.D
Lab Smp Id: IC-1275435
Inj Date : 07-APR-2012 15:42
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275435, L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:27 Cal File: 031F3101.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

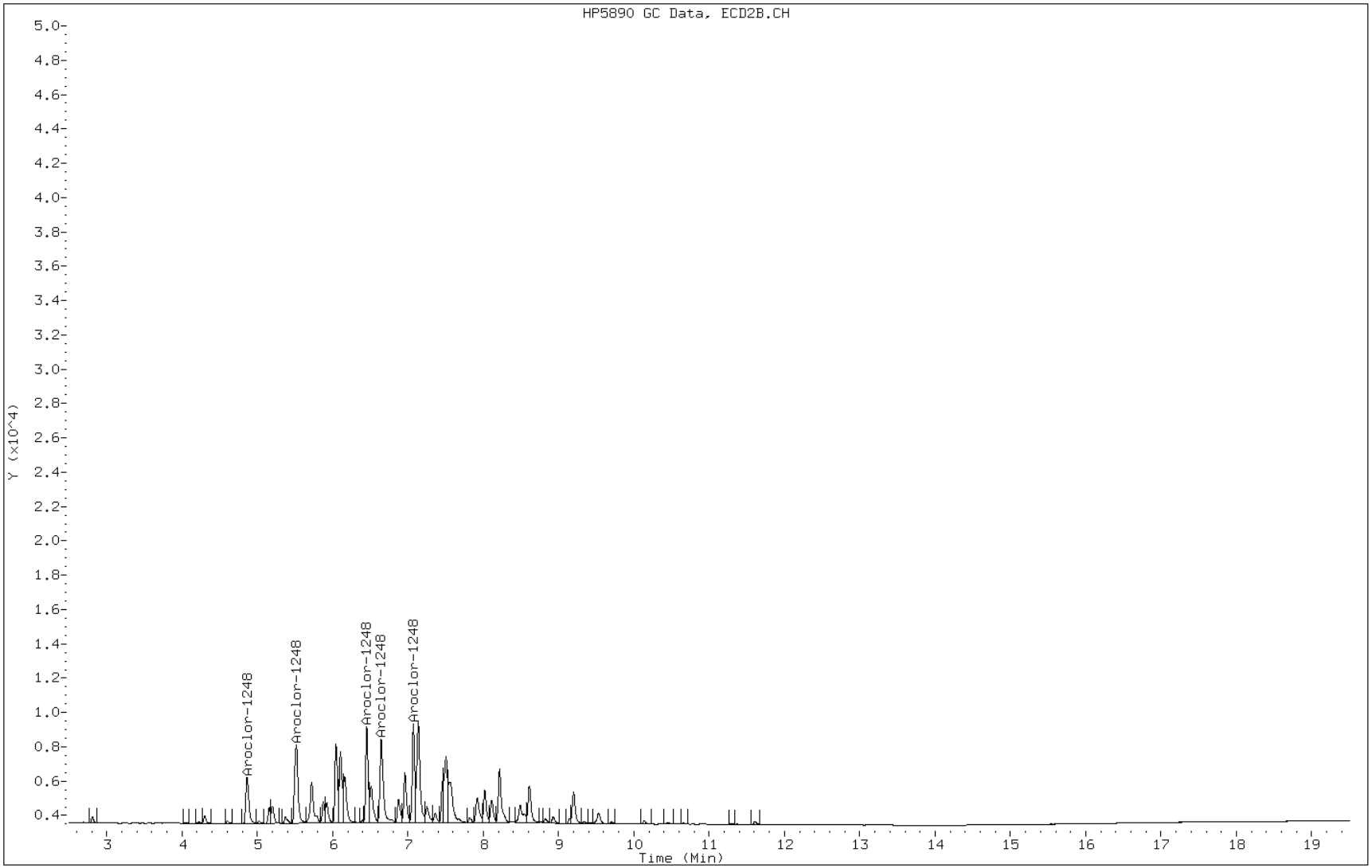
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.863	4.860	0.003	7681	100.000	111.9	50.00- 150.00	100.00
5.520	5.516	0.004	14611	100.000	103.3	47.98- 143.94	190.21
6.453	6.450	0.003	13099	100.000	107.3	48.70- 146.09	170.52
6.643	6.640	0.003	15513	100.000	111.6	56.67- 170.02	201.95
7.070	7.066	0.004	13427	100.000	104.6	30.52- 91.56	174.80
Average of Peak Amounts =					107.740		

Data File: 005F0501.D

Date: 07-APR-2012 15:42

Client ID: Instrument: GC_W.i

Sample Info: IC-1275435, L3 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\006F0601.D
Lab Smp Id: IC-1275436
Inj Date : 07-APR-2012 16:06
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275436, L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:50 Cal File: 032F3201.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

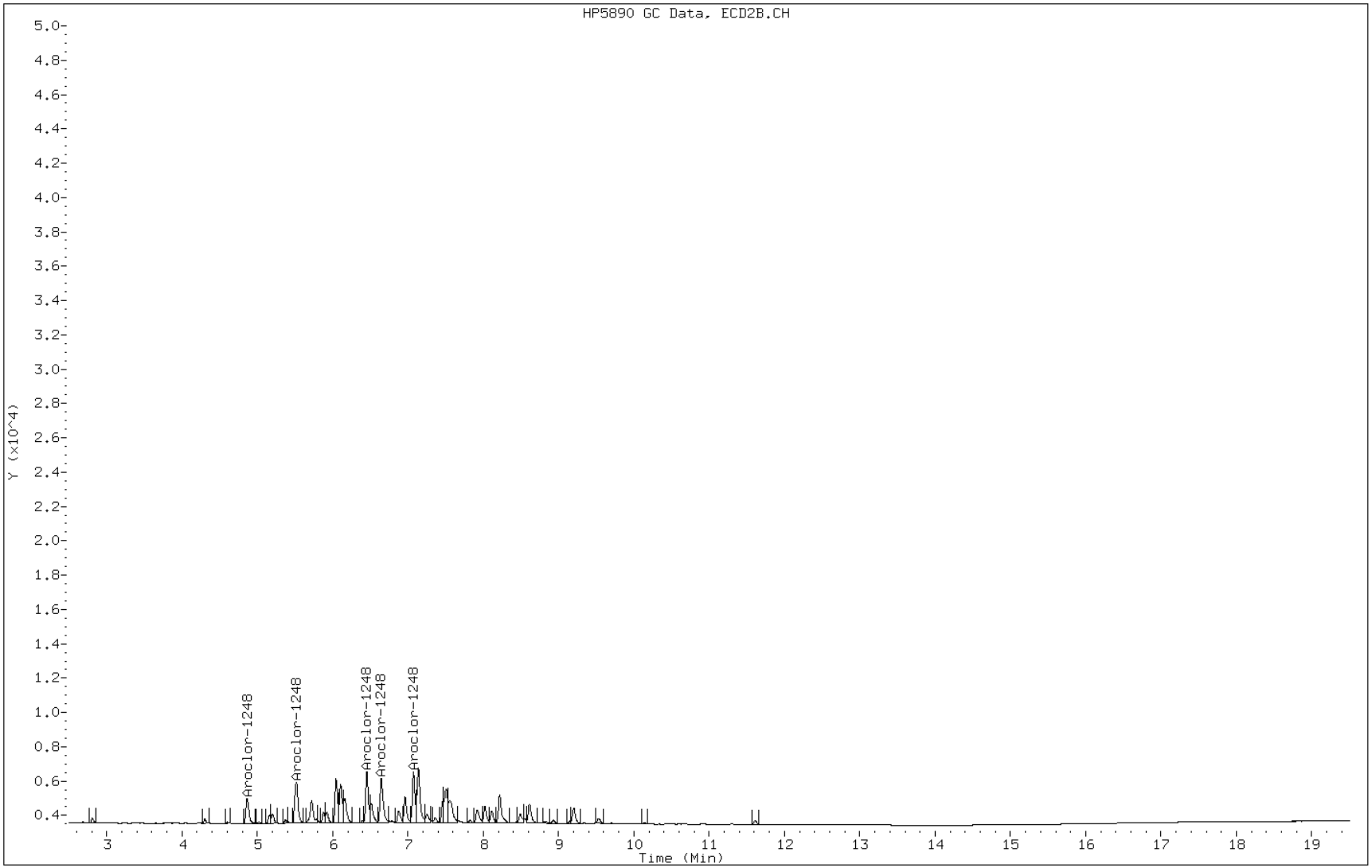
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.863	4.860	0.003	4123	50.0000	51.55	50.00- 150.00	100.00
5.520	5.516	0.004	7336	50.0000	49.04	47.98- 143.94	177.92
6.453	6.450	0.003	7088	50.0000	51.42	48.70- 146.09	171.91
6.643	6.640	0.003	7445	50.0000	50.48	56.67- 170.02	180.56
7.073	7.066	0.007	7028	50.0000	51.90	30.52- 91.56	170.44
Average of Peak Amounts =					50.8780		

Data File: 006F0601.D

Date: 07-APR-2012 16:06

Client ID: Instrument: GC_W.i

Sample Info: IC-1275436, L2 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\007F0701.D
Lab Smp Id: IC-1275460
Inj Date : 07-APR-2012 16:29
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275460, L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None

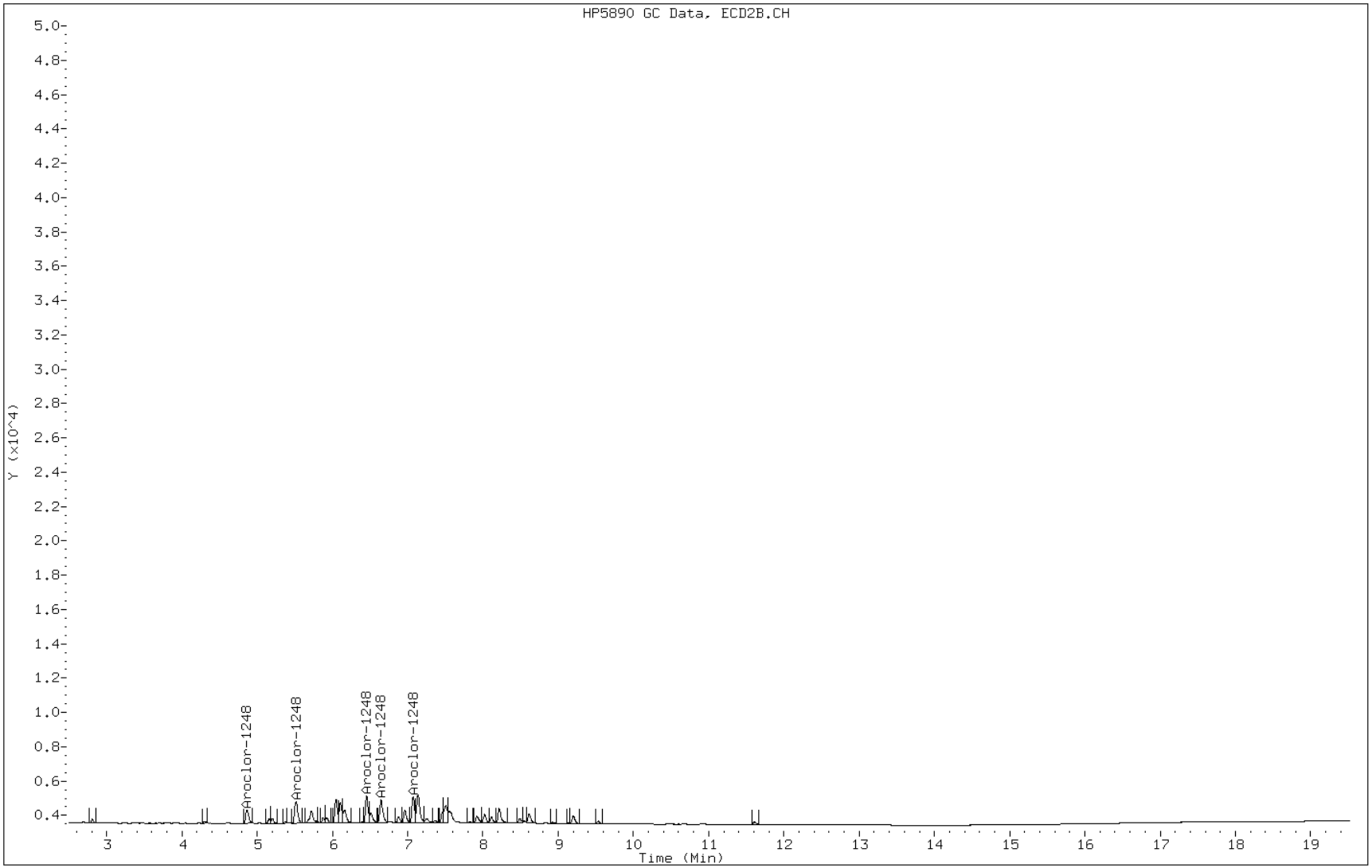
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.863	4.860	0.003	2077	25.0000	17.77	50.00- 150.00	100.00
5.520	5.516	0.004	3810	25.0000	22.03	47.98- 143.94	183.44
6.453	6.450	0.003	3815	25.0000	19.77	48.70- 146.09	183.68
6.646	6.640	0.006	3770	25.0000	20.28	56.67- 170.02	181.51
7.073	7.066	0.007	3671	25.0000	21.55	30.52- 91.56	176.75
Average of Peak Amounts =					20.2800		

Data File: 007F0701.D

Date: 07-APR-2012 16:29

Client ID: Instrument: GC_W.i

Sample Info: IC-1275460, L1 Operator: JAX



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 16:52 Calibration End Date: 04/07/2012 19:10 Calibration ID: 8998

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/14	014F1401.D
Level 2	IC 280-114734/13	013F1301.D
Level 3	IC 280-114734/12	012F1201.D
Level 4	IC 280-114734/11	011F1101.D
Level 5	IC 280-114734/10	010F1001.D
Level 6	IC 280-114734/9	009F0901.D
Level 7	IC 280-114734/8	008F0801.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1221 Peak 1	3.830	3.827	3.827	3.827	3.827	3.823	3.827				3.627 - 4.027	3.827
PCB-1221 Peak 2	4.023	4.020	4.023	4.023	4.023	4.020	4.020				3.823 - 4.223	4.022
PCB-1221 Peak 3	4.077	4.073	4.073	4.073	4.073	4.070	4.073				3.873 - 4.273	4.073
PCB-1254 Peak 1	6.650	6.647	6.650	6.647	6.647	6.643	6.643				6.447 - 6.847	6.647
PCB-1254 Peak 2	7.523	7.520	7.520	7.520	7.520	7.517	7.517				7.320 - 7.720	7.520
PCB-1254 Peak 3	7.727	7.723	7.723	7.723	7.723	7.720	7.717				7.523 - 7.923	7.722
PCB-1254 Peak 4	8.513	8.510	8.510	8.510	8.510	8.507	8.507				8.310 - 8.710	8.510
PCB-1254 Peak 5	8.987	8.983	8.983	8.983	8.983	8.980	8.980				8.783 - 9.183	8.983

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 16:52 Calibration End Date: 04/07/2012 19:10 Calibration ID: 8998

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/14	014F1401.D
Level 2	IC 280-114734/13	013F1301.D
Level 3	IC 280-114734/12	012F1201.D
Level 4	IC 280-114734/11	011F1101.D
Level 5	IC 280-114734/10	010F1001.D
Level 6	IC 280-114734/9	009F0901.D
Level 7	IC 280-114734/8	008F0801.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1221 Peak 1	75.560 52.948	80.620 50.093	64.570 46.171	56.748	Lin1	-23.039946	48.4633995							0.9932		0.9900
PCB-1221 Peak 2	45.040 28.768	45.500 26.461	37.320 25.335	32.112	Lin1	-27.936814	26.1783073							0.9922		0.9900
PCB-1221 Peak 3	198.72 129.64	196.04 121.19	163.89 109.68	142.76	Lin1	-26.618781	116.885587							0.9908		0.9900
PCB-1254 Peak 1	226.20 153.21	232.14 143.77	194.32 131.82	172.23	Lin1	-25.072347	139.857348							0.9907		0.9900
PCB-1254 Peak 2	207.40 166.18	220.14 159.54	193.06 148.21	176.07	Lin1	-15.061764	155.331802							0.9955		0.9900
PCB-1254 Peak 3	351.04 284.31	373.08 304.28	323.80 281.48	303.24	Lin1	-9.1022262	287.985580							0.9979		0.9900
PCB-1254 Peak 4	299.36 223.73	326.24 212.61	267.85 195.83	242.48	Lin1	-19.939353	206.507398							0.9932		0.9900
PCB-1254 Peak 5	362.88 301.23	399.72 289.74	336.81 268.93	317.08	Lin1	-13.696086	281.980485							0.9957		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 16:52 Calibration End Date: 04/07/2012 19:10 Calibration ID: 8998

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/14	014F1401.D
Level 2	IC 280-114734/13	013F1301.D
Level 3	IC 280-114734/12	012F1201.D
Level 4	IC 280-114734/11	011F1101.D
Level 5	IC 280-114734/10	010F1001.D
Level 6	IC 280-114734/9	009F0901.D
Level 7	IC 280-114734/8	008F0801.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Lin1	1889 37570	4031 46171	6457	14187	26474	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 2	Lin1	1126 19846	2275 25335	3732	8028	14384	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 3	Lin1	4968 90893	9802 109679	16389	35690	64821	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 1	Lin1	5655 107824	11607 131820	19432	43057	76604	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 2	Lin1	5185 119652	11007 148205	19306	44017	83090	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 3	Lin1	8776 228210	18654 281483	32380	75811	142154	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 4	Lin1	7484 159459	16312 195829	26785	60620	111864	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 5	Lin1	9072 217302	19986 268933	33681	79271	150613	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\008F0801.D
Lab Smp Id: IC-1274688
Inj Date : 07-APR-2012 16:52
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1274688, 2154
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 22:54 Cal File: 027F2701.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

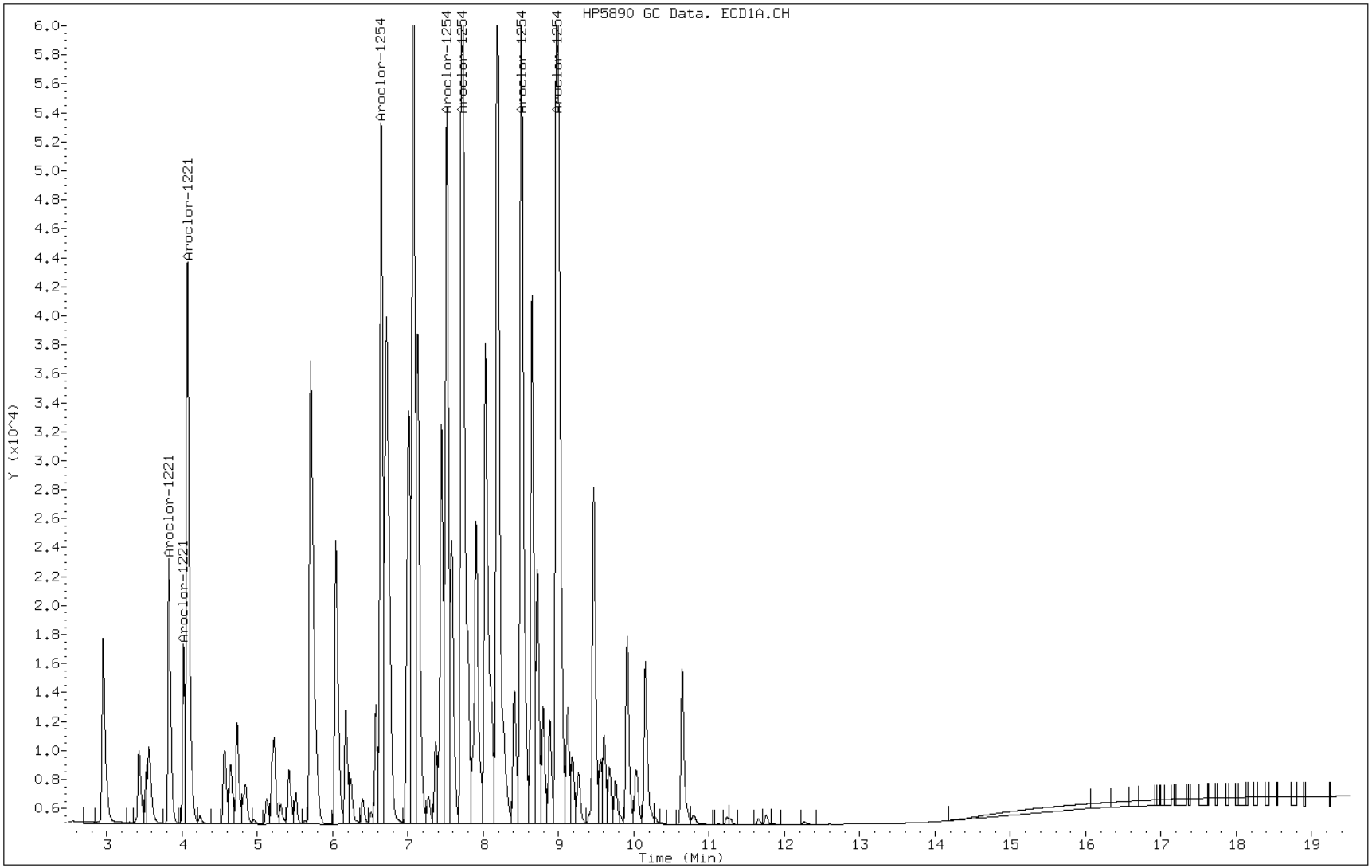
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
3.826	3.826	0.000	46171	1000.00	921.9	50.00- 150.00	100.00
4.020	4.023	-0.003	25335	1000.00	607.0	55.26- 165.78	54.87
4.073	4.073	0.000	109679	1000.00	911.8	317.01- 951.03	237.55
	Average of Peak Amounts =				813.567		
6 Aroclor-1254					CAS #: 11097-69-1		
6.643	6.646	-0.003	131820	1000.00	917.6	50.00- 150.00	100.00
7.516	7.520	-0.004	148205	1000.00	939.0	11.81- 35.43	112.43
7.716	7.723	-0.007	281483	1000.00	968.2	38.91- 116.75	213.54
8.506	8.510	-0.004	195829	1000.00	928.6	305.32- 915.96	148.56
8.980	8.983	-0.003	268933	1000.00	940.0	12.43- 37.29	204.01
	Average of Peak Amounts =				938.680		

Data File: 008F0801.D

Date: 07-APR-2012 16:52

Client ID: Instrument: GC_W.i

Sample Info: IC-1274688, 2154 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\009F0901.D
Lab Smp Id: IC-1275470
Inj Date : 07-APR-2012 17:15
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275470, L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:17 Cal File: 028F2801.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

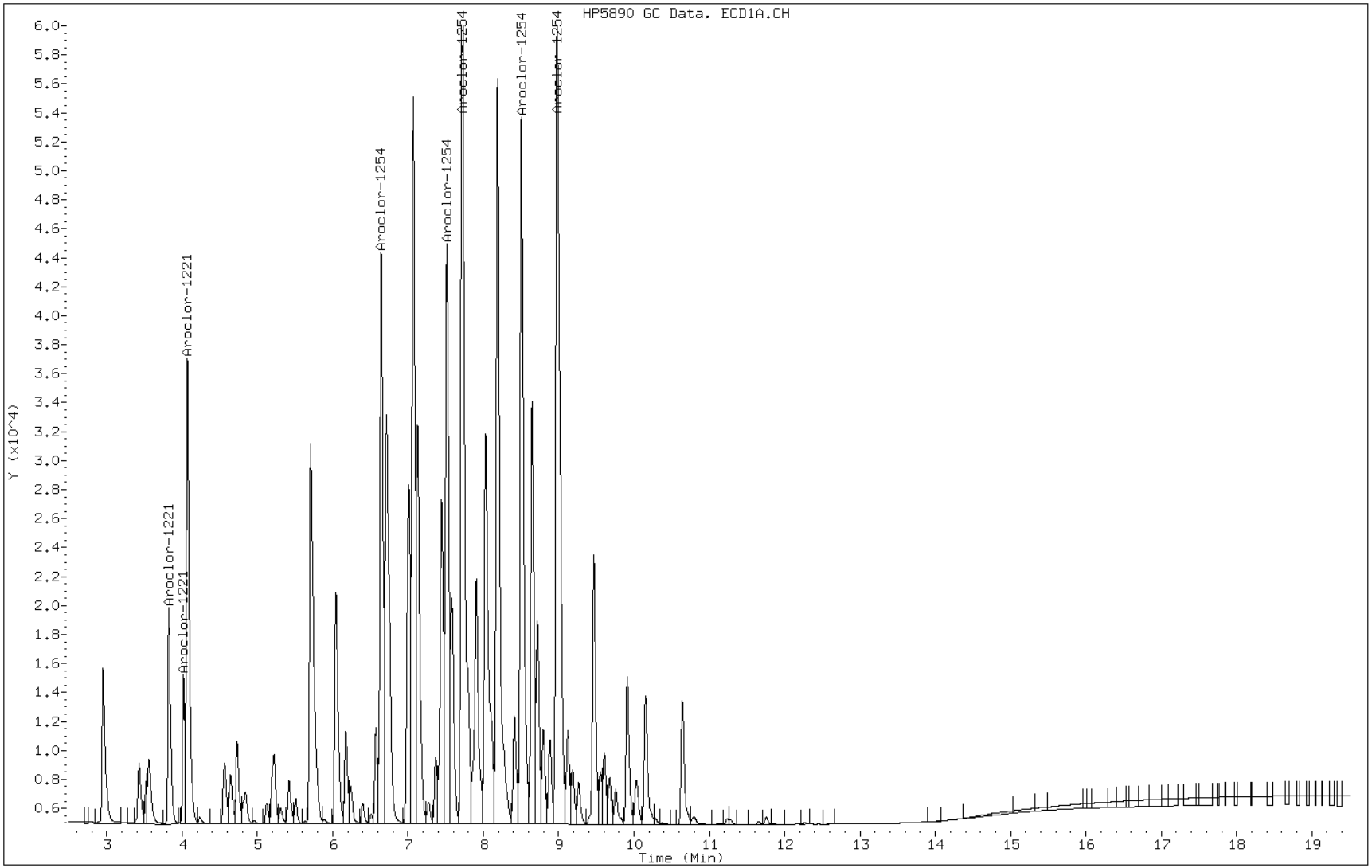
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
3.823	3.826	-0.003	37570	750.000	723.2	50.00- 150.00	100.00
4.020	4.023	-0.003	19846	750.000	598.4	55.26- 165.78	52.82
4.070	4.073	-0.003	90893	750.000	751.2	317.01- 951.03	241.93
		Average of Peak Amounts =			690.933		
6 Aroclor-1254					CAS #: 11097-69-1		
6.643	6.646	-0.003	107824	750.000	746.3	50.00- 150.00	100.00
7.516	7.520	-0.004	119652	750.000	755.5	11.81- 35.43	110.97
7.720	7.723	-0.003	228210	750.000	783.5	38.91- 116.75	211.65
8.506	8.510	-0.004	159459	750.000	752.9	305.32- 915.96	147.89
8.980	8.983	-0.003	217302	750.000	757.3	12.43- 37.29	201.53
		Average of Peak Amounts =			759.100		

Data File: 009F0901.D

Date: 07-APR-2012 17:15

Client ID: Instrument: GC_W.i

Sample Info: IC-1275470, L6 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\010F1001.D
Lab Smp Id: IC-1275471
Inj Date : 07-APR-2012 17:38
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275471, L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:40 Cal File: 029F2901.D
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

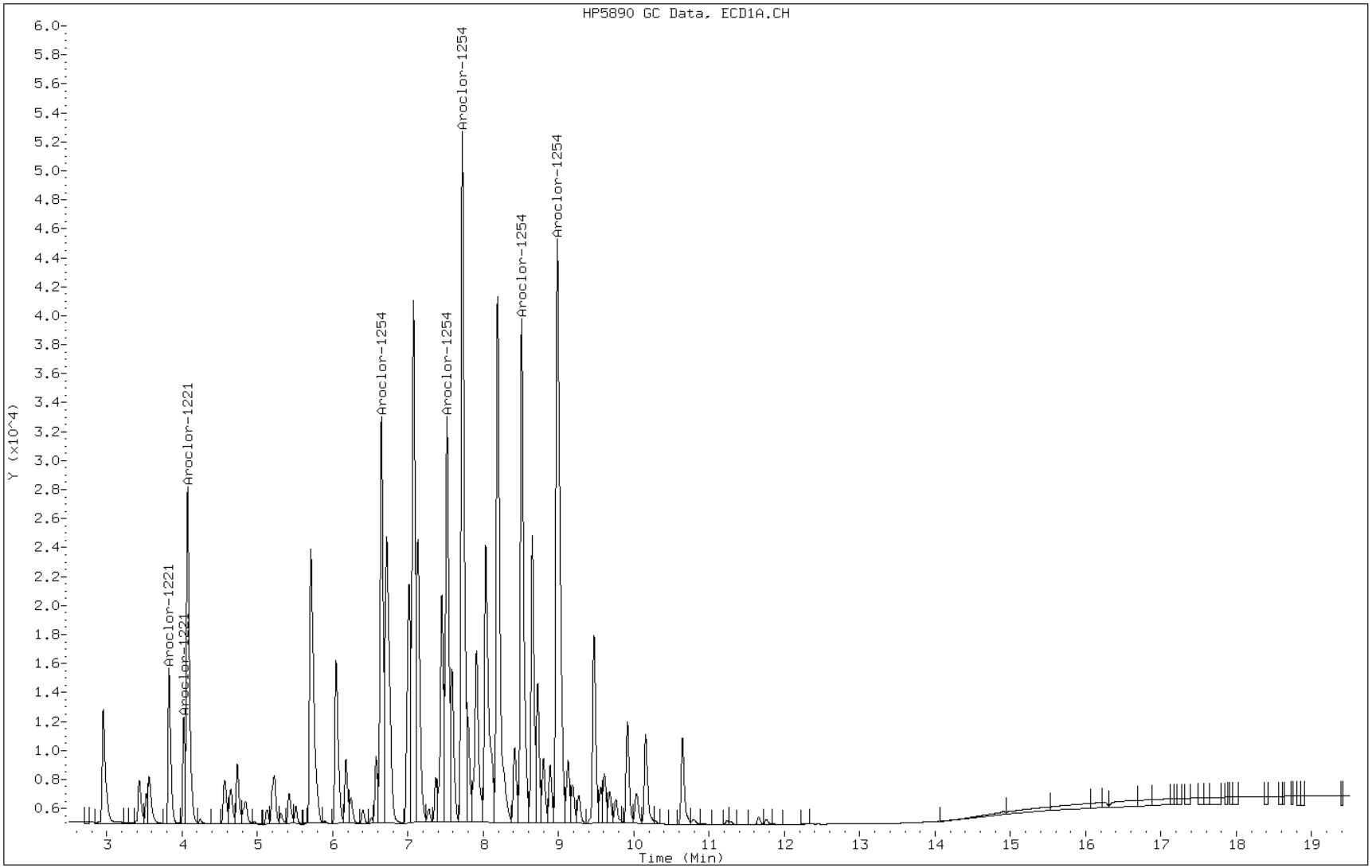
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
3.826	3.826	0.000	26474	500.000	499.1	50.00- 150.00	100.00
4.023	4.023	0.000	14384	500.000	417.6	55.26- 165.78	54.33
4.073	4.073	0.000	64821	500.000	528.4	317.01- 951.03	244.84
		Average of Peak Amounts =			481.700		
6 Aroclor-1254					CAS #: 11097-69-1		
6.646	6.646	0.000	76604	500.000	523.4	50.00- 150.00	100.00
7.520	7.520	0.000	83090	500.000	520.6	11.81- 35.43	108.47
7.723	7.723	0.000	142154	500.000	485.1	38.91- 116.75	185.57
8.510	8.510	0.000	111864	500.000	522.9	305.32- 915.96	146.03
8.983	8.983	0.000	150613	500.000	521.4	12.43- 37.29	196.61
		Average of Peak Amounts =			514.680		

Data File: 010F1001.D

Date: 07-APR-2012 17:38

Client ID: Instrument: GC_W.i

Sample Info: IC-1275471, L5 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\011F1101.D
Lab Smp Id: IC-1275473
Inj Date : 07-APR-2012 18:01
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275473, L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:03 Cal File: 030F3001.D
Als bottle: 11 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

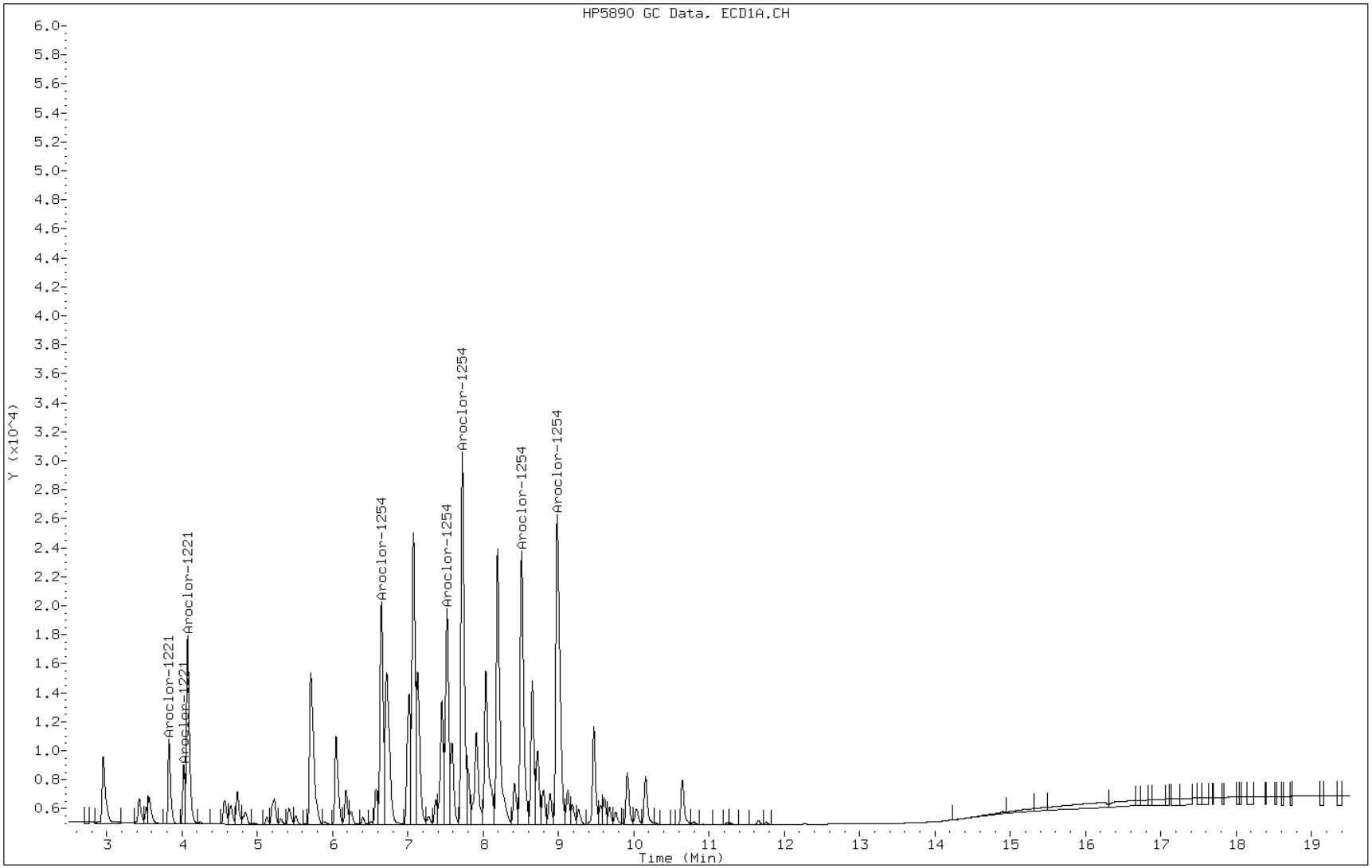
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
3.826	3.826	0.000	14187	250.000	254.6	50.00- 150.00	100.00
4.023	4.023	0.000	8028	250.000	238.7	55.26- 165.78	56.59
4.073	4.073	0.000	35690	250.000	279.4	317.01- 951.03	251.57
		Average of Peak Amounts =			257.567		
6 Aroclor-1254					CAS #: 11097-69-1		
6.646	6.646	0.000	43057	250.000	283.9	50.00- 150.00	100.00
7.520	7.520	0.000	44017	250.000	269.6	11.81- 35.43	102.23
7.723	7.723	0.000	75811	250.000	255.1	38.91- 116.75	176.07
8.510	8.510	0.000	60620	250.000	275.3	305.32- 915.96	140.79
8.983	8.983	0.000	79271	250.000	268.9	12.43- 37.29	184.11
		Average of Peak Amounts =			270.560		

Data File: 011F1101.D

Date: 07-APR-2012 18:01

Client ID: Instrument: GC_W.i

Sample Info: IC-1275473, L4 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\012F1201.D
Lab Smp Id: IC-1275499
Inj Date : 07-APR-2012 18:24
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275499, L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:27 Cal File: 031F3101.D
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

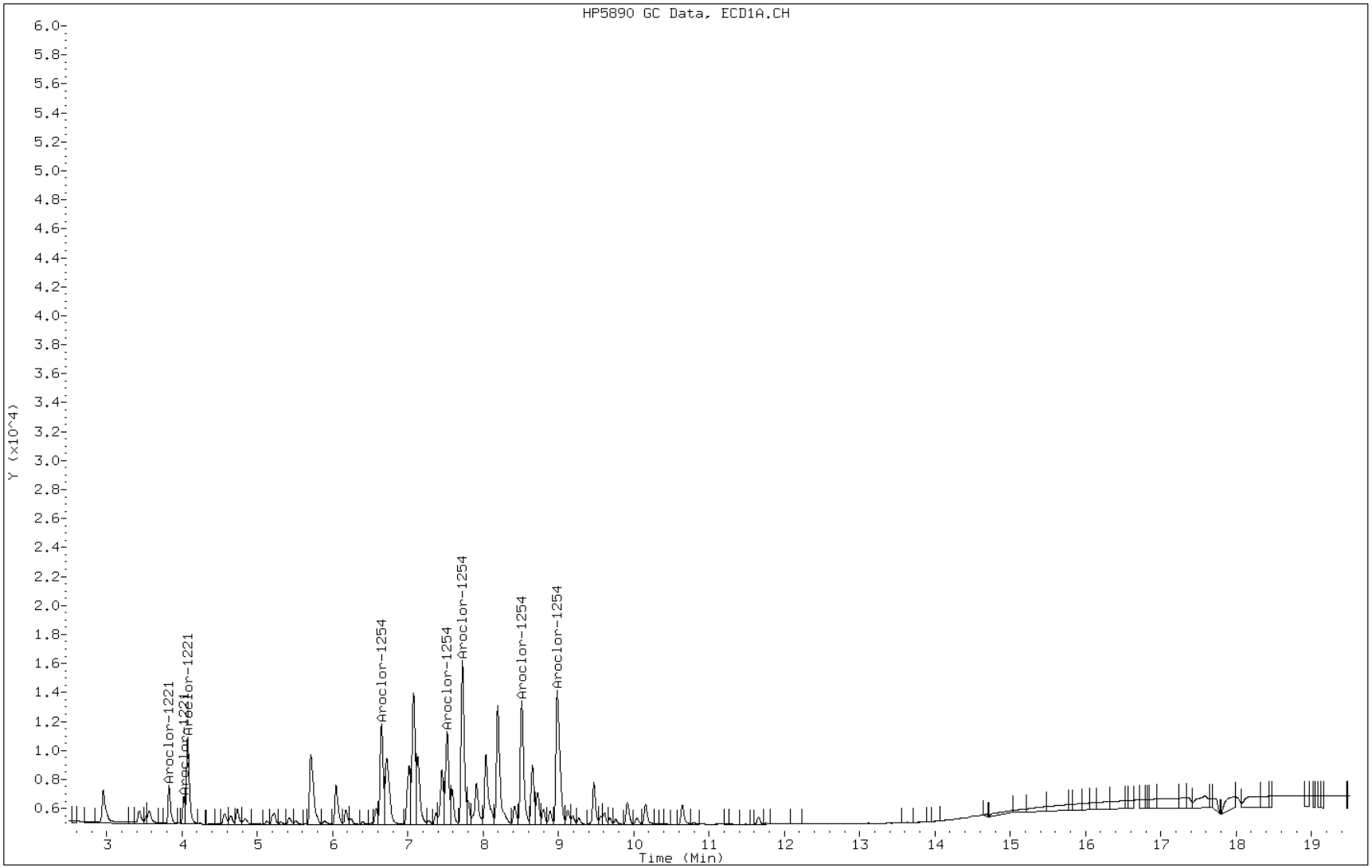
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
3.826	3.826	0.000	6457	100.000	104.7	50.00- 150.00	100.00
4.023	4.023	0.000	3732	100.000	86.44	55.26- 165.78	57.79
4.073	4.073	0.000	16389	100.000	114.4	317.01- 951.03	253.79
		Average of Peak Amounts =			101.847		
6 Aroclor-1254					CAS #: 11097-69-1		
6.650	6.646	0.004	19432	100.000	115.2	50.00- 150.00	100.00
7.520	7.520	0.000	19306	100.000	110.8	11.81- 35.43	99.35
7.723	7.723	0.000	32380	100.000	104.5	38.91- 116.75	166.63
8.510	8.510	0.000	26785	100.000	111.9	305.32- 915.96	137.84
8.983	8.983	0.000	33681	100.000	107.6	12.43- 37.29	173.33
		Average of Peak Amounts =			110.000		

Data File: 012F1201.D

Date: 07-APR-2012 18:24

Client ID: Instrument: GC_W.i

Sample Info: IC-1275499, L3 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\013F1301.D
Lab Smp Id: IC-1275500
Inj Date : 07-APR-2012 18:47
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275500, L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:50 Cal File: 032F3201.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

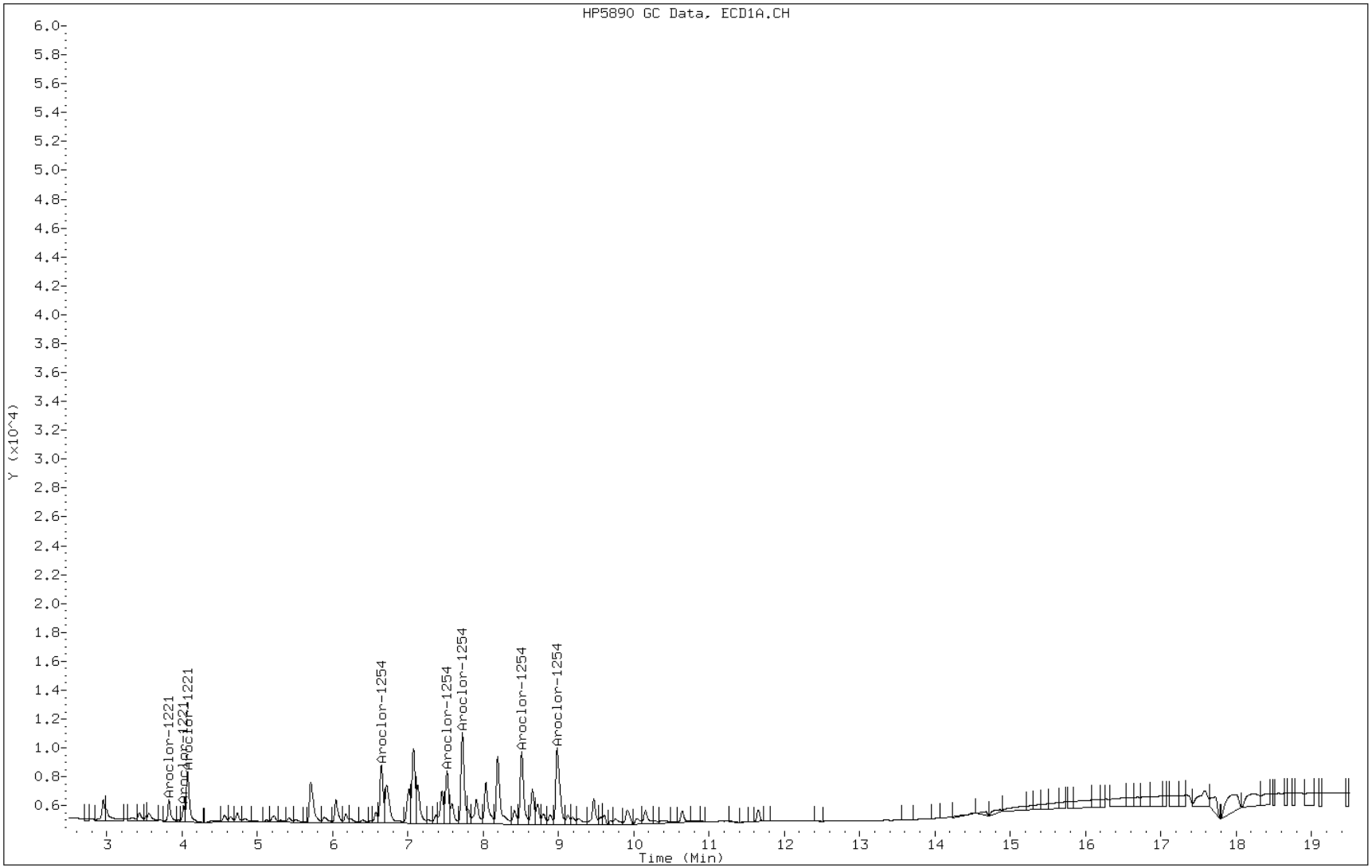
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
3.826	3.826	0.000	4031	50.0000	55.94	50.00- 150.00	100.00
4.020	4.023	-0.003	2275	50.0000	42.12	55.26- 165.78	56.44
4.073	4.073	0.000	9802	50.0000	57.24	317.01- 951.03	243.19
Average of Peak Amounts =					51.7667		
6 Aroclor-1254					CAS #: 11097-69-1		
6.646	6.646	0.000	11607	50.0000	57.92	50.00- 150.00	100.00
7.520	7.520	0.000	11007	50.0000	55.80	11.81- 35.43	94.83
7.723	7.723	0.000	18654	50.0000	55.67	38.91- 116.75	160.71
8.510	8.510	0.000	16312	50.0000	59.05	305.32- 915.96	140.53
8.983	8.983	0.000	19986	50.0000	57.18	12.43- 37.29	172.19
Average of Peak Amounts =					57.1240		

Data File: 013F1301.D

Date: 07-APR-2012 18:47

Client ID: Instrument: GC_W.i

Sample Info: IC-1275500, L2 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\014F1401.D
Lab Smp Id: IC-1275504
Inj Date : 07-APR-2012 19:10
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275504, L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 14 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

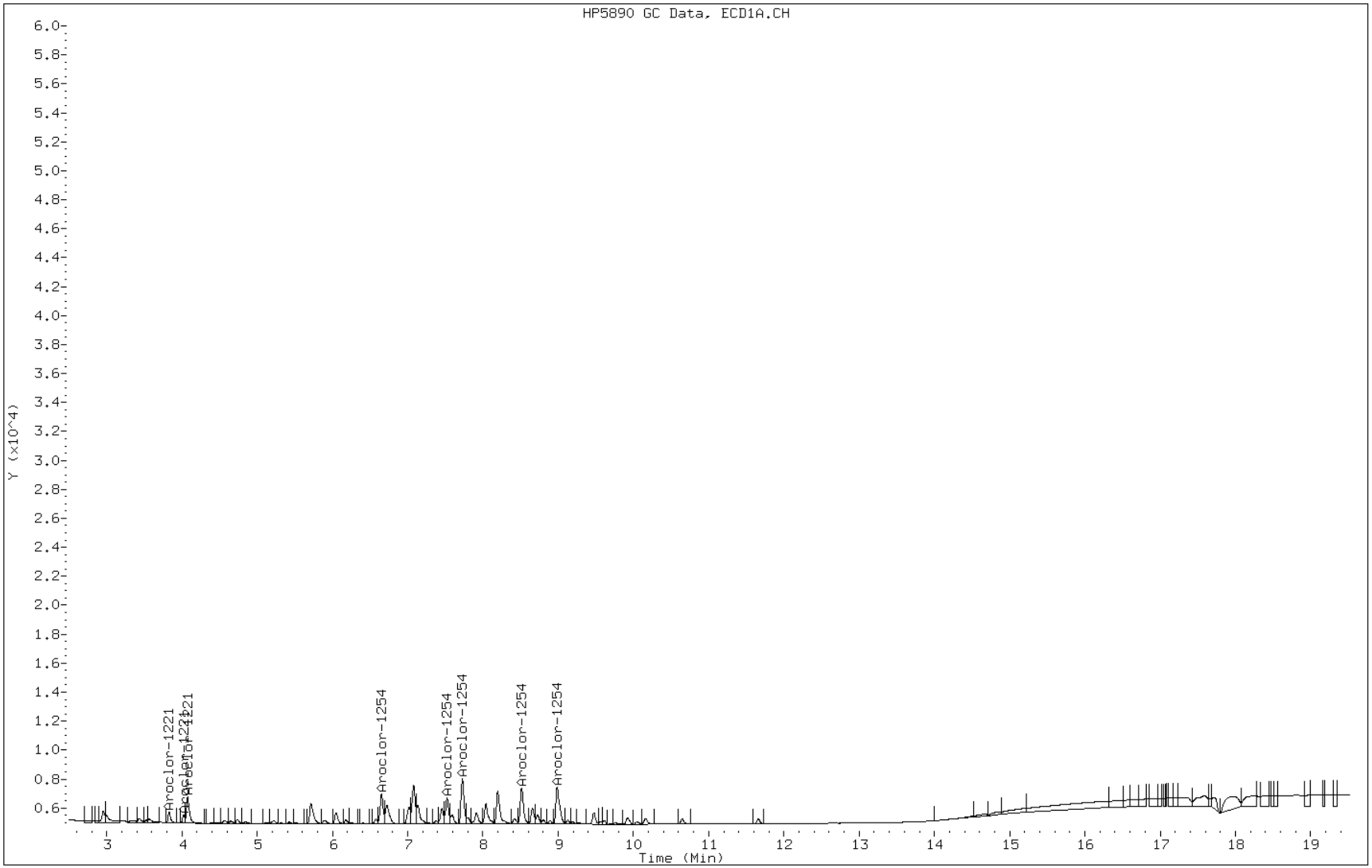
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
3.830	3.826	0.004	1889	25.0000	15.94	50.00- 150.00	100.00
4.023	4.023	0.000	1126	25.0000	15.08	55.26- 165.78	59.62
4.076	4.073	0.003	4968	25.0000	15.88	317.01- 951.03	262.93
		Average of Peak Amounts =			15.6333		
6 Aroclor-1254					CAS #: 11097-69-1		
6.650	6.646	0.004	5655	25.0000	15.36	50.00- 150.00	100.00
7.523	7.520	0.003	5185	25.0000	18.32	11.81- 35.43	91.70
7.726	7.723	0.003	8776	25.0000	21.37	38.91- 116.75	155.19
8.513	8.510	0.003	7484	25.0000	16.30	305.32- 915.96	132.34
8.986	8.983	0.003	9072	25.0000	18.48	12.43- 37.29	160.43
		Average of Peak Amounts =			17.9660		

Data File: 014F1401.D

Date: 07-APR-2012 19:10

Client ID: Instrument: GC_W.i

Sample Info: IC-1275504, L1 Operator: JAX



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 16:52 Calibration End Date: 04/07/2012 19:10 Calibration ID: 9003

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/14	014F1401.D
Level 2	IC 280-114734/13	013F1301.D
Level 3	IC 280-114734/12	012F1201.D
Level 4	IC 280-114734/11	011F1101.D
Level 5	IC 280-114734/10	010F1001.D
Level 6	IC 280-114734/9	009F0901.D
Level 7	IC 280-114734/8	008F0801.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1221 Peak 1	4.037	4.037	4.037	4.037	4.037	4.037	4.037				3.837 - 4.237	4.037
PCB-1221 Peak 2	4.223	4.220	4.223	4.220	4.220	4.220	4.220				4.020 - 4.420	4.221
PCB-1221 Peak 3	4.300	4.300	4.300	4.300	4.300	4.297	4.297				4.100 - 4.500	4.299
PCB-1254 Peak 1	7.133	7.130	7.130	7.130	7.130	7.127	7.127				6.930 - 7.330	7.130
PCB-1254 Peak 2	7.460	7.457	7.460	7.457	7.457	7.453	7.453				7.257 - 7.657	7.457
PCB-1254 Peak 3	8.217	8.217	8.217	8.213	8.213	8.213	8.210				8.013 - 8.413	8.214
PCB-1254 Peak 4	8.930	8.927	8.927	8.923	8.923	8.923	8.920				8.723 - 9.123	8.925
PCB-1254 Peak 5	9.533	9.530	9.533	9.530	9.530	9.527	9.527				9.330 - 9.730	9.530

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 16:52 Calibration End Date: 04/07/2012 19:10 Calibration ID: 9003

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/14	014F1401.D
Level 2	IC 280-114734/13	013F1301.D
Level 3	IC 280-114734/12	012F1201.D
Level 4	IC 280-114734/11	011F1101.D
Level 5	IC 280-114734/10	010F1001.D
Level 6	IC 280-114734/9	009F0901.D
Level 7	IC 280-114734/8	008F0801.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1221 Peak 1	50.160 39.098	49.260 36.811	46.120 34.419	42.220	Lin1	-15.714964	36.2152190							0.9946		0.9900
PCB-1221 Peak 2	36.080 28.238	35.560 26.476	33.710 24.069	30.816	Lin1	-16.694253	25.8734154							0.9918		0.9900
PCB-1221 Peak 3	124.00 94.204	113.72 87.025	112.40 79.249	104.27	Lin1	-17.205492	85.6356715							0.9904		0.9900
PCB-1254 Peak 1	212.44 151.51	204.68 139.52	186.01 128.53	167.28	Lin1	-21.416455	137.129844							0.9911		0.9900
PCB-1254 Peak 2	234.80 171.47	231.04 159.32	206.41 145.72	186.80	Lin1	-20.196088	155.622600							0.9919		0.9900
PCB-1254 Peak 3	314.64 239.22	302.50 224.07	282.94 207.51	260.31	Lin1	-16.917917	219.956385							0.9936		0.9900
PCB-1254 Peak 4	144.28 108.59	137.74 104.02	130.23 95.257	119.90	Lin1	-16.657441	101.148292							0.9937		0.9900
PCB-1254 Peak 5	282.76 233.29	290.10 222.16	263.15 204.08	247.16	Lin1	-13.428305	216.434401							0.9949		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 16:52 Calibration End Date: 04/07/2012 19:10 Calibration ID: 9003

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/14	014F1401.D
Level 2	IC 280-114734/13	013F1301.D
Level 3	IC 280-114734/12	012F1201.D
Level 4	IC 280-114734/11	011F1101.D
Level 5	IC 280-114734/10	010F1001.D
Level 6	IC 280-114734/9	009F0901.D
Level 7	IC 280-114734/8	008F0801.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Lin1	1254 27608	2463 34419	4612	10555	19549	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 2	Lin1	902 19857	1778 24069	3371	7704	14119	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 3	Lin1	3100 65269	5686 79249	11240	26067	47102	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 1	Lin1	5311 104640	10234 128525	18601	41819	75755	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 2	Lin1	5870 119491	11552 145718	20641	46699	85736	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 3	Lin1	7866 168054	15125 207511	28294	65077	119609	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 4	Lin1	3607 78014	6887 95257	13023	29976	54295	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 5	Lin1	7069 166622	14505 204082	26315	61790	116645	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\008F0801.D
Lab Smp Id: IC-1274688
Inj Date : 07-APR-2012 16:52
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1274688, 2154
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 22:54 Cal File: 027F2701.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None

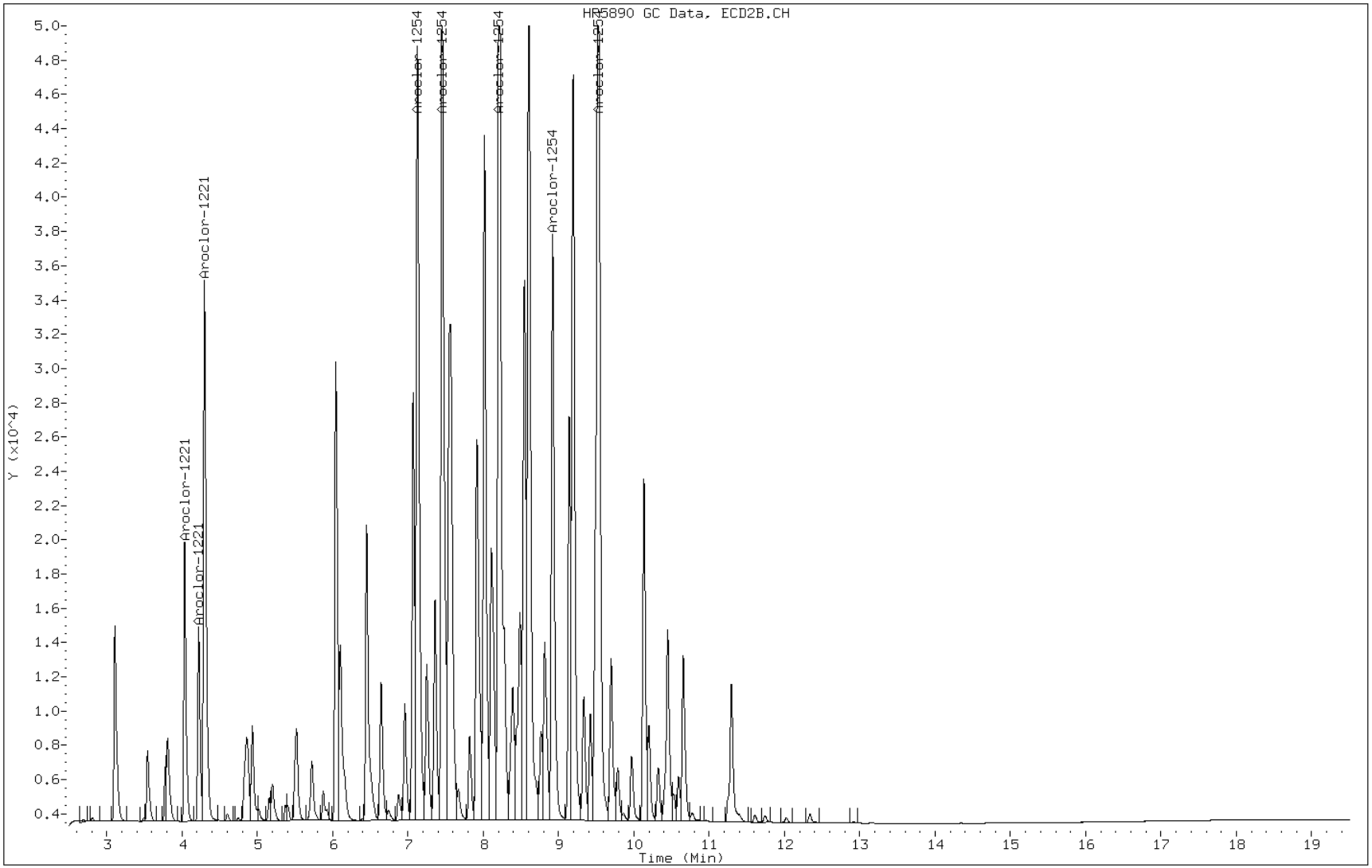
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
4.036	4.036	0.000	34419	1000.00	934.7	80.00- 120.00	100.00
4.220	4.220	0.000	24069	1000.00	913.6	35.47- 106.40	69.93
4.296	4.300	-0.004	79249	1000.00	908.2	110.25- 330.76	230.25
		Average of Peak Amounts =			918.833		
6 Aroclor-1254					CAS #: 11097-69-1		
7.126	7.130	-0.004	128525	1000.00	915.8	80.00- 120.00	100.00
7.453	7.456	-0.003	145718	1000.00	916.2	57.99- 173.98	113.38
8.210	8.213	-0.003	207511	1000.00	926.5	71.94- 215.81	161.46
8.920	8.923	-0.003	95257	1000.00	925.1	37.01- 111.04	74.12
9.526	9.530	-0.004	204082	1000.00	929.5	77.19- 231.58	158.79
		Average of Peak Amounts =			922.620		

Data File: 008F0801.D

Date: 07-APR-2012 16:52

Client ID: Instrument: GC_W.i

Sample Info: IC-1274688, 2154 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\009F0901.D
Lab Smp Id: IC-1275470
Inj Date : 07-APR-2012 17:15
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275470, L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:17 Cal File: 028F2801.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None

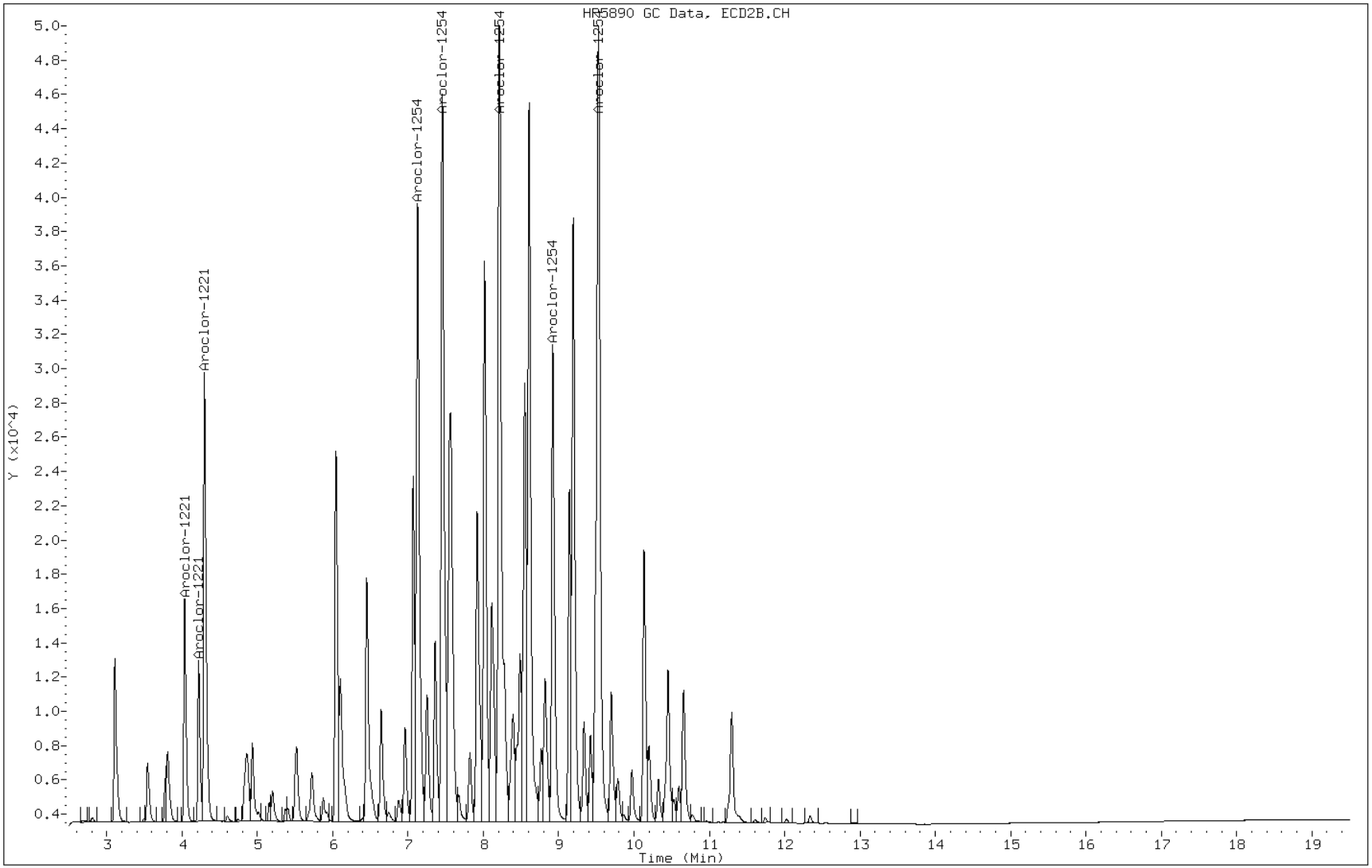
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
2 Aroclor-1221					CAS #: 11104-28-2			
4.036	4.036	0.000	27608	750.000	746.6	80.00- 120.00		100.00
4.220	4.220	0.000	19857	750.000	750.8	35.47- 106.40		71.92
4.296	4.300	-0.004	65269	750.000	745.0	110.25- 330.76		236.41
		Average of Peak Amounts =			747.467			
6 Aroclor-1254					CAS #: 11097-69-1			
7.126	7.130	-0.004	104640	750.000	741.6	80.00- 120.00		100.00
7.453	7.456	-0.003	119491	750.000	747.6	57.99- 173.98		114.19
8.213	8.213	0.000	168054	750.000	747.1	71.94- 215.81		160.60
8.923	8.923	0.000	78014	750.000	754.6	37.01- 111.04		74.55
9.526	9.530	-0.004	166622	750.000	756.4	77.19- 231.58		159.23
		Average of Peak Amounts =			749.460			

Data File: 009F0901.D

Date: 07-APR-2012 17:15

Client ID: Instrument: GC_W.i

Sample Info: IC-1275470, L6 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\010F1001.D
Lab Smp Id: IC-1275471
Inj Date : 07-APR-2012 17:38
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275471, L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:40 Cal File: 029F2901.D
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None

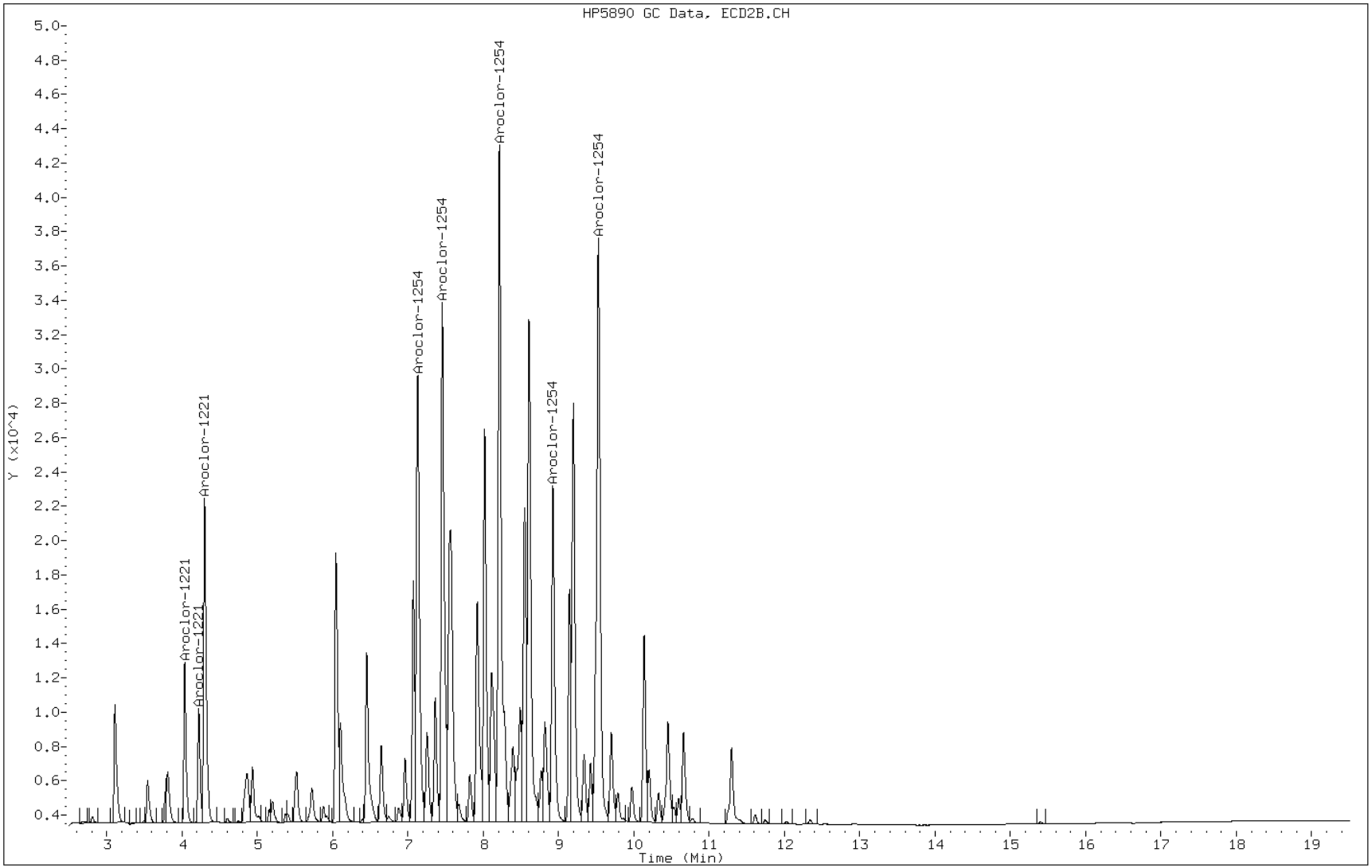
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
4.036	4.036	0.000	19549	500.000	524.1	80.00- 120.00	100.00
4.220	4.220	0.000	14119	500.000	529.0	35.47- 106.40	72.22
4.300	4.300	0.000	47102	500.000	532.8	110.25- 330.76	240.94
		Average of Peak Amounts =			528.633		
6 Aroclor-1254					CAS #: 11097-69-1		
7.130	7.130	0.000	75755	500.000	531.0	80.00- 120.00	100.00
7.456	7.456	0.000	85736	500.000	530.7	57.99- 173.98	113.18
8.213	8.213	0.000	119609	500.000	526.9	71.94- 215.81	157.89
8.923	8.923	0.000	54295	500.000	520.1	37.01- 111.04	71.67
9.530	9.530	0.000	116645	500.000	525.5	77.19- 231.58	153.98
		Average of Peak Amounts =			526.840		

Data File: 010F1001.D

Date: 07-APR-2012 17:38

Client ID: Instrument: GC_W.i

Sample Info: IC-1275471, L5 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\011F1101.D
Lab Smp Id: IC-1275473
Inj Date : 07-APR-2012 18:01
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275473, L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:03 Cal File: 030F3001.D
Als bottle: 11 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None

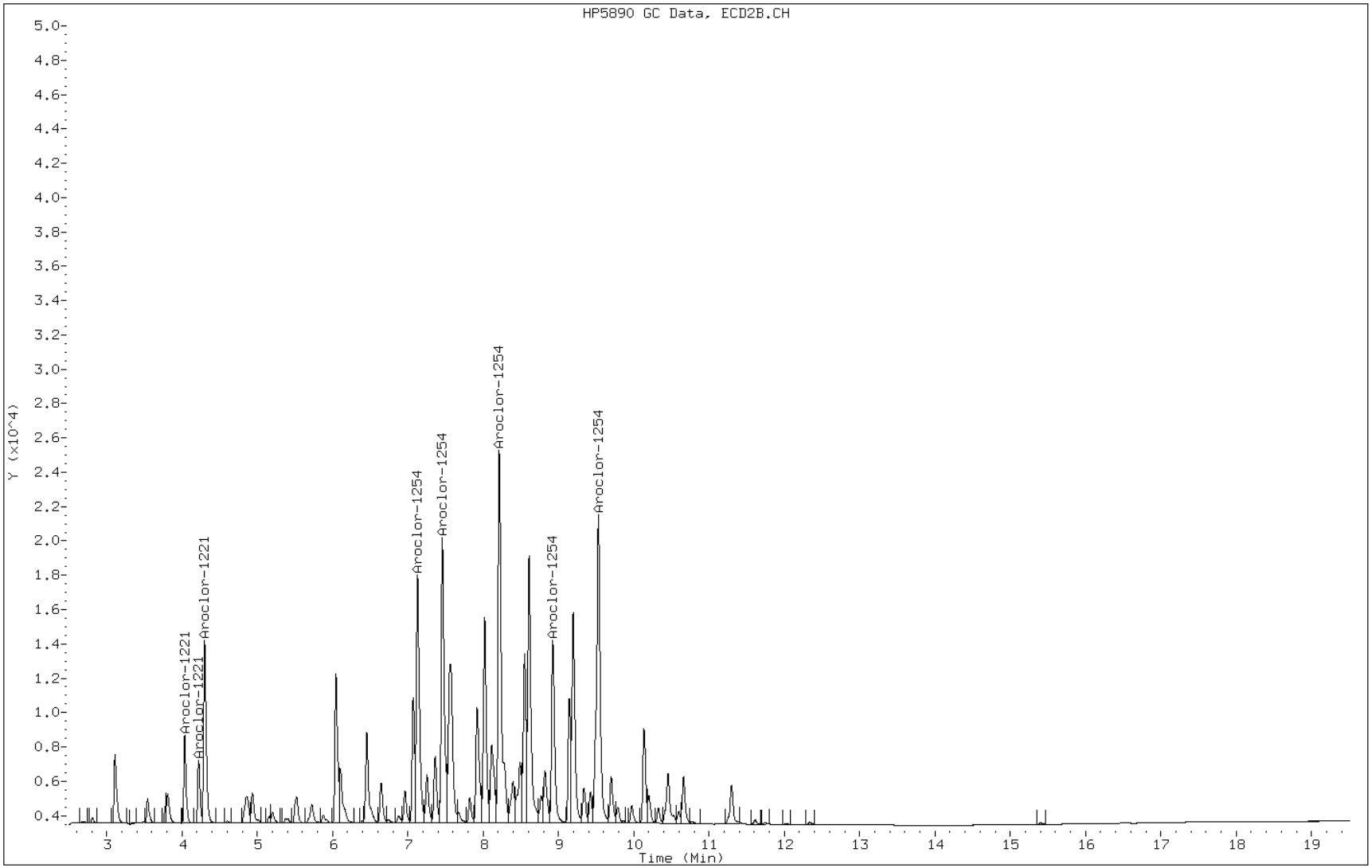
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
2 Aroclor-1221					CAS #: 11104-28-2			
4.036	4.036	0.000	10555	250.000	275.7	80.00- 120.00		100.00
4.220	4.220	0.000	7704	250.000	281.1	35.47- 106.40		72.99
4.300	4.300	0.000	26067	250.000	287.2	110.25- 330.76		246.96
Average of Peak Amounts =					281.333			
6 Aroclor-1254					CAS #: 11097-69-1			
7.130	7.130	0.000	41819	250.000	283.5	80.00- 120.00		100.00
7.456	7.456	0.000	46699	250.000	279.9	57.99- 173.98		111.67
8.213	8.213	0.000	65077	250.000	278.9	71.94- 215.81		155.62
8.923	8.923	0.000	29976	250.000	279.7	37.01- 111.04		71.68
9.530	9.530	0.000	61790	250.000	272.1	77.19- 231.58		147.76
Average of Peak Amounts =					278.820			

Data File: 011F1101.D

Date: 07-APR-2012 18:01

Client ID: Instrument: GC_W.i

Sample Info: IC-1275473, L4 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\012F1201.D
Lab Smp Id: IC-1275499
Inj Date : 07-APR-2012 18:24
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275499, L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:27 Cal File: 031F3101.D
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None

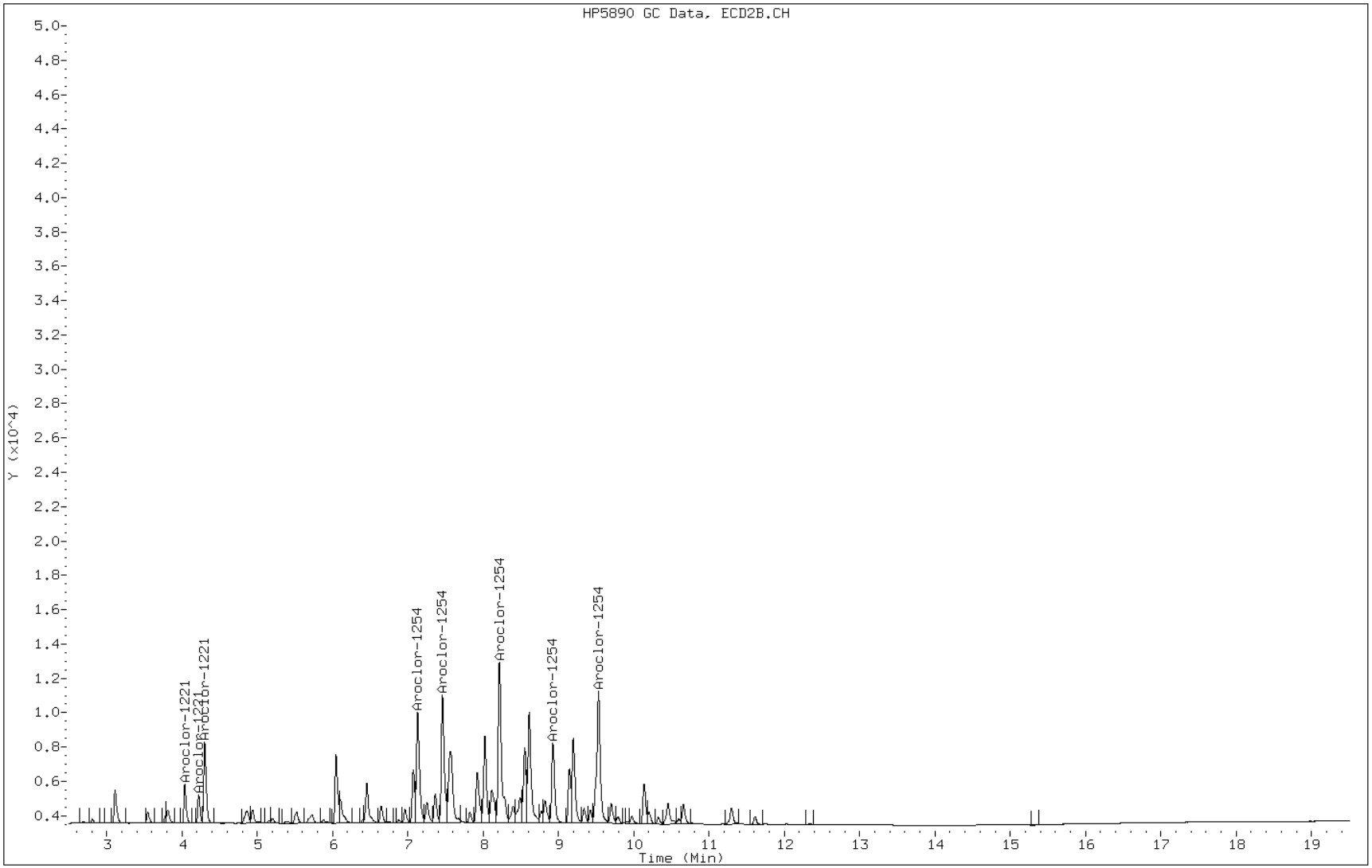
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
2 Aroclor-1221					CAS #: 11104-28-2			
4.036	4.036	0.000	4612	100.000	111.6	80.00- 120.00		100.00
4.223	4.220	0.003	3371	100.000	113.6	35.47- 106.40		73.09
4.300	4.300	0.000	11240	100.000	114.0	110.25- 330.76		243.71
		Average of Peak Amounts =			113.067			
6 Aroclor-1254					CAS #: 11097-69-1			
7.130	7.130	0.000	18601	100.000	114.2	80.00- 120.00		100.00
7.460	7.456	0.004	20641	100.000	112.4	57.99- 173.98		110.97
8.216	8.213	0.003	28294	100.000	111.7	71.94- 215.81		152.11
8.926	8.923	0.003	13023	100.000	112.1	37.01- 111.04		70.01
9.533	9.530	0.003	26315	100.000	108.2	77.19- 231.58		141.47
		Average of Peak Amounts =			111.720			

Data File: 012F1201.D

Date: 07-APR-2012 18:24

Client ID: Instrument: GC_W.i

Sample Info: IC-1275499, L3 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\013F1301.D
Lab Smp Id: IC-1275500
Inj Date : 07-APR-2012 18:47
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275500, L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:50 Cal File: 032F3201.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None

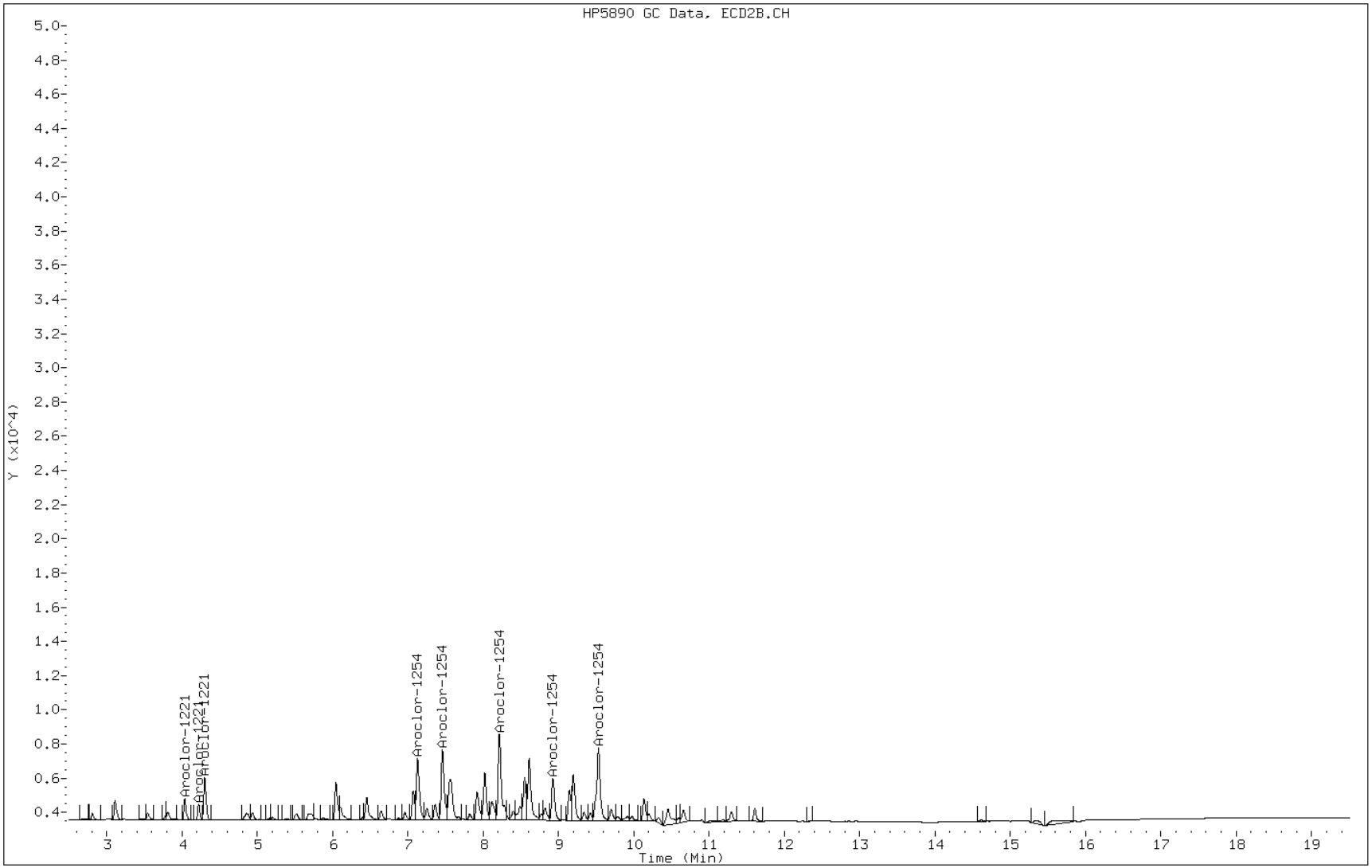
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
4.036	4.036	0.000	2463	50.0000	52.30	80.00- 120.00	100.00
4.220	4.220	0.000	1778	50.0000	52.02	35.47- 106.40	72.19
4.300	4.300	0.000	5686	50.0000	49.19	110.25- 330.76	230.86
		Average of Peak Amounts =			51.1700		
6 Aroclor-1254					CAS #: 11097-69-1		
7.130	7.130	0.000	10234	50.0000	53.21	80.00- 120.00	100.00
7.456	7.456	0.000	11552	50.0000	54.03	57.99- 173.98	112.88
8.216	8.213	0.003	15125	50.0000	51.84	71.94- 215.81	147.79
8.926	8.923	0.003	6887	50.0000	51.43	37.01- 111.04	67.30
9.530	9.530	0.000	14505	50.0000	53.59	77.19- 231.58	141.73
		Average of Peak Amounts =			52.8200		

Data File: 013F1301.D

Date: 07-APR-2012 18:47

Client ID: Instrument: GC_W.i

Sample Info: IC-1275500, L2 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\014F1401.D
Lab Smp Id: IC-1275504
Inj Date : 07-APR-2012 19:10
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275504, L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 14 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None

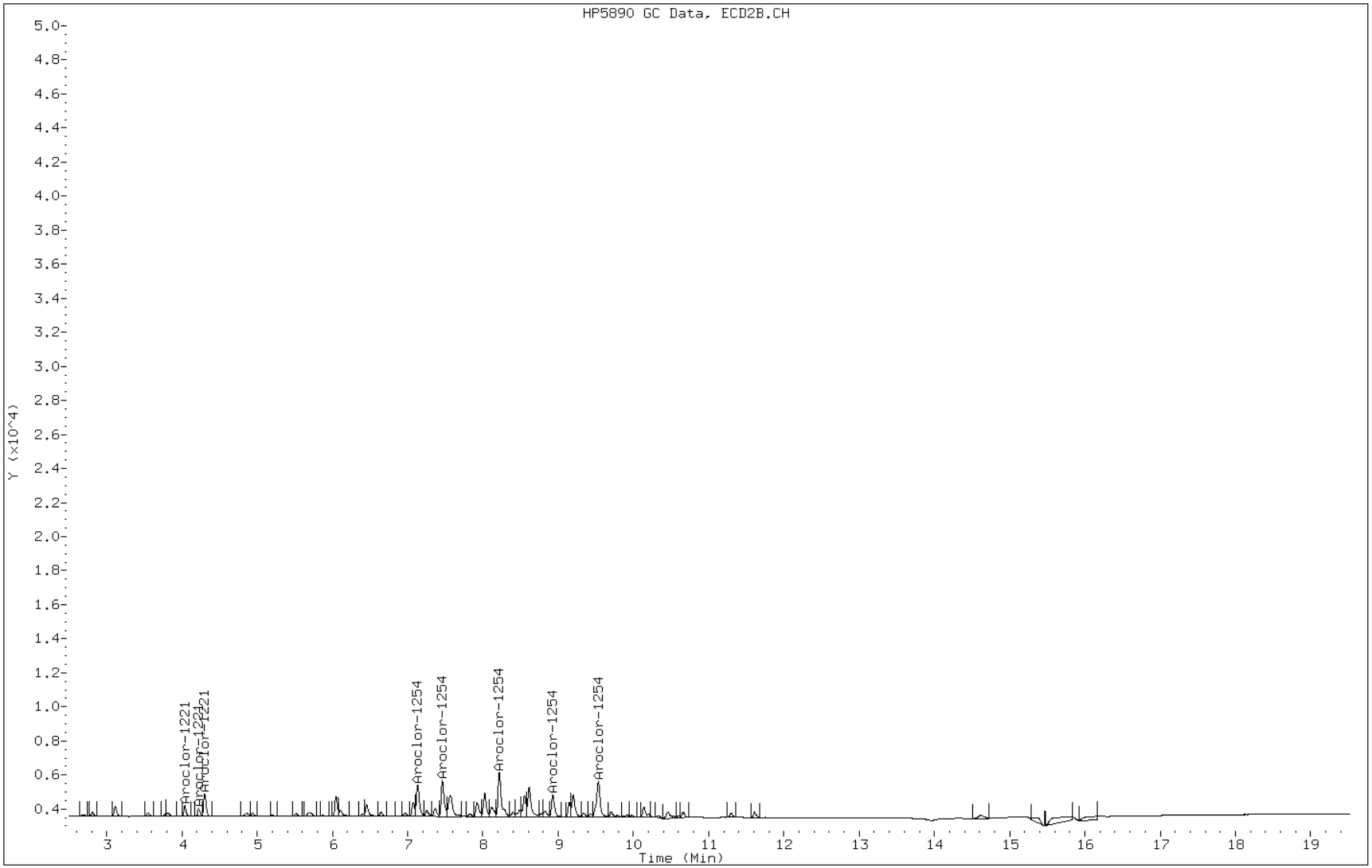
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
4.036	4.036	0.000	1254	25.0000	18.91	80.00- 120.00	100.00
4.223	4.220	0.003	902	25.0000	18.17	35.47- 106.40	71.93
4.300	4.300	0.000	3100	25.0000	18.99	110.25- 330.76	247.21
		Average of Peak Amounts =			18.6900		
6 Aroclor-1254					CAS #: 11097-69-1		
7.133	7.130	0.003	5311	25.0000	17.31	80.00- 120.00	100.00
7.460	7.456	0.004	5870	25.0000	17.52	57.99- 173.98	110.53
8.216	8.213	0.003	7866	25.0000	18.84	71.94- 215.81	148.11
8.930	8.923	0.007	3607	25.0000	19.00	37.01- 111.04	67.92
9.533	9.530	0.003	7069	25.0000	19.23	77.19- 231.58	133.10
		Average of Peak Amounts =			18.3800		

Data File: 014F1401.D

Date: 07-APR-2012 19:10

Client ID: Instrument: GC_W.i

Sample Info: IC-1275504, L1 Operator: JAX



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 19:33 Calibration End Date: 04/07/2012 21:52 Calibration ID: 8999

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/21	021F2101.D
Level 2	IC 280-114734/20	020F2001.D
Level 3	IC 280-114734/19	019F1901.D
Level 4	IC 280-114734/18	018F1801.D
Level 5	ICRT 280-114734/17	017F1701.D
Level 6	IC 280-114734/16	016F1601.D
Level 7	IC 280-114734/15	015F1501.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	4.077	4.077	4.073	4.073	4.073	4.073	4.073				3.873 - 4.273	4.074
PCB-1016 Peak 2	4.563	4.563	4.563	4.563	4.563	4.563	4.560				4.363 - 4.763	4.563
PCB-1016 Peak 3	5.223	5.223	5.223	5.223	5.223	5.223	5.223				5.023 - 5.423	5.223
PCB-1016 Peak 4	5.420	5.423	5.420	5.420	5.420	5.420	5.420				5.220 - 5.620	5.420
PCB-1016 Peak 5	7.077	7.080	7.077	7.073	7.077	7.073	7.073				6.877 - 7.277	7.076
PCB-1260 Peak 1	8.037	8.037	8.037	8.033	8.033	8.030	8.030				7.833 - 8.233	8.034
PCB-1260 Peak 2	8.513	8.513	8.510	8.507	8.507	8.507	8.507				8.307 - 8.707	8.509
PCB-1260 Peak 3	8.987	8.987	8.983	8.980	8.980	8.980	8.977				8.780 - 9.180	8.982
PCB-1260 Peak 4	10.157	10.157	10.157	10.153	10.153	10.153	10.150				9.953 - 10.353	10.154
PCB-1260 Peak 5	10.647	10.647	10.647	10.643	10.643	10.640	10.640				10.443 - 10.843	10.644
Tetrachloro-m-xylene	3.580	3.580	3.580	3.580	3.580	3.580	3.580				3.380 - 3.780	3.580
DCB Decachlorobiphenyl	12.603	12.603	12.603	12.600	12.600	12.600	12.600				12.400 - 12.800	12.601

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 19:33 Calibration End Date: 04/07/2012 21:52 Calibration ID: 8999

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/21	021F2101.D
Level 2	IC 280-114734/20	020F2001.D
Level 3	IC 280-114734/19	019F1901.D
Level 4	IC 280-114734/18	018F1801.D
Level 5	ICRT 280-114734/17	017F1701.D
Level 6	IC 280-114734/16	016F1601.D
Level 7	IC 280-114734/15	015F1501.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	137.28 90.148	125.70 84.187	112.35 79.246	101.14	Lin1	-23.299028	82.7244391							0.9936		0.9900
PCB-1016 Peak 2	297.56 190.58	269.78 177.96	245.25 165.68	217.11	Lin1	-25.151797	174.346258							0.9919		0.9900
PCB-1016 Peak 3	423.64 337.33	401.72 324.30	380.63 305.72	364.57	Lin1	-12.343438	318.557718							0.9967		0.9900
PCB-1016 Peak 4	209.00 151.25	194.66 142.07	179.59 133.65	165.41	Lin1	-17.997538	139.792465							0.9949		0.9900
PCB-1016 Peak 5	139.72 107.48	136.74 102.55	127.54 95.621	120.55	Lin1	-15.803112	100.777457							0.9940		0.9900
PCB-1260 Peak 1	355.00 241.80	326.20 228.09	301.46 214.59	271.32	Lin1	-21.071089	224.084074							0.9940		0.9900
PCB-1260 Peak 2	615.72 426.64	567.82 402.98	525.85 378.60	476.45	Lin1	-20.129902	395.724893							0.9942		0.9900
PCB-1260 Peak 3	515.76 394.95	482.10 378.35	457.24 357.94	429.47	Lin1	-14.124509	372.026909							0.9965		0.9900
PCB-1260 Peak 4	587.48 449.24	545.56 432.27	518.82 411.11	487.02	Lin1	-13.659927	425.215357							0.9970		0.9900
PCB-1260 Peak 5	273.08 224.06	260.42 218.08	251.08 207.08	240.29	Lin1	-10.380901	214.265811							0.9977		0.9900
Tetrachloro-m-xylene	5124.0 4131.5	4801.6 4040.3	4525.4 3884.3	4411.4	Lin1	-0.4930879	3977.92592							0.9986		0.9900
DCB Decachlorobiphenyl	6465.6 4673.8	6012.0 4461.1	5590.6 4177.7	5243.4	Lin1	-0.8745558	4375.58007							0.9947		

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 19:33 Calibration End Date: 04/07/2012 21:52 Calibration ID: 8999

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/21	021F2101.D
Level 2	IC 280-114734/20	020F2001.D
Level 3	IC 280-114734/19	019F1901.D
Level 4	IC 280-114734/18	018F1801.D
Level 5	ICRT 280-114734/17	017F1701.D
Level 6	IC 280-114734/16	016F1601.D
Level 7	IC 280-114734/15	015F1501.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Lin1	3432 63140	6285 79246	11235	25285	45074	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 2	Lin1	7439 133473	13489 165679	24525	54277	95292	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 3	Lin1	10591 243226	20086 305721	38063	91143	168667	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 4	Lin1	5225 106556	9733 133647	17959	41352	75624	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 5	Lin1	3493 76910	6837 95621	12754	30138	53738	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 1	Lin1	8875 171065	16310 214588	30146	67830	120900	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 2	Lin1	15393 302238	28391 378600	52585	119113	213322	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 3	Lin1	12894 283759	24105 357935	45724	107368	197477	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 4	Lin1	14687 324203	27278 411107	51882	121755	224621	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 5	Lin1	6827 163561	13021 207078	25108	60073	112032	25.0 750	50.0 1000	100	250	500
Tetrachloro-m-xylene	Lin1	6405 151510	12004 194217	22627	55142	103287	1.25 37.5	2.50 50.0	5.00	12.5	25.0
DCB Decachlorobiphenyl	Lin1	8082 167293	15030 208883	27953	65542	116846	1.25 37.5	2.50 50.0	5.00	12.5	25.0

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\015F1501.D
Lab Smp Id: IC-1274673
Inj Date : 07-APR-2012 19:33
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1274673, 1660
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 22:54 Cal File: 027F2701.D
Als bottle: 15 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None

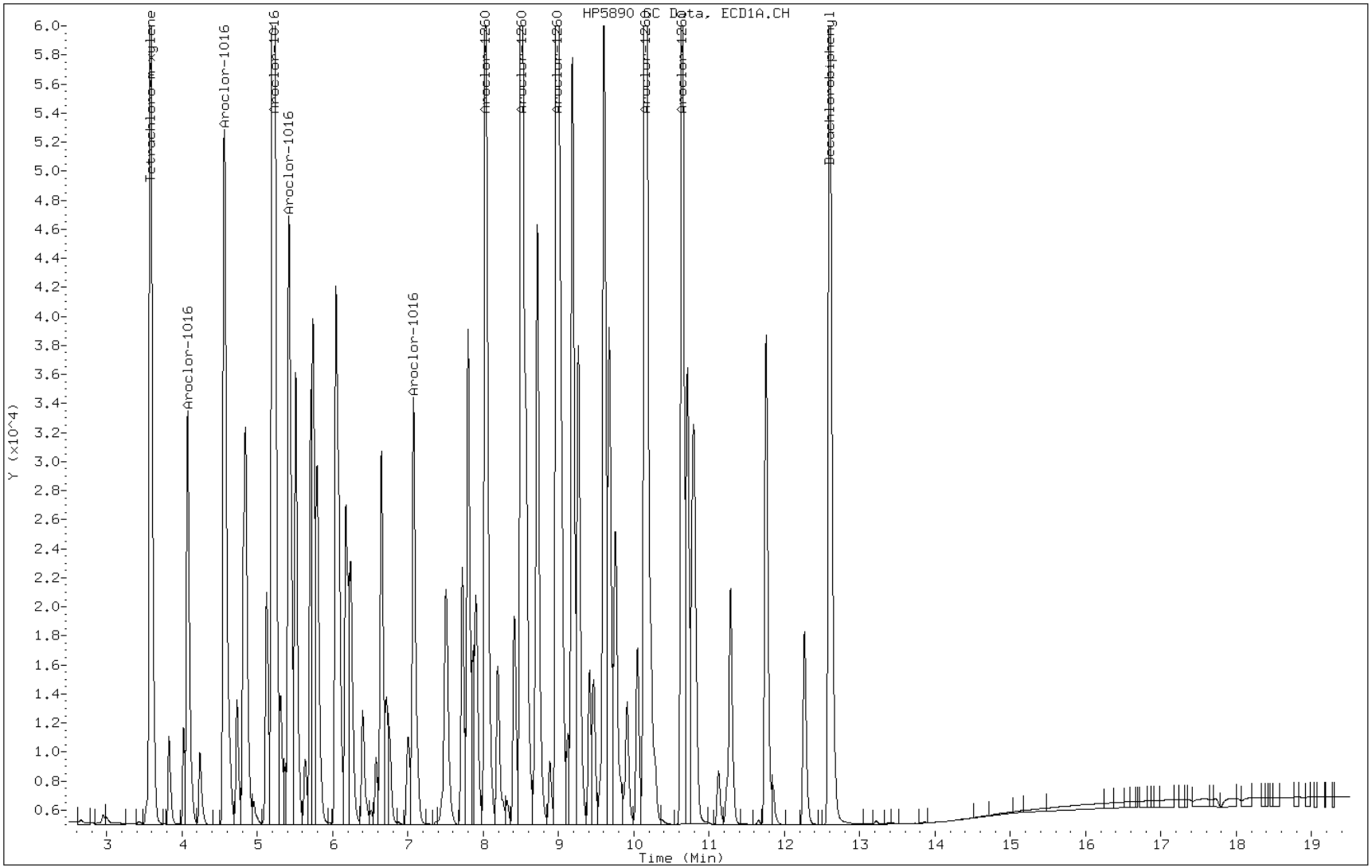
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.073	4.073	0.000	79246	1000.00	920.0	50.00- 150.00	100.00
4.560	4.563	-0.003	165679	1000.00	908.4	38.38- 115.14	209.07
5.223	5.223	0.000	305721	1000.00	934.9	21.89- 65.67	385.79
5.420	5.420	0.000	133647	1000.00	939.4	19.98- 59.94	168.65
7.073	7.076	-0.003	95621	1000.00	919.9	19.98- 59.94	120.66
		Average of Peak Amounts =			924.520		
7 Aroclor-1260					CAS #: 11096-82-5		
8.030	8.033	-0.003	214588	1000.00	926.9	50.00- 150.00	100.00
8.506	8.506	0.000	378600	1000.00	924.1	79.28- 237.84	176.43
8.976	8.980	-0.004	357935	1000.00	933.4	38.87- 116.60	166.80
10.150	10.153	-0.003	411107	1000.00	940.9	40.33- 120.99	191.58
10.640	10.643	-0.003	207078	1000.00	945.1	22.45- 67.34	96.50
		Average of Peak Amounts =			934.080		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.580	3.580	0.000	194217	50.0000	46.78		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.600	12.600	0.000	208883	50.0000	45.83		

Data File: 015F1501.D

Date: 07-APR-2012 19:33

Client ID: Instrument: GC_W.i

Sample Info: IC-1274673, 1660 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\016F1601.D
Lab Smp Id: IC-1275918
Inj Date : 07-APR-2012 19:56
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275918, L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:17 Cal File: 028F2801.D
Als bottle: 16 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None

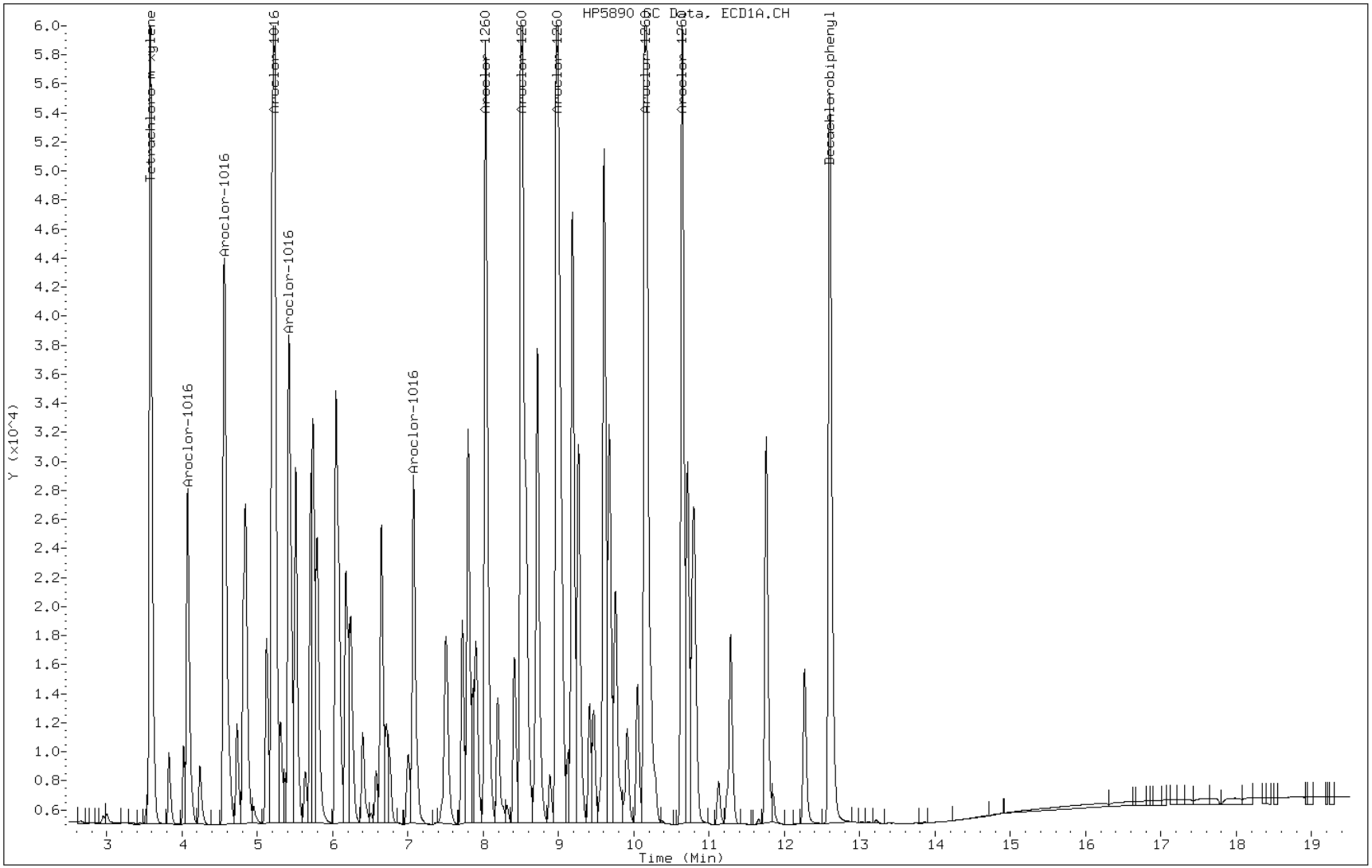
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.073	4.073	0.000	63140	750.000	731.4	50.00- 150.00	100.00
4.563	4.563	0.000	133473	750.000	730.6	38.38- 115.14	211.39
5.223	5.223	0.000	243226	750.000	747.7	21.89- 65.67	385.22
5.420	5.420	0.000	106556	750.000	748.6	19.98- 59.94	168.76
7.073	7.076	-0.003	76910	750.000	736.6	19.98- 59.94	121.81
	Average of Peak Amounts =				738.980		
7 Aroclor-1260					CAS #: 11096-82-5		
8.030	8.033	-0.003	171065	750.000	732.7	50.00- 150.00	100.00
8.506	8.506	0.000	302238	750.000	733.9	79.28- 237.84	176.68
8.980	8.980	0.000	283759	750.000	738.6	38.87- 116.60	165.88
10.153	10.153	0.000	324203	750.000	740.3	40.33- 120.99	189.52
10.640	10.643	-0.003	163561	750.000	744.6	22.45- 67.34	95.61
	Average of Peak Amounts =				738.020		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.580	3.580	0.000	151510	37.5000	36.77		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.600	12.600	0.000	167293	37.5000	36.83		

Data File: 016F1601.D

Date: 07-APR-2012 19:56

Client ID: Instrument: GC_W.i

Sample Info: IC-1275918, L6 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\017F1701.D
Lab Smp Id: ICRT-1332881
Inj Date : 07-APR-2012 20:20
Operator : JAX Inst ID: GC_W.i
Smp Info : ICRT-1332881, L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:40 Cal File: 029F2901.D
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None

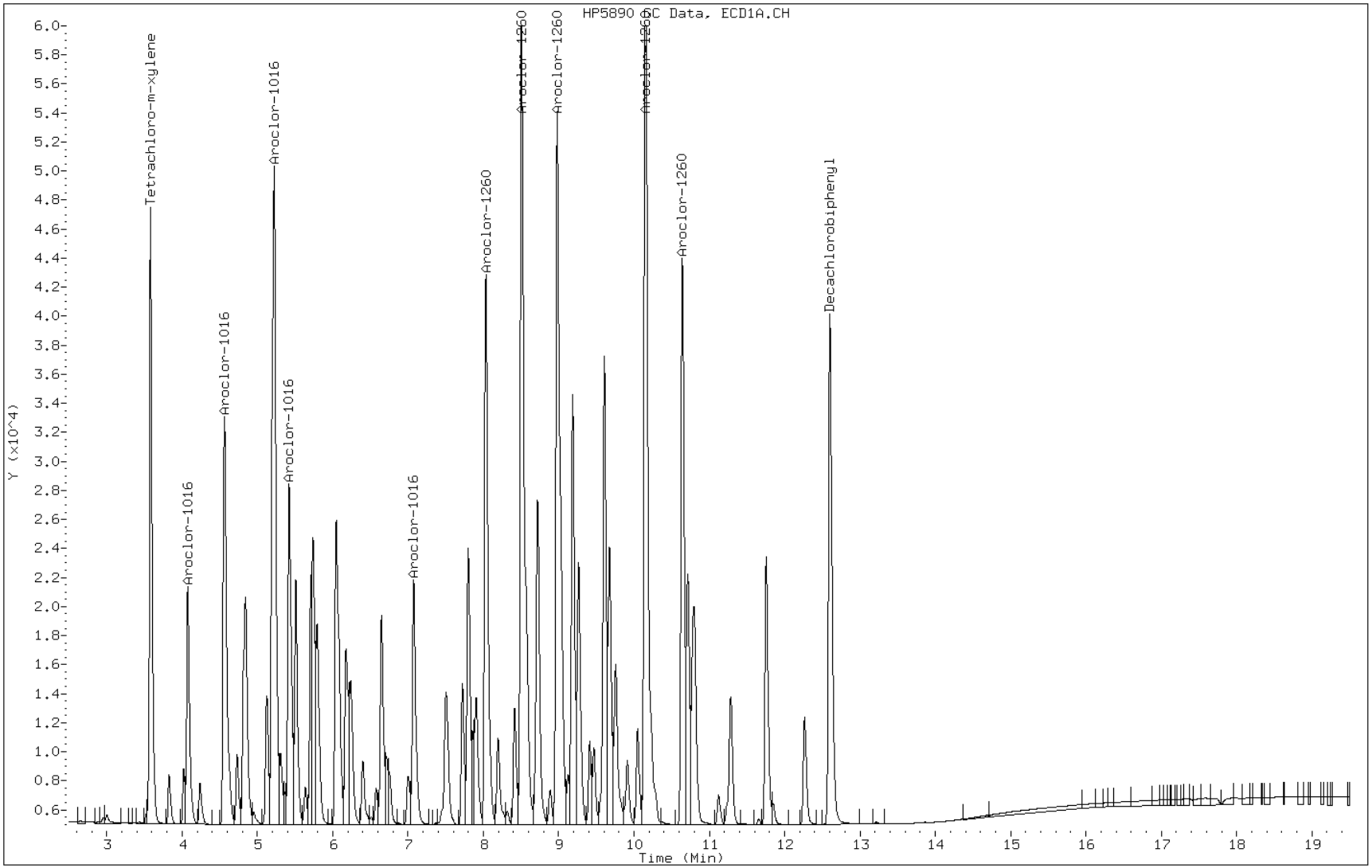
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.073	4.073	0.000	45074	500.000	518.2	50.00- 150.00	100.00
4.563	4.563	0.000	95292	500.000	517.5	38.38- 115.14	211.41
5.223	5.223	0.000	168667	500.000	515.5	21.89- 65.67	374.20
5.420	5.420	0.000	75624	500.000	522.4	19.98- 59.94	167.78
7.076	7.076	0.000	53738	500.000	515.4	19.98- 59.94	119.22
		Average of Peak Amounts =			517.800		
7 Aroclor-1260					CAS #: 11096-82-5		
8.033	8.033	0.000	120900	500.000	515.3	50.00- 150.00	100.00
8.506	8.506	0.000	213322	500.000	515.7	79.28- 237.84	176.44
8.980	8.980	0.000	197477	500.000	513.4	38.87- 116.60	163.34
10.153	10.153	0.000	224621	500.000	512.2	40.33- 120.99	185.79
10.643	10.643	0.000	112032	500.000	509.1	22.45- 67.34	92.67
		Average of Peak Amounts =			513.140		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.580	3.580	0.000	103287	25.0000	25.28		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.600	12.600	0.000	116846	25.0000	25.68		

Data File: 017F1701.D

Date: 07-APR-2012 20:20

Client ID: Instrument: GC_W.i

Sample Info: ICRT-1332881, L5 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\018F1801.D
Lab Smp Id: IC-1275562
Inj Date : 07-APR-2012 20:42
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275562, L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:03 Cal File: 030F3001.D
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None

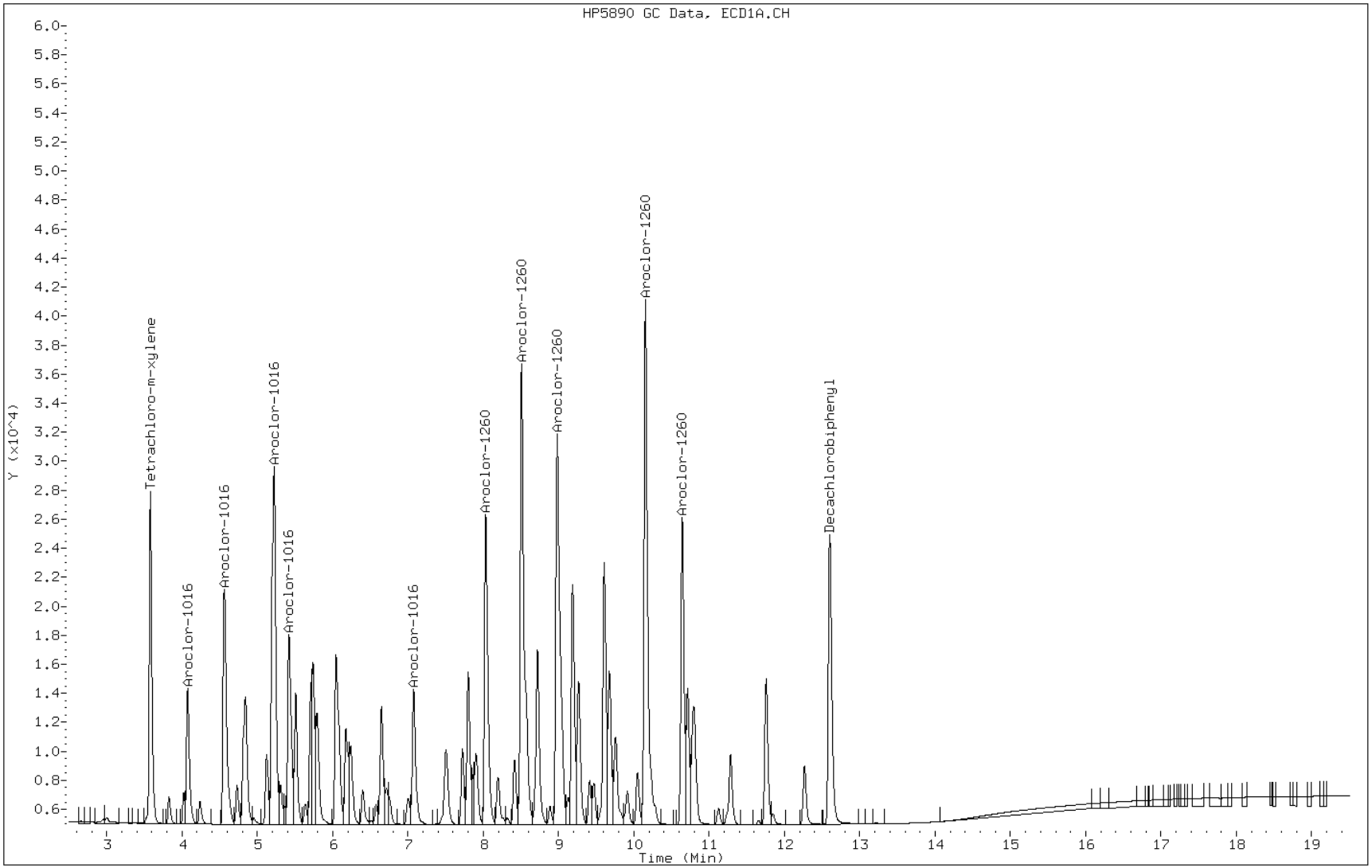
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
1 Aroclor-1016						CAS #: 12674-11-2		
4.073	4.073	0.000	25285	250.000	281.7	50.00-	150.00	100.00
4.563	4.563	0.000	54277	250.000	283.2	38.38-	115.14	214.66
5.223	5.223	0.000	91143	250.000	272.7	21.89-	65.67	360.46
5.420	5.420	0.000	41352	250.000	277.8	19.98-	59.94	163.54
7.073	7.076	-0.003	30138	250.000	281.5	19.98-	59.94	119.19
Average of Peak Amounts =					279.380			
7 Aroclor-1260						CAS #: 11096-82-5		
8.033	8.033	0.000	67830	250.000	279.2	50.00-	150.00	100.00
8.506	8.506	0.000	119113	250.000	278.4	79.28-	237.84	175.61
8.980	8.980	0.000	107368	250.000	272.1	38.87-	116.60	158.29
10.153	10.153	0.000	121755	250.000	271.3	40.33-	120.99	179.50
10.643	10.643	0.000	60073	250.000	267.2	22.45-	67.34	88.56
Average of Peak Amounts =					273.640			
$ 12 Tetrachloro-m-xylene						CAS #: 877-09-8		
3.580	3.580	0.000	55142	12.5000	13.25			
$ 13 Decachlorobiphenyl						CAS #: 2051-24-3		
12.600	12.600	0.000	65542	12.5000	13.99			

Data File: 018F1801.D

Date: 07-APR-2012 20:42

Client ID: Instrument: GC_W.i

Sample Info: IC-1275562, L4 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\019F1901.D
Lab Smp Id: IC-1275563
Inj Date : 07-APR-2012 21:05
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275563, L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:27 Cal File: 031F3101.D
Als bottle: 19 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None

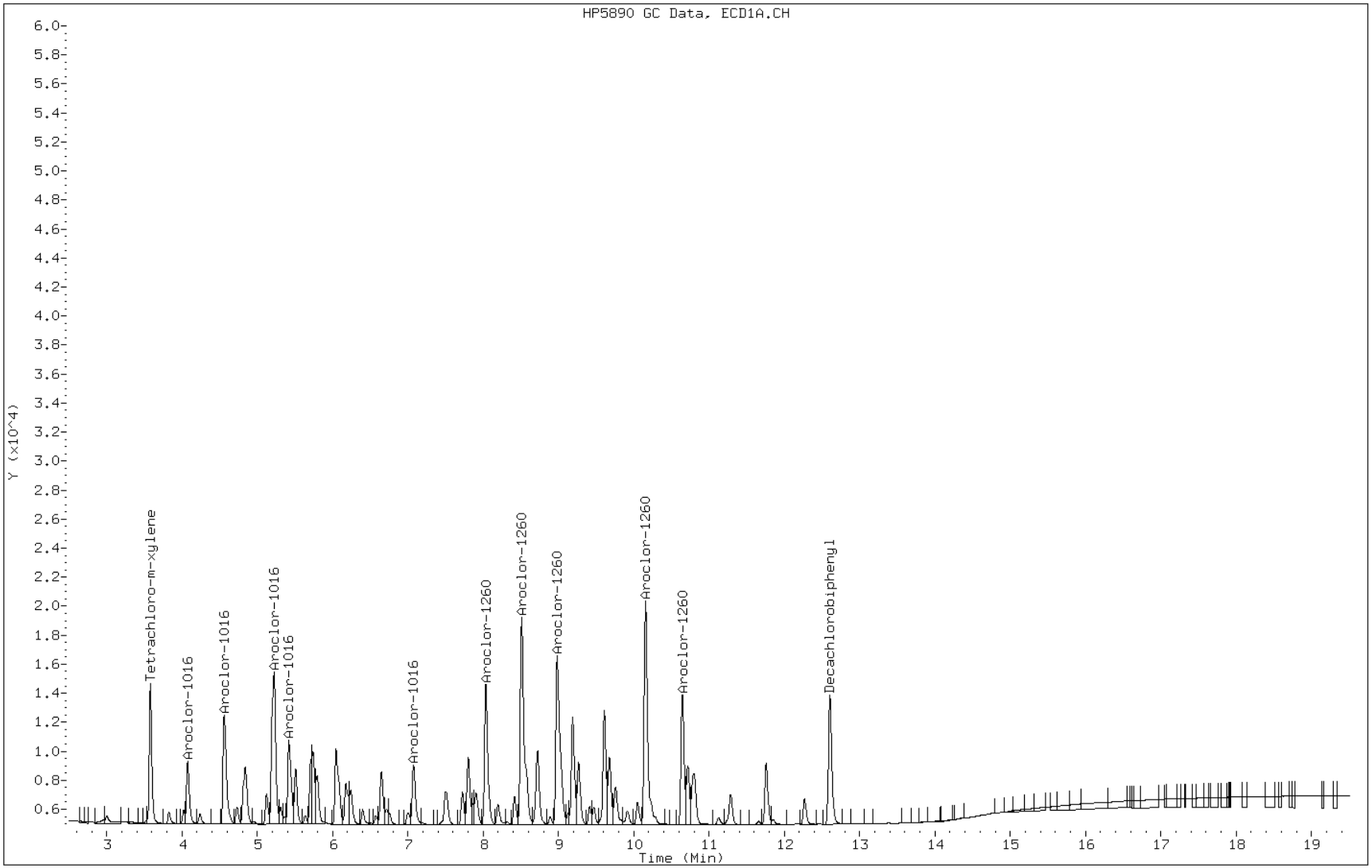
				AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.073	4.073	0.000	11235	100.000	114.8	50.00- 150.00	100.00
4.563	4.563	0.000	24525	100.000	114.0	38.38- 115.14	218.29
5.223	5.223	0.000	38063	100.000	106.8	21.89- 65.67	338.79
5.420	5.420	0.000	17959	100.000	111.2	19.98- 59.94	159.85
7.076	7.076	0.000	12754	100.000	109.5	19.98- 59.94	113.52
	Average of Peak Amounts =				111.260		
7 Aroclor-1260					CAS #: 11096-82-5		
8.036	8.033	0.003	30146	100.000	112.1	50.00- 150.00	100.00
8.510	8.506	0.004	52585	100.000	111.5	79.28- 237.84	174.43
8.983	8.980	0.003	45724	100.000	107.6	38.87- 116.60	151.68
10.156	10.153	0.003	51882	100.000	108.2	40.33- 120.99	172.10
10.646	10.643	0.003	25108	100.000	105.0	22.45- 67.34	83.29
	Average of Peak Amounts =				108.880		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.580	3.580	0.000	22627	5.00000	5.1664		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.603	12.600	0.003	27953	5.00000	5.4539		

Data File: 019F1901.D

Date: 07-APR-2012 21:05

Client ID: Instrument: GC_W.i

Sample Info: IC-1275563, L3 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\020F2001.D
Lab Smp Id: IC-1275577
Inj Date : 07-APR-2012 21:29
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275577, L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:50 Cal File: 032F3201.D
Als bottle: 20 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None

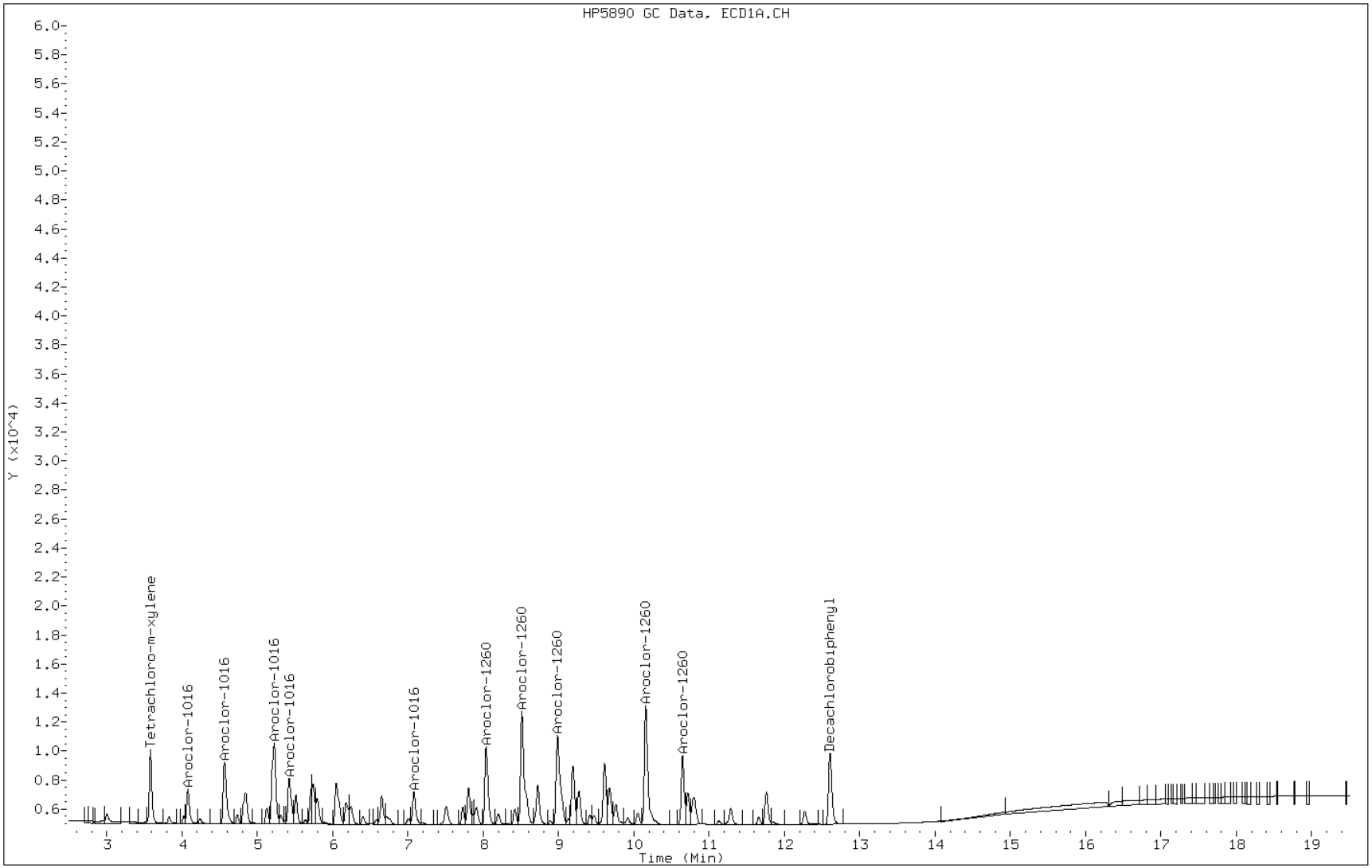
				AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.076	4.073	0.003	6285	50.0000	54.84	50.00- 150.00	100.00
4.563	4.563	0.000	13489	50.0000	51.17	38.38- 115.14	214.62
5.223	5.223	0.000	20086	50.0000	50.55	21.89- 65.67	319.59
5.423	5.420	0.003	9733	50.0000	52.30	19.98- 59.94	154.86
7.080	7.076	0.004	6837	50.0000	51.18	19.98- 59.94	108.78
	Average of Peak Amounts =				52.0080		
7 Aroclor-1260					CAS #: 11096-82-5		
8.036	8.033	0.003	16310	50.0000	50.87	50.00- 150.00	100.00
8.513	8.506	0.007	28391	50.0000	50.85	79.28- 237.84	174.07
8.986	8.980	0.006	24105	50.0000	50.02	38.87- 116.60	147.79
10.156	10.153	0.003	27278	50.0000	50.71	40.33- 120.99	167.25
10.646	10.643	0.003	13021	50.0000	49.07	22.45- 67.34	79.83
	Average of Peak Amounts =				50.3040		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.580	3.580	0.000	12004	2.50000	2.5334		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.603	12.600	0.003	15030	2.50000	2.5272		

Data File: 020F2001.D

Date: 07-APR-2012 21:29

Client ID: Instrument: GC_W.i

Sample Info: IC-1275577, L2 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\021F2101.D
Lab Smp Id: IC-1275578
Inj Date : 07-APR-2012 21:52
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275578, L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None

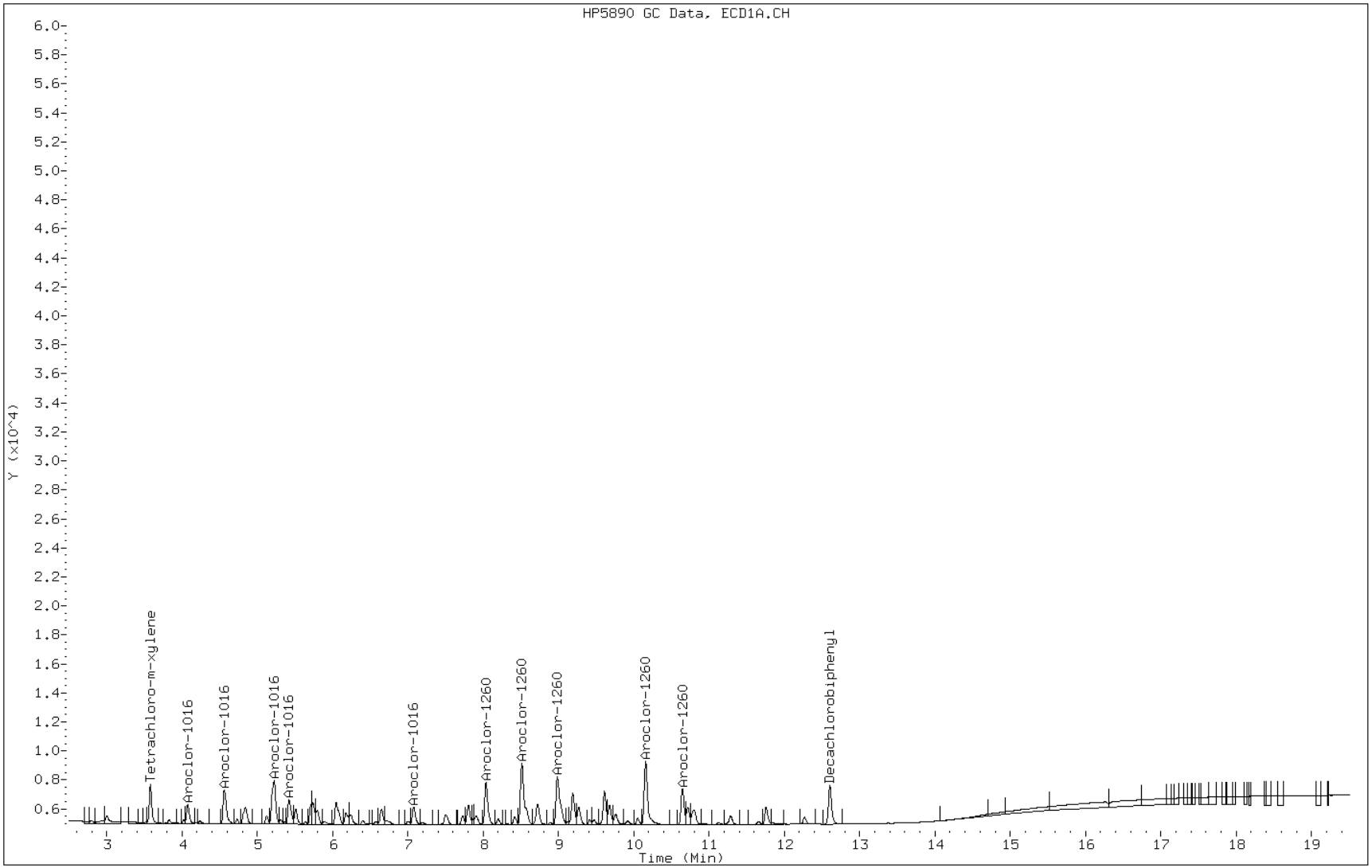
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.076	4.073	0.003	3432	25.0000	19.59	50.00- 150.00	100.00
4.563	4.563	0.000	7439	25.0000	16.88	38.38- 115.14	216.75
5.223	5.223	0.000	10591	25.0000	20.73	21.89- 65.67	308.60
5.420	5.420	0.000	5225	25.0000	19.74	19.98- 59.94	152.24
7.076	7.076	0.000	3493	25.0000	18.47	19.98- 59.94	101.78
Average of Peak Amounts =					19.0820		
7 Aroclor-1260					CAS #: 11096-82-5		
8.036	8.033	0.003	8875	25.0000	18.12	50.00- 150.00	100.00
8.513	8.506	0.007	15393	25.0000	18.39	79.28- 237.84	173.44
8.986	8.980	0.006	12894	25.0000	20.23	38.87- 116.60	145.28
10.156	10.153	0.003	14687	25.0000	21.17	40.33- 120.99	165.49
10.646	10.643	0.003	6827	25.0000	20.48	22.45- 67.34	76.92
Average of Peak Amounts =					19.6780		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.580	3.580	0.000	6405	1.25000	1.1149		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.603	12.600	0.003	8082	1.25000	0.94878		

Data File: 021F2101.D

Date: 07-APR-2012 21:52

Client ID: Instrument: GC_W.i

Sample Info: IC-1275578, L1 Operator: JAX



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 19:33 Calibration End Date: 04/07/2012 21:52 Calibration ID: 9004

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/21	021F2101.D
Level 2	IC 280-114734/20	020F2001.D
Level 3	IC 280-114734/19	019F1901.D
Level 4	IC 280-114734/18	018F1801.D
Level 5	ICRT 280-114734/17	017F1701.D
Level 6	IC 280-114734/16	016F1601.D
Level 7	IC 280-114734/15	015F1501.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	4.300	4.300	4.300	4.300	4.297	4.297	4.297				4.097 - 4.497	4.299
PCB-1016 Peak 2	5.523	5.523	5.520	5.520	5.520	5.520	5.520				5.320 - 5.720	5.521
PCB-1016 Peak 3	5.723	5.723	5.723	5.723	5.723	5.723	5.720				5.523 - 5.923	5.723
PCB-1016 Peak 4	6.453	6.453	6.453	6.453	6.453	6.453	6.450				6.253 - 6.653	6.453
PCB-1016 Peak 5	6.643	6.647	6.643	6.643	6.643	6.643	6.643				6.443 - 6.843	6.644
PCB-1260 Peak 1	8.553	8.553	8.553	8.550	8.550	8.550	8.547				8.350 - 8.750	8.551
PCB-1260 Peak 2	8.927	8.927	8.923	8.923	8.923	8.923	8.920				8.723 - 9.123	8.924
PCB-1260 Peak 3	9.533	9.530	9.530	9.527	9.527	9.527	9.523				9.327 - 9.727	9.528
PCB-1260 Peak 4	10.207	10.203	10.203	10.200	10.200	10.200	10.200				10.000 - 10.400	10.202
PCB-1260 Peak 5	11.297	11.297	11.297	11.293	11.290	11.293	11.290				11.090 - 11.490	11.294
Tetrachloro-m-xylene	3.640	3.640	3.640	3.640	3.640	3.640	3.640				3.440 - 3.840	3.640
DCB Decachlorobiphenyl	13.357	13.357	13.357	13.353	13.353	13.353	13.350				13.153 - 13.553	13.354

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 19:33 Calibration End Date: 04/07/2012 21:52 Calibration ID: 9004

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/21	021F2101.D
Level 2	IC 280-114734/20	020F2001.D
Level 3	IC 280-114734/19	019F1901.D
Level 4	IC 280-114734/18	018F1801.D
Level 5	ICRT 280-114734/17	017F1701.D
Level 6	IC 280-114734/16	016F1601.D
Level 7	IC 280-114734/15	015F1501.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	88.440 64.558	86.960 60.849	80.610 56.080	73.060	Lin1	-19.858916	59.6751173							0.9915		0.9900
PCB-1016 Peak 2	315.80 254.48	303.12 242.37	292.14 225.67	279.63	Lin1	-13.114609	238.337137							0.9947		0.9900
PCB-1016 Peak 3	188.60 121.61	164.54 116.59	152.09 107.18	137.74	Lin1	-22.508149	112.785241							0.9937		0.9900
PCB-1016 Peak 4	122.48 86.918	113.72 83.160	104.60 77.952	95.988	Lin1	-18.217072	81.2647062							0.9954		0.9900
PCB-1016 Peak 5	117.20 96.710	114.30 93.333	112.01 87.924	105.86	Lin1	-11.674329	91.8989622							0.9960		0.9900
PCB-1260 Peak 1	279.96 195.66	263.38 184.34	245.99 171.32	221.83	Lin1	-20.866196	180.957008							0.9923		0.9900
PCB-1260 Peak 2	291.80 212.63	280.46 199.90	264.28 184.92	241.63	Lin1	-19.423601	196.634118							0.9915		0.9900
PCB-1260 Peak 3	371.80 297.23	361.30 284.14	347.17 265.34	327.42	Lin1	-13.669922	279.329070							0.9949		0.9900
PCB-1260 Peak 4	202.04 153.58	194.04 146.72	182.66 136.71	170.11	Lin1	-15.915590	143.797392							0.9946		0.9900
PCB-1260 Peak 5	266.52 226.44	264.84 219.28	255.19 202.92	247.92	Lin1	-10.799831	214.516718							0.9953		0.9900
Tetrachloro-m-xylene	3484.8 3181.8	3407.2 3103.7	3383.0 2939.3	3368.0	Lin1	-0.3063098	3057.23132							0.9978		0.9900
DCB Decachlorobiphenyl	4495.2 3224.6	4238.0 3050.4	3961.0 2844.8	3613.8	Lin1	-0.9527085	2994.12624							0.9935		

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 19:33 Calibration End Date: 04/07/2012 21:52 Calibration ID: 9004

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/21	021F2101.D
Level 2	IC 280-114734/20	020F2001.D
Level 3	IC 280-114734/19	019F1901.D
Level 4	IC 280-114734/18	018F1801.D
Level 5	ICRT 280-114734/17	017F1701.D
Level 6	IC 280-114734/16	016F1601.D
Level 7	IC 280-114734/15	015F1501.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Lin1	2211 45637	4348 56080	8061	18265	32279	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 2	Lin1	7895 181780	15156 225669	29214	69907	127238	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 3	Lin1	4715 87446	8227 107176	15209	34435	60806	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 4	Lin1	3062 62370	5686 77952	10460	23997	43459	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 5	Lin1	2930 70000	5715 87924	11201	26464	48355	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 1	Lin1	6999 138257	13169 171320	24599	55457	97828	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 2	Lin1	7295 149927	14023 184918	26428	60407	106316	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 3	Lin1	9295 213108	18065 265344	34717	81855	148617	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 4	Lin1	5051 110043	9702 136705	18266	42528	76788	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 5	Lin1	6663 164458	13242 202916	25519	61979	113218	25.0 750	50.0 1000	100	250	500
Tetrachloro-m-xylene	Lin1	4356 116388	8518 146963	16915	42100	79545	1.25 37.5	2.50 50.0	5.00	12.5	25.0
DCB Decachlorobiphenyl	Lin1	5619 114391	10595 142239	19805	45173	80615	1.25 37.5	2.50 50.0	5.00	12.5	25.0

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\015F1501.D
Lab Smp Id: IC-1274673
Inj Date : 07-APR-2012 19:33
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1274673, 1660
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 22:54 Cal File: 027F2701.D
Als bottle: 15 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

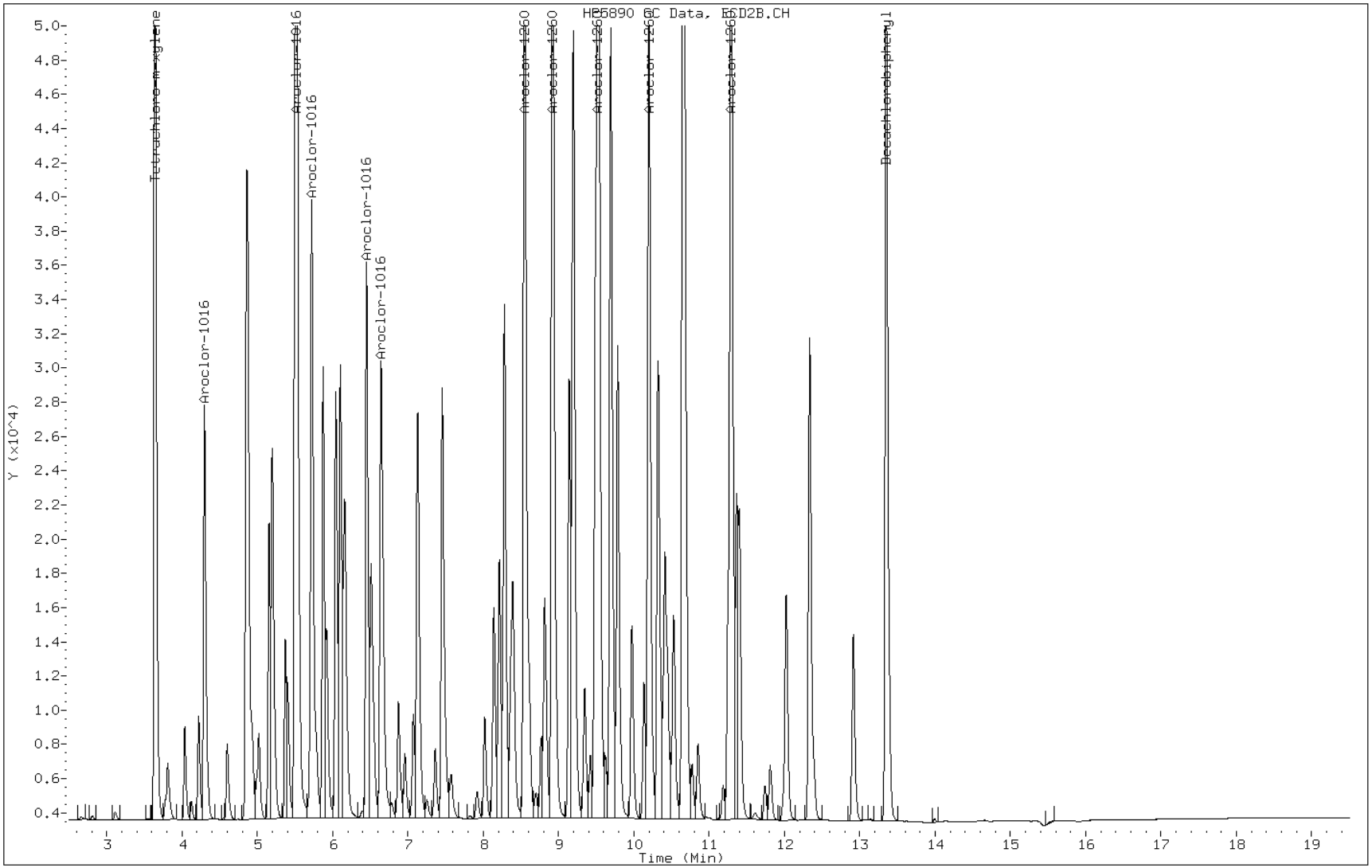
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.296	4.296	0.000	56080	1000.00	918.9	50.00- 150.00	100.00
5.520	5.520	0.000	225669	1000.00	1069	96.02- 288.05	402.40
5.720	5.723	-0.003	107176	1000.00	534.0	157.72- 473.17	191.11
6.450	6.453	-0.003	77952	1000.00	942.8	64.46- 193.39	139.00
6.643	6.643	0.000	87924	1000.00	1015	63.32- 189.95	156.78
		Average of Peak Amounts =			895.940		
7 Aroclor-1260					CAS #: 11096-82-5		
8.546	8.550	-0.004	171320	1000.00	927.3	50.00- 150.00	100.00
8.920	8.923	-0.003	184918	1000.00	922.3	54.39- 163.17	107.94
9.523	9.526	-0.003	265344	1000.00	937.0	32.96- 98.87	154.88
10.200	10.200	0.000	136705	1000.00	934.9	65.36- 196.07	79.80
11.290	11.290	0.000	202916	1000.00	934.8	16.03- 48.08	118.44
		Average of Peak Amounts =			931.260		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.640	3.640	0.000	146963	50.0000	47.72		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
13.350	13.353	-0.003	142239	50.0000	46.50		

Data File: 015F1501.D

Date: 07-APR-2012 19:33

Client ID: Instrument: GC_W.i

Sample Info: IC-1274673, 1660 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\016F1601.D
Lab Smp Id: IC-1275918
Inj Date : 07-APR-2012 19:56
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275918, L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:17 Cal File: 028F2801.D
Als bottle: 16 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

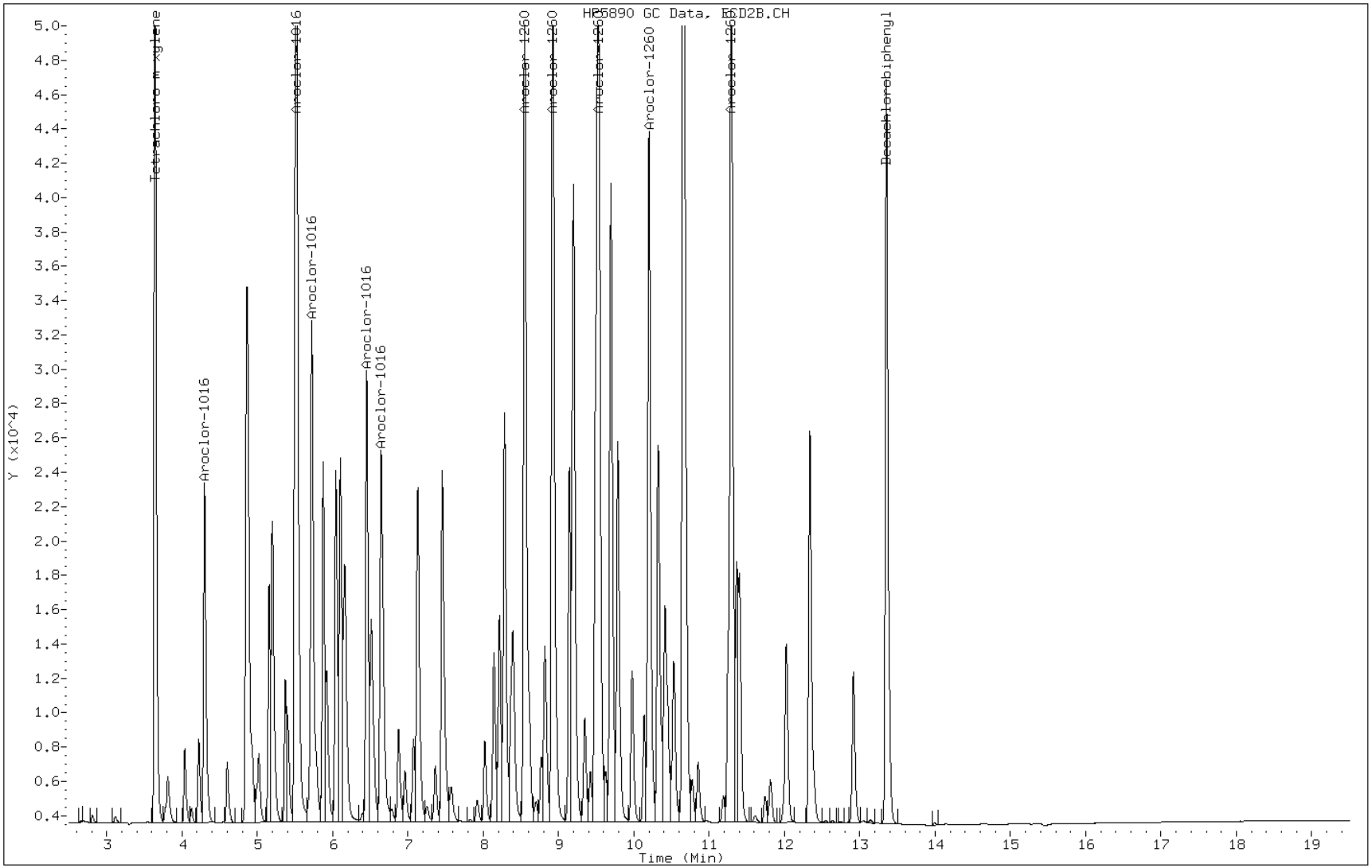
				AMOUNTS			
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.296	4.296	0.000	45637	750.000	744.4	50.00- 150.00	100.00
5.520	5.520	0.000	181780	750.000	778.4	96.02- 288.05	398.31
5.723	5.723	0.000	87446	750.000	566.1	157.72- 473.17	191.61
6.453	6.453	0.000	62370	750.000	749.0	64.46- 193.39	136.67
6.643	6.643	0.000	70000	750.000	764.7	63.32- 189.95	153.38
		Average of Peak Amounts =			720.520		
7 Aroclor-1260					CAS #: 11096-82-5		
8.550	8.550	0.000	138257	750.000	743.5	50.00- 150.00	100.00
8.923	8.923	0.000	149927	750.000	743.3	54.39- 163.17	108.44
9.526	9.526	0.000	213108	750.000	749.0	32.96- 98.87	154.14
10.200	10.200	0.000	110043	750.000	749.4	65.36- 196.07	79.59
11.293	11.290	0.003	164458	750.000	755.5	16.03- 48.08	118.95
		Average of Peak Amounts =			748.140		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.640	3.640	0.000	116388	37.5000	37.74		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
13.353	13.353	0.000	114391	37.5000	37.22		

Data File: 016F1601.D

Date: 07-APR-2012 19:56

Client ID: Instrument: GC_W.i

Sample Info: IC-1275918, L6 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\017F1701.D
Lab Smp Id: ICRT-1332881
Inj Date : 07-APR-2012 20:20
Operator : JAX Inst ID: GC_W.i
Smp Info : ICRT-1332881, L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:40 Cal File: 029F2901.D
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

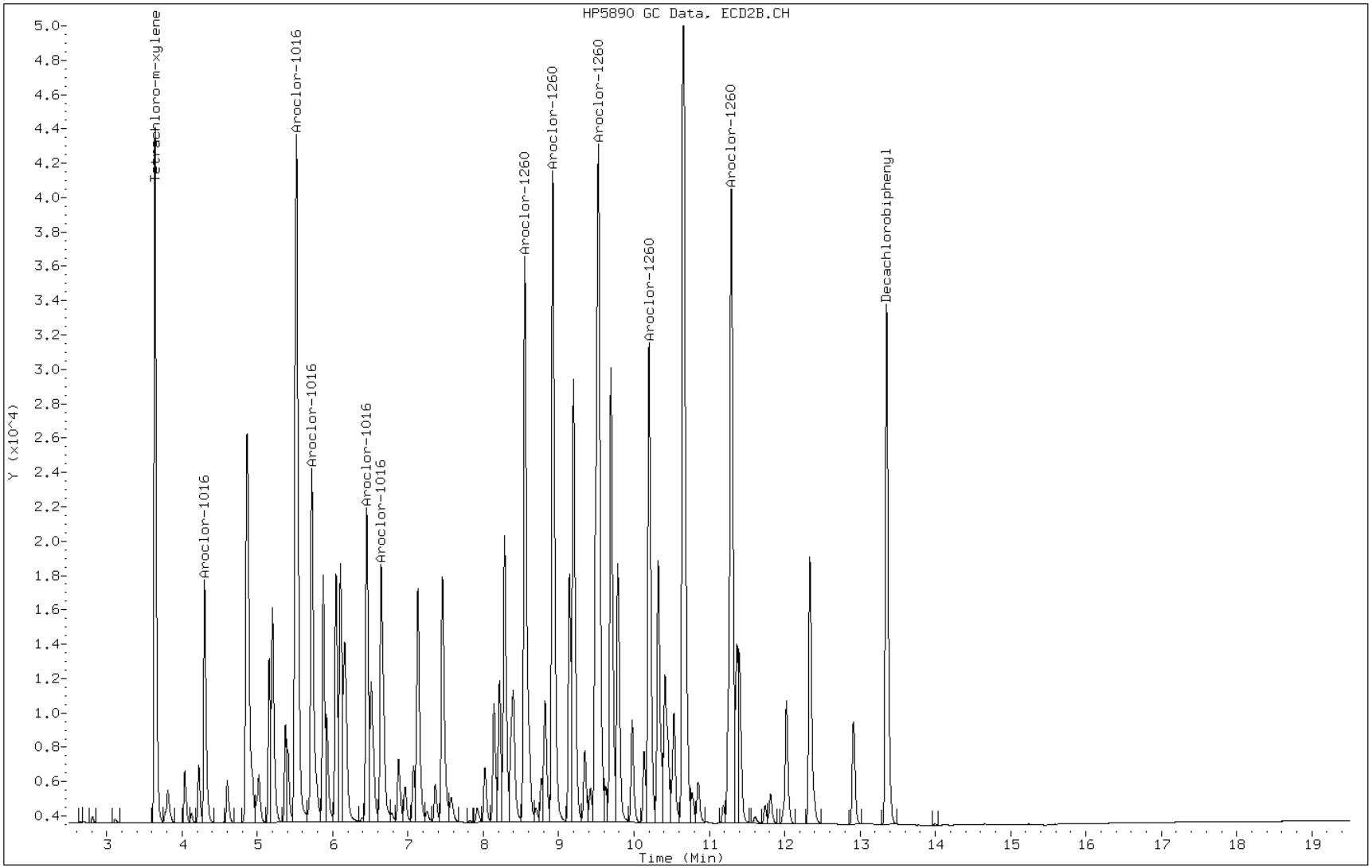
				AMOUNTS			
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.296	4.296	0.000	32279	500.000	520.6	50.00- 150.00	100.00
5.520	5.520	0.000	127238	500.000	546.7	96.02- 288.05	394.18
5.723	5.723	0.000	60806	500.000	378.7	157.72- 473.17	188.37
6.453	6.453	0.000	43459	500.000	516.2	64.46- 193.39	134.63
6.643	6.643	0.000	48355	500.000	526.3	63.32- 189.95	149.80
Average of Peak Amounts =					497.700		
7 Aroclor-1260					CAS #: 11096-82-5		
8.550	8.550	0.000	97828	500.000	519.6	50.00- 150.00	100.00
8.923	8.923	0.000	106316	500.000	521.2	54.39- 163.17	108.68
9.526	9.526	0.000	148617	500.000	517.4	32.96- 98.87	151.92
10.200	10.200	0.000	76788	500.000	518.1	65.36- 196.07	78.49
11.290	11.290	0.000	113218	500.000	517.0	16.03- 48.08	115.73
Average of Peak Amounts =					518.660		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.640	3.640	0.000	79545	25.0000	25.70		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
13.353	13.353	0.000	80615	25.0000	25.96		

Data File: 017F1701.D

Date: 07-APR-2012 20:20

Client ID: Instrument: GC_W.i

Sample Info: ICRT-1332881, L5 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\018F1801.D
Lab Smp Id: IC-1275562
Inj Date : 07-APR-2012 20:42
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275562, L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:03 Cal File: 030F3001.D
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

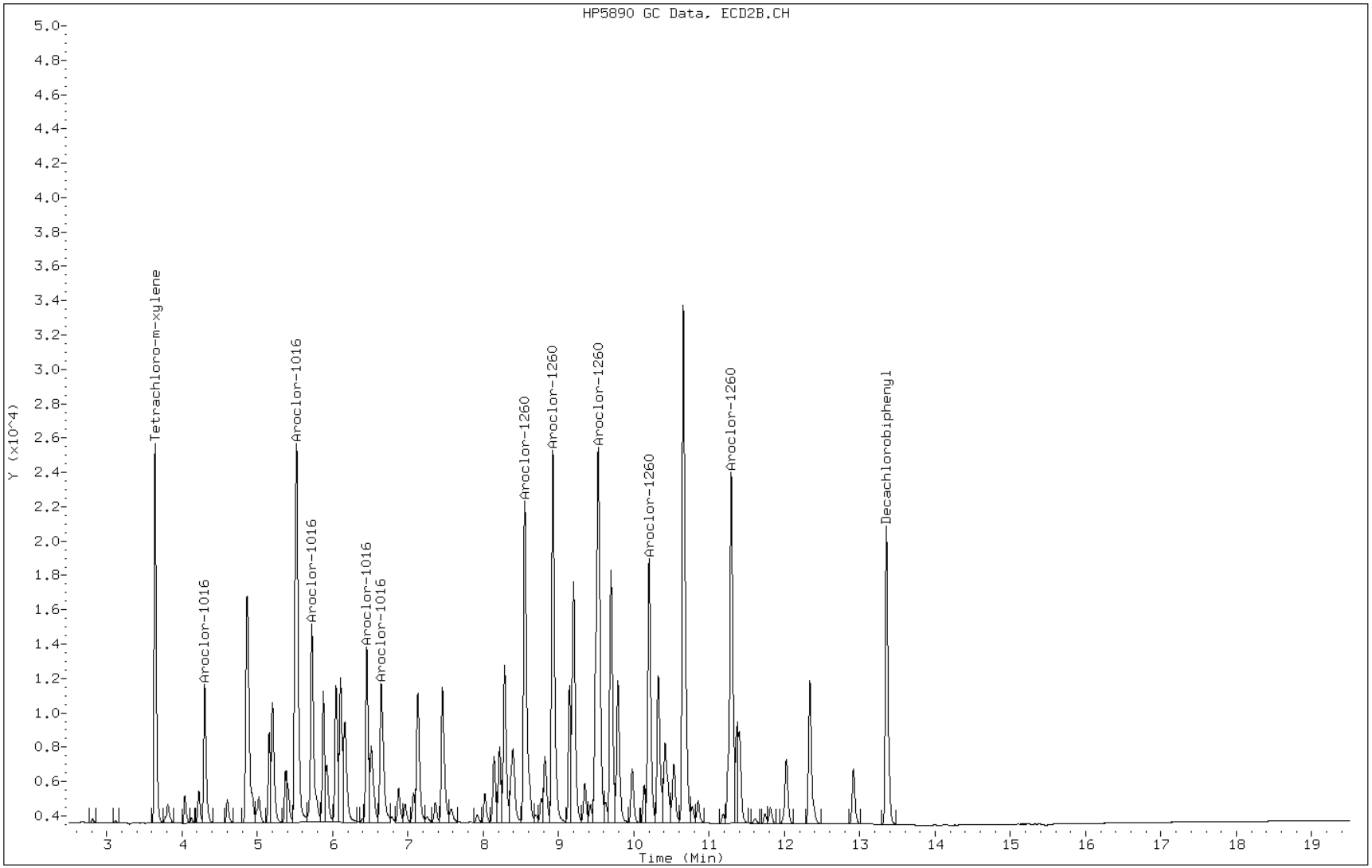
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
1 Aroclor-1016					CAS #: 12674-11-2			
4.300	4.296	0.004	18265	250.000	285.5	50.00-	150.00	100.00
5.520	5.520	0.000	69907	250.000	290.8	96.02-	288.05	382.73
5.723	5.723	0.000	34435	250.000	236.5	157.72-	473.17	188.53
6.453	6.453	0.000	23997	250.000	276.7	64.46-	193.39	131.38
6.643	6.643	0.000	26464	250.000	279.9	63.32-	189.95	144.89
Average of Peak Amounts =					273.880			
7 Aroclor-1260					CAS #: 11096-82-5			
8.550	8.550	0.000	55457	250.000	284.8	50.00-	150.00	100.00
8.923	8.923	0.000	60407	250.000	287.3	54.39-	163.17	108.93
9.526	9.526	0.000	81855	250.000	277.6	32.96-	98.87	147.60
10.200	10.200	0.000	42528	250.000	279.9	65.36-	196.07	76.69
11.293	11.290	0.003	61979	250.000	278.0	16.03-	48.08	111.76
Average of Peak Amounts =					281.520			
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8			
3.640	3.640	0.000	42100	12.5000	13.45			
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3			
13.353	13.353	0.000	45173	12.5000	14.12			

Data File: 018F1801.D

Date: 07-APR-2012 20:42

Client ID: Instrument: GC_W.i

Sample Info: IC-1275562, L4 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\019F1901.D
Lab Smp Id: IC-1275563
Inj Date : 07-APR-2012 21:05
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275563, L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:27 Cal File: 031F3101.D
Als bottle: 19 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

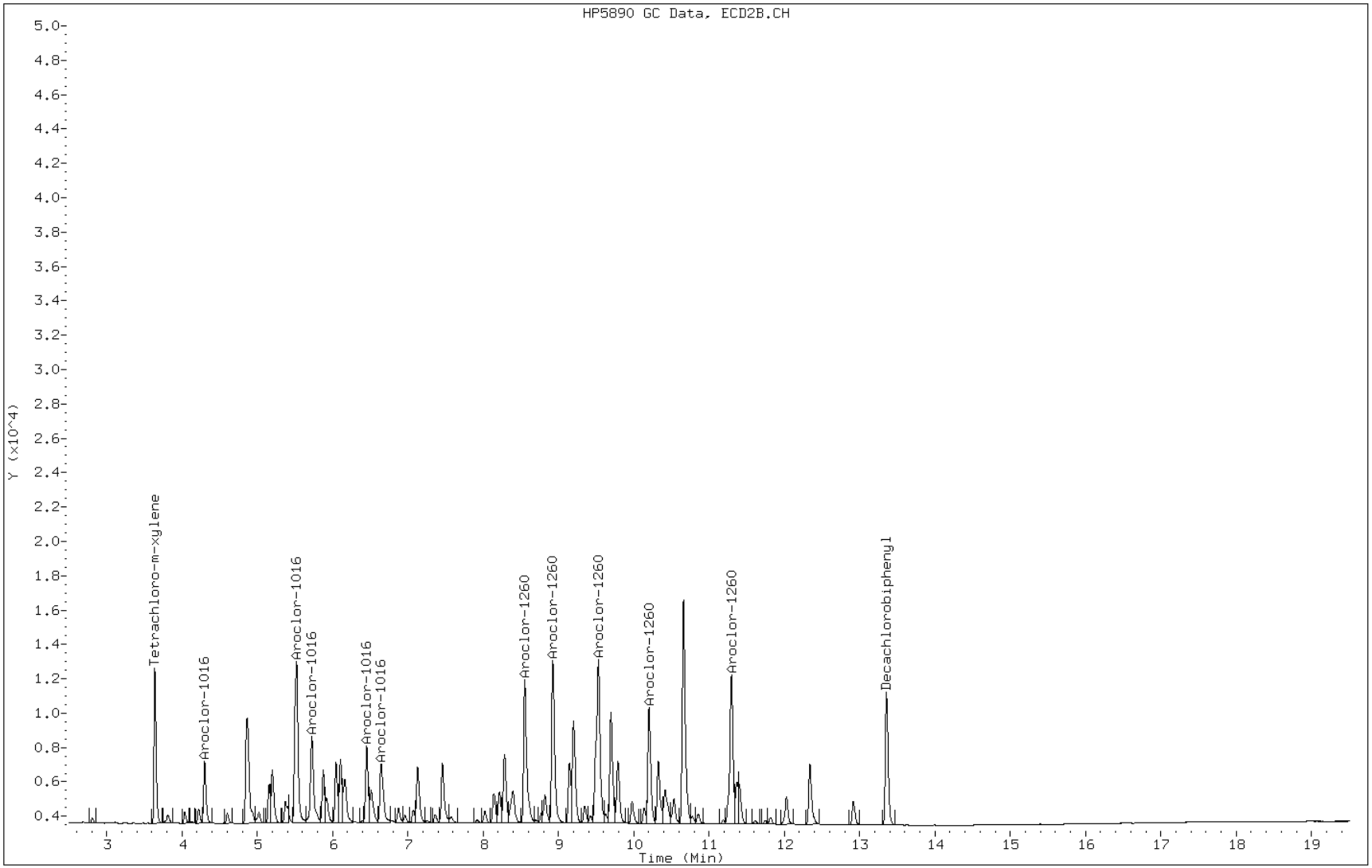
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
1 Aroclor-1016					CAS #: 12674-11-2			
4.300	4.296	0.004	8061	100.000	114.1	50.00-	150.00	100.00
5.520	5.520	0.000	29214	100.000	117.9	96.02-	288.05	362.41
5.723	5.723	0.000	15209	100.000	81.16	157.72-	473.17	188.68
6.453	6.453	0.000	10460	100.000	109.9	64.46-	193.39	129.76
6.643	6.643	0.000	11201	100.000	112.1	63.32-	189.95	138.96
Average of Peak Amounts =					107.032			
7 Aroclor-1260					CAS #: 11096-82-5			
8.553	8.550	0.003	24599	100.000	113.8	50.00-	150.00	100.00
8.923	8.923	0.000	26428	100.000	114.1	54.39-	163.17	107.44
9.530	9.526	0.004	34717	100.000	108.9	32.96-	98.87	141.13
10.203	10.200	0.003	18266	100.000	111.0	65.36-	196.07	74.26
11.296	11.290	0.006	25519	100.000	108.0	16.03-	48.08	103.74
Average of Peak Amounts =					111.160			
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8			
3.640	3.640	0.000	16915	5.00000	5.2105			
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3			
13.356	13.353	0.003	19805	5.00000	5.6459			

Data File: 019F1901.D

Date: 07-APR-2012 21:05

Client ID: Instrument: GC_W.i

Sample Info: IC-1275563, L3 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\020F2001.D
Lab Smp Id: IC-1275577
Inj Date : 07-APR-2012 21:29
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275577, L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:50 Cal File: 032F3201.D
Als bottle: 20 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

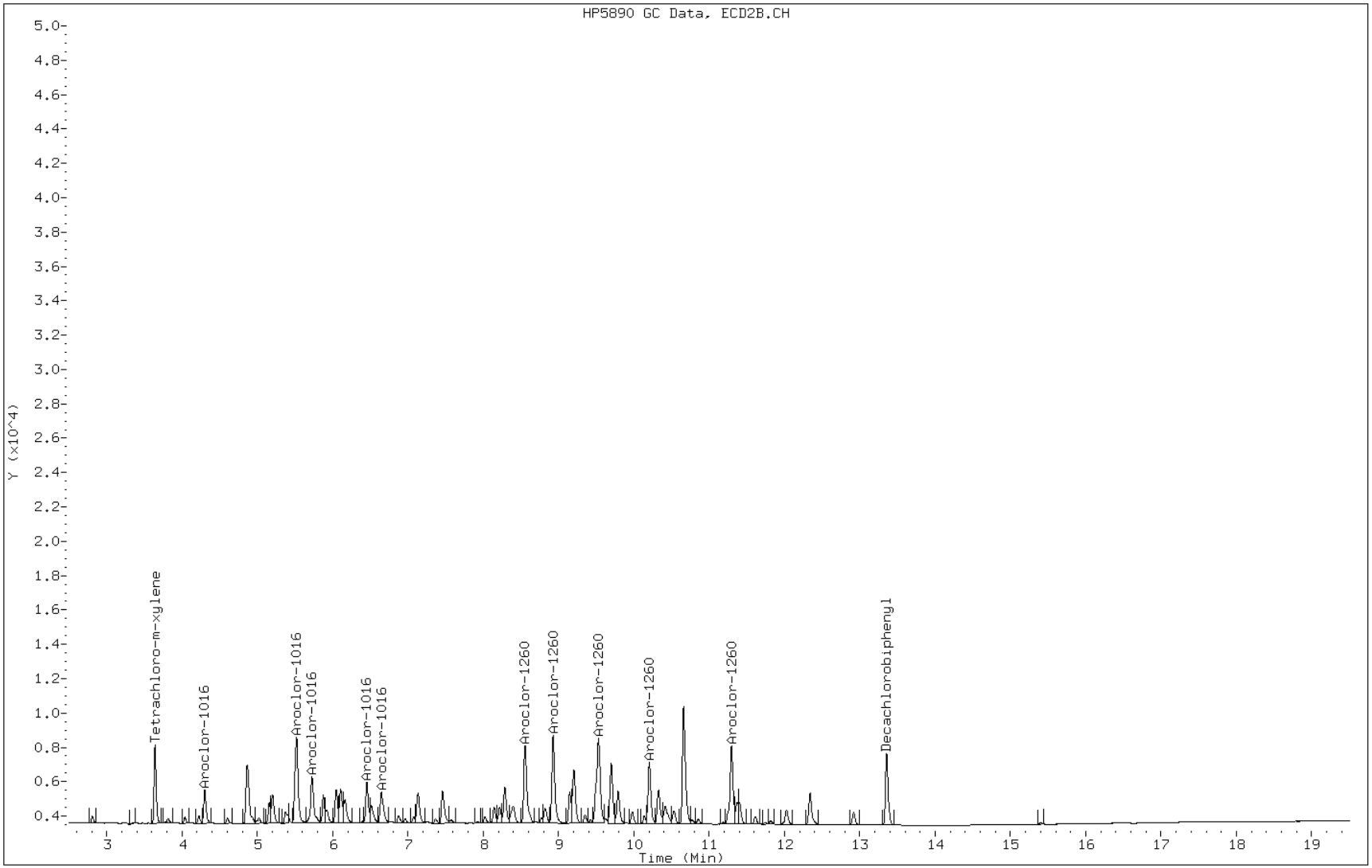
				AMOUNTS			
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.300	4.296	0.004	4348	50.0000	51.87	50.00- 150.00	100.00
5.523	5.520	0.003	15156	50.0000	55.29	96.02- 288.05	348.58
5.723	5.723	0.000	8227	50.0000	33.72	157.72- 473.17	189.21
6.453	6.453	0.000	5686	50.0000	51.23	64.46- 193.39	130.77
6.646	6.643	0.003	5715	50.0000	51.17	63.32- 189.95	131.45
Average of Peak Amounts =					48.6560		
7 Aroclor-1260					CAS #: 11096-82-5		
8.553	8.550	0.003	13169	50.0000	50.87	50.00- 150.00	100.00
8.926	8.923	0.003	14023	50.0000	50.93	54.39- 163.17	106.49
9.530	9.526	0.004	18065	50.0000	49.59	32.96- 98.87	137.18
10.203	10.200	0.003	9702	50.0000	51.22	65.36- 196.07	73.68
11.296	11.290	0.006	13242	50.0000	50.63	16.03- 48.08	100.55
Average of Peak Amounts =					50.6480		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.640	3.640	0.000	8518	2.50000	2.4673		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
13.356	13.353	0.003	10595	2.50000	2.5739		

Data File: 020F2001.D

Date: 07-APR-2012 21:29

Client ID: Instrument: GC_W.i

Sample Info: IC-1275577, L2 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\021F2101.D
Lab Smp Id: IC-1275578
Inj Date : 07-APR-2012 21:52
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275578, L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

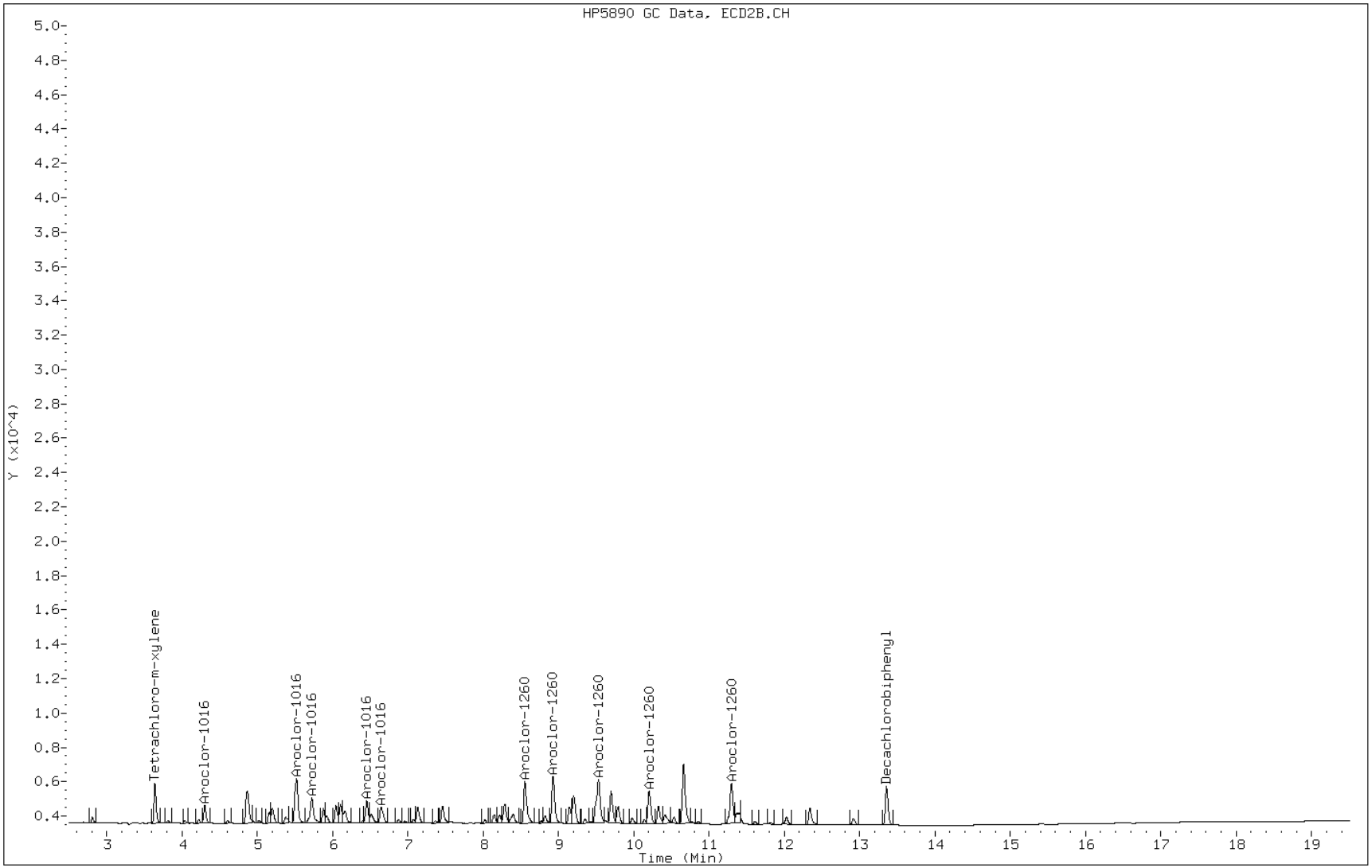
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.300	4.296	0.004	2211	25.0000	17.19	50.00- 150.00	100.00
5.523	5.520	0.003	7895	25.0000	20.01	96.02- 288.05	356.99
5.723	5.723	0.000	4715	25.0000	19.30	157.72- 473.17	213.18
6.453	6.453	0.000	3062	25.0000	19.46	64.46- 193.39	138.48
6.643	6.643	0.000	2930	25.0000	20.21	63.32- 189.95	132.48
Average of Peak Amounts =					19.2340		
7 Aroclor-1260					CAS #: 11096-82-5		
8.553	8.550	0.003	6999	25.0000	17.81	50.00- 150.00	100.00
8.926	8.923	0.003	7295	25.0000	17.68	54.39- 163.17	104.23
9.533	9.526	0.007	9295	25.0000	19.61	32.96- 98.87	132.80
10.206	10.200	0.006	5051	25.0000	19.21	65.36- 196.07	72.17
11.296	11.290	0.006	6663	25.0000	20.26	16.03- 48.08	95.20
Average of Peak Amounts =					18.9140		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.640	3.640	0.000	4356	1.25000	1.1185		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
13.356	13.353	0.003	5619	1.25000	0.92396		

Data File: 021F2101.D

Date: 07-APR-2012 21:52

Client ID: Instrument: GC_W.i

Sample Info: IC-1275578, L1 Operator: JAX



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 22:15 Calibration End Date: 04/08/2012 00:33 Calibration ID: 9000

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/28	028F2801.D
Level 2	IC 280-114734/27	027F2701.D
Level 3	IC 280-114734/26	026F2601.D
Level 4	IC 280-114734/25	025F2501.D
Level 5	IC 280-114734/24	024F2401.D
Level 6	IC 280-114734/23	023F2301.D
Level 7	IC 280-114734/22	022F2201.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1232 Peak 1	4.077	4.077	4.077	4.073	4.073	4.073	4.073				3.873 - 4.273	4.075
PCB-1232 Peak 2	4.563	4.567	4.567	4.563	4.563	4.563	4.563				4.363 - 4.763	4.564
PCB-1232 Peak 3	5.223	5.223	5.223	5.223	5.223	5.223	5.227				5.023 - 5.423	5.224
PCB-1232 Peak 4	5.420	5.423	5.423	5.423	5.423	5.420	5.423				5.223 - 5.623	5.422
PCB-1232 Peak 5	6.047	6.047	6.050	6.047	6.047	6.047	6.050				5.847 - 6.247	6.048
PCB-1262 Peak 1	8.037	8.037	8.037	8.037	8.033	8.033	8.033				7.833 - 8.233	8.035
PCB-1262 Peak 2	8.513	8.513	8.513	8.510	8.510	8.507	8.507				8.310 - 8.710	8.510
PCB-1262 Peak 3	9.610	9.610	9.610	9.607	9.607	9.603	9.607				9.407 - 9.807	9.608
PCB-1262 Peak 4	10.647	10.643	10.643	10.643	10.643	10.640	10.643				10.443 - 10.843	10.643
PCB-1262 Peak 5	10.797	10.793	10.793	10.793	10.790	10.790	10.790				10.590 - 10.990	10.792

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 22:15 Calibration End Date: 04/08/2012 00:33 Calibration ID: 9000

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/28	028F2801.D
Level 2	IC 280-114734/27	027F2701.D
Level 3	IC 280-114734/26	026F2601.D
Level 4	IC 280-114734/25	025F2501.D
Level 5	IC 280-114734/24	024F2401.D
Level 6	IC 280-114734/23	023F2301.D
Level 7	IC 280-114734/22	022F2201.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1232 Peak 1	160.32 106.83	153.20 105.07	133.71 93.014	118.79	Lin1	-22.530013	99.3662829							0.9926		0.9900
PCB-1232 Peak 2	143.60 102.09	143.44 101.41	126.68 89.070	113.34	Lin1	-19.916003	95.7501184							0.9921		0.9900
PCB-1232 Peak 3	187.08 157.10	189.32 162.67	173.05 144.45	165.66	Lin1	-9.0176104	153.032952							0.9963		0.9900
PCB-1232 Peak 4	88.800 71.816	92.980 72.631	81.760 64.442	77.904	Lin1	-12.824158	68.7524028							0.9947		0.9900
PCB-1232 Peak 5	88.000 73.044	91.060 74.391	81.980 66.559	78.664	Lin1	-10.812183	70.5621117							0.9958		0.9900
PCB-1262 Peak 1	275.28 195.29	267.40 188.10	239.51 172.84	215.91	Lin1	-19.656103	182.012081							0.9941		0.9900
PCB-1262 Peak 2	327.40 232.44	312.46 224.73	288.68 199.83	255.00	Lin1	-20.073245	214.706006							0.9921		0.9900
PCB-1262 Peak 3	362.40 260.06	347.96 256.30	315.00 232.30	282.94	Lin1	-17.867191	244.887592							0.9951		0.9900
PCB-1262 Peak 4	215.00 180.20	214.60 187.06	202.23 165.01	188.98	Lin1	-9.1063454	175.421761							0.9960		0.9900
PCB-1262 Peak 5	332.68 267.01	333.02 278.48	305.20 248.96	282.54	Lin1	-10.555035	261.650751							0.9967		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 22:15 Calibration End Date: 04/08/2012 00:33 Calibration ID: 9000

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/28	028F2801.D
Level 2	IC 280-114734/27	027F2701.D
Level 3	IC 280-114734/26	026F2601.D
Level 4	IC 280-114734/25	025F2501.D
Level 5	IC 280-114734/24	024F2401.D
Level 6	IC 280-114734/23	023F2301.D
Level 7	IC 280-114734/22	022F2201.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Lin1	4008 78800	7660 93014	13371	29697	53416	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 2	Lin1	3590 76057	7172 89070	12668	28336	51043	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 3	Lin1	4677 122004	9466 144448	17305	41415	78550	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 4	Lin1	2220 54473	4649 64442	8176	19476	35908	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 5	Lin1	2200 55793	4553 66559	8198	19666	36522	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 1	Lin1	6882 141074	13370 172843	23951	53978	97645	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 2	Lin1	8185 168551	15623 199828	28868	63751	116220	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 3	Lin1	9060 192225	17398 232299	31500	70735	130029	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 4	Lin1	5375 140292	10730 165014	20223	47246	90101	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 5	Lin1	8317 208863	16651 248963	30520	70634	133504	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\022F2201.D
Lab Smp Id: IC-1274690
Inj Date : 07-APR-2012 22:15
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1274690, 3262
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 22:54 Cal File: 027F2701.D
Als bottle: 22 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

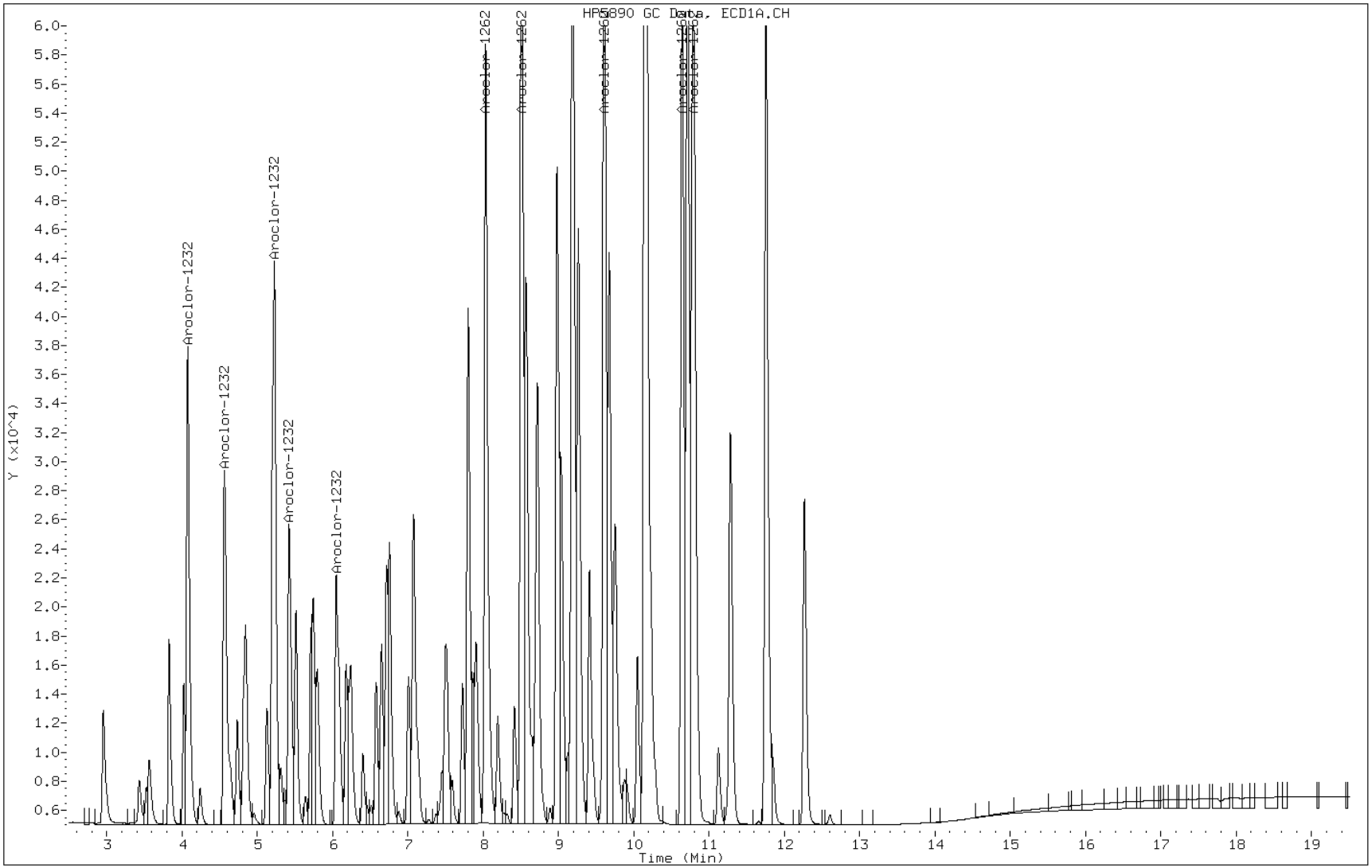
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.073	4.073	0.000	93014	1000.00	903.0	50.00- 150.00	100.00
4.563	4.563	0.000	89070	1000.00	895.8	317.01- 951.03	95.76
5.226	5.223	0.003	144448	1000.00	924.3	689.98-2069.93	155.30
5.423	5.423	0.000	64442	1000.00	914.8	517.87-1553.61	69.28
6.050	6.046	0.004	66559	1000.00	919.4	268.49- 805.46	71.56
		Average of Peak Amounts =			911.460		
9 Aroclor-1262					CAS #:		
8.033	8.033	0.000	172843	1000.00	908.0	50.00- 150.00	100.00
8.506	8.510	-0.004	199828	1000.00	893.8	191.51- 574.53	115.61
9.606	9.606	0.000	232299	1000.00	915.3	77.67- 233.02	134.40
10.643	10.643	0.000	165014	1000.00	929.0	80.58- 241.76	95.47
10.790	10.790	0.000	248963	1000.00	933.8	80.58- 241.76	144.04
		Average of Peak Amounts =			915.980		

Data File: 022F2201.D

Date: 07-APR-2012 22:15

Client ID: Instrument: GC_W.i

Sample Info: IC-1274690, 3262 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\023F2301.D
Lab Smp Id: IC-1275615
Inj Date : 07-APR-2012 22:38
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275615, L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:17 Cal File: 028F2801.D
Als bottle: 23 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

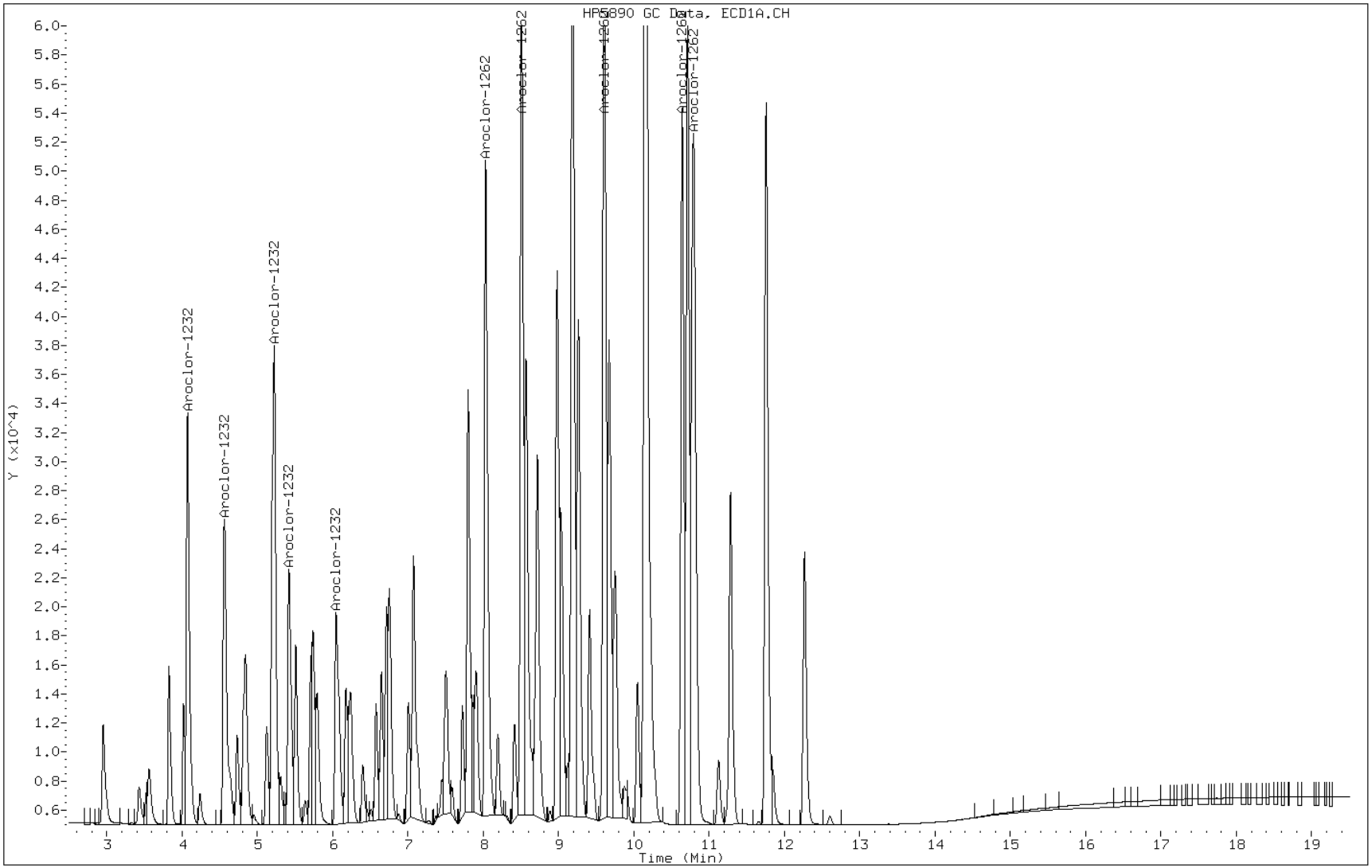
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.073	4.073	0.000	78800	750.000	767.4	50.00- 150.00	100.00
4.563	4.563	0.000	76057	750.000	767.7	317.01- 951.03	96.52
5.223	5.223	0.000	122004	750.000	785.4	689.98-2069.93	154.83
5.420	5.423	-0.003	54473	750.000	775.8	517.87-1553.61	69.13
6.046	6.046	0.000	55793	750.000	775.9	268.49- 805.46	70.80
		Average of Peak Amounts =			774.440		
9 Aroclor-1262					CAS #:		
8.033	8.033	0.000	141074	750.000	753.0	50.00- 150.00	100.00
8.506	8.510	-0.004	168551	750.000	764.2	191.51- 574.53	119.48
9.603	9.606	-0.003	192225	750.000	763.4	77.67- 233.02	136.26
10.640	10.643	-0.003	140292	750.000	787.4	80.58- 241.76	99.45
10.790	10.790	0.000	208863	750.000	784.1	80.58- 241.76	148.05
		Average of Peak Amounts =			770.420		

Data File: 023F2301.D

Date: 07-APR-2012 22:38

Client ID: Instrument: GC_W.i

Sample Info: IC-1275615, L6 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\024F2401.D
Lab Smp Id: IC-1275662
Inj Date : 07-APR-2012 23:01
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275662, L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:40 Cal File: 029F2901.D
Als bottle: 24 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

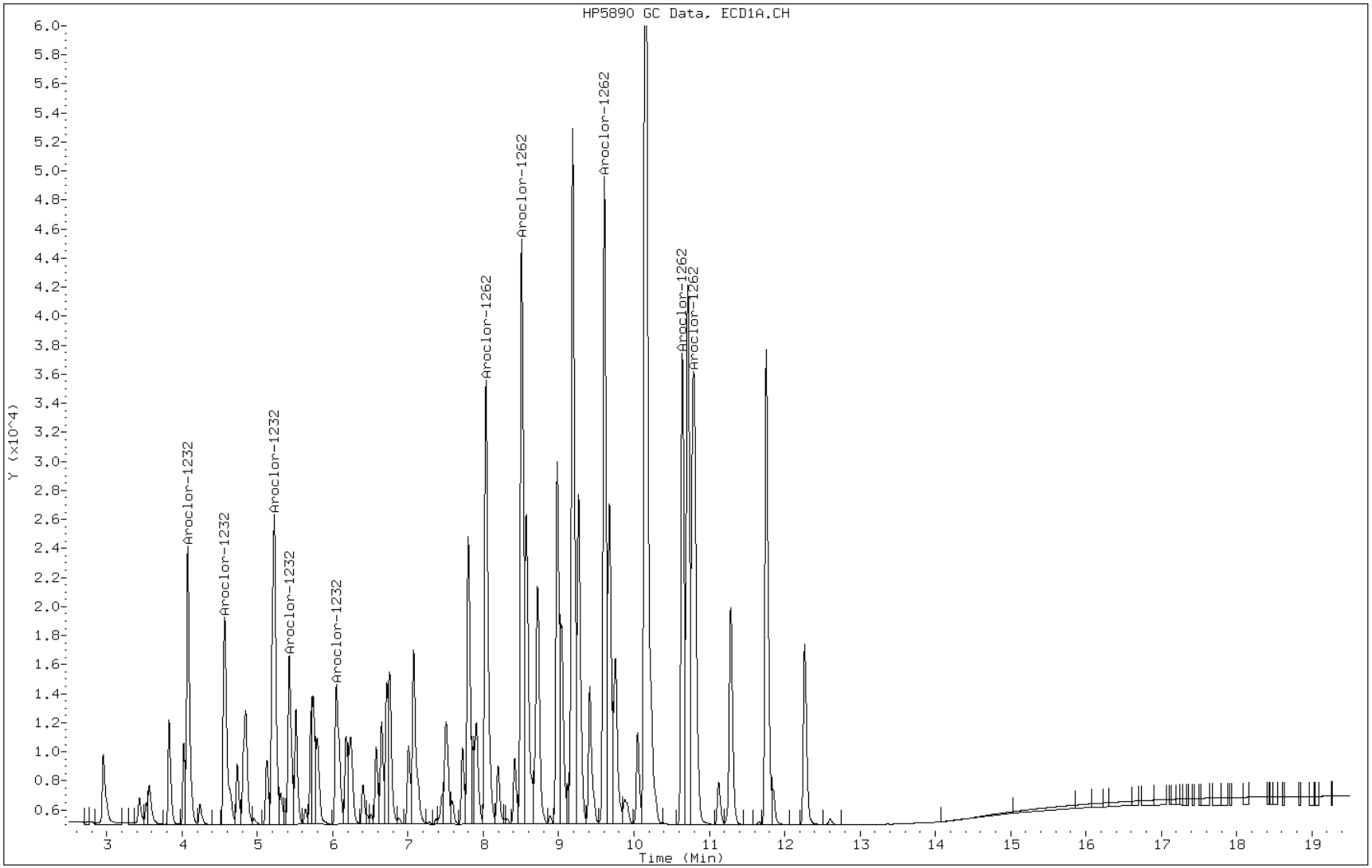
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.073	4.073	0.000	53416	500.000	513.8	50.00- 150.00	100.00
4.563	4.563	0.000	51043	500.000	509.7	317.01- 951.03	95.56
5.223	5.223	0.000	78550	500.000	502.8	689.98-2069.93	147.05
5.423	5.423	0.000	35908	500.000	507.7	517.87-1553.61	67.22
6.046	6.046	0.000	36522	500.000	504.3	268.49- 805.46	68.37
Average of Peak Amounts =					507.660		
9 Aroclor-1262					CAS #:		
8.033	8.033	0.000	97645	500.000	514.8	50.00- 150.00	100.00
8.510	8.510	0.000	116220	500.000	520.2	191.51- 574.53	119.02
9.606	9.606	0.000	130029	500.000	510.2	77.67- 233.02	133.16
10.643	10.643	0.000	90101	500.000	501.5	80.58- 241.76	92.27
10.790	10.790	0.000	133504	500.000	497.1	80.58- 241.76	136.72
Average of Peak Amounts =					508.760		

Data File: 024F2401.D

Date: 07-APR-2012 23:01

Client ID: Instrument: GC_W.i

Sample Info: IC-1275662, L5 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\025F2501.D
Lab Smp Id: IC-1275683
Inj Date : 07-APR-2012 23:24
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275683, L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:03 Cal File: 030F3001.D
Als bottle: 25 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

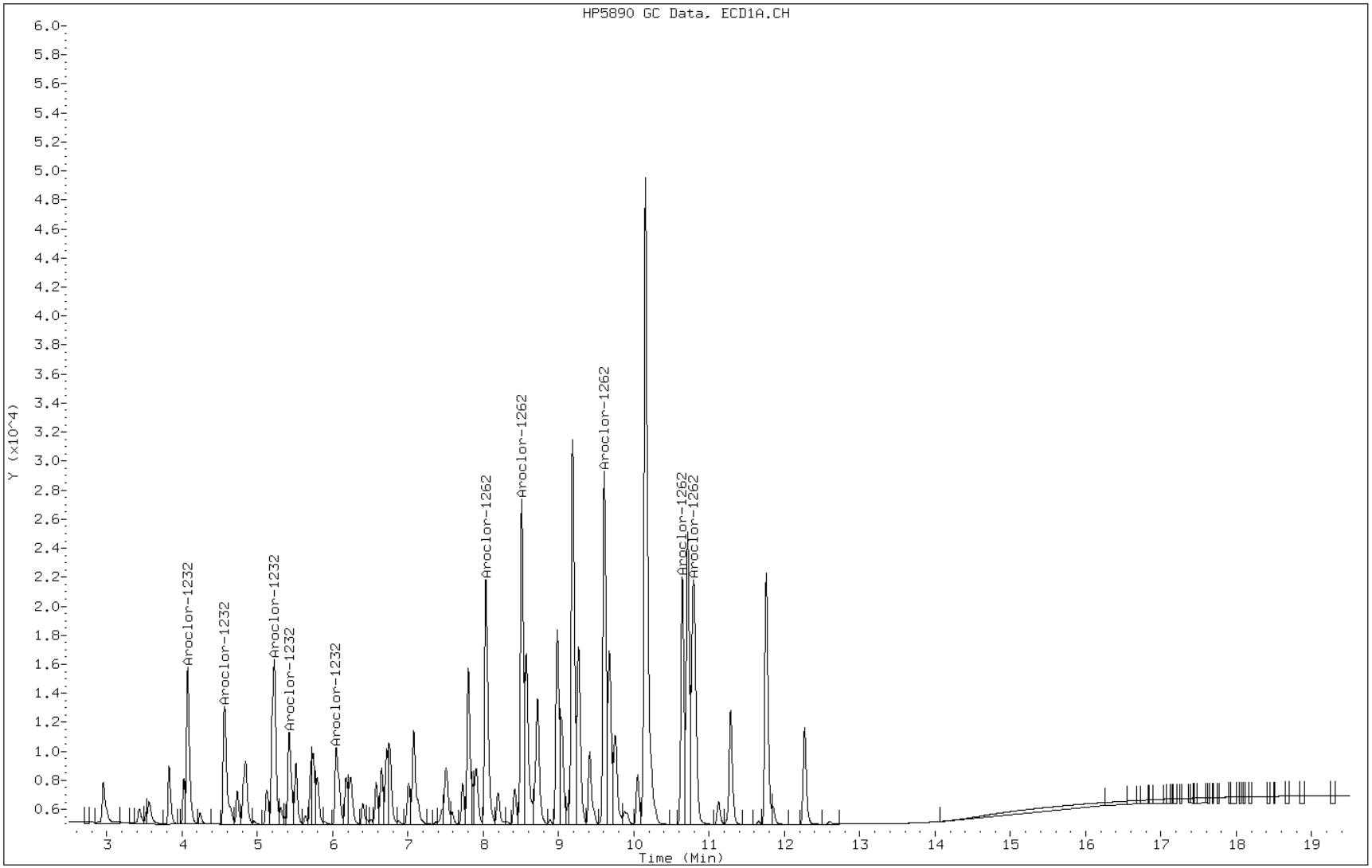
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.073	4.073	0.000	29697	250.000	277.9	50.00- 150.00	100.00
4.563	4.563	0.000	28336	250.000	277.2	317.01- 951.03	95.42
5.223	5.223	0.000	41415	250.000	262.2	689.98-2069.93	139.46
5.423	5.423	0.000	19476	250.000	271.7	517.87-1553.61	65.58
6.046	6.046	0.000	19666	250.000	268.2	268.49- 805.46	66.22
Average of Peak Amounts =					271.440		
9 Aroclor-1262					CAS #:		
8.036	8.033	0.003	53978	250.000	276.4	50.00- 150.00	100.00
8.510	8.510	0.000	63751	250.000	276.3	191.51- 574.53	118.11
9.606	9.606	0.000	70735	250.000	270.2	77.67- 233.02	131.04
10.643	10.643	0.000	47246	250.000	258.8	80.58- 241.76	87.53
10.793	10.790	0.003	70634	250.000	259.1	80.58- 241.76	130.86
Average of Peak Amounts =					268.160		

Data File: 025F2501.D

Date: 07-APR-2012 23:24

Client ID: Instrument: GC_W.i

Sample Info: IC-1275683, L4 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\026F2601.D
Lab Smp Id: IC-1275684
Inj Date : 07-APR-2012 23:47
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275684, L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:27 Cal File: 031F3101.D
Als bottle: 26 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

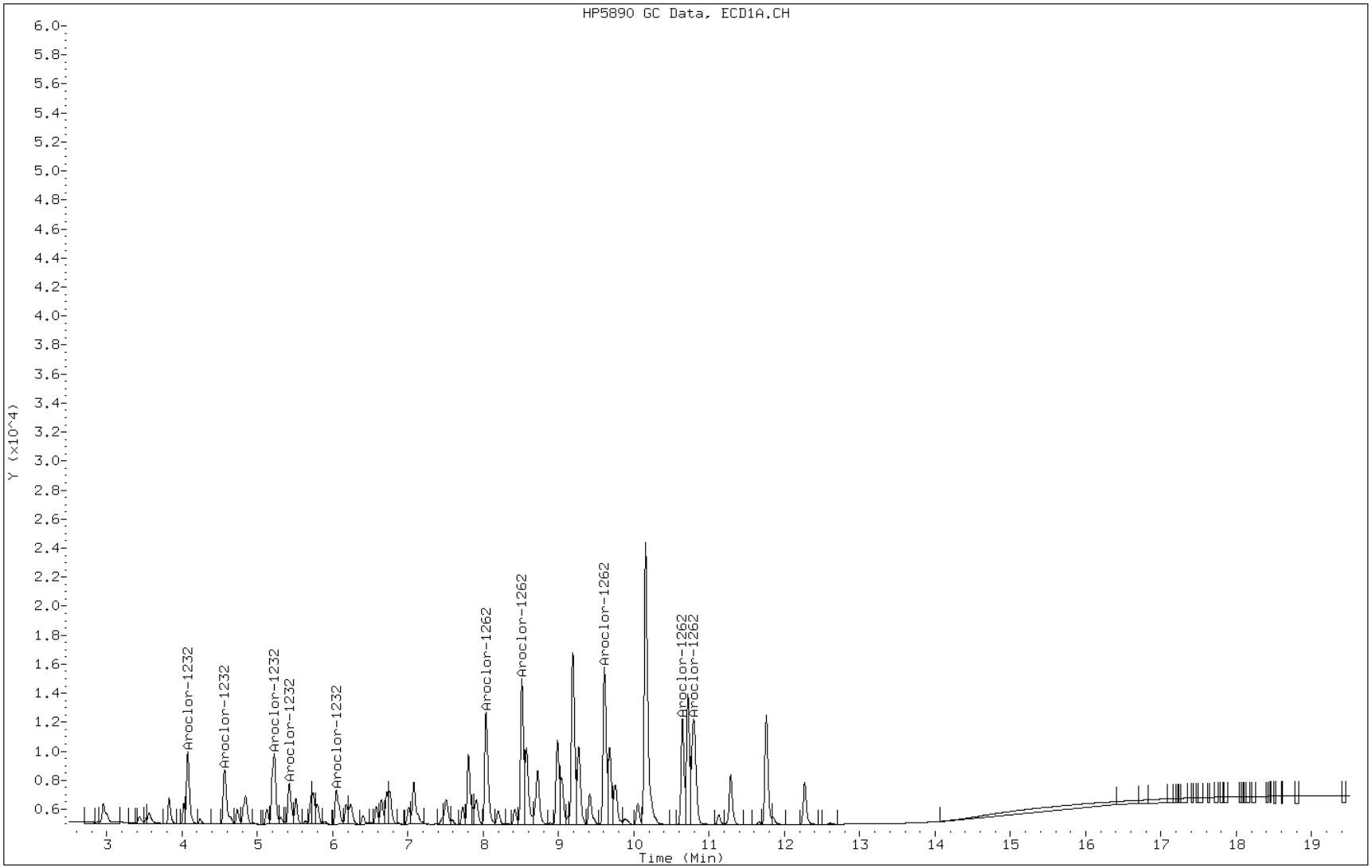
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.076	4.073	0.003	13371	100.000	114.0	50.00- 150.00	100.00
4.566	4.563	0.003	12668	100.000	114.7	317.01- 951.03	94.74
5.223	5.223	0.000	17305	100.000	105.0	689.98-2069.93	129.42
5.423	5.423	0.000	8176	100.000	107.9	517.87-1553.61	61.15
6.050	6.046	0.004	8198	100.000	106.1	268.49- 805.46	61.32
Average of Peak Amounts =					109.540		
9 Aroclor-1262					CAS #:		
8.036	8.033	0.003	23951	100.000	111.3	50.00- 150.00	100.00
8.513	8.510	0.003	28868	100.000	113.2	191.51- 574.53	120.53
9.610	9.606	0.004	31500	100.000	110.0	77.67- 233.02	131.52
10.643	10.643	0.000	20223	100.000	104.6	80.58- 241.76	84.43
10.793	10.790	0.003	30520	100.000	106.0	80.58- 241.76	127.43
Average of Peak Amounts =					109.020		

Data File: 026F2601.D

Date: 07-APR-2012 23:47

Client ID: Instrument: GC_W.i

Sample Info: IC-1275684, L3 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\027F2701.D
Lab Smp Id: IC-1275692
Inj Date : 08-APR-2012 00:10
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275692, L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:50 Cal File: 032F3201.D
Als bottle: 27 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

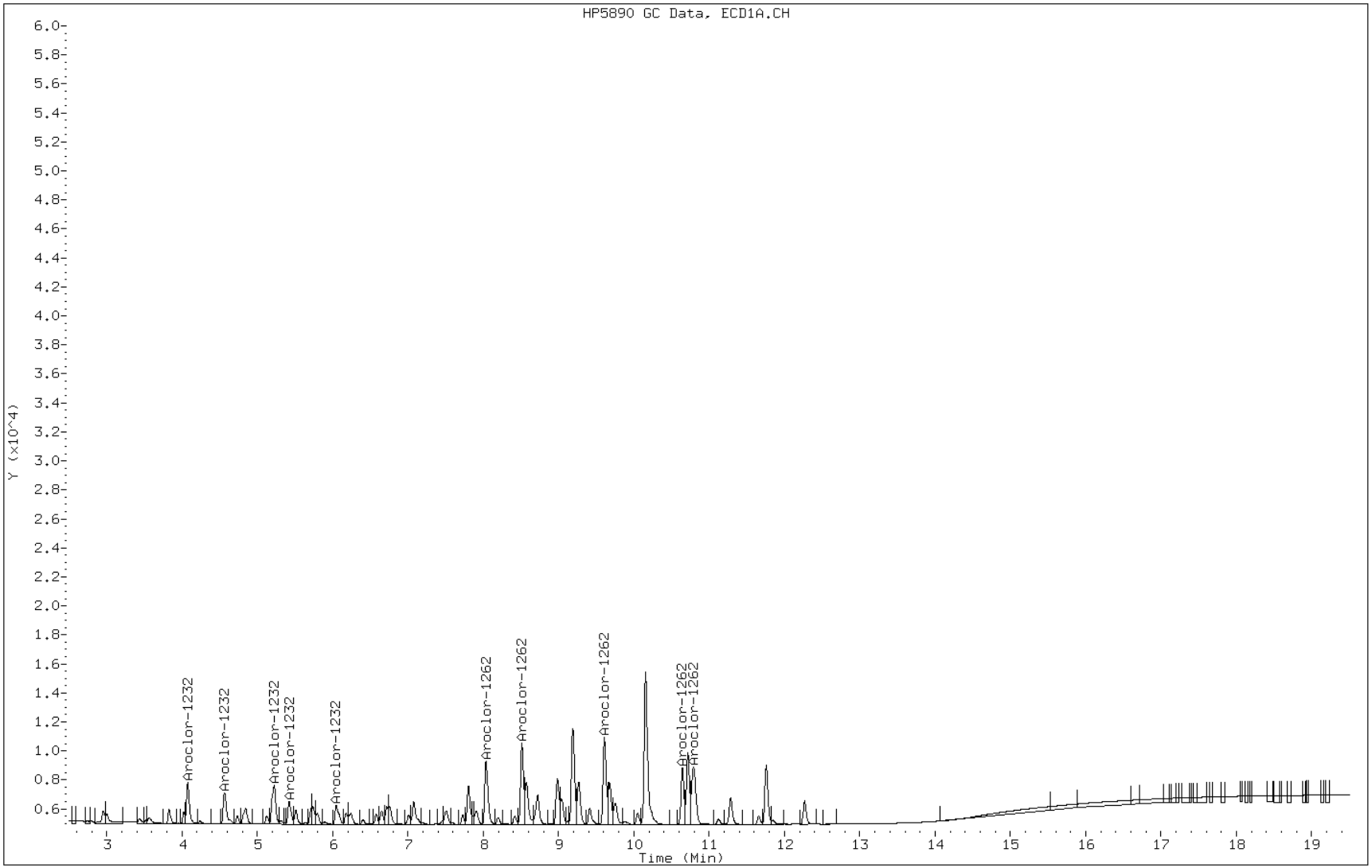
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.076	4.073	0.003	7660	50.0000	55.71	50.00- 150.00	100.00
4.566	4.563	0.003	7172	50.0000	57.27	317.01- 951.03	93.62
5.223	5.223	0.000	9466	50.0000	53.24	689.98-2069.93	123.56
5.423	5.423	0.000	4649	50.0000	55.36	517.87-1553.61	60.69
6.046	6.046	0.000	4553	50.0000	53.66	268.49- 805.46	59.44
	Average of Peak Amounts =				55.0480		
9 Aroclor-1262					CAS #:		
8.036	8.033	0.003	13370	50.0000	52.73	50.00- 150.00	100.00
8.513	8.510	0.003	15623	50.0000	51.38	191.51- 574.53	116.85
9.610	9.606	0.004	17398	50.0000	52.16	77.67- 233.02	130.12
10.643	10.643	0.000	10730	50.0000	50.20	80.58- 241.76	80.26
10.793	10.790	0.003	16651	50.0000	52.44	80.58- 241.76	124.53
	Average of Peak Amounts =				51.7820		

Data File: 027F2701.D

Date: 08-APR-2012 00:10

Client ID: Instrument: GC_W.i

Sample Info: IC-1275692, L2 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\028F2801.D
Lab Smp Id: IC-1275693
Inj Date : 08-APR-2012 00:33
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275693, L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 28 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

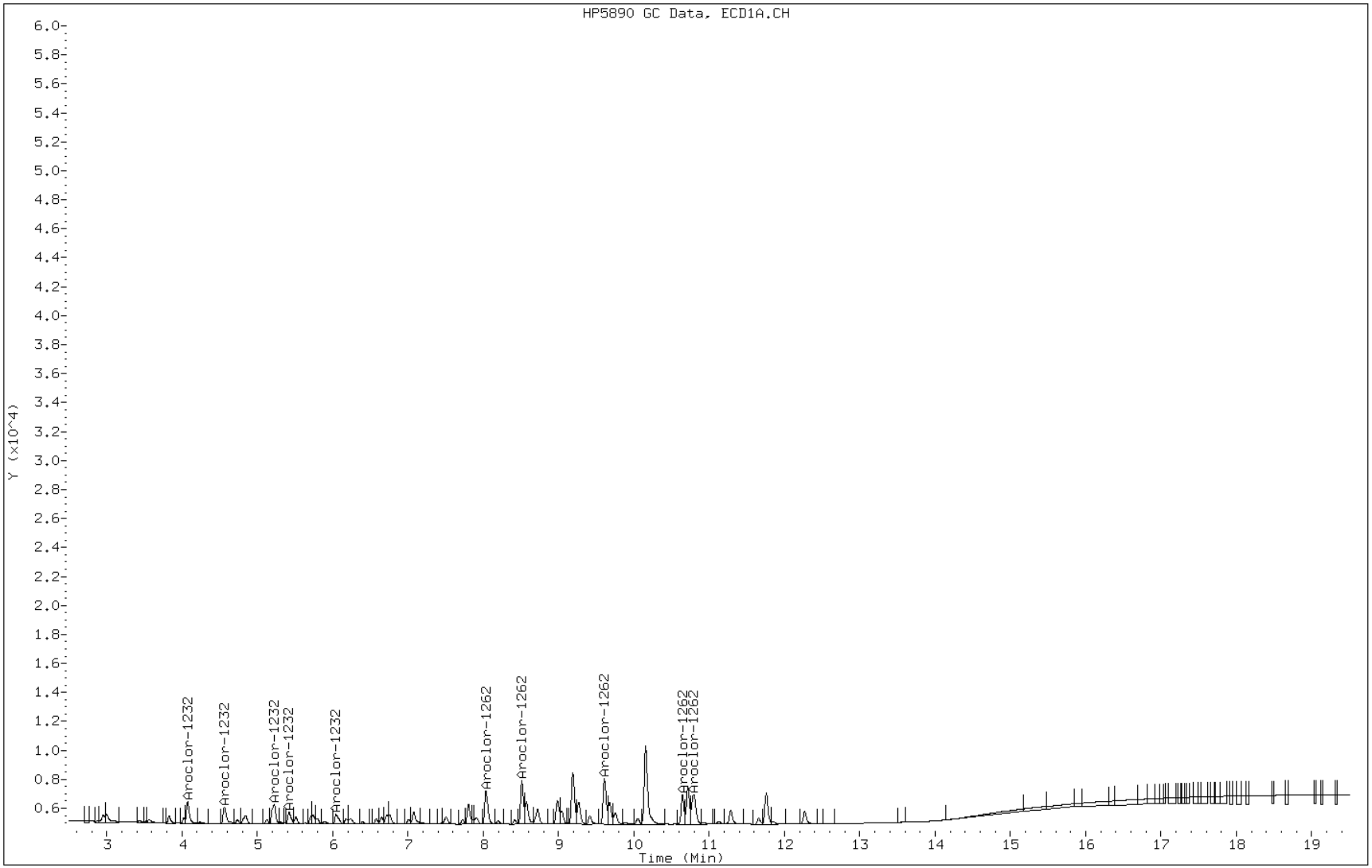
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.076	4.073	0.003	4008	25.0000	17.80	50.00- 150.00	100.00
4.563	4.563	0.000	3590	25.0000	17.58	317.01- 951.03	89.57
5.223	5.223	0.000	4677	25.0000	21.54	689.98-2069.93	116.69
5.420	5.423	-0.003	2220	25.0000	19.46	517.87-1553.61	55.39
6.046	6.046	0.000	2200	25.0000	20.37	268.49- 805.46	54.90
Average of Peak Amounts =					19.3500		
9 Aroclor-1262					CAS #:		
8.036	8.033	0.003	6882	25.0000	18.15	50.00- 150.00	100.00
8.513	8.510	0.003	8185	25.0000	18.05	191.51- 574.53	118.92
9.610	9.606	0.004	9060	25.0000	19.13	77.67- 233.02	131.63
10.646	10.643	0.003	5375	25.0000	21.53	80.58- 241.76	78.10
10.796	10.790	0.006	8317	25.0000	21.23	80.58- 241.76	120.85
Average of Peak Amounts =					19.6180		

Data File: 028F2801.D

Date: 08-APR-2012 00:33

Client ID: Instrument: GC_W.i

Sample Info: IC-1275693, L1 Operator: JAX



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 22:15 Calibration End Date: 04/08/2012 00:33 Calibration ID: 9005

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/28	028F2801.D
Level 2	IC 280-114734/27	027F2701.D
Level 3	IC 280-114734/26	026F2601.D
Level 4	IC 280-114734/25	025F2501.D
Level 5	IC 280-114734/24	024F2401.D
Level 6	IC 280-114734/23	023F2301.D
Level 7	IC 280-114734/22	022F2201.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1232 Peak 1	4.037	4.037	4.040	4.037	4.037	4.037	4.037				3.837 - 4.237	4.037
PCB-1232 Peak 2	4.300	4.300	4.300	4.300	4.300	4.297	4.300				4.100 - 4.500	4.300
PCB-1232 Peak 3	4.867	4.867	4.867	4.863	4.863	4.863	4.863				4.663 - 5.063	4.865
PCB-1232 Peak 4	5.523	5.523	5.523	5.523	5.523	5.520	5.523				5.323 - 5.723	5.523
PCB-1232 Peak 5	6.453	6.457	6.457	6.453	6.453	6.453	6.453				6.253 - 6.653	6.454
PCB-1262 Peak 1	8.553	8.553	8.553	8.553	8.550	8.550	8.550				8.350 - 8.750	8.552
PCB-1262 Peak 2	9.203	9.203	9.203	9.203	9.203	9.200	9.200				9.003 - 9.403	9.202
PCB-1262 Peak 3	9.700	9.697	9.697	9.697	9.693	9.693	9.693				9.493 - 9.893	9.696
PCB-1262 Peak 4	10.203	10.203	10.203	10.200	10.200	10.200	10.200				10.000 - 10.400	10.201
PCB-1262 Peak 5	10.660	10.660	10.660	10.657	10.657	10.657	10.657				10.457 - 10.857	10.658

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 22:15 Calibration End Date: 04/08/2012 00:33 Calibration ID: 9005

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/28	028F2801.D
Level 2	IC 280-114734/27	027F2701.D
Level 3	IC 280-114734/26	026F2601.D
Level 4	IC 280-114734/25	025F2501.D
Level 5	IC 280-114734/24	024F2401.D
Level 6	IC 280-114734/23	023F2301.D
Level 7	IC 280-114734/22	022F2201.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1232 Peak 1	33.600 26.590	32.700 27.264	31.180 23.753	28.668	Lin1	-12.461852	25.5454416							0.9941		0.9900
PCB-1232 Peak 2	111.92 75.250	107.98 77.009	97.990 66.722	86.284	Lin1	-21.334372	71.8650098							0.9912		0.9900
PCB-1232 Peak 3	119.20 71.660	103.06 71.533	92.910 62.152	81.284	Lin1	-25.797496	66.7123846							0.9918		0.9900
PCB-1232 Peak 4	142.48 117.96	140.66 122.29	131.71 108.09	125.11	Lin1	-9.3702379	114.856578							0.9960		0.9900
PCB-1232 Peak 5	57.640 38.362	52.640 40.016	48.070 35.206	41.828	Lin1	-18.557540	37.1154603							0.9951		0.9900
PCB-1262 Peak 1	228.76 162.37	218.22 160.82	196.08 141.26	180.95	Lin1	-18.777598	152.104207							0.9925		0.9900
PCB-1262 Peak 2	201.16 153.89	193.38 154.79	178.20 137.29	165.66	Lin1	-13.959967	146.335146							0.9950		0.9900
PCB-1262 Peak 3	315.56 223.22	305.74 221.62	276.55 193.96	249.53	Lin1	-19.600065	209.269381							0.9918		0.9900
PCB-1262 Peak 4	287.04 210.46	274.94 210.73	254.92 185.36	231.38	Lin1	-16.830130	198.937727							0.9934		0.9900
PCB-1262 Peak 5	485.92 379.03	490.22 378.18	457.49 332.19	412.53	Lin1	-15.314586	358.010727							0.9929		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2012 22:15 Calibration End Date: 04/08/2012 00:33 Calibration ID: 9005

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/28	028F2801.D
Level 2	IC 280-114734/27	027F2701.D
Level 3	IC 280-114734/26	026F2601.D
Level 4	IC 280-114734/25	025F2501.D
Level 5	IC 280-114734/24	024F2401.D
Level 6	IC 280-114734/23	023F2301.D
Level 7	IC 280-114734/22	022F2201.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Lin1	840 20448	1635 23753	3118	7167	13295	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 2	Lin1	2798 57757	5399 66722	9799	21571	37625	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 3	Lin1	2980 53650	5153 62152	9291	20321	35830	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 4	Lin1	3562 91716	7033 108093	13171	31278	58979	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 5	Lin1	1441 30012	2632 35206	4807	10457	19181	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 1	Lin1	5719 120616	10911 141260	19608	45237	81186	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 2	Lin1	5029 116091	9669 137288	17820	41415	76946	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 3	Lin1	7889 166218	15287 193955	27655	62383	111612	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 4	Lin1	7176 158048	13747 185359	25492	57846	105231	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 5	Lin1	12148 283635	24511 332192	45749	103133	189513	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\022F2201.D
Lab Smp Id: IC-1274690
Inj Date : 07-APR-2012 22:15
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1274690, 3262
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 22:54 Cal File: 027F2701.D
Als bottle: 22 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

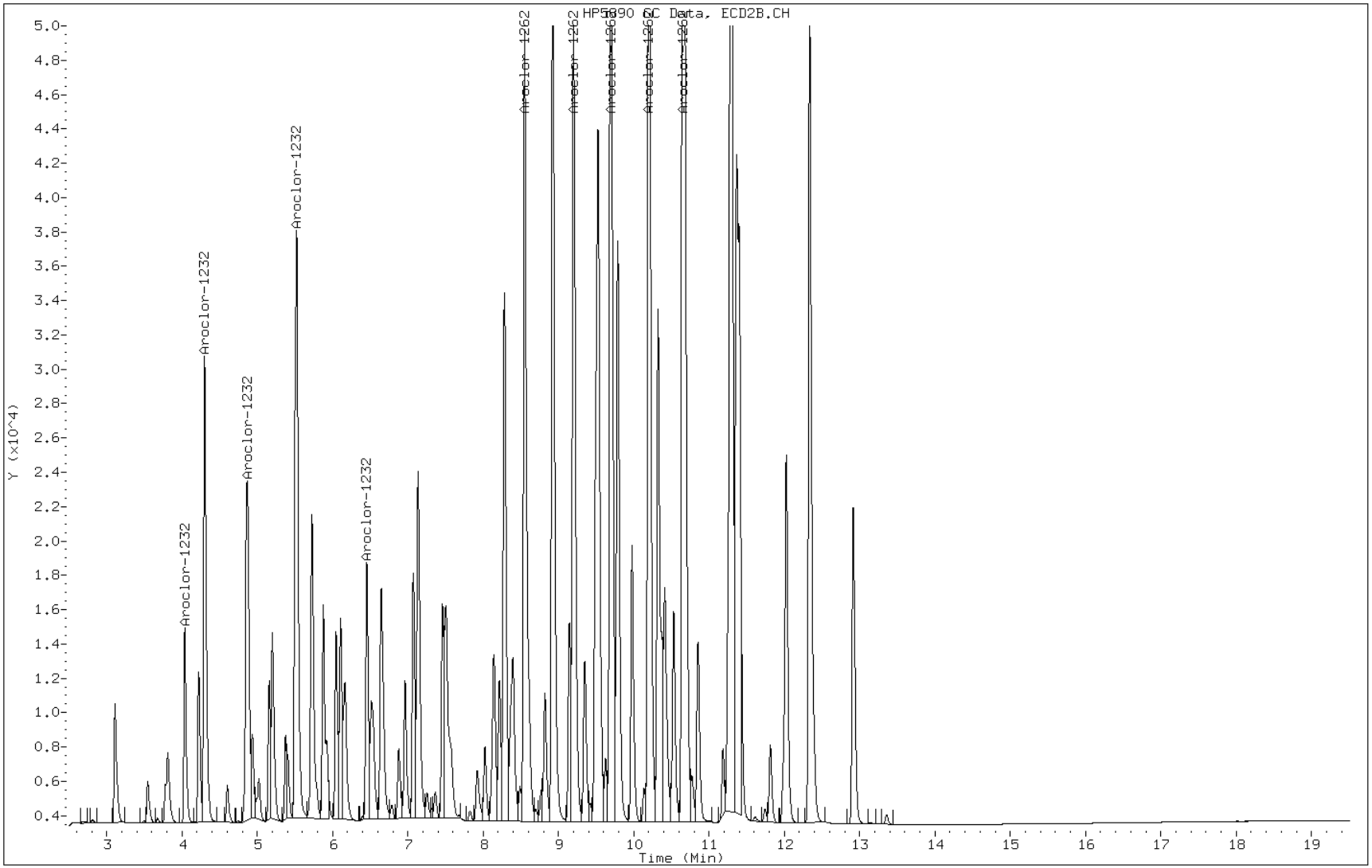
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.036	4.036	0.000	23753	1000.00	925.9	50.00- 150.00	100.00
4.300	4.300	0.000	66722	1000.00	893.7	146.93- 440.80	280.90
4.863	4.863	0.000	62152	1000.00	893.5	129.59- 388.77	261.66
5.523	5.523	0.000	108093	1000.00	914.2	200.98- 602.93	455.07
6.453	6.453	0.000	35206	1000.00	912.5	70.81- 212.44	148.22
Average of Peak Amounts =					907.960		
9 Aroclor-1262					CAS #:		
8.550	8.550	0.000	141260	1000.00	930.5	50.00- 150.00	100.00
9.200	9.203	-0.003	137288	1000.00	951.0	56.72- 170.15	97.19
9.693	9.693	0.000	193955	1000.00	938.0	69.30- 207.91	137.30
10.200	10.200	0.000	185359	1000.00	947.7	62.45- 187.35	131.22
10.656	10.656	0.000	332192	1000.00	942.4	110.80- 332.41	235.16
Average of Peak Amounts =					941.920		

Data File: 022F2201.D

Date: 07-APR-2012 22:15

Client ID: Instrument: GC_W.i

Sample Info: IC-1274690, 3262 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\023F2301.D
Lab Smp Id: IC-1275615
Inj Date : 07-APR-2012 22:38
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275615, L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:17 Cal File: 028F2801.D
Als bottle: 23 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

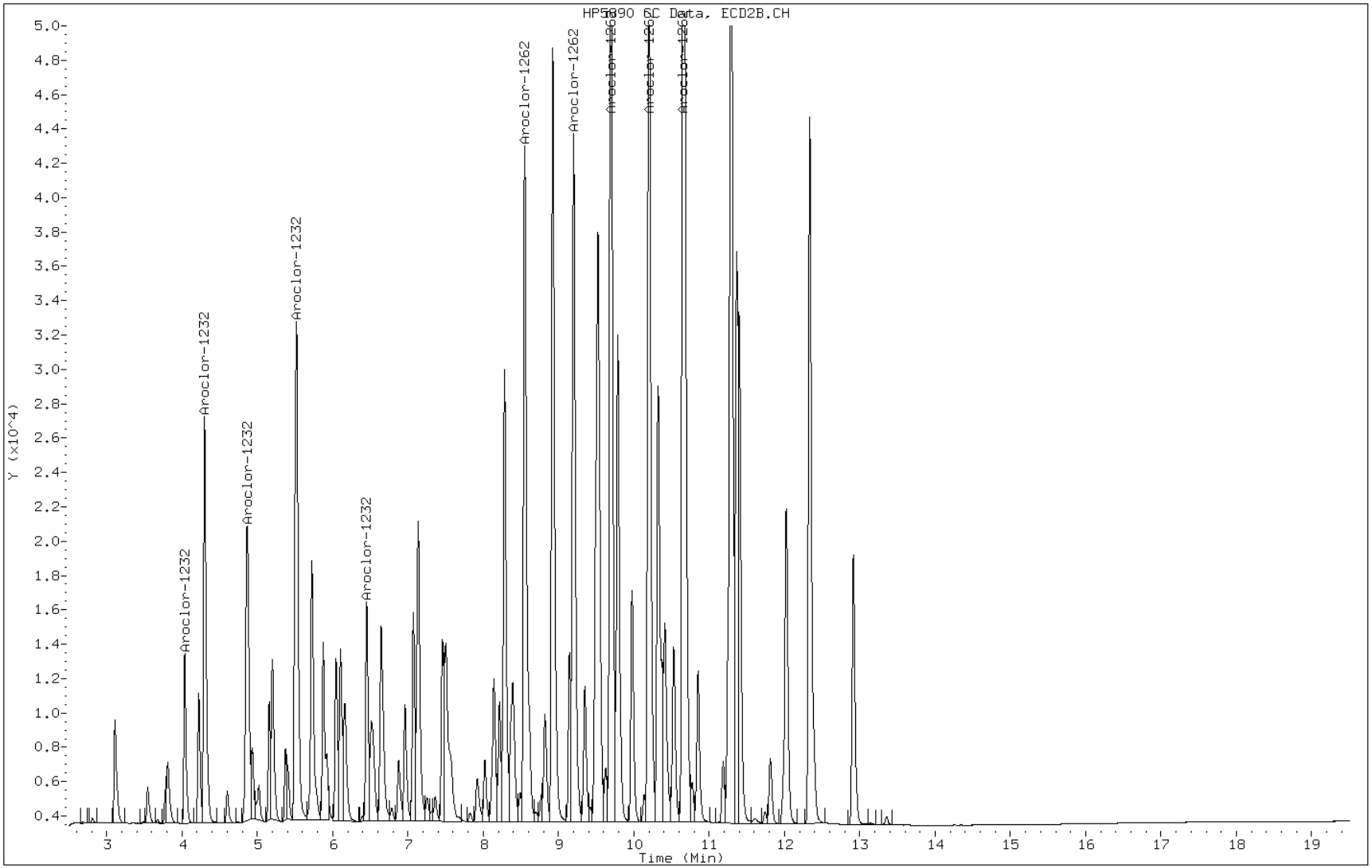
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.036	4.036	0.000	20448	750.000	784.7	50.00- 150.00	100.00
4.296	4.300	-0.004	57757	750.000	765.0	146.93- 440.80	282.46
4.863	4.863	0.000	53650	750.000	763.6	129.59- 388.77	262.37
5.520	5.523	-0.003	91716	750.000	771.6	200.98- 602.93	448.53
6.453	6.453	0.000	30012	750.000	772.6	70.81- 212.44	146.77
Average of Peak Amounts =					771.500		
9 Aroclor-1262					CAS #:		
8.550	8.550	0.000	120616	750.000	775.0	50.00- 150.00	100.00
9.200	9.203	-0.003	116091	750.000	782.3	56.72- 170.15	96.25
9.693	9.693	0.000	166218	750.000	780.4	69.30- 207.91	137.81
10.200	10.200	0.000	158048	750.000	784.1	62.45- 187.35	131.03
10.656	10.656	0.000	283635	750.000	782.7	110.80- 332.41	235.15
Average of Peak Amounts =					780.900		

Data File: 023F2301.D

Date: 07-APR-2012 22:38

Client ID: Instrument: GC_W.i

Sample Info: IC-1275615, L6 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\024F2401.D
Lab Smp Id: IC-1275662
Inj Date : 07-APR-2012 23:01
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275662, L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:40 Cal File: 029F2901.D
Als bottle: 24 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

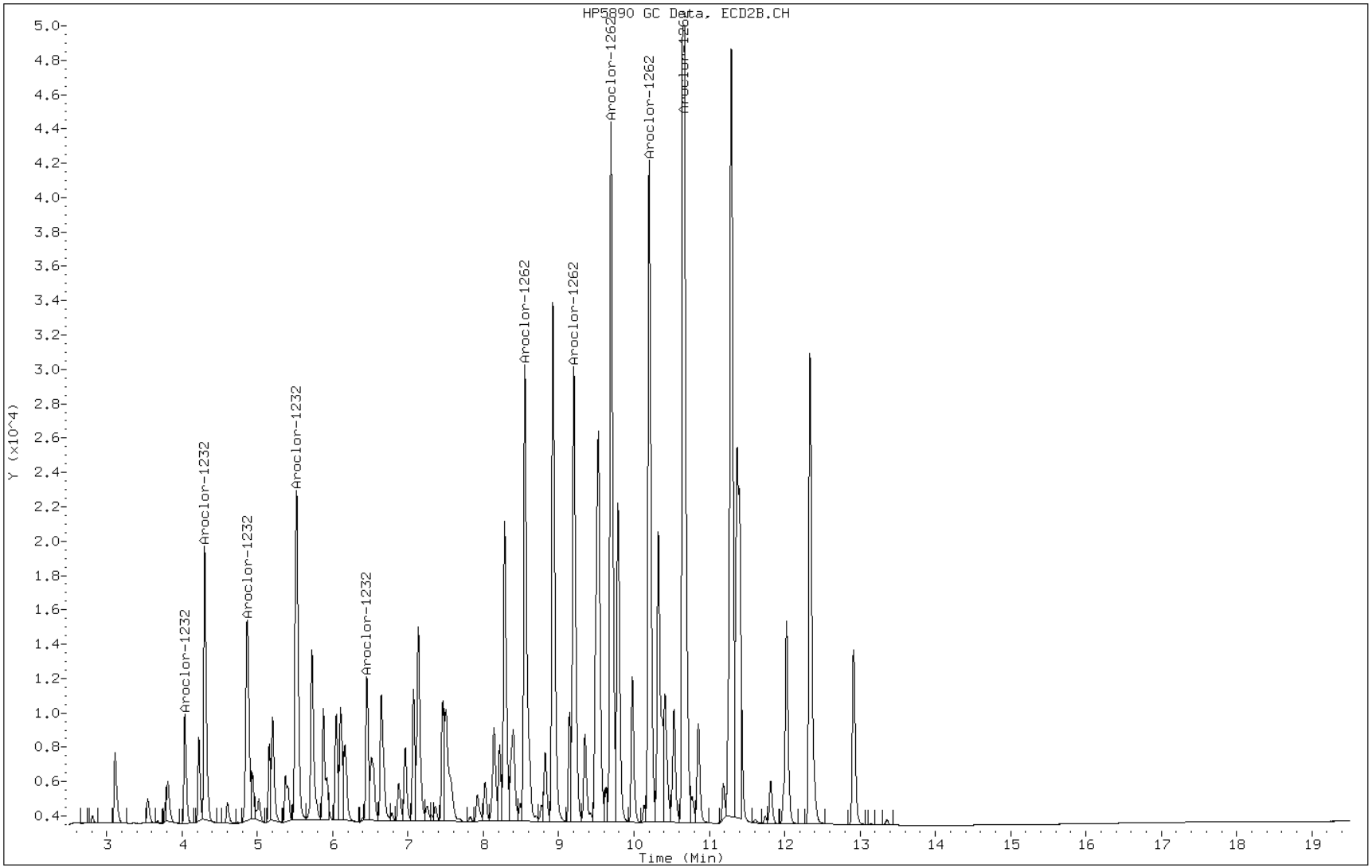
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.036	4.036	0.000	13295	500.000	505.6	50.00- 150.00	100.00
4.300	4.300	0.000	37625	500.000	497.6	146.93- 440.80	283.00
4.863	4.863	0.000	35830	500.000	507.2	129.59- 388.77	269.50
5.523	5.523	0.000	58979	500.000	497.6	200.98- 602.93	443.61
6.453	6.453	0.000	19181	500.000	491.4	70.81- 212.44	144.28
Average of Peak Amounts =					499.880		
9 Aroclor-1262					CAS #:		
8.550	8.550	0.000	81186	500.000	514.2	50.00- 150.00	100.00
9.203	9.203	0.000	76946	500.000	511.4	56.72- 170.15	94.78
9.693	9.693	0.000	111612	500.000	515.2	69.30- 207.91	137.48
10.200	10.200	0.000	105231	500.000	513.9	62.45- 187.35	129.62
10.656	10.656	0.000	189513	500.000	515.1	110.80- 332.41	233.43
Average of Peak Amounts =					513.960		

Data File: 024F2401.D

Date: 07-APR-2012 23:01

Client ID: Instrument: GC_W.i

Sample Info: IC-1275662, L5 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\025F2501.D
Lab Smp Id: IC-1275683
Inj Date : 07-APR-2012 23:24
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275683, L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:03 Cal File: 030F3001.D
Als bottle: 25 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

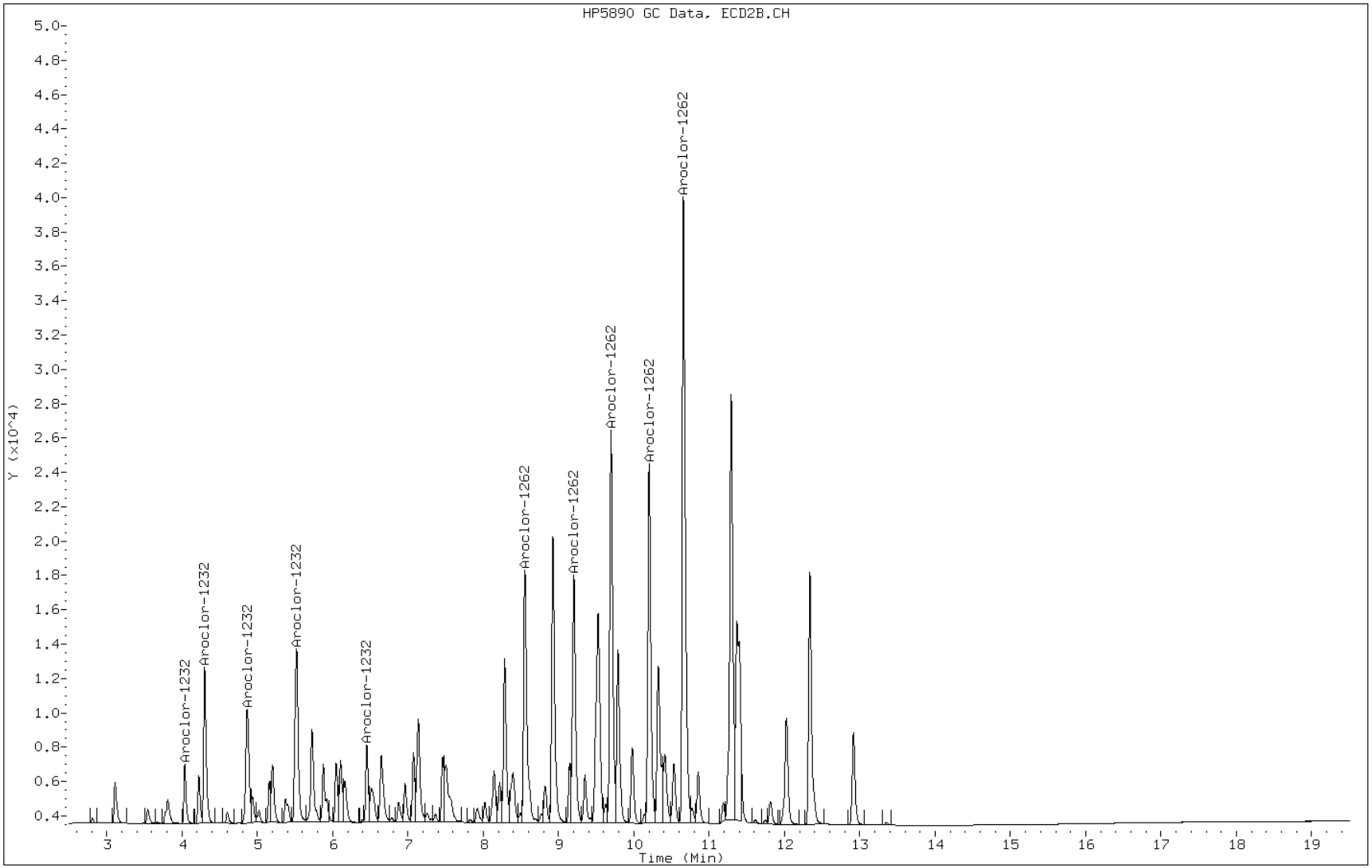
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.036	4.036	0.000	7167	250.000	267.3	50.00- 150.00	100.00
4.300	4.300	0.000	21571	250.000	276.7	146.93- 440.80	300.95
4.863	4.863	0.000	20321	250.000	278.8	129.59- 388.77	283.52
5.523	5.523	0.000	31278	250.000	260.1	200.98- 602.93	436.37
6.453	6.453	0.000	10457	250.000	256.8	70.81- 212.44	145.89
Average of Peak Amounts =					267.940		
9 Aroclor-1262					CAS #:		
8.553	8.550	0.003	45237	250.000	278.5	50.00- 150.00	100.00
9.203	9.203	0.000	41415	250.000	268.7	56.72- 170.15	91.55
9.696	9.693	0.003	62383	250.000	279.1	69.30- 207.91	137.90
10.200	10.200	0.000	57846	250.000	274.9	62.45- 187.35	127.87
10.656	10.656	0.000	103133	250.000	273.1	110.80- 332.41	227.98
Average of Peak Amounts =					274.860		

Data File: 025F2501.D

Date: 07-APR-2012 23:24

Client ID: Instrument: GC_W.i

Sample Info: IC-1275683, L4 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\026F2601.D
Lab Smp Id: IC-1275684
Inj Date : 07-APR-2012 23:47
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275684, L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:27 Cal File: 031F3101.D
Als bottle: 26 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

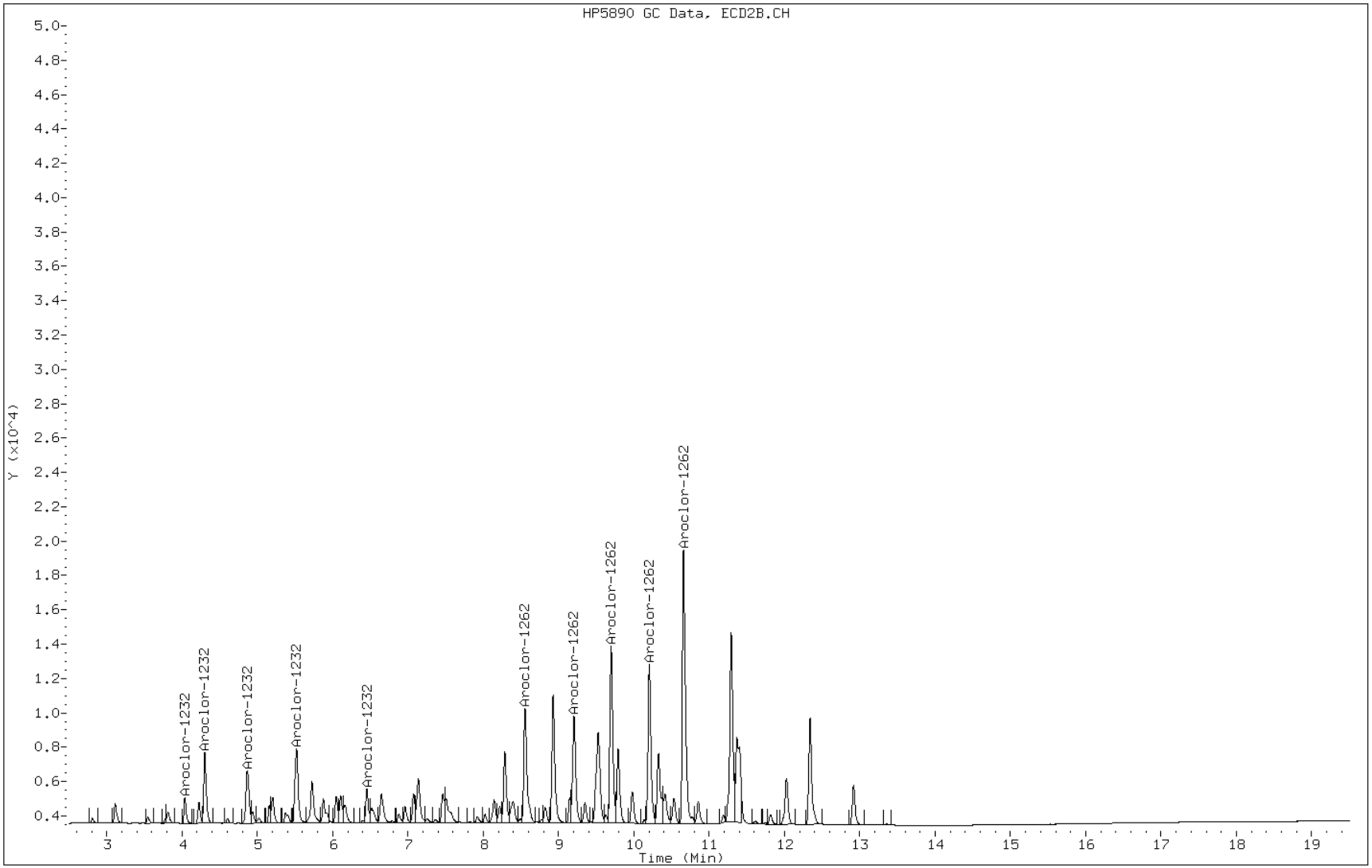
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.040	4.036	0.004	3118	100.000	108.6	50.00- 150.00	100.00
4.300	4.300	0.000	9799	100.000	113.2	146.93- 440.80	314.27
4.866	4.863	0.003	9291	100.000	115.1	129.59- 388.77	297.99
5.523	5.523	0.000	13171	100.000	103.4	200.98- 602.93	422.40
6.456	6.453	0.003	4807	100.000	101.9	70.81- 212.44	154.19
		Average of Peak Amounts =			108.440		
9 Aroclor-1262					CAS #:		
8.553	8.550	0.003	19608	100.000	111.0	50.00- 150.00	100.00
9.203	9.203	0.000	17820	100.000	107.8	56.72- 170.15	90.88
9.696	9.693	0.003	27655	100.000	113.3	69.30- 207.91	141.04
10.203	10.200	0.003	25492	100.000	112.4	62.45- 187.35	130.01
10.660	10.656	0.004	45749	100.000	112.7	110.80- 332.41	233.31
		Average of Peak Amounts =			111.440		

Data File: 026F2601.D

Date: 07-APR-2012 23:47

Client ID: Instrument: GC_W.i

Sample Info: IC-1275684, L3 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\027F2701.D
Lab Smp Id: IC-1275692
Inj Date : 08-APR-2012 00:10
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275692, L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:50 Cal File: 032F3201.D
Als bottle: 27 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

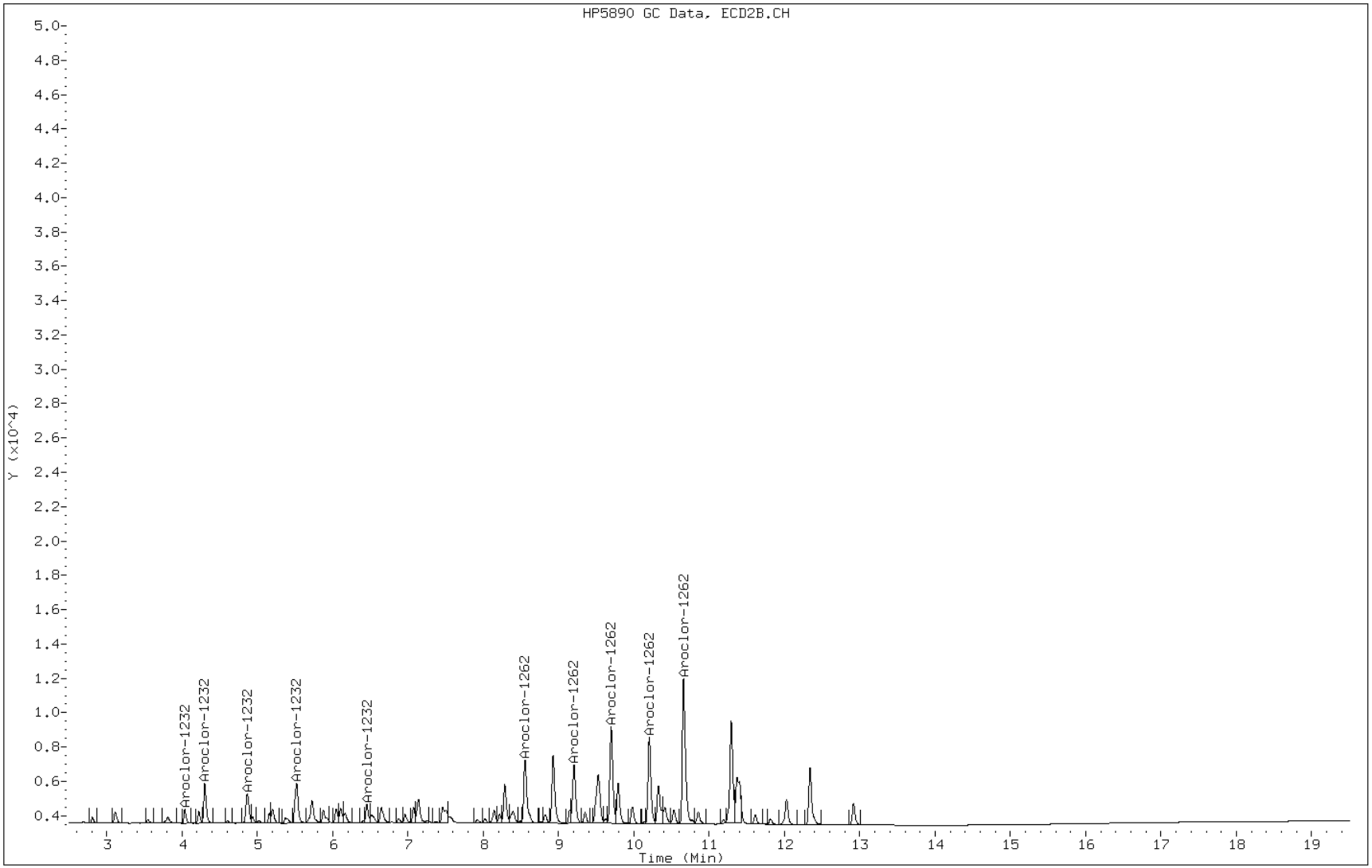
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.036	4.036	0.000	1635	50.0000	51.78	50.00- 150.00	100.00
4.300	4.300	0.000	5399	50.0000	52.50	146.93- 440.80	330.20
4.866	4.863	0.003	5153	50.0000	53.47	129.59- 388.77	315.13
5.523	5.523	0.000	7033	50.0000	51.06	200.98- 602.93	430.13
6.456	6.453	0.003	2632	50.0000	42.74	70.81- 212.44	160.98
Average of Peak Amounts =					50.3100		
9 Aroclor-1262					CAS #:		
8.553	8.550	0.003	10911	50.0000	53.70	50.00- 150.00	100.00
9.203	9.203	0.000	9669	50.0000	52.11	56.72- 170.15	88.61
9.696	9.693	0.003	15287	50.0000	53.73	69.30- 207.91	140.10
10.203	10.200	0.003	13747	50.0000	53.07	62.45- 187.35	125.99
10.660	10.656	0.004	24511	50.0000	52.95	110.80- 332.41	224.63
Average of Peak Amounts =					53.1120		

Data File: 027F2701.D

Date: 08-APR-2012 00:10

Client ID: Instrument: GC_W.i

Sample Info: IC-1275692, L2 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\028F2801.D
Lab Smp Id: IC-1275693
Inj Date : 08-APR-2012 00:33
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275693, L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 28 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

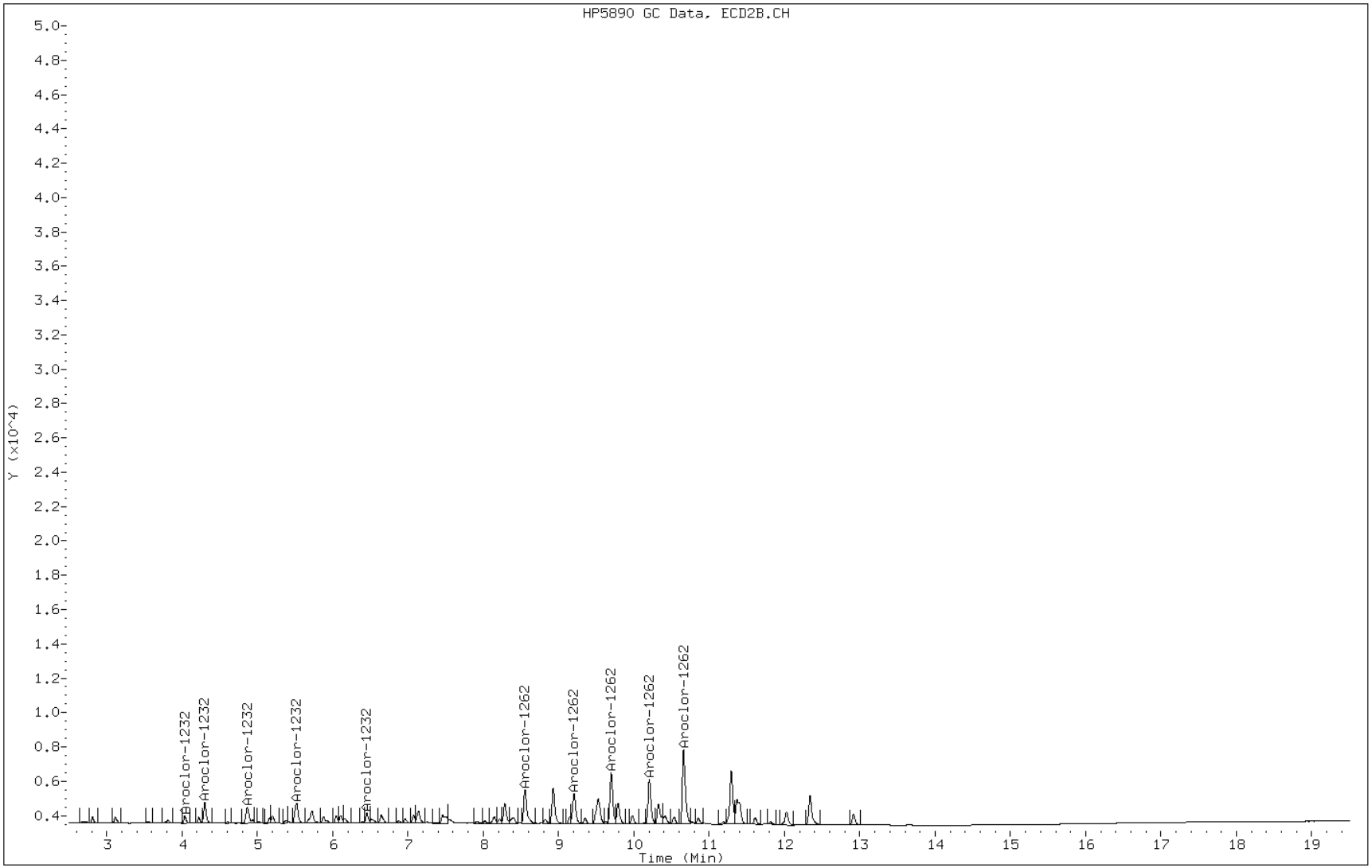
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.036	4.036	0.000	840	25.0000	20.42	50.00- 150.00	100.00
4.300	4.300	0.000	2798	25.0000	17.60	146.93- 440.80	332.80
4.866	4.863	0.003	2980	25.0000	18.87	129.59- 388.77	354.53
5.523	5.523	0.000	3562	25.0000	21.64	200.98- 602.93	423.64
6.453	6.453	0.000	1441	25.0000	20.27	70.81- 212.44	171.49
Average of Peak Amounts =					19.7600		
9 Aroclor-1262					CAS #:		
8.553	8.550	0.003	5719	25.0000	18.82	50.00- 150.00	100.00
9.203	9.203	0.000	5029	25.0000	20.41	56.72- 170.15	87.93
9.700	9.693	0.007	7889	25.0000	18.10	69.30- 207.91	137.94
10.203	10.200	0.003	7176	25.0000	19.24	62.45- 187.35	125.46
10.660	10.656	0.004	12148	25.0000	18.62	110.80- 332.41	212.41
Average of Peak Amounts =					19.0380		

Data File: 028F2801.D

Date: 08-APR-2012 00:33

Client ID: Instrument: GC_W.i

Sample Info: IC-1275693, L1 Operator: JAX



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2012 00:56 Calibration End Date: 04/08/2012 03:14 Calibration ID: 9001

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/35	035F3501.D
Level 2	IC 280-114734/34	034F3401.D
Level 3	IC 280-114734/33	033F3301.D
Level 4	IC 280-114734/32	032F3201.D
Level 5	IC 280-114734/31	031F3101.D
Level 6	IC 280-114734/30	030F3001.D
Level 7	IC 280-114734/29	029F2901.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1242 Peak 1	4.073	4.073	4.073	4.077	4.073	4.073	4.073				3.873 - 4.273	4.074
PCB-1242 Peak 2	4.563	4.563	4.563	4.563	4.560	4.560	4.563				4.360 - 4.760	4.562
PCB-1242 Peak 3	4.840	4.843	4.843	4.843	4.840	4.840	4.840				4.640 - 5.040	4.841
PCB-1242 Peak 4	5.220	5.223	5.223	5.223	5.223	5.223	5.223				5.023 - 5.423	5.223
PCB-1242 Peak 5	6.047	6.047	6.047	6.047	6.047	6.043	6.047				5.847 - 6.247	6.046
PCB-1268 Peak 1	9.600	9.600	9.600	9.600	9.597	9.597	9.597				9.397 - 9.797	9.599
PCB-1268 Peak 2	10.717	10.713	10.713	10.713	10.710	10.710	10.710				10.510 - 10.910	10.712
PCB-1268 Peak 3	10.780	10.780	10.777	10.780	10.777	10.777	10.777				10.577 - 10.977	10.778
PCB-1268 Peak 4	11.123	11.123	11.120	11.120	11.120	11.120	11.117				10.920 - 11.320	11.121
PCB-1268 Peak 5	11.757	11.757	11.753	11.757	11.753	11.753	11.753				11.553 - 11.953	11.755

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2012 00:56 Calibration End Date: 04/08/2012 03:14 Calibration ID: 9001

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/35	035F3501.D
Level 2	IC 280-114734/34	034F3401.D
Level 3	IC 280-114734/33	033F3301.D
Level 4	IC 280-114734/32	032F3201.D
Level 5	IC 280-114734/31	031F3101.D
Level 6	IC 280-114734/30	030F3001.D
Level 7	IC 280-114734/29	029F2901.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1242 Peak 1	113.84 76.170	110.68 71.785	109.58 65.833	85.824	Lin	-52.060285	65.3252494							0.9933		0.9900
PCB-1242 Peak 2	230.08 157.01	232.30 147.61	228.95 134.90	177.79	Lin	-54.052309	133.890264							0.9926		0.9900
PCB-1242 Peak 3	127.12 99.230	132.30 94.393	138.19 87.803	110.26	Lin	-41.997016	87.3663945							0.9949		0.9900
PCB-1242 Peak 4	322.96 267.87	337.06 259.46	350.91 242.20	289.37	Lin	-32.365687	242.316563							0.9964		0.9900
PCB-1242 Peak 5	168.12 134.53	176.54 129.29	180.70 120.34	147.38	Lin	-37.186281	120.096250							0.9958		0.9900
PCB-1268 Peak 1	289.04 204.43	296.64 193.43	294.02 177.95	229.12	Lin	-49.750637	176.622910							0.9938		0.9900
PCB-1268 Peak 2	794.76 579.43	829.84 556.28	809.82 500.95	649.68	Lin	-47.723232	502.691764							0.9923		0.9900
PCB-1268 Peak 3	826.08 680.20	893.20 650.75	922.65 616.56	736.71	Lin	-35.103301	611.657777							0.9969		0.9900
PCB-1268 Peak 4	617.84 477.36	645.20 459.82	646.84 426.21	520.36	Lin	-38.507403	425.270831							0.9957		0.9900
PCB-1268 Peak 5	266.68 221.74	284.70 215.78	286.31 201.77	235.70	Lin	-30.324326	201.899352							0.9970		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2012 00:56 Calibration End Date: 04/08/2012 03:14 Calibration ID: 9001

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/35	035F3501.D
Level 2	IC 280-114734/34	034F3401.D
Level 3	IC 280-114734/33	033F3301.D
Level 4	IC 280-114734/32	032F3201.D
Level 5	IC 280-114734/31	031F3101.D
Level 6	IC 280-114734/30	030F3001.D
Level 7	IC 280-114734/29	029F2901.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Lin	2846 53839	5534 65833	10958	21456	38085	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 2	Lin	5752 110704	11615 134899	22895	44447	78504	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 3	Lin	3178 70795	6615 87803	13819	27564	49615	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 4	Lin	8074 194597	16853 242201	35091	72343	133937	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 5	Lin	4203 96967	8827 120341	18070	36845	67266	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 1	Lin	7226 145072	14832 177951	29402	57280	102213	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 2	Lin	19869 417210	41492 500945	80982	162419	289714	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 3	Lin	20652 488064	44660 616564	92265	184177	340101	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 4	Lin	15446 344864	32260 426210	64684	130090	238678	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 5	Lin	6667 161838	14235 201774	28631	58924	110869	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin = Linear

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\029F2901.D
Lab Smp Id: IC-1274693
Inj Date : 08-APR-2012 00:56
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1274693, 4268
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 22:54 Cal File: 027F2701.D
Als bottle: 29 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

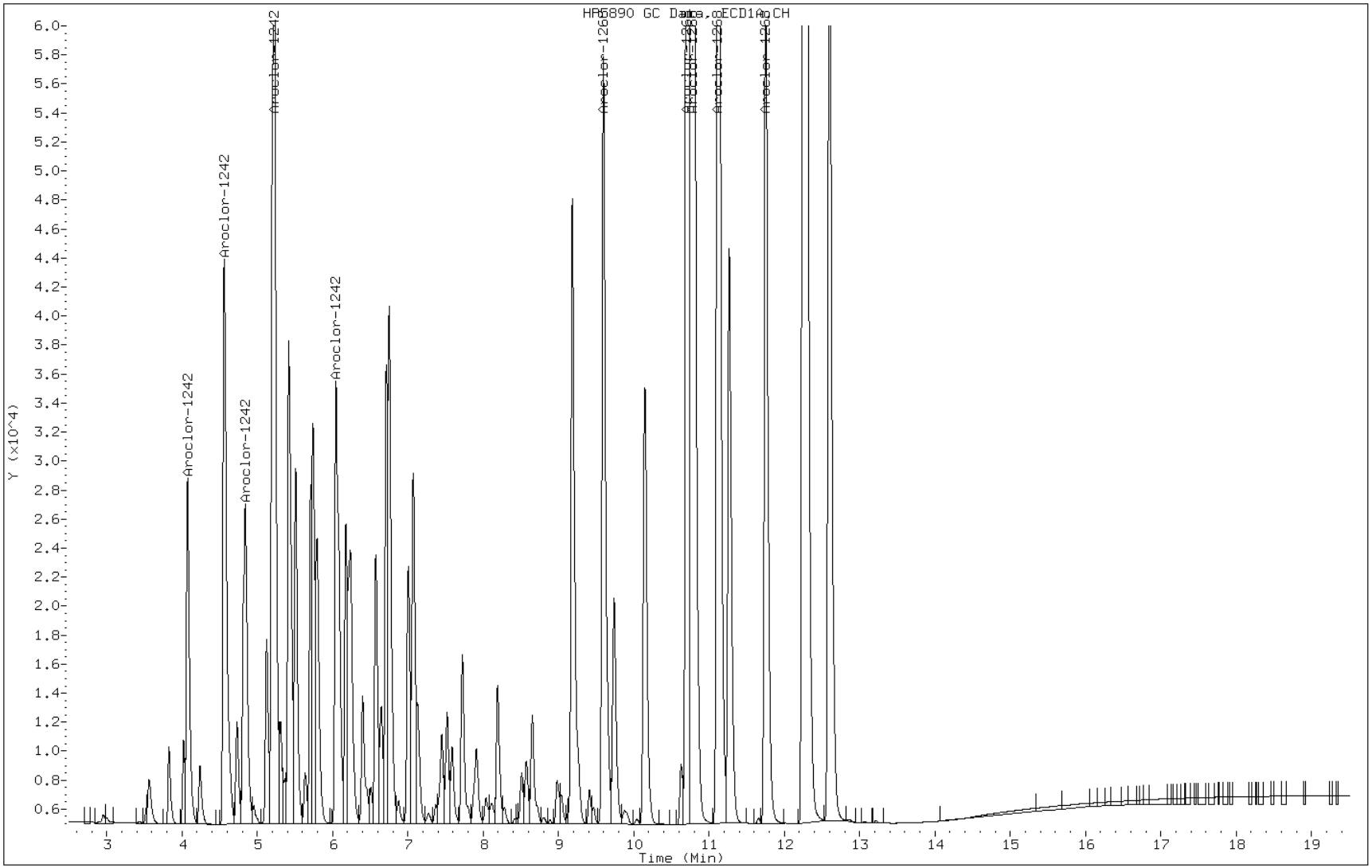
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
4.073	4.073	0.000	65833	1000.00	959.0	50.00- 150.00	100.00
4.563	4.560	0.003	134899	1000.00	956.4	108.83- 326.48	204.91
4.840	4.840	0.000	87803	1000.00	964.4	83.74- 251.22	133.37
5.223	5.223	0.000	242201	1000.00	966.1	35.48- 106.46	367.90
6.046	6.046	0.000	120341	1000.00	965.1	3.33- 9.98	182.80
Average of Peak Amounts =					962.200		
8 Aroclor-1268					CAS #:		
9.596	9.597	-0.001	177951	1000.00	920.3	50.00- 150.00	100.00
10.710	10.710	0.000	500945	1000.00	921.4	50.00- 150.00	281.51
10.776	10.777	-0.001	616564	1000.00	938.4	31.30- 93.90	346.48
11.116	11.120	-0.004	426210	1000.00	934.8	2.81- 8.43	239.51
11.753	11.753	0.000	201774	1000.00	955.0	24.39- 73.17	113.39
Average of Peak Amounts =					933.980		

Data File: 029F2901.D

Date: 08-APR-2012 00:56

Client ID: Instrument: GC_W.i

Sample Info: IC-1274693, 4268 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\030F3001.D
Lab Smp Id: IC-1275716
Inj Date : 08-APR-2012 01:19
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275716, L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:17 Cal File: 028F2801.D
Als bottle: 30 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

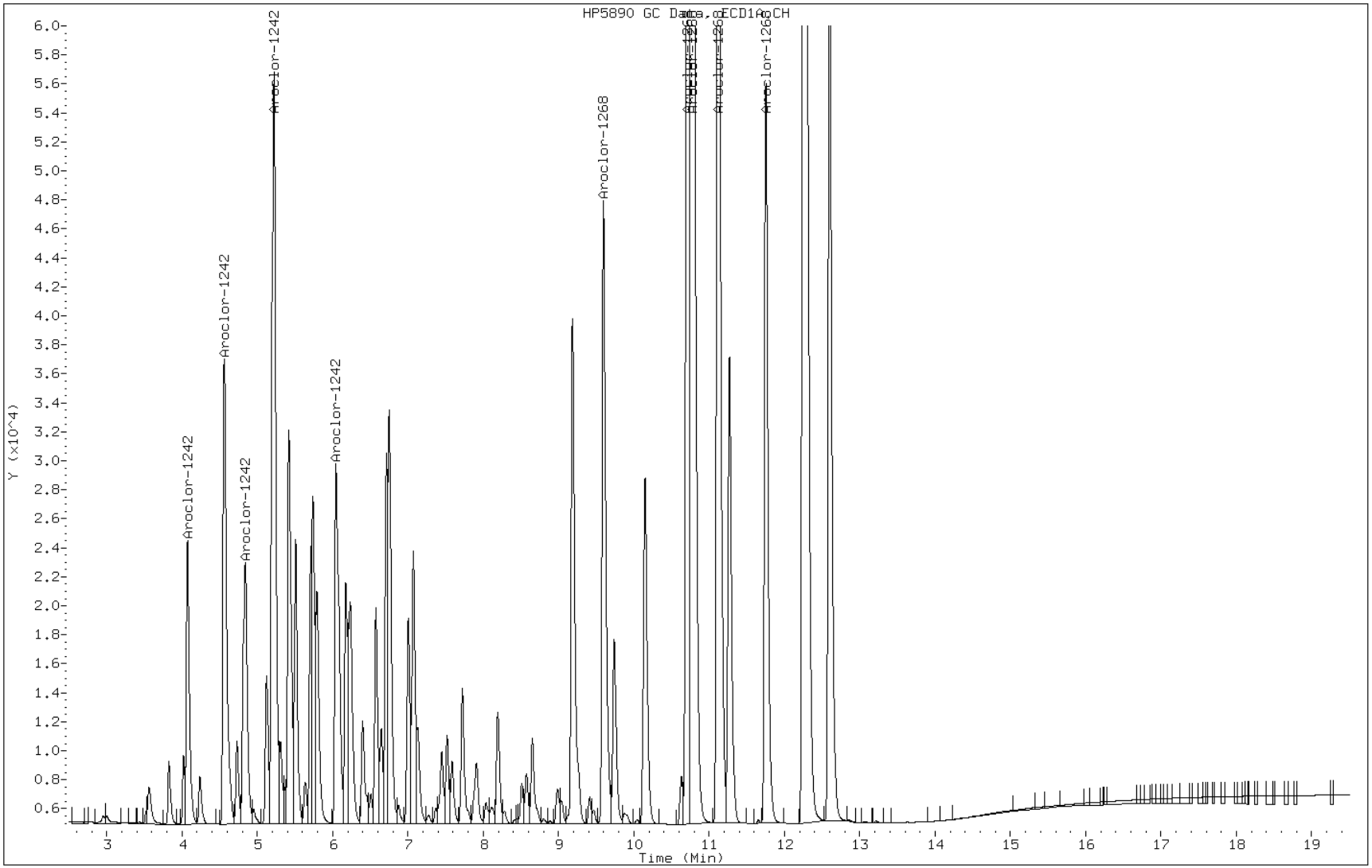
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
4.073	4.073	0.000	53839	750.000	772.5	50.00- 150.00	100.00
4.560	4.560	0.000	110704	750.000	773.3	108.83- 326.48	205.62
4.840	4.840	0.000	70795	750.000	769.0	83.74- 251.22	131.49
5.223	5.223	0.000	194597	750.000	771.1	35.48- 106.46	361.44
6.043	6.046	-0.003	96967	750.000	770.5	3.33- 9.98	180.11
		Average of Peak Amounts =			771.280		
8 Aroclor-1268					CAS #:		
9.596	9.597	-0.001	145072	750.000	744.9	50.00- 150.00	100.00
10.710	10.710	0.000	417210	750.000	756.0	50.00- 150.00	287.59
10.776	10.777	-0.001	488064	750.000	742.4	31.30- 93.90	336.43
11.120	11.120	0.000	344864	750.000	751.2	2.81- 8.43	237.72
11.753	11.753	0.000	161838	750.000	754.2	24.39- 73.17	111.56
		Average of Peak Amounts =			749.740		

Data File: 030F3001.D

Date: 08-APR-2012 01:19

Client ID: Instrument: GC_W.i

Sample Info: IC-1275716, L6 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\031F3101.D
Lab Smp Id: IC-1275861
Inj Date : 08-APR-2012 01:42
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275861, L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:40 Cal File: 029F2901.D
Als bottle: 31 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

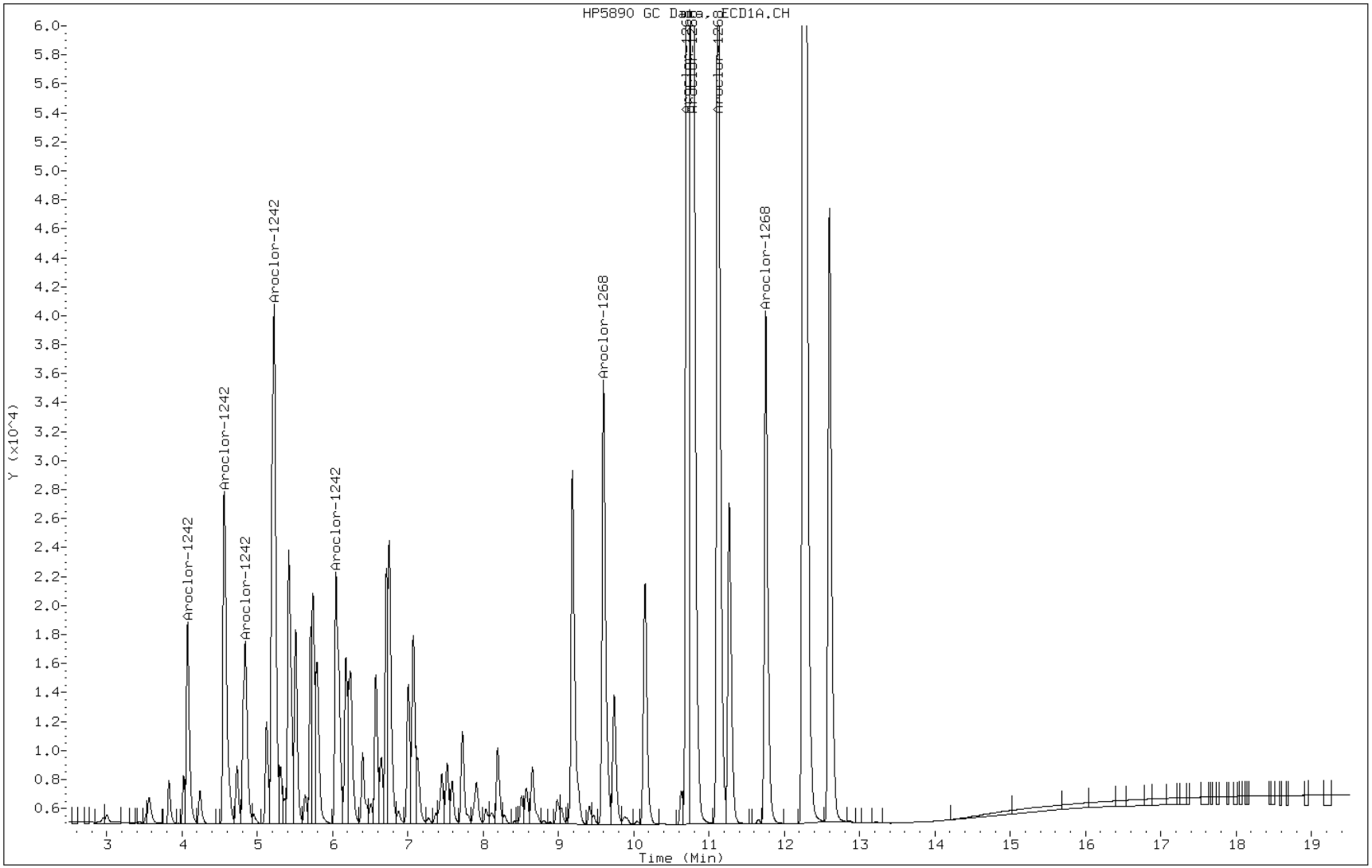
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
4.073	4.073	0.000	38085	500.000	532.1	50.00- 150.00	100.00
4.560	4.560	0.000	78504	500.000	532.7	108.83- 326.48	206.13
4.840	4.840	0.000	49615	500.000	527.1	83.74- 251.22	130.27
5.223	5.223	0.000	133937	500.000	521.0	35.48- 106.46	351.68
6.046	6.046	0.000	67266	500.000	523.2	3.33- 9.98	176.62
		Average of Peak Amounts =			527.220		
8 Aroclor-1268					CAS #:		
9.596	9.597	-0.001	102213	500.000	517.8	50.00- 150.00	100.00
10.710	10.710	0.000	289714	500.000	518.0	50.00- 150.00	283.44
10.776	10.777	-0.001	340101	500.000	512.4	31.30- 93.90	332.74
11.120	11.120	0.000	238678	500.000	514.1	2.81- 8.43	233.51
11.753	11.753	0.000	110869	500.000	512.2	24.39- 73.17	108.47
		Average of Peak Amounts =			514.900		

Data File: 031F3101.D

Date: 08-APR-2012 01:42

Client ID: Instrument: GC_W.i

Sample Info: IC-1275861, L5 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\032F3201.D
Lab Smp Id: IC-1275862
Inj Date : 08-APR-2012 02:06
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275862, L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:03 Cal File: 030F3001.D
Als bottle: 32 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

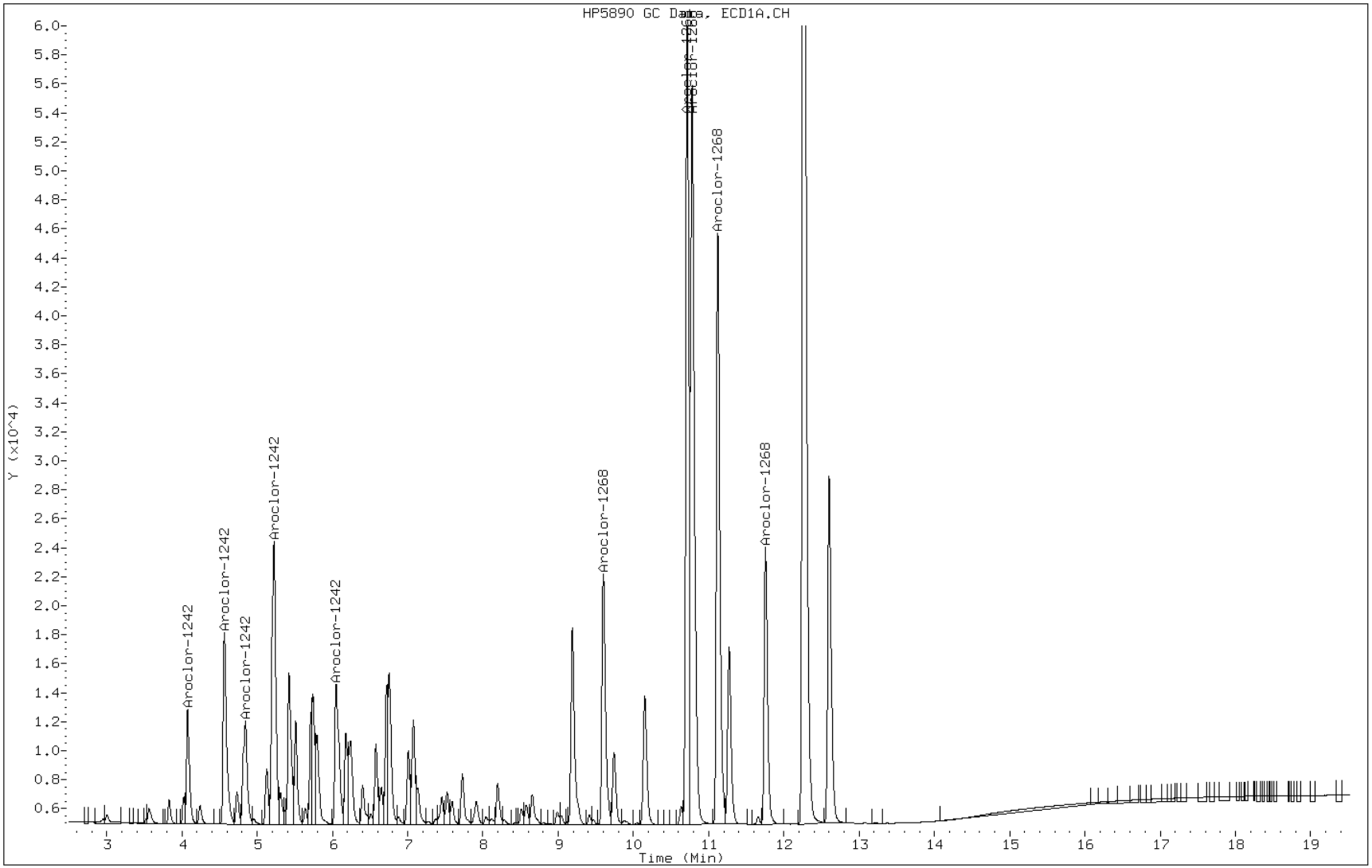
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
4.076	4.073	0.003	21456	250.000	277.9	50.00- 150.00	100.00
4.563	4.560	0.003	44447	250.000	277.6	108.83- 326.48	207.15
4.843	4.840	0.003	27564	250.000	274.4	83.74- 251.22	128.47
5.223	5.223	0.000	72343	250.000	266.6	35.48- 106.46	337.16
6.046	6.046	0.000	36845	250.000	269.6	3.33- 9.98	171.72
Average of Peak Amounts =					273.220		
8 Aroclor-1268					CAS #:		
9.600	9.597	0.003	57280	250.000	278.9	50.00- 150.00	100.00
10.713	10.710	0.003	162419	250.000	278.8	50.00- 150.00	283.55
10.780	10.777	0.003	184177	250.000	270.2	31.30- 93.90	321.54
11.120	11.120	0.000	130090	250.000	271.2	2.81- 8.43	227.11
11.756	11.753	0.003	58924	250.000	265.4	24.39- 73.17	102.87
Average of Peak Amounts =					272.900		

Data File: 032F3201.D

Date: 08-APR-2012 02:06

Client ID: Instrument: GC_W.i

Sample Info: IC-1275862, L4 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\033F3301.D
Lab Smp Id: IC-1275907
Inj Date : 08-APR-2012 02:28
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275907, L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:27 Cal File: 031F3101.D
Als bottle: 33 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

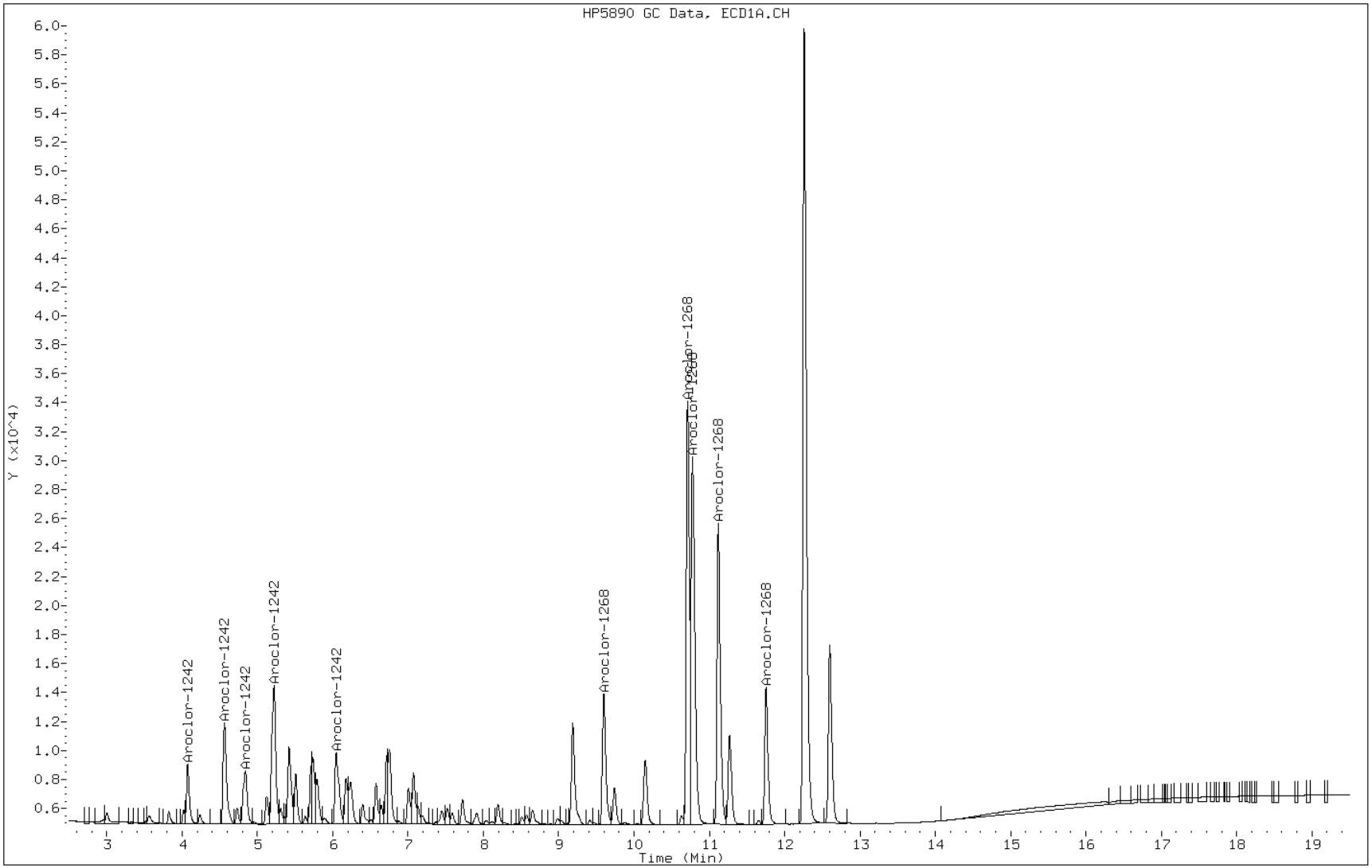
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
4.073	4.073	0.000	10958	100.000	116.7	50.00- 150.00	100.00
4.563	4.560	0.003	22895	100.000	116.1	108.83- 326.48	208.94
4.843	4.840	0.003	13819	100.000	116.2	83.74- 251.22	126.11
5.223	5.223	0.000	35091	100.000	112.5	35.48- 106.46	320.23
6.046	6.046	0.000	18070	100.000	113.2	3.33- 9.98	164.90
		Average of Peak Amounts =			114.940		
8 Aroclor-1268					CAS #:		
9.600	9.597	0.003	29402	100.000	131.0	50.00- 150.00	100.00
10.713	10.710	0.003	80982	100.000	127.6	50.00- 150.00	275.43
10.776	10.777	-0.001	92265	100.000	126.7	31.30- 93.90	313.80
11.120	11.120	0.000	64684	100.000	125.2	2.81- 8.43	220.00
11.753	11.753	0.000	28631	100.000	121.4	24.39- 73.17	97.38
		Average of Peak Amounts =			126.380		

Data File: 033F3301.D

Date: 08-APR-2012 02:28

Client ID: Instrument: GC_W.i

Sample Info: IC-1275907, L3 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\034F3401.D
Lab Smp Id: IC-1275908
Inj Date : 08-APR-2012 02:51
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275908, L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:50 Cal File: 032F3201.D
Als bottle: 34 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

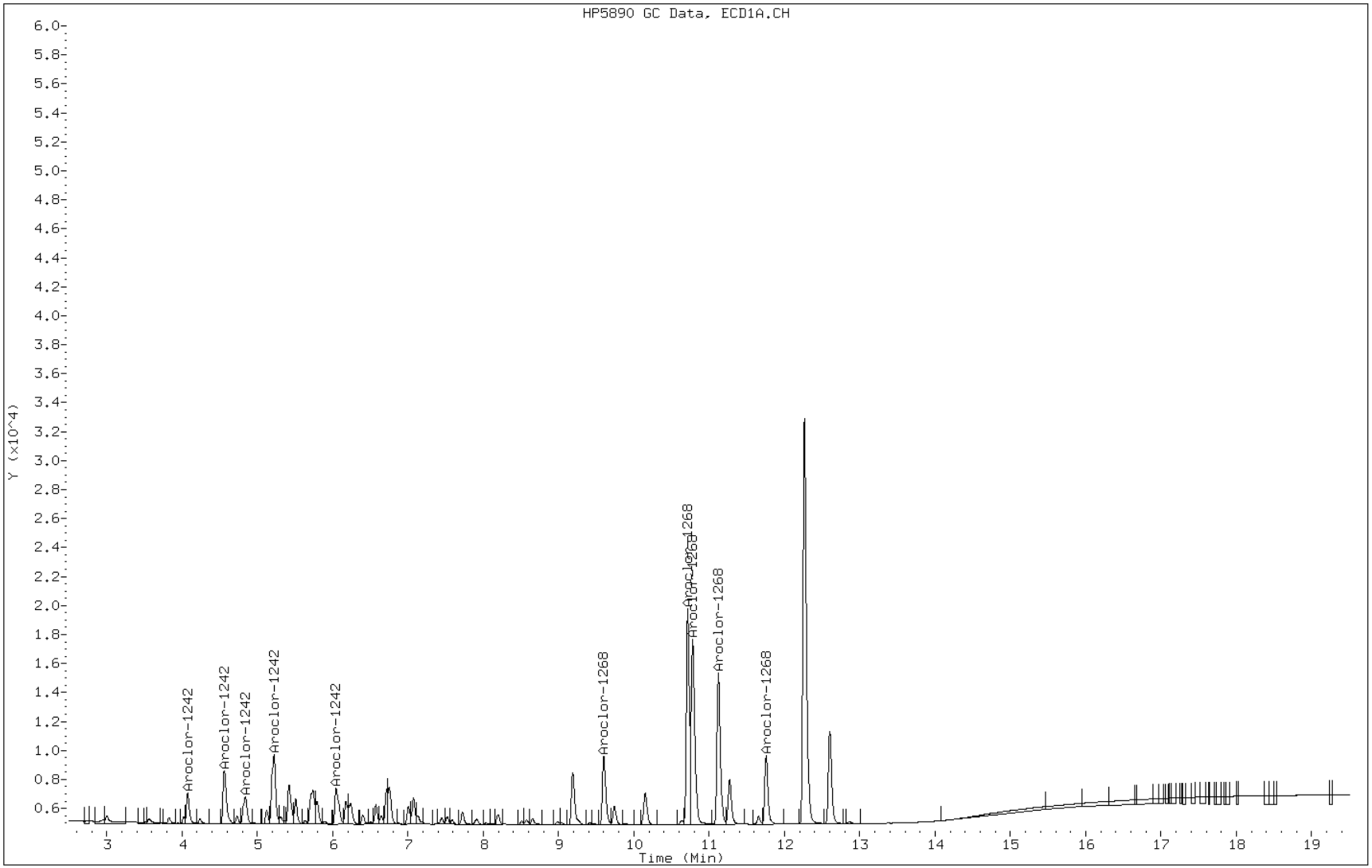
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
4.073	4.073	0.000	5534	50.0000	32.15	50.00- 150.00	100.00
4.563	4.560	0.003	11615	50.0000	32.12	108.83- 326.48	209.88
4.843	4.840	0.003	6615	50.0000	33.32	83.74- 251.22	119.54
5.223	5.223	0.000	16853	50.0000	36.98	35.48- 106.46	304.52
6.046	6.046	0.000	8827	50.0000	36.05	3.33- 9.98	159.50
		Average of Peak Amounts =			34.1240		
8 Aroclor-1268					CAS #:		
9.600	9.597	0.003	14832	50.0000	54.16	50.00- 150.00	100.00
10.713	10.710	0.003	41492	50.0000	54.01	50.00- 150.00	279.75
10.780	10.777	0.003	44660	50.0000	52.71	31.30- 93.90	301.10
11.123	11.120	0.003	32260	50.0000	52.88	2.81- 8.43	217.50
11.756	11.753	0.003	14235	50.0000	52.84	24.39- 73.17	95.97
		Average of Peak Amounts =			53.3200		

Data File: 034F3401.D

Date: 08-APR-2012 02:51

Client ID: Instrument: GC_W.i

Sample Info: IC-1275908, L2 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\035F3501.D
Lab Smp Id: IC-1275909
Inj Date : 08-APR-2012 03:14
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275909, L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 35 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

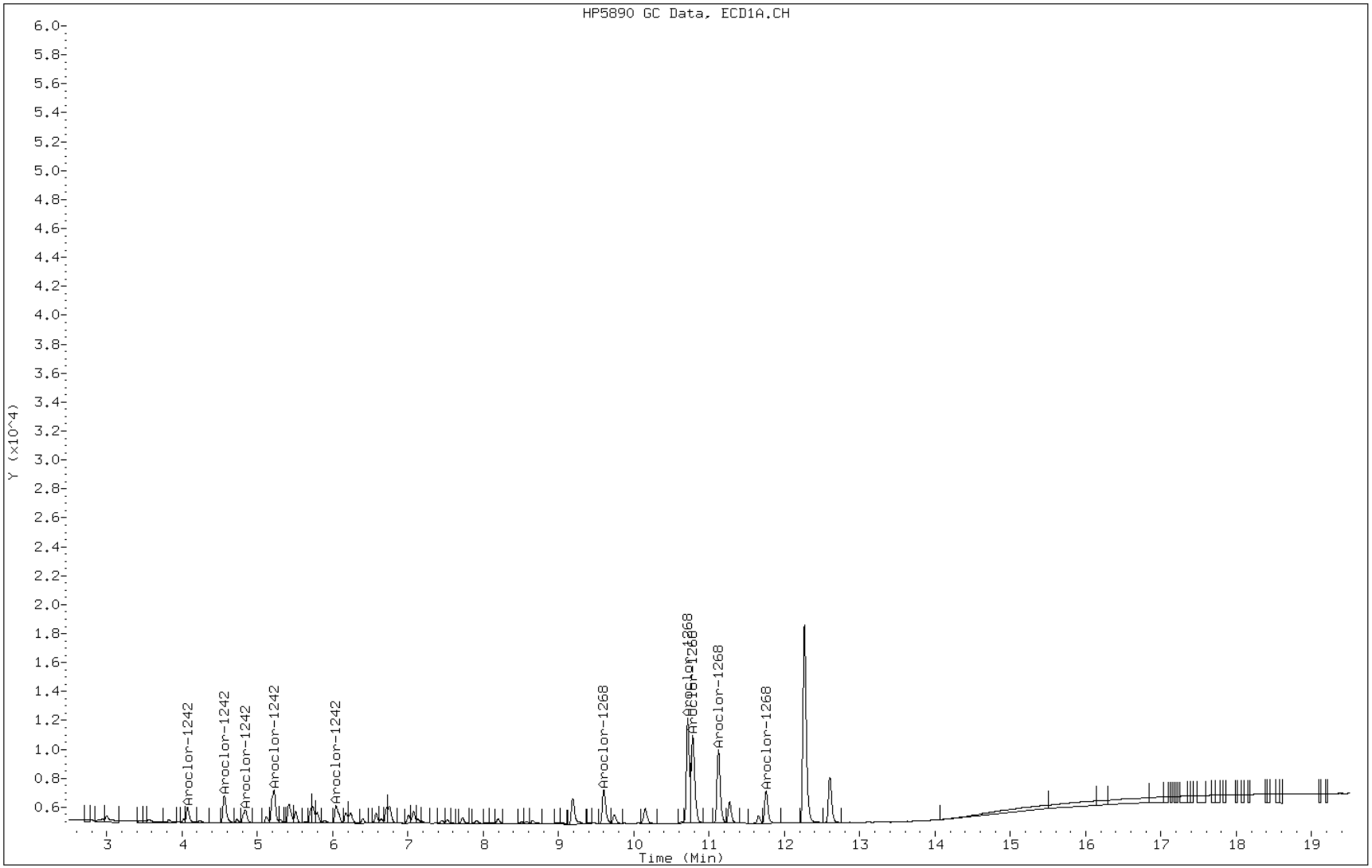
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
4.073	4.073	0.000	2846	25.0000	-8.4937	50.00- 150.00	100.00
4.563	4.560	0.003	5752	25.0000	-11.092	108.83- 326.48	202.10
4.840	4.840	0.000	3178	25.0000	-5.6215	83.74- 251.22	111.68
5.220	5.223	-0.003	8074	25.0000	0.95436	35.48- 106.46	283.70
6.046	6.046	0.000	4203	25.0000	-2.1894	3.33- 9.98	147.67
Average of Peak Amounts =					-5.2884		
8 Aroclor-1268					CAS #:		
9.600	9.597	0.003	7226	25.0000	14.00	50.00- 150.00	100.00
10.716	10.710	0.006	19869	25.0000	14.39	50.00- 150.00	274.95
10.780	10.777	0.003	20652	25.0000	15.91	31.30- 93.90	285.79
11.123	11.120	0.003	15446	25.0000	15.95	2.81- 8.43	213.75
11.756	11.753	0.003	6667	25.0000	17.32	24.39- 73.17	92.27
Average of Peak Amounts =					15.5140		

Data File: 035F3501.D

Date: 08-APR-2012 03:14

Client ID: Instrument: GC_W.i

Sample Info: IC-1275909, L1 Operator: JAX



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2012 00:56 Calibration End Date: 04/08/2012 03:14 Calibration ID: 9006

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/35	035F3501.D
Level 2	IC 280-114734/34	034F3401.D
Level 3	IC 280-114734/33	033F3301.D
Level 4	IC 280-114734/32	032F3201.D
Level 5	IC 280-114734/31	031F3101.D
Level 6	IC 280-114734/30	030F3001.D
Level 7	IC 280-114734/29	029F2901.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1242 Peak 1	5.520	5.520	5.520	5.523	5.520	5.520	5.520				5.320 - 5.720	5.520
PCB-1242 Peak 2	6.453	6.453	6.453	6.453	6.453	6.450	6.450				6.253 - 6.653	6.452
PCB-1242 Peak 3	6.643	6.643	6.643	6.647	6.643	6.643	6.640				6.443 - 6.843	6.643
PCB-1242 Peak 4	7.073	7.070	7.070	7.073	7.070	7.070	7.067				6.870 - 7.270	7.070
PCB-1242 Peak 5	7.140	7.137	7.137	7.140	7.137	7.137	7.137				6.937 - 7.337	7.138
PCB-1268 Peak 1	9.697	9.697	9.697	9.697	9.693	9.693	9.693				9.493 - 9.893	9.695
PCB-1268 Peak 2	10.210	10.210	10.207	10.207	10.203	10.203	10.203				10.003 - 10.403	10.206
PCB-1268 Peak 3	11.290	11.287	11.287	11.287	11.287	11.287	11.287				11.087 - 11.487	11.287
PCB-1268 Peak 4	11.813	11.810	11.807	11.810	11.807	11.810	11.807				11.607 - 12.007	11.809
PCB-1268 Peak 5	12.337	12.337	12.333	12.337	12.333	12.333	12.333				12.133 - 12.533	12.335

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2012 00:56 Calibration End Date: 04/08/2012 03:14 Calibration ID: 9006

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/35	035F3501.D
Level 2	IC 280-114734/34	034F3401.D
Level 3	IC 280-114734/33	033F3301.D
Level 4	IC 280-114734/32	032F3201.D
Level 5	IC 280-114734/31	031F3101.D
Level 6	IC 280-114734/30	030F3001.D
Level 7	IC 280-114734/29	029F2901.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1242 Peak 1	244.32 205.10	259.60 198.18	264.79 181.80	222.44	Lin1	-14.680434	193.402983							0.9923		0.9900
PCB-1242 Peak 2	101.48 71.876	98.240 70.192	102.72 64.858	78.804	Lin1	-20.921651	68.0841937							0.9912		0.9900
PCB-1242 Peak 3	110.44 90.104	114.86 88.931	118.09 82.305	98.152	Lin1	-14.417218	86.4622358							0.9938		0.9900
PCB-1242 Peak 4	86.120 69.968	91.640 69.092	90.630 62.519	74.064	Lin1	-15.338173	66.3334330							0.9932		0.9900
PCB-1242 Peak 5	111.04 86.880	116.00 84.848	116.30 81.865	97.544	Lin1	-15.985205	84.1568494							0.9942		0.9900
PCB-1268 Peak 1	156.20 118.08	163.88 112.64	163.95 103.65	130.85	Lin	-43.983605	103.381785							0.9944		0.9900
PCB-1268 Peak 2	216.48 151.86	218.04 142.91	219.81 130.43	171.85	Lin	-52.399686	129.792322							0.9924		0.9900
PCB-1268 Peak 3	632.00 439.15	661.88 411.92	644.44 382.01	510.10	Lin	-54.651569	376.573356							0.9933		0.9900
PCB-1268 Peak 4	468.92 347.38	483.06 329.58	485.23 302.25	386.63	Lin	-46.178333	301.570417							0.9937		0.9900
PCB-1268 Peak 5	190.20 160.87	201.90 155.29	208.64 143.69	172.63	Lin	-32.944897	144.363277							0.9957		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-27123-1 Analy Batch No.: 114734

SDG No.:

Instrument ID: GCS_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2012 00:56 Calibration End Date: 04/08/2012 03:14 Calibration ID: 9006

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-114734/35	035F3501.D
Level 2	IC 280-114734/34	034F3401.D
Level 3	IC 280-114734/33	033F3301.D
Level 4	IC 280-114734/32	032F3201.D
Level 5	IC 280-114734/31	031F3101.D
Level 6	IC 280-114734/30	030F3001.D
Level 7	IC 280-114734/29	029F2901.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Lin1	6108 148635	12980 181802	26479	55610	102548	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 2	Lin1	2537 52644	4912 64858	10272	19701	35938	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 3	Lin1	2761 66698	5743 82305	11809	24538	45052	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 4	Lin1	2153 51819	4582 62519	9063	18516	34984	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 5	Lin1	2776 63636	5800 81865	11630	24386	43440	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 1	Lin	3905 84478	8194 103653	16395	32712	59039	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 2	Lin	5412 107184	10902 130429	21981	42962	75932	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 3	Lin	15800 308943	33094 382014	64444	127524	219577	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 4	Lin	11723 247182	24153 302254	48523	96658	173690	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 5	Lin	4755 116471	10095 143685	20864	43158	80436	25.0 750	50.0 1000	100	250	500

Curve Type Legend:

Lin = Linear
Lin1 = Linear 1/conc

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\029F2901.D
Lab Smp Id: IC-1274693
Inj Date : 08-APR-2012 00:56
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1274693, 4268
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 22:54 Cal File: 027F2701.D
Als bottle: 29 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

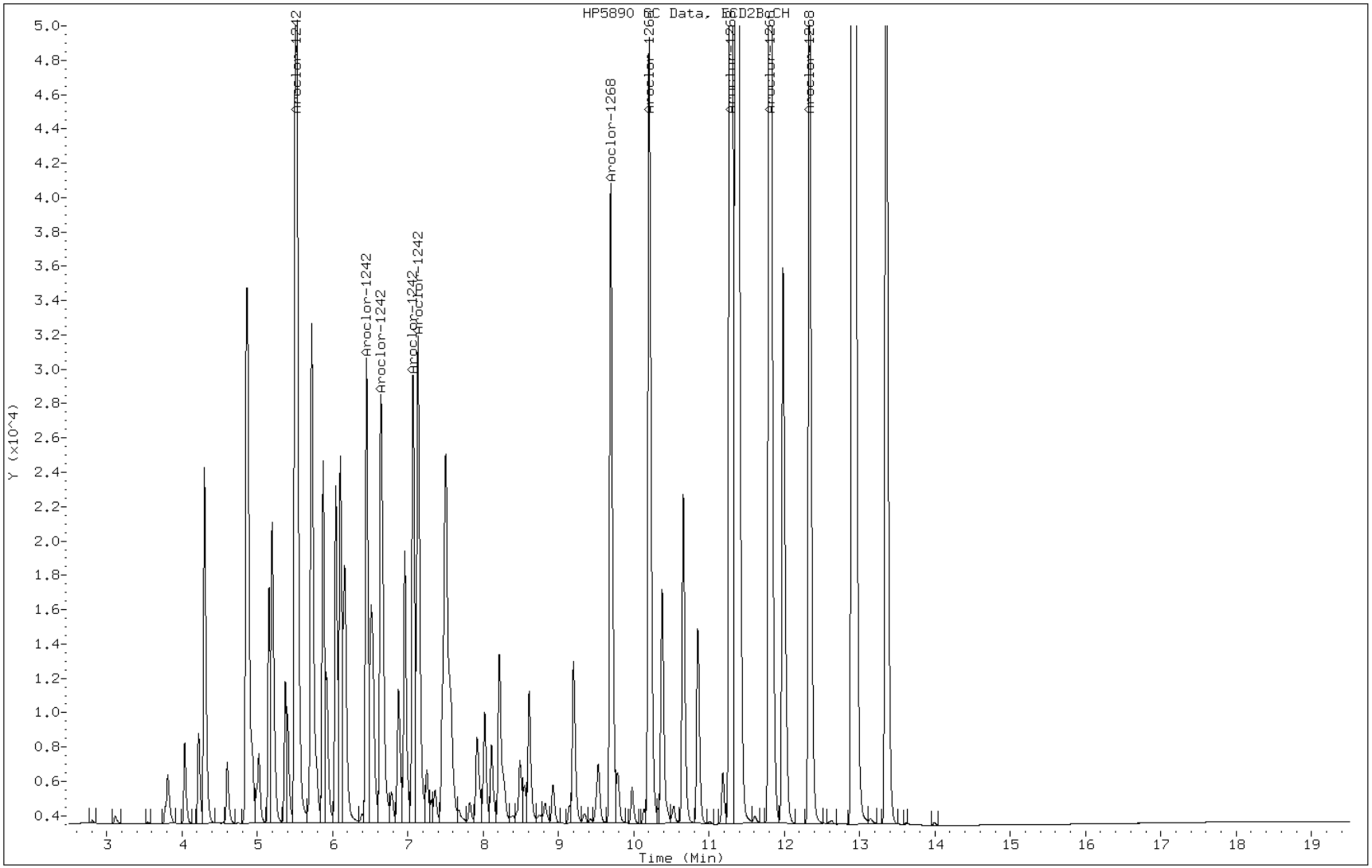
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
5.520	5.520	0.000	181802	1000.00	925.3	50.00- 150.00	100.00
6.450	6.453	-0.003	64858	1000.00	767.1	100.64- 301.91	35.68
6.640	6.643	-0.003	82305	1000.00	937.5	160.51- 481.52	45.27
7.066	7.070	-0.004	62519	1000.00	927.2	57.95- 173.85	34.39
7.136	7.136	0.000	81865	1000.00	956.8	66.73- 200.18	45.03
Average of Peak Amounts =					902.780		
8 Aroclor-1268					CAS #:		
9.693	9.693	0.000	103653	1000.00	958.6	50.00- 150.00	100.00
10.203	10.203	0.000	130429	1000.00	952.5	61.87- 185.61	125.83
11.286	11.287	-0.001	382014	1000.00	959.8	183.37- 550.10	368.55
11.806	11.807	-0.001	302254	1000.00	956.1	168.76- 506.28	291.60
12.333	12.333	0.000	143685	1000.00	962.4	131.03- 393.10	138.62
Average of Peak Amounts =					957.880		

Data File: 029F2901.D

Date: 08-APR-2012 00:56

Client ID: Instrument: GC_W.i

Sample Info: IC-1274693, 4268 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\030F3001.D
Lab Smp Id: IC-1275716
Inj Date : 08-APR-2012 01:19
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275716, L6
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:17 Cal File: 028F2801.D
Als bottle: 30 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

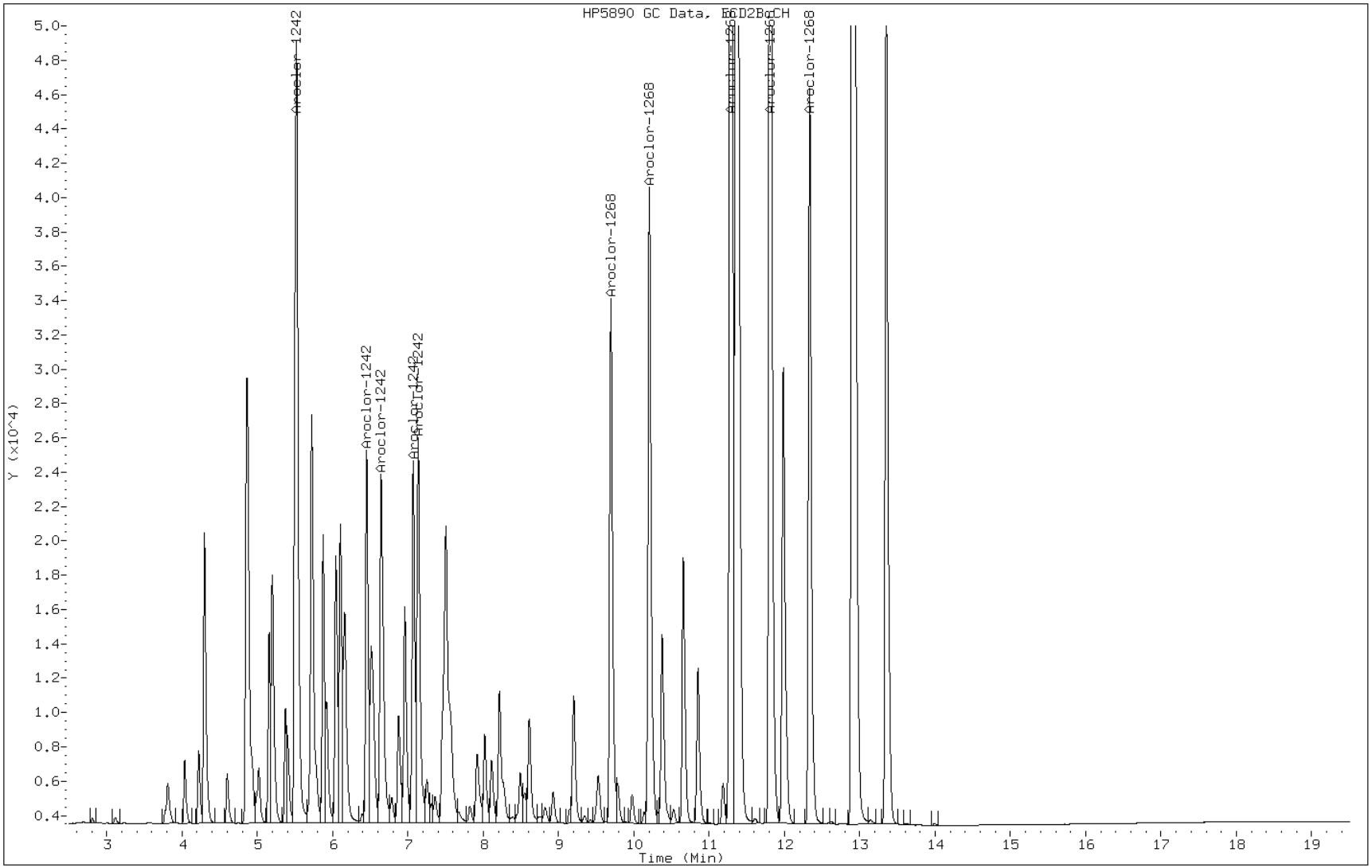
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
5.520	5.520	0.000	148635	750.000	753.8	50.00- 150.00	100.00
6.450	6.453	-0.003	52644	750.000	690.8	100.64- 301.91	35.42
6.643	6.643	0.000	66698	750.000	757.0	160.51- 481.52	44.87
7.070	7.070	0.000	51819	750.000	765.8	57.95- 173.85	34.86
7.136	7.136	0.000	63636	750.000	740.2	66.73- 200.18	42.81
Average of Peak Amounts =					741.520		
8 Aroclor-1268					CAS #:		
9.693	9.693	0.000	84478	750.000	773.2	50.00- 150.00	100.00
10.203	10.203	0.000	107184	750.000	773.4	61.87- 185.61	126.88
11.286	11.287	-0.001	308943	750.000	765.8	183.37- 550.10	365.70
11.810	11.807	0.003	247182	750.000	773.5	168.76- 506.28	292.60
12.333	12.333	0.000	116471	750.000	773.8	131.03- 393.10	137.87
Average of Peak Amounts =					771.940		

Data File: 030F3001.D

Date: 08-APR-2012 01:19

Client ID: Instrument: GC_W.i

Sample Info: IC-1275716, L6 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\031F3101.D
Lab Smp Id: IC-1275861
Inj Date : 08-APR-2012 01:42
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275861, L5
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 04-JAN-2012 23:40 Cal File: 029F2901.D
Als bottle: 31 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

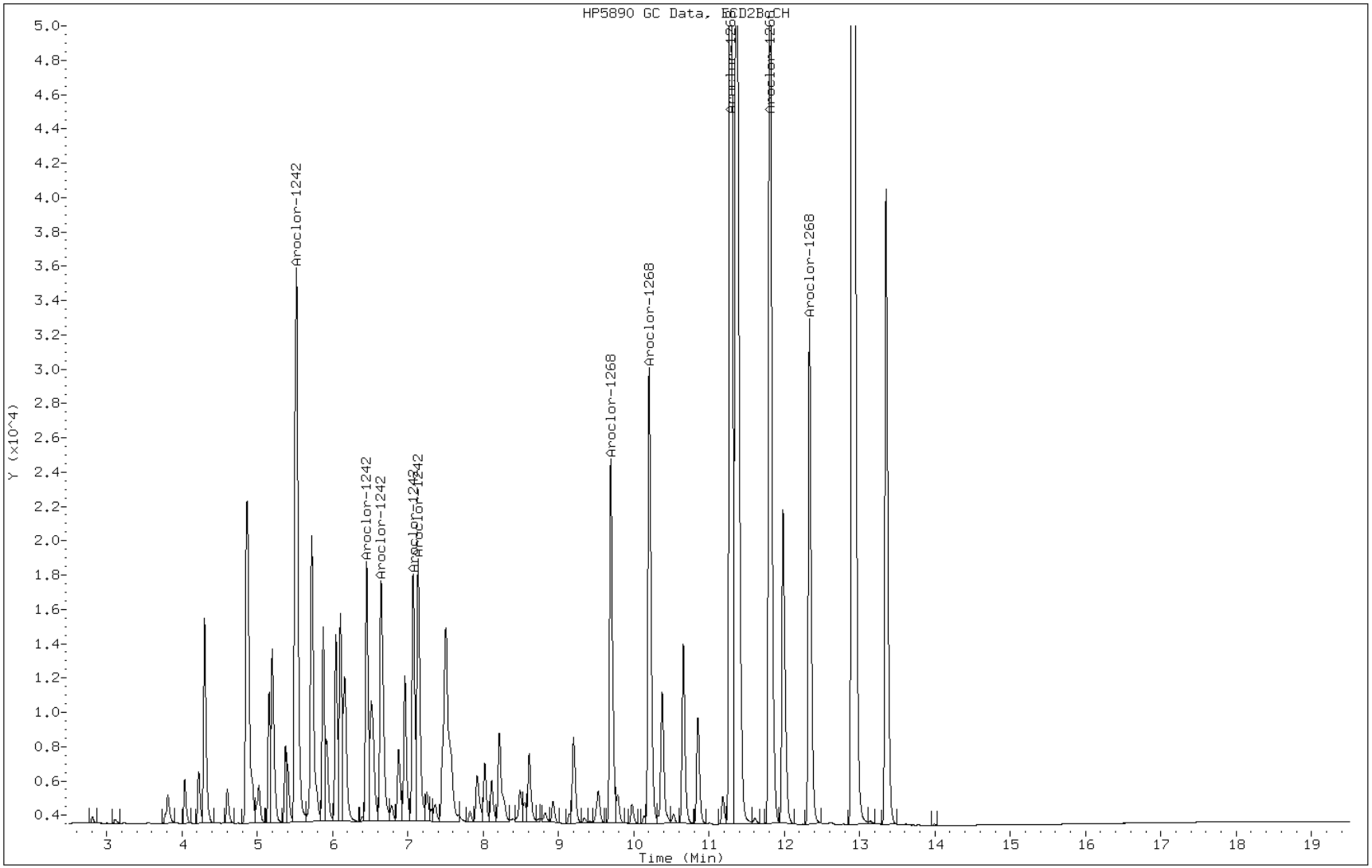
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
5.520	5.520	0.000	102548	500.000	515.5	50.00- 150.00	100.00
6.453	6.453	0.000	35938	500.000	456.6	100.64- 301.91	35.05
6.643	6.643	0.000	45052	500.000	506.6	160.51- 481.52	43.93
7.070	7.070	0.000	34984	500.000	512.0	57.95- 173.85	34.12
7.136	7.136	0.000	43440	500.000	500.2	66.73- 200.18	42.36
		Average of Peak Amounts =			498.180		
8 Aroclor-1268					CAS #:		
9.693	9.693	0.000	59039	500.000	527.1	50.00- 150.00	100.00
10.203	10.203	0.000	75932	500.000	532.6	61.87- 185.61	128.61
11.286	11.287	-0.001	219577	500.000	528.4	183.37- 550.10	371.91
11.806	11.807	-0.001	173690	500.000	529.8	168.76- 506.28	294.19
12.333	12.333	0.000	80436	500.000	524.2	131.03- 393.10	136.24
		Average of Peak Amounts =			528.420		

Data File: 031F3101.D

Date: 08-APR-2012 01:42

Client ID: Instrument: GC_W.i

Sample Info: IC-1275861, L5 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\032F3201.D
Lab Smp Id: IC-1275862
Inj Date : 08-APR-2012 02:06
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275862, L4
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:03 Cal File: 030F3001.D
Als bottle: 32 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

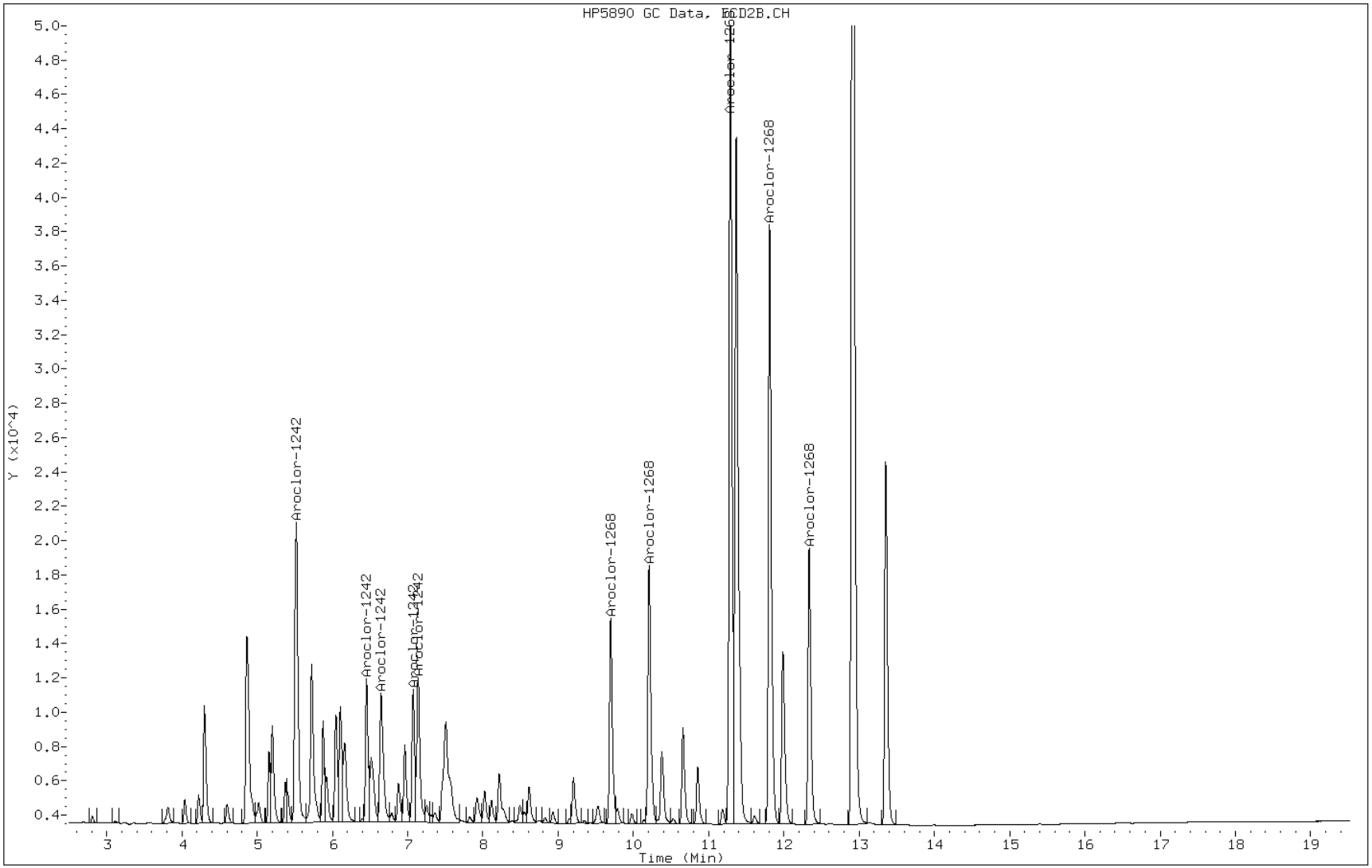
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
5.523	5.520	0.003	55610	250.000	272.8	50.00- 150.00	100.00
6.453	6.453	0.000	19701	250.000	243.8	100.64- 301.91	35.43
6.646	6.643	0.003	24538	250.000	269.4	160.51- 481.52	44.13
7.073	7.070	0.003	18516	250.000	263.8	57.95- 173.85	33.30
7.140	7.136	0.004	24386	250.000	273.8	66.73- 200.18	43.85
Average of Peak Amounts =					264.720		
8 Aroclor-1268					CAS #:		
9.696	9.693	0.003	32712	250.000	272.4	50.00- 150.00	100.00
10.206	10.203	0.003	42962	250.000	278.6	61.87- 185.61	131.34
11.286	11.287	-0.001	127524	250.000	284.0	183.37- 550.10	389.84
11.810	11.807	0.003	96658	250.000	274.3	168.76- 506.28	295.48
12.336	12.333	0.003	43158	250.000	266.0	131.03- 393.10	131.93
Average of Peak Amounts =					275.060		

Data File: 032F3201.D

Date: 08-APR-2012 02:06

Client ID: Instrument: GC_W.i

Sample Info: IC-1275862, L4 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\033F3301.D
Lab Smp Id: IC-1275907
Inj Date : 08-APR-2012 02:28
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275907, L3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:27 Cal File: 031F3101.D
Als bottle: 33 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

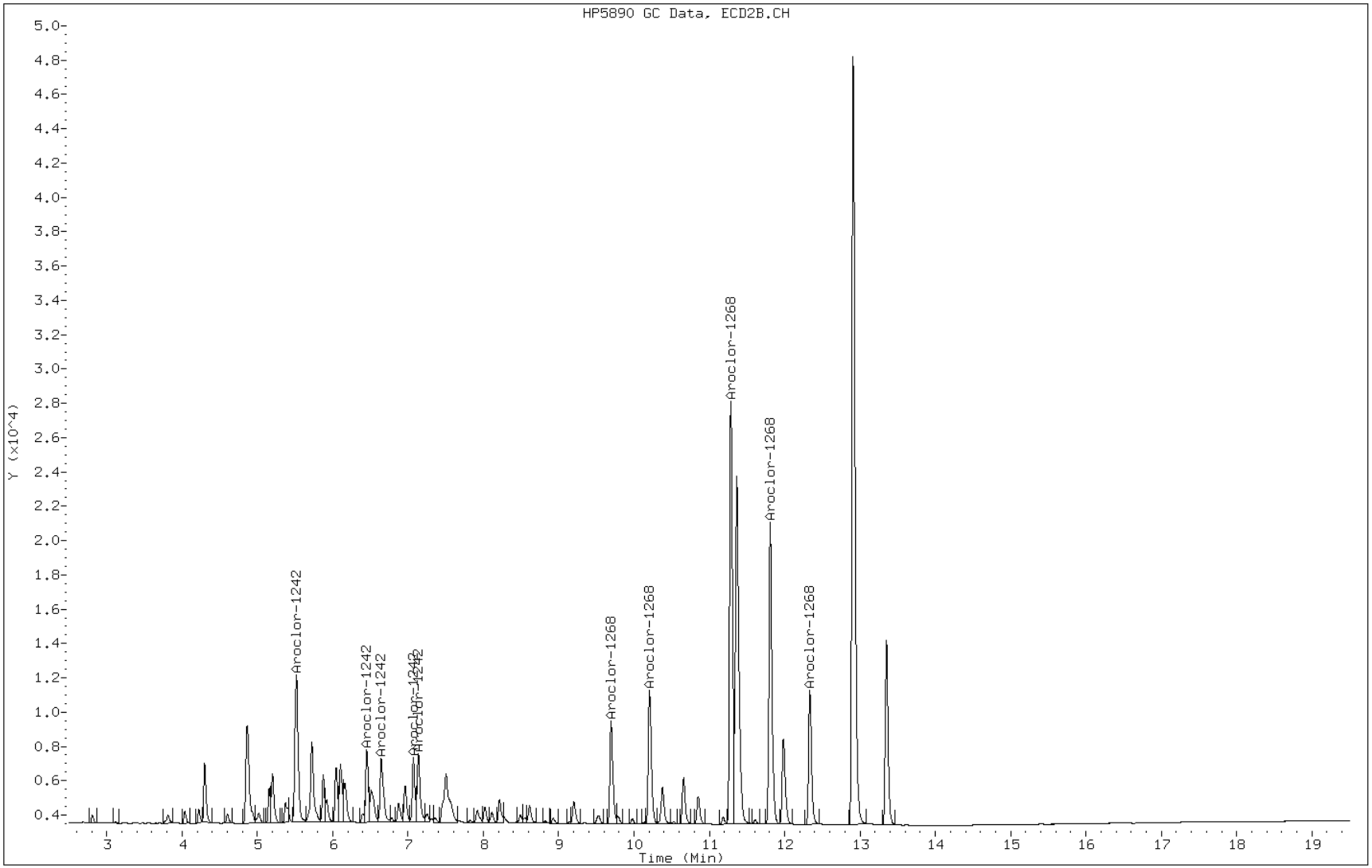
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
5.520	5.520	0.000	26479	100.000	122.2	50.00- 150.00	100.00
6.453	6.453	0.000	10272	100.000	112.1	100.64- 301.91	38.80
6.643	6.643	0.000	11809	100.000	122.2	160.51- 481.52	44.60
7.070	7.070	0.000	9063	100.000	121.3	57.95- 173.85	34.23
7.136	7.136	0.000	11630	100.000	122.2	66.73- 200.18	43.92
		Average of Peak Amounts =			120.000		
8 Aroclor-1268					CAS #:		
9.696	9.693	0.003	16395	100.000	114.6	50.00- 150.00	100.00
10.206	10.203	0.003	21981	100.000	117.0	61.87- 185.61	134.06
11.286	11.287	-0.001	64444	100.000	116.5	183.37- 550.10	393.05
11.806	11.807	-0.001	48523	100.000	114.7	168.76- 506.28	295.94
12.333	12.333	0.000	20864	100.000	111.6	131.03- 393.10	127.25
		Average of Peak Amounts =			114.880		

Data File: 033F3301.D

Date: 08-APR-2012 02:28

Client ID: Instrument: GC_W.i

Sample Info: IC-1275907, L3 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\034F3401.D
Lab Smp Id: IC-1275908
Inj Date : 08-APR-2012 02:51
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275908, L2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 00:50 Cal File: 032F3201.D
Als bottle: 34 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

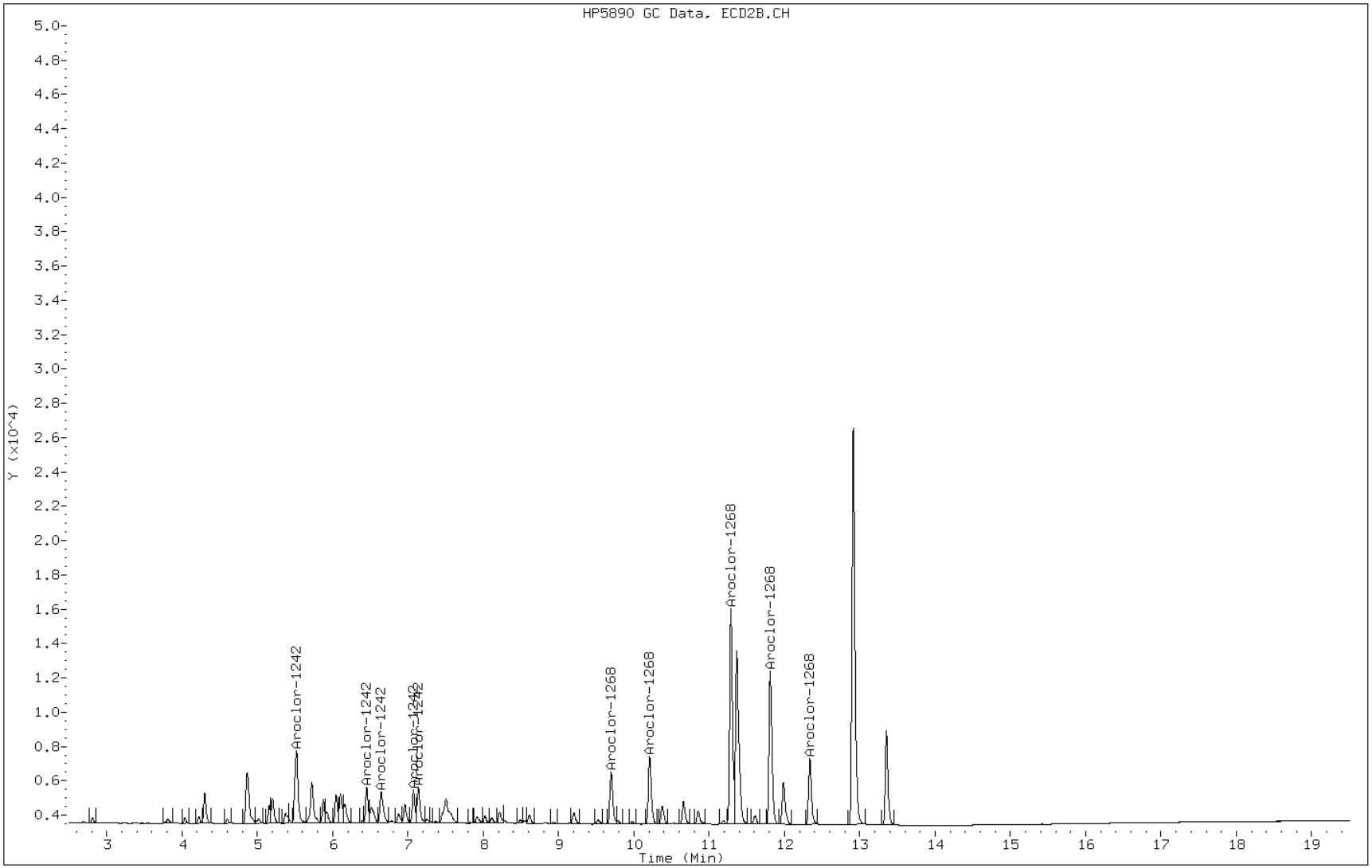
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
5.520	5.520	0.000	12980	50.0000	52.43	50.00- 150.00	100.00
6.453	6.453	0.000	4912	50.0000	39.95	100.64- 301.91	37.85
6.643	6.643	0.000	5743	50.0000	52.00	160.51- 481.52	44.24
7.070	7.070	0.000	4582	50.0000	53.74	57.95- 173.85	35.31
7.136	7.136	0.000	5800	50.0000	52.93	66.73- 200.18	44.69
Average of Peak Amounts =					50.2100		
8 Aroclor-1268					CAS #:		
9.696	9.693	0.003	8194	50.0000	35.28	50.00- 150.00	100.00
10.210	10.203	0.007	10902	50.0000	31.60	61.87- 185.61	133.06
11.286	11.287	-0.001	33094	50.0000	33.23	183.37- 550.10	403.89
11.810	11.807	0.003	24153	50.0000	33.91	168.76- 506.28	294.77
12.336	12.333	0.003	10095	50.0000	36.98	131.03- 393.10	123.21
Average of Peak Amounts =					34.2000		

Data File: 034F3401.D

Date: 08-APR-2012 02:51

Client ID: Instrument: GC_W.i

Sample Info: IC-1275908, L2 Operator: JAX



TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\035F3501.D
Lab Smp Id: IC-1275909
Inj Date : 08-APR-2012 03:14
Operator : JAX Inst ID: GC_W.i
Smp Info : IC-1275909, L1
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 35 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

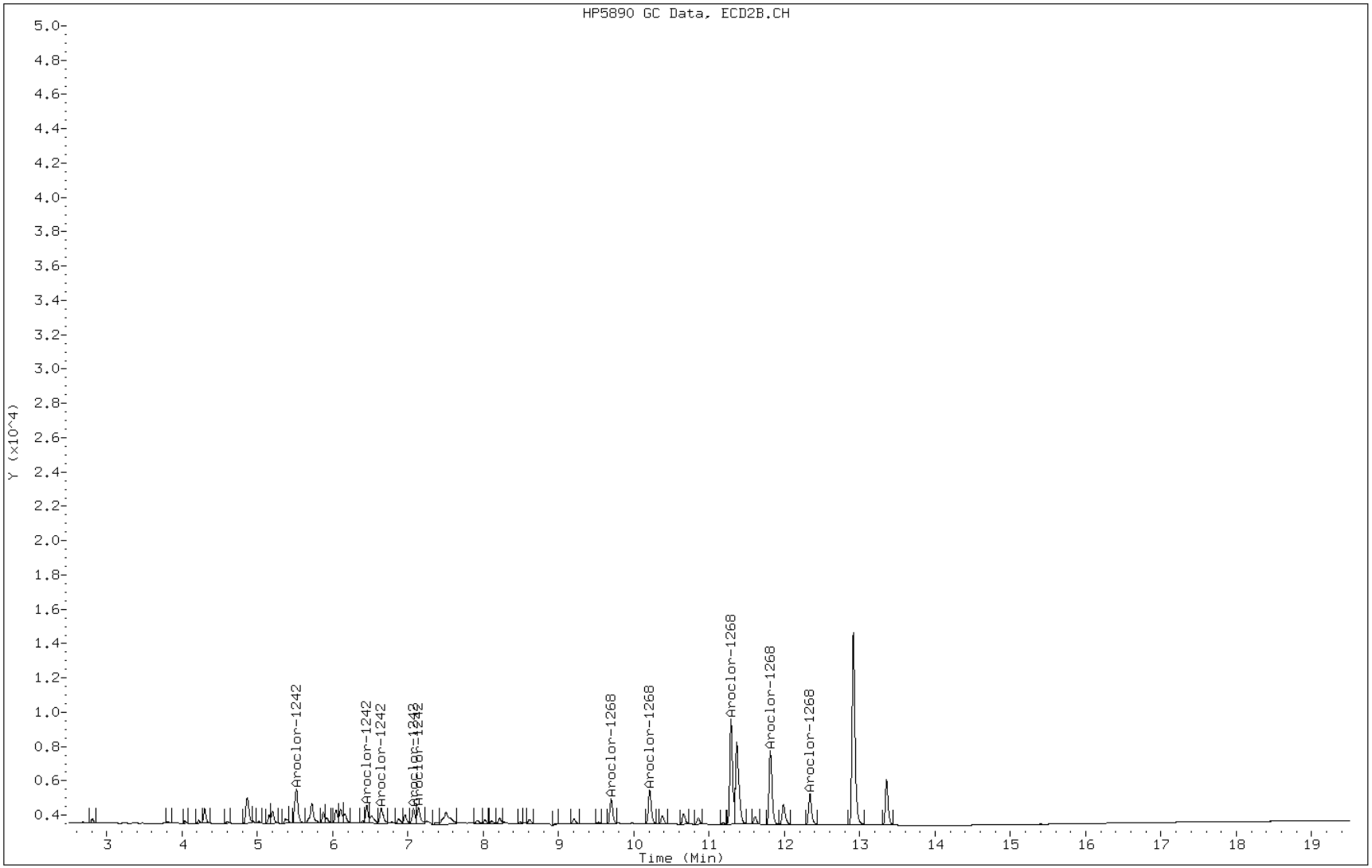
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
5.520	5.520	0.000	6108	25.0000	16.90	50.00- 150.00	100.00
6.453	6.453	0.000	2537	25.0000	16.34	100.64- 301.91	41.54
6.643	6.643	0.000	2761	25.0000	17.52	160.51- 481.52	45.21
7.073	7.070	0.003	2153	25.0000	17.12	57.95- 173.85	35.25
7.140	7.136	0.004	2776	25.0000	17.00	66.73- 200.18	45.46
Average of Peak Amounts =					16.9760		
8 Aroclor-1268					CAS #:		
9.696	9.693	0.003	3905	25.0000	-6.2110	50.00- 150.00	100.00
10.210	10.203	0.007	5412	25.0000	-10.702	61.87- 185.61	138.58
11.290	11.287	0.003	15800	25.0000	-12.694	183.37- 550.10	404.59
11.813	11.807	0.006	11723	25.0000	-7.3052	168.76- 506.28	300.20
12.336	12.333	0.003	4755	25.0000	-0.0071577	131.03- 393.10	121.76

Data File: 035F3501.D

Date: 08-APR-2012 03:14

Client ID: Instrument: GC_W.i

Sample Info: IC-1275909, L1 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/36 Calibration Date: 04/08/2012 03:38

Instrument ID: GCS_W Calib Start Date: 04/07/2012 14:10

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 16:29

Lab File ID: 036F3601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1	89.66	86056		0.276	0.250	10.5	20.0
PCB-1248 Peak 2	Lin1	180.1	177272		0.264	0.250	5.6	20.0
PCB-1248 Peak 3	Lin1	216.3	211380		0.271	0.250	8.3	20.0
PCB-1248 Peak 4	Lin1	107.1	105572		0.263	0.250	5.2	20.0
PCB-1248 Peak 5	Lin1	77.13	76824		0.264	0.250	5.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/36 Calibration Date: 04/08/2012 03:38

Instrument ID: GCS_W Calib Start Date: 04/07/2012 14:10

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 16:29

Lab File ID: 036F3601.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1248 Peak 1	4.56	4.36	4.76
PCB-1248 Peak 2	5.22	5.02	5.42
PCB-1248 Peak 3	6.05	5.84	6.24
PCB-1248 Peak 4	7.72	7.52	7.92
PCB-1248 Peak 5	8.19	7.99	8.39

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\036F3601.D
Lab Smp Id: ICV-1278188
Inj Date : 08-APR-2012 03:38
Operator : JAX Inst ID: GC_W.i
Smp Info : ICV-1278188,1248
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

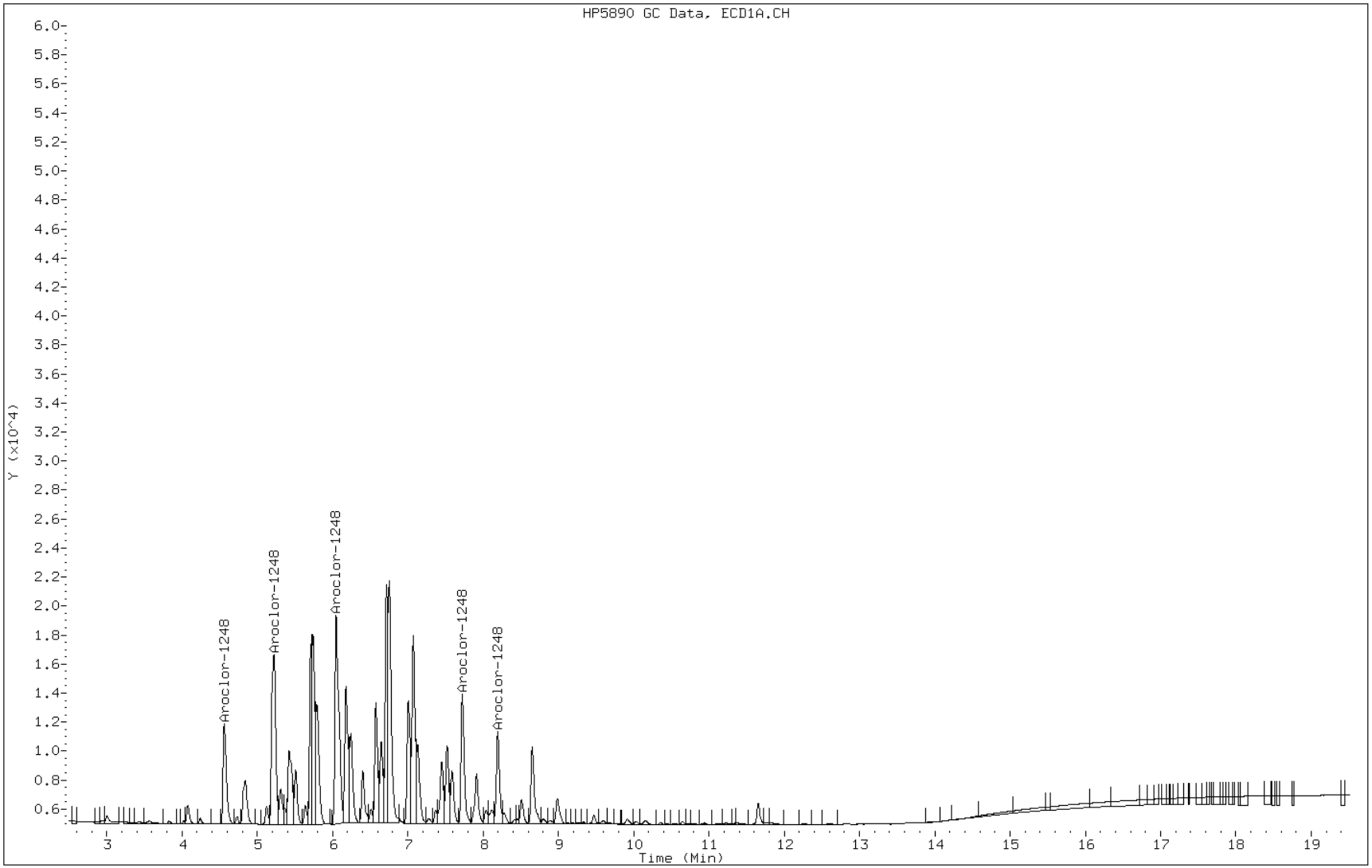
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.563	4.560	0.003	21514	250.000	276.3	50.00- 150.00	100.00
5.223	5.220	0.003	44318	250.000	264.0	41.73- 125.19	205.99
6.046	6.043	0.003	52845	250.000	270.7	16.31- 48.91	245.63
7.723	7.720	0.003	26393	250.000	263.0	16.50- 49.50	122.68
8.193	8.190	0.003	19206	250.000	264.0	11.54- 34.62	89.27
Average of Peak Amounts =					267.600		

Data File: 036F3601.D

Date: 08-APR-2012 03:38

Client ID: Instrument: GC_W.i

Sample Info: ICV-1278188,1248 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/36 Calibration Date: 04/08/2012 03:38

Instrument ID: GCS_W Calib Start Date: 04/07/2012 14:10

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 16:29

Lab File ID: 036F3601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1	69.50	68148		0.277	0.250	10.7	20.0
PCB-1248 Peak 2	Lin1	138.1	138360		0.265	0.250	6.0	20.0
PCB-1248 Peak 3	Lin1	123.2	115928		0.263	0.250	5.3	20.0
PCB-1248 Peak 4	Lin1	138.5	137368		0.266	0.250	6.3	20.0
PCB-1248 Peak 5	Lin1	128.0	127812		0.269	0.250	7.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/36 Calibration Date: 04/08/2012 03:38

Instrument ID: GCS_W Calib Start Date: 04/07/2012 14:10

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 16:29

Lab File ID: 036F3601.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1248 Peak 1	4.86	4.66	5.06
PCB-1248 Peak 2	5.52	5.32	5.72
PCB-1248 Peak 3	6.45	6.25	6.65
PCB-1248 Peak 4	6.64	6.44	6.84
PCB-1248 Peak 5	7.07	6.87	7.27

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\036F3601.D
Lab Smp Id: ICV-1278188
Inj Date : 08-APR-2012 03:38
Operator : JAX Inst ID: GC_W.i
Smp Info : ICV-1278188,1248
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

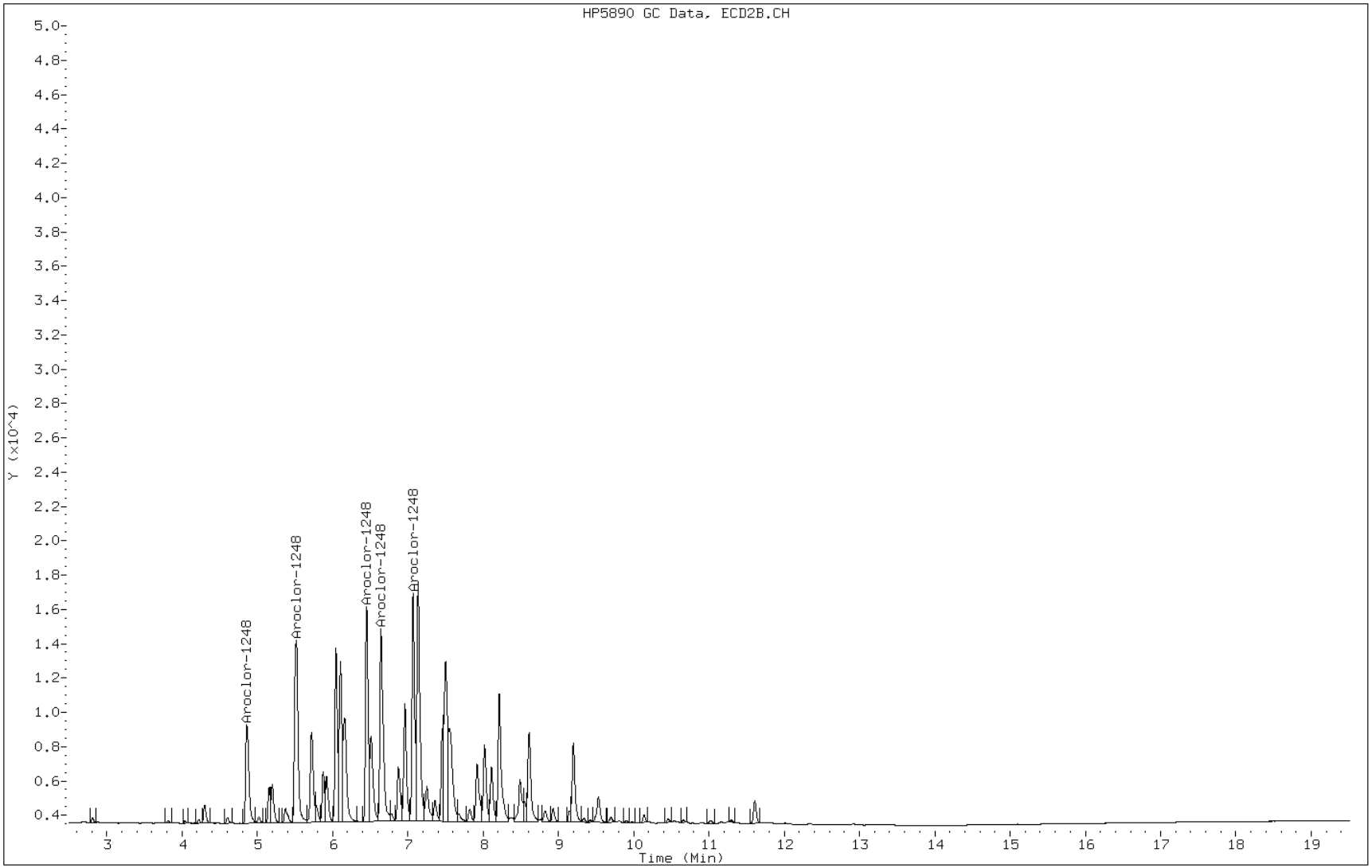
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
5 Aroclor-1248					CAS #: 12672-29-6		
4.860	4.860	0.000	17037	250.000	276.8	50.00- 150.00	100.00
5.520	5.516	0.004	34590	250.000	264.9	47.98- 143.94	203.03
6.453	6.450	0.003	28982	250.000	263.3	48.70- 146.09	170.11
6.643	6.640	0.003	34342	250.000	265.7	56.67- 170.02	201.57
7.070	7.066	0.004	31953	250.000	268.6	30.52- 91.56	187.55
Average of Peak Amounts =					267.860		

Data File: 036F3601.D

Date: 08-APR-2012 03:38

Client ID: Instrument: GC_W.i

Sample Info: ICV-1278188,1248 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/37 Calibration Date: 04/08/2012 04:01

Instrument ID: GCS_W Calib Start Date: 04/07/2012 16:52

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 19:10

Lab File ID: 037F3701.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1	60.96	55504		0.263	0.250	5.3	20.0
PCB-1221 Peak 2	Lin1	34.36	31124		0.269	0.250	7.7	20.0
PCB-1221 Peak 3	Lin1	151.7	140384		0.274	0.250	9.5	20.0
PCB-1254 Peak 1	Lin1	179.1	167980		0.275	0.250	10.1	20.0
PCB-1254 Peak 2	Lin1	181.5	175300		0.267	0.250	6.8	20.0
PCB-1254 Peak 3	Lin1	317.3	295704		0.248	0.250	-1.0	20.0
PCB-1254 Peak 4	Lin1	252.6	238232		0.268	0.250	7.4	20.0
PCB-1254 Peak 5	Lin1	325.2	310068		0.261	0.250	4.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/37 Calibration Date: 04/08/2012 04:01

Instrument ID: GCS_W Calib Start Date: 04/07/2012 16:52

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 19:10

Lab File ID: 037F3701.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1221 Peak 1	3.83	3.63	4.03
PCB-1221 Peak 2	4.02	3.82	4.22
PCB-1221 Peak 3	4.07	3.87	4.27
PCB-1254 Peak 1	6.65	6.45	6.85
PCB-1254 Peak 2	7.52	7.32	7.72
PCB-1254 Peak 3	7.72	7.52	7.92
PCB-1254 Peak 4	8.51	8.31	8.71
PCB-1254 Peak 5	8.98	8.78	9.18

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\037F3701.D
Lab Smp Id: ICV-1278252
Inj Date : 08-APR-2012 04:01
Operator : JAX Inst ID: GC_W.i
Smp Info : ICV-1278252,2154
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 37 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

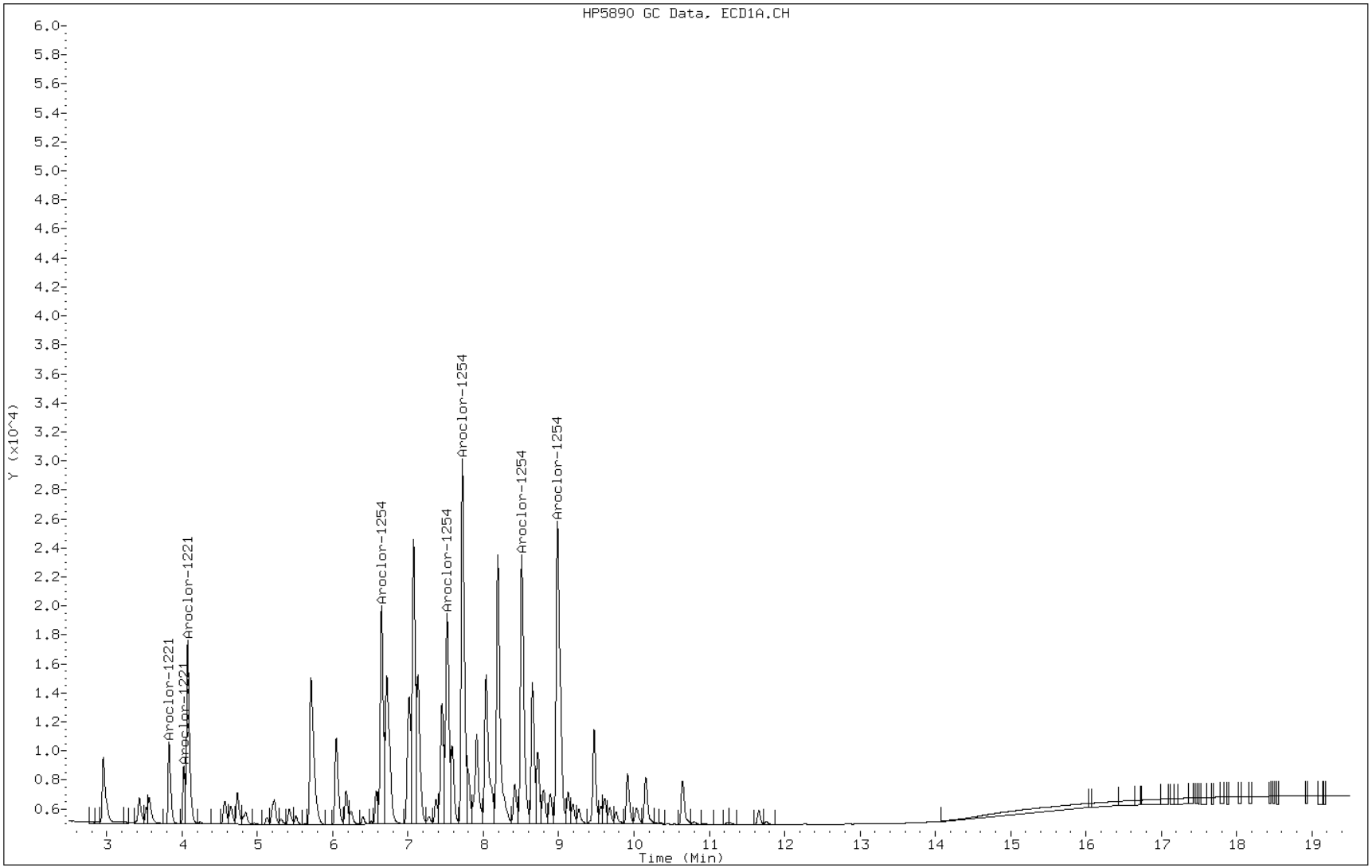
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
3.826	3.826	0.000	13876	250.000	263.3	50.00- 150.00	100.00
4.023	4.023	0.000	7781	250.000	269.3	55.26- 165.78	56.07
4.073	4.073	0.000	35096	250.000	273.6	317.01- 951.03	252.92
		Average of Peak Amounts =			268.733		
6 Aroclor-1254					CAS #: 11097-69-1		
6.650	6.646	0.004	41995	250.000	275.2	50.00- 150.00	100.00
7.520	7.520	0.000	43825	250.000	267.1	11.81- 35.43	104.36
7.723	7.723	0.000	73926	250.000	247.6	38.91- 116.75	176.03
8.510	8.510	0.000	59558	250.000	268.5	305.32- 915.96	141.82
8.983	8.983	0.000	77517	250.000	261.2	12.43- 37.29	184.58
		Average of Peak Amounts =			263.920		

Data File: 037F3701.D

Date: 08-APR-2012 04:01

Client ID: Instrument: GC_W.i

Sample Info: ICV-1278252,2154 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/37 Calibration Date: 04/08/2012 04:01

Instrument ID: GCS_W Calib Start Date: 04/07/2012 16:52

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 19:10

Lab File ID: 037F3701.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1	42.58	41760		0.273	0.250	9.0	20.0
PCB-1221 Peak 2	Lin1	30.71	30180		0.275	0.250	10.0	20.0
PCB-1221 Peak 3	Lin1	102.1	102440		0.282	0.250	12.7	20.0
PCB-1254 Peak 1	Lin1	170.0	162272		0.274	0.250	9.8	20.0
PCB-1254 Peak 2	Lin1	190.8	182028		0.272	0.250	8.9	20.0
PCB-1254 Peak 3	Lin1	261.6	255584		0.274	0.250	9.4	20.0
PCB-1254 Peak 4	Lin1	120.0	114848		0.267	0.250	6.9	20.0
PCB-1254 Peak 5	Lin1	249.0	241560		0.266	0.250	6.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/37 Calibration Date: 04/08/2012 04:01

Instrument ID: GCS_W Calib Start Date: 04/07/2012 16:52

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 19:10

Lab File ID: 037F3701.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1221 Peak 1	4.04	3.84	4.24
PCB-1221 Peak 2	4.22	4.02	4.42
PCB-1221 Peak 3	4.30	4.10	4.50
PCB-1254 Peak 1	7.13	6.93	7.33
PCB-1254 Peak 2	7.46	7.26	7.66
PCB-1254 Peak 3	8.22	8.01	8.41
PCB-1254 Peak 4	8.93	8.72	9.12
PCB-1254 Peak 5	9.53	9.33	9.73

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\037F3701.D
Lab Smp Id: ICV-1278252
Inj Date : 08-APR-2012 04:01
Operator : JAX Inst ID: GC_W.i
Smp Info : ICV-1278252,2154
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 37 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

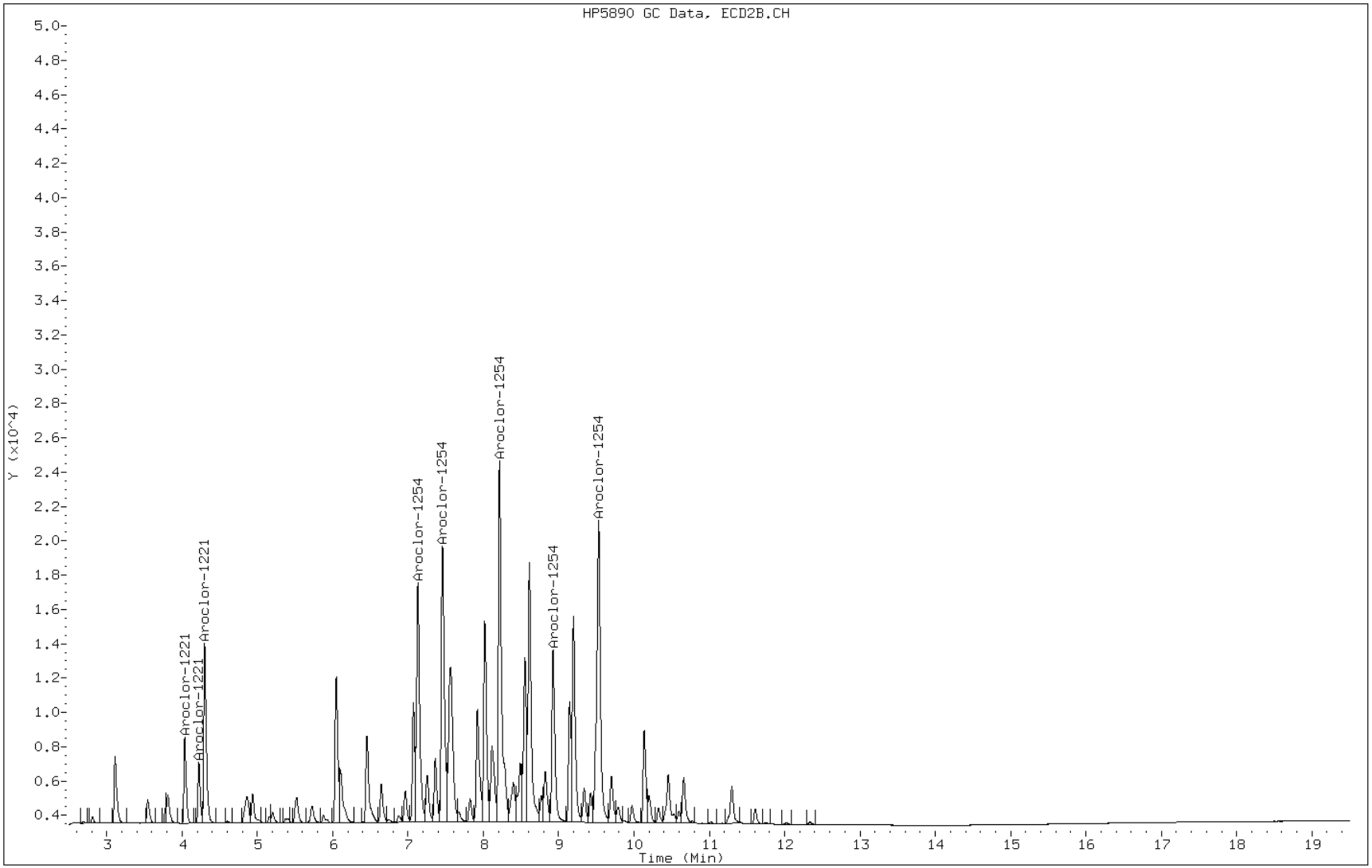
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
2 Aroclor-1221					CAS #: 11104-28-2		
4.036	4.036	0.000	10440	250.000	272.6	80.00- 120.00	100.00
4.223	4.220	0.003	7545	250.000	274.9	35.47- 106.40	72.28
4.300	4.300	0.000	25610	250.000	281.8	110.25- 330.76	245.31
		Average of Peak Amounts =			276.433		
6 Aroclor-1254					CAS #: 11097-69-1		
7.130	7.130	0.000	40568	250.000	274.4	80.00- 120.00	100.00
7.456	7.456	0.000	45507	250.000	272.2	57.99- 173.98	112.17
8.216	8.213	0.003	63896	250.000	273.6	71.94- 215.81	157.50
8.926	8.923	0.003	28712	250.000	267.2	37.01- 111.04	70.78
9.530	9.530	0.000	60390	250.000	265.6	77.19- 231.58	148.86
		Average of Peak Amounts =			270.600		

Data File: 037F3701.D

Date: 08-APR-2012 04:01

Client ID: Instrument: GC_W.i

Sample Info: ICV-1278252,2154 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/38 Calibration Date: 04/08/2012 04:24

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 038F3801.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	104.3	93808		0.260	0.250	4.1	20.0
PCB-1016 Peak 2	Lin1	223.4	200200		0.262	0.250	4.8	20.0
PCB-1016 Peak 3	Lin1	362.6	322716		0.241	0.250	-3.6	20.0
PCB-1016 Peak 4	Lin1	167.9	141392		0.235	0.250	-6.1	20.0
PCB-1016 Peak 5	Lin1	118.6	111792		0.262	0.250	4.6	20.0
PCB-1260 Peak 1	Lin1	276.9	254276		0.263	0.250	5.0	20.0
PCB-1260 Peak 2	Lin1	484.9	445852		0.262	0.250	4.6	20.0
PCB-1260 Peak 3	Lin1	430.8	399948		0.255	0.250	1.9	20.0
PCB-1260 Peak 4	Lin1	490.2	453224		0.253	0.250	1.1	20.0
PCB-1260 Peak 5	Lin1	239.2	222304		0.249	0.250	-0.4	20.0
Tetrachloro-m-xylene	Lin1	4417	4047200		0.0122	0.0125	-2.2	15.0
DCB Decachlorobiphenyl	Lin1	5232	4868480		0.0130	0.0125	4.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/38 Calibration Date: 04/08/2012 04:24

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 038F3801.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.07	3.87	4.27
PCB-1016 Peak 2	4.56	4.36	4.76
PCB-1016 Peak 3	5.22	5.02	5.42
PCB-1016 Peak 4	5.42	5.22	5.62
PCB-1016 Peak 5	7.07	6.88	7.28
PCB-1260 Peak 1	8.03	7.83	8.23
PCB-1260 Peak 2	8.51	8.31	8.71
PCB-1260 Peak 3	8.98	8.78	9.18
PCB-1260 Peak 4	10.15	9.95	10.35
PCB-1260 Peak 5	10.64	10.44	10.84
Tetrachloro-m-xylene	3.58	3.38	3.78
DCB Decachlorobiphenyl	12.60	12.40	12.80

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\038F3801.D
Lab Smp Id: ICV-1278357
Inj Date : 08-APR-2012 04:24
Operator : JAX Inst ID: GC_W.i
Smp Info : ICV-1278357,1660
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 38 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

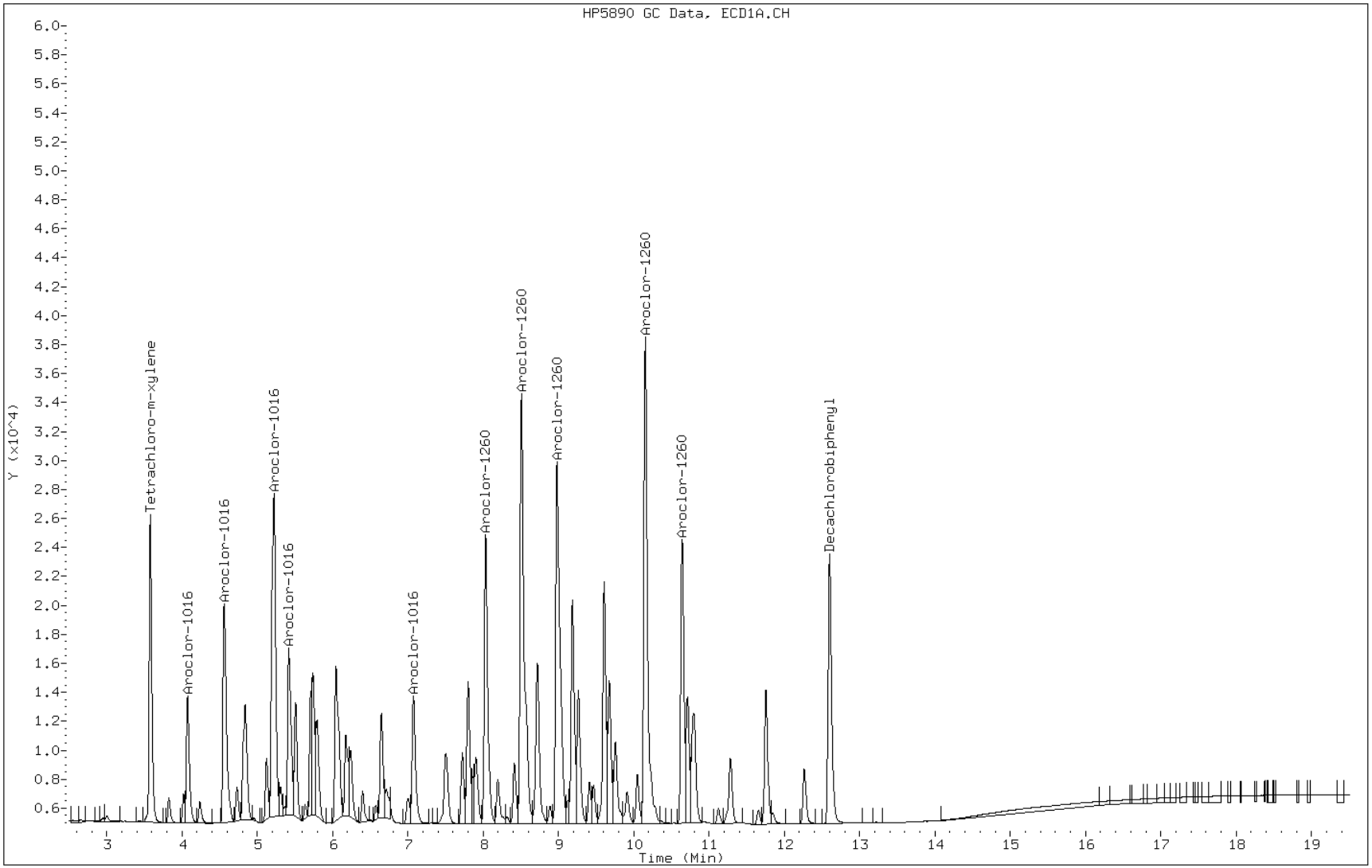
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.073	4.073	0.000	23452	250.000	260.2	50.00- 150.00	100.00
4.560	4.563	-0.003	50050	250.000	261.9	38.38- 115.14	213.42
5.223	5.223	0.000	80679	250.000	240.9	21.89- 65.67	344.02
5.420	5.420	0.000	35348	250.000	234.9	19.98- 59.94	150.73
7.073	7.076	-0.003	27948	250.000	261.5	19.98- 59.94	119.17
Average of Peak Amounts =					251.880		
7 Aroclor-1260					CAS #: 11096-82-5		
8.033	8.033	0.000	63569	250.000	262.6	50.00- 150.00	100.00
8.506	8.506	0.000	111463	250.000	261.5	79.28- 237.84	175.34
8.980	8.980	0.000	99987	250.000	254.6	38.87- 116.60	157.29
10.153	10.153	0.000	113306	250.000	252.8	40.33- 120.99	178.24
10.643	10.643	0.000	55576	250.000	249.0	22.45- 67.34	87.43
Average of Peak Amounts =					256.100		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.576	3.580	-0.004	50590	12.5000	12.22		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.600	12.600	0.000	60856	12.5000	13.03		

Data File: 038F3801.D

Date: 08-APR-2012 04:24

Client ID: Instrument: GC_W.i

Sample Info: ICV-1278357,1660 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/38 Calibration Date: 04/08/2012 04:24

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 038F3801.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	72.94	68680		0.268	0.250	7.1	20.0
PCB-1016 Peak 2	Lin1	273.3	262072		0.262	0.250	4.7	20.0
PCB-1016 Peak 3	Lin1	141.2	128516		0.262	0.250	4.9	20.0
PCB-1016 Peak 4	Lin1	97.83	90380		0.260	0.250	3.9	20.0
PCB-1016 Peak 5	Lin1	103.9	103420		0.270	0.250	7.9	20.0
PCB-1260 Peak 1	Lin1	223.2	209840		0.269	0.250	7.6	20.0
PCB-1260 Peak 2	Lin1	239.4	223180		0.264	0.250	5.7	20.0
PCB-1260 Peak 3	Lin1	322.1	306344		0.261	0.250	4.2	20.0
PCB-1260 Peak 4	Lin1	169.4	159588		0.262	0.250	4.6	20.0
PCB-1260 Peak 5	Lin1	240.4	231520		0.259	0.250	3.6	20.0
Tetrachloro-m-xylene	Lin1	3267	3116000		0.0124	0.0125	-0.5	15.0
DCB Decachlorobiphenyl	Lin1	3633	3386960		0.0132	0.0125	5.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/38 Calibration Date: 04/08/2012 04:24

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 038F3801.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.30	4.10	4.50
PCB-1016 Peak 2	5.52	5.32	5.72
PCB-1016 Peak 3	5.72	5.52	5.92
PCB-1016 Peak 4	6.45	6.25	6.65
PCB-1016 Peak 5	6.64	6.44	6.84
PCB-1260 Peak 1	8.55	8.35	8.75
PCB-1260 Peak 2	8.92	8.72	9.12
PCB-1260 Peak 3	9.53	9.33	9.73
PCB-1260 Peak 4	10.20	10.00	10.40
PCB-1260 Peak 5	11.29	11.09	11.49
Tetrachloro-m-xylene	3.64	3.44	3.84
DCB Decachlorobiphenyl	13.35	13.15	13.55

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\038F3801.D
Lab Smp Id: ICV-1278357
Inj Date : 08-APR-2012 04:24
Operator : JAX Inst ID: GC_W.i
Smp Info : ICV-1278357,1660
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 38 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

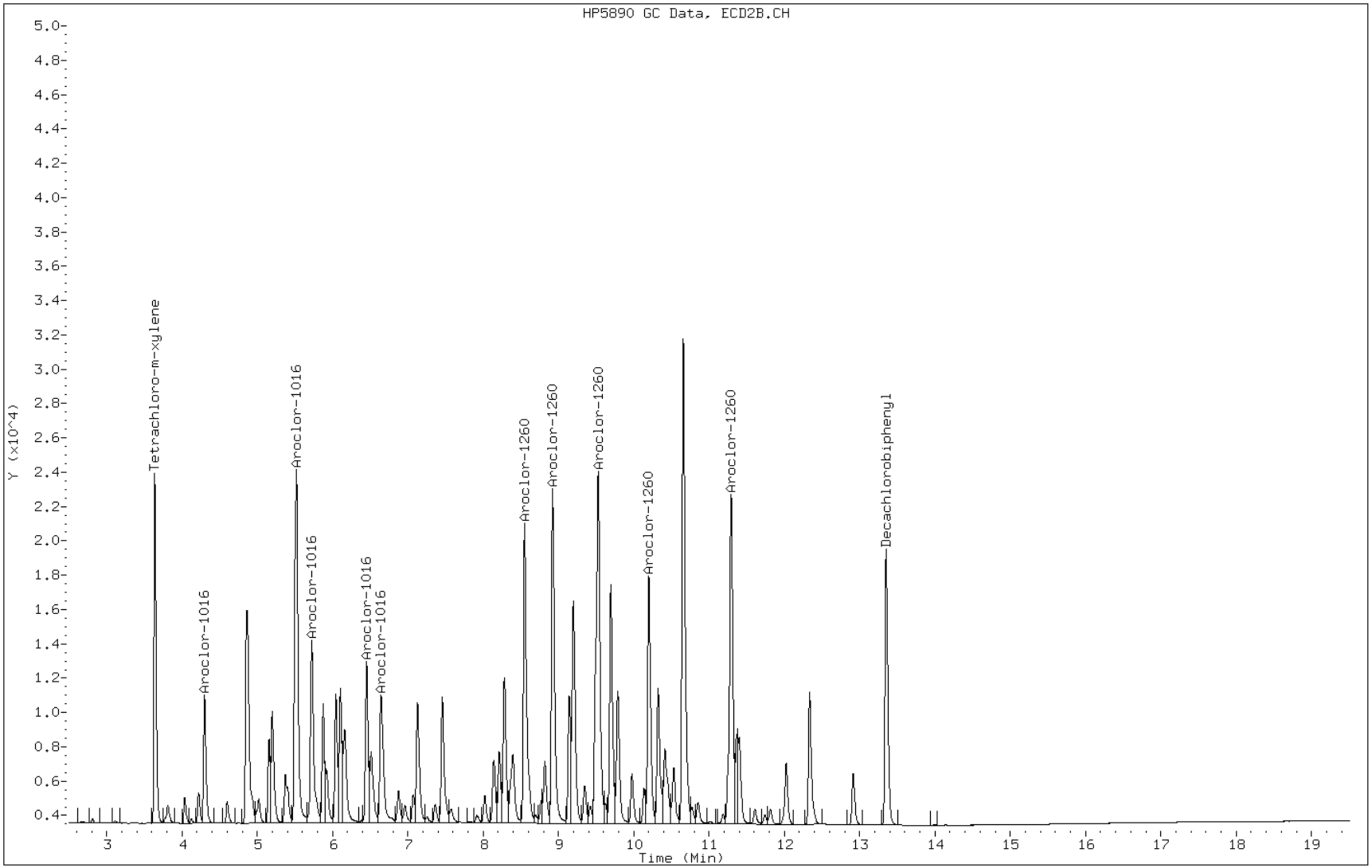
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.296	4.296	0.000	17170	250.000	267.9	50.00- 150.00	100.00
5.520	5.520	0.000	65518	250.000	261.8	96.02- 288.05	381.57
5.723	5.723	0.000	32129	250.000	262.4	157.72- 473.17	187.12
6.453	6.453	0.000	22595	250.000	259.8	64.46- 193.39	131.59
6.643	6.643	0.000	25855	250.000	269.7	63.32- 189.95	150.58
	Average of Peak Amounts =				264.320		
7 Aroclor-1260					CAS #: 11096-82-5		
8.550	8.550	0.000	52460	250.000	269.0	50.00- 150.00	100.00
8.923	8.923	0.000	55795	250.000	264.3	54.39- 163.17	106.36
9.526	9.526	0.000	76586	250.000	260.5	32.96- 98.87	145.99
10.200	10.200	0.000	39897	250.000	261.5	65.36- 196.07	76.05
11.293	11.290	0.003	57880	250.000	259.0	16.03- 48.08	110.33
	Average of Peak Amounts =				262.860		
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.640	3.640	0.000	38950	12.5000	12.43		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
13.353	13.353	0.000	42337	12.5000	13.19		

Data File: 038F3801.D

Date: 08-APR-2012 04:24

Client ID: Instrument: GC_W.i

Sample Info: ICV-1278357,1660 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/39 Calibration Date: 04/08/2012 04:47

Instrument ID: GCS_W Calib Start Date: 04/07/2012 22:15

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/08/2012 00:33

Lab File ID: 039F3901.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1	124.4	119128		0.277	0.250	10.9	20.0
PCB-1232 Peak 2	Lin1	117.1	113920		0.278	0.250	11.0	20.0
PCB-1232 Peak 3	Lin1	168.5	166980		0.264	0.250	5.5	20.0
PCB-1232 Peak 4	Lin1	78.62	78840		0.274	0.250	9.5	20.0
PCB-1232 Peak 5	Lin1	79.10	79344		0.270	0.250	8.1	20.0
PCB-1262 Peak 1	Lin1	222.0	217472		0.279	0.250	11.6	15.0
PCB-1262 Peak 2	Lin1	262.9	258056		0.280	0.250	12.2	15.0
PCB-1262 Peak 3	Lin1	293.9	286084		0.274	0.250	9.7	15.0
PCB-1262 Peak 4	Lin1	193.3	191212		0.263	0.250	5.4	15.0
PCB-1262 Peak 5	Lin1	292.6	287288		0.264	0.250	5.6	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/39 Calibration Date: 04/08/2012 04:47

Instrument ID: GCS_W Calib Start Date: 04/07/2012 22:15

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/08/2012 00:33

Lab File ID: 039F3901.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1232 Peak 1	4.07	3.87	4.27
PCB-1232 Peak 2	4.56	4.36	4.76
PCB-1232 Peak 3	5.22	5.02	5.42
PCB-1232 Peak 4	5.42	5.22	5.62
PCB-1232 Peak 5	6.05	5.85	6.25
PCB-1262 Peak 1	8.03	7.83	8.23
PCB-1262 Peak 2	8.51	8.31	8.71
PCB-1262 Peak 3	9.61	9.41	9.81
PCB-1262 Peak 4	10.64	10.44	10.84
PCB-1262 Peak 5	10.79	10.59	10.99

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\039F3901.D
Lab Smp Id: ICV-1278262
Inj Date : 08-APR-2012 04:47
Operator : JAX Inst ID: GC_W.i
Smp Info : ICV-1278262,3262
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 39 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

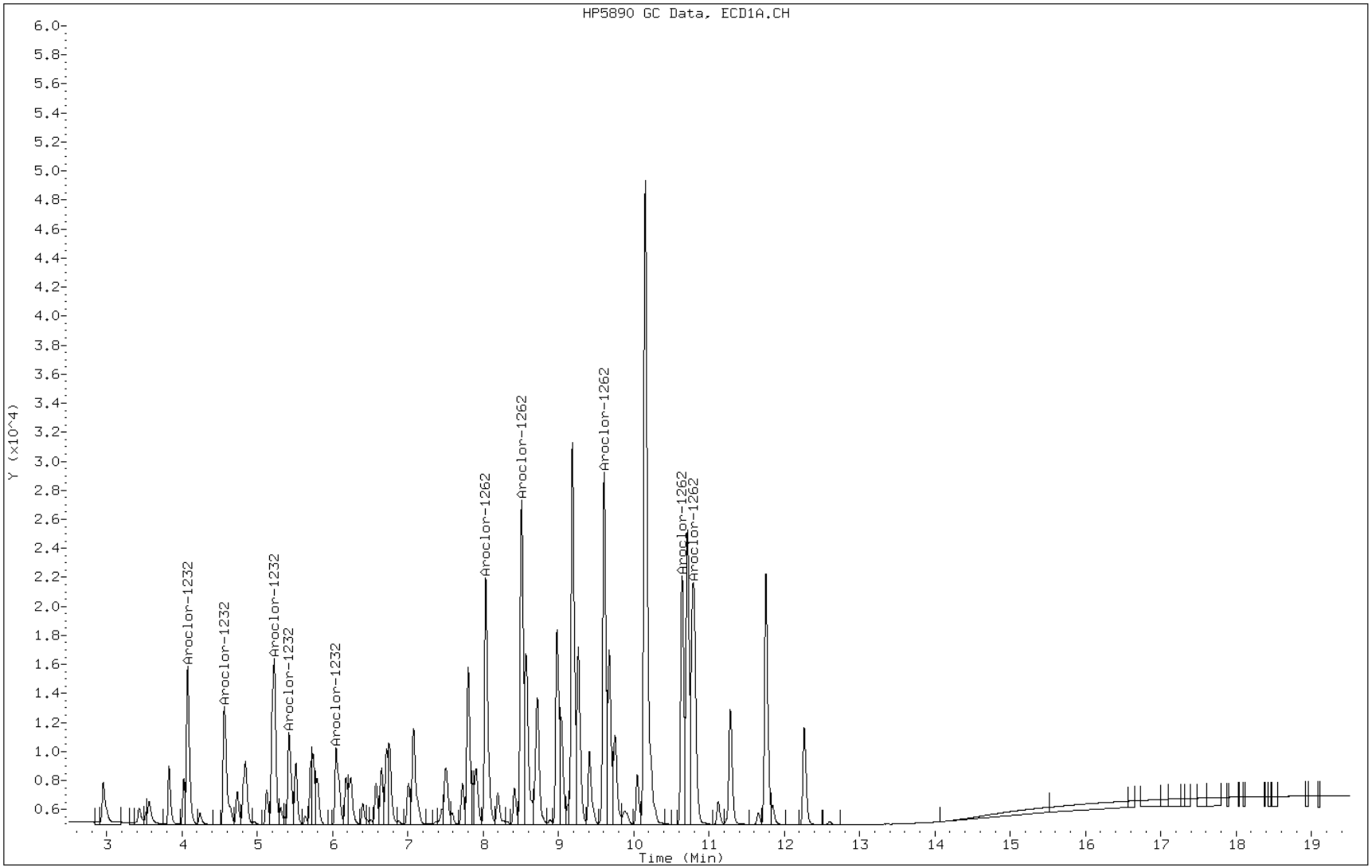
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.073	4.073	0.000	29782	250.000	277.2	50.00- 150.00	100.00
4.563	4.563	0.000	28480	250.000	277.5	317.01- 951.03	95.63
5.223	5.223	0.000	41745	250.000	263.8	689.98-2069.93	140.17
5.420	5.423	-0.003	19710	250.000	273.8	517.87-1553.61	66.18
6.046	6.046	0.000	19836	250.000	270.3	268.49- 805.46	66.61
Average of Peak Amounts =					272.520		
9 Aroclor-1262					CAS #:		
8.033	8.033	0.000	54368	250.000	279.0	50.00- 150.00	100.00
8.510	8.510	0.000	64514	250.000	280.4	191.51- 574.53	118.66
9.606	9.606	0.000	71521	250.000	274.2	77.67- 233.02	131.55
10.640	10.643	-0.003	47803	250.000	263.4	80.58- 241.76	87.93
10.790	10.790	0.000	71822	250.000	263.9	80.58- 241.76	132.10
Average of Peak Amounts =					272.180		

Data File: 039F3901.D

Date: 08-APR-2012 04:47

Client ID: Instrument: GC_W.i

Sample Info: ICV-1278262,3262 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/39 Calibration Date: 04/08/2012 04:47

Instrument ID: GCS_W Calib Start Date: 04/07/2012 22:15

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/08/2012 00:33

Lab File ID: 039F3901.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1	29.11	28888		0.270	0.250	8.1	20.0
PCB-1232 Peak 2	Lin1	89.02	87416		0.283	0.250	13.1	20.0
PCB-1232 Peak 3	Lin1	85.97	82428		0.283	0.250	13.2	20.0
PCB-1232 Peak 4	Lin1	126.9	127740		0.269	0.250	7.5	20.0
PCB-1232 Peak 5	Lin1	44.82	42008		0.264	0.250	5.8	20.0
PCB-1262 Peak 1	Lin1	184.1	175844		0.270	0.250	8.1	15.0
PCB-1262 Peak 2	Lin1	169.2	165204		0.268	0.250	7.3	15.0
PCB-1262 Peak 3	Lin1	255.2	247760		0.276	0.250	10.6	15.0
PCB-1262 Peak 4	Lin1	236.4	230360		0.273	0.250	9.1	15.0
PCB-1262 Peak 5	Lin1	419.4	414308		0.274	0.250	9.6	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/39 Calibration Date: 04/08/2012 04:47

Instrument ID: GCS_W Calib Start Date: 04/07/2012 22:15

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/08/2012 00:33

Lab File ID: 039F3901.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1232 Peak 1	4.04	3.84	4.24
PCB-1232 Peak 2	4.30	4.10	4.50
PCB-1232 Peak 3	4.86	4.66	5.06
PCB-1232 Peak 4	5.52	5.32	5.72
PCB-1232 Peak 5	6.45	6.25	6.65
PCB-1262 Peak 1	8.55	8.35	8.75
PCB-1262 Peak 2	9.20	9.00	9.40
PCB-1262 Peak 3	9.69	9.49	9.89
PCB-1262 Peak 4	10.20	10.00	10.40
PCB-1262 Peak 5	10.66	10.46	10.86

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\039F3901.D
Lab Smp Id: ICV-1278262
Inj Date : 08-APR-2012 04:47
Operator : JAX Inst ID: GC_W.i
Smp Info : ICV-1278262,3262
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 39 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR3262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

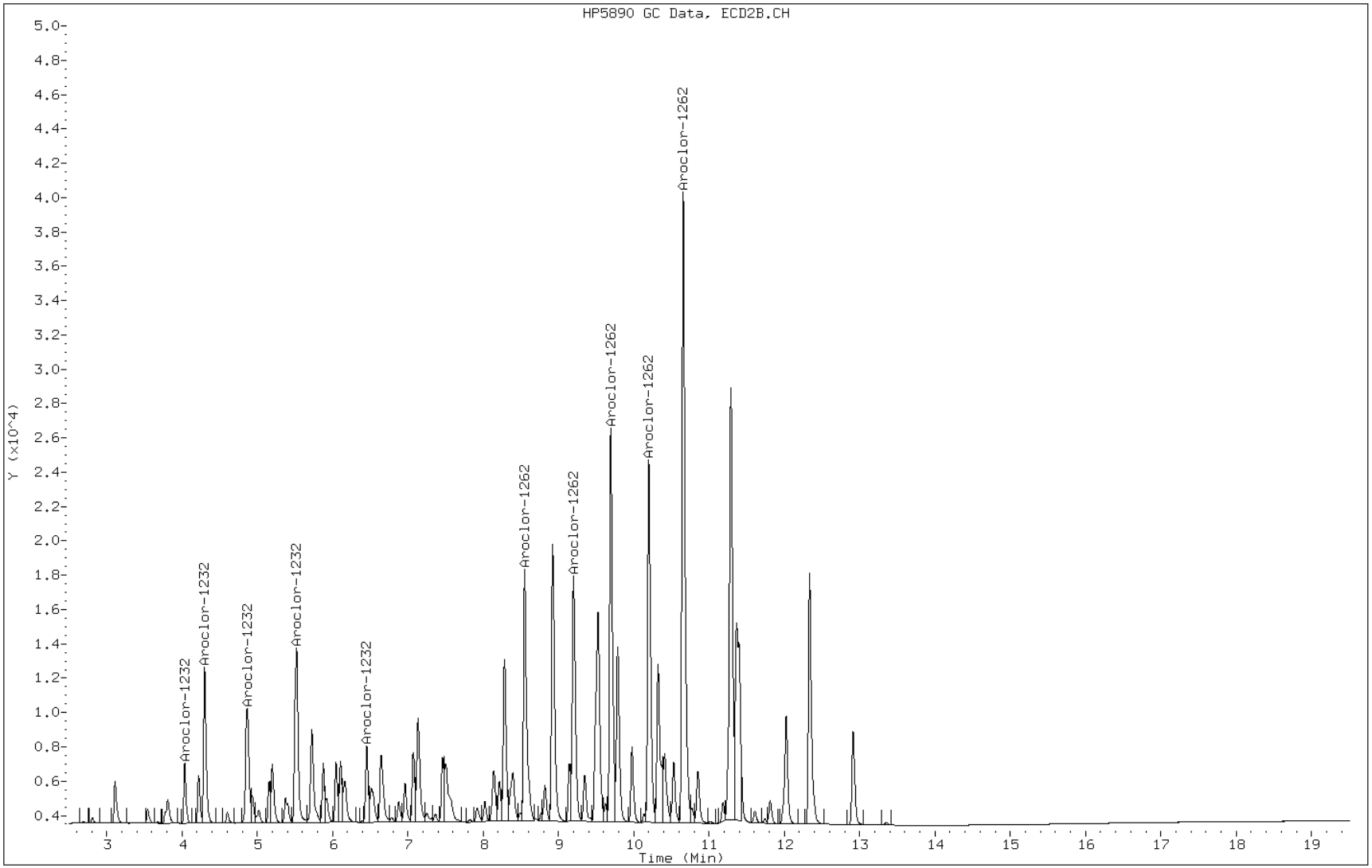
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
4.036	4.036	0.000	7222	250.000	270.2	50.00- 150.00	100.00
4.300	4.300	0.000	21854	250.000	282.8	146.93- 440.80	302.58
4.863	4.863	0.000	20607	250.000	283.1	129.59- 388.77	285.31
5.523	5.523	0.000	31935	250.000	268.7	200.98- 602.93	442.14
6.453	6.453	0.000	10502	250.000	264.4	70.81- 212.44	145.41
Average of Peak Amounts =					273.840		
9 Aroclor-1262					CAS #:		
8.550	8.550	0.000	43961	250.000	270.2	50.00- 150.00	100.00
9.200	9.203	-0.003	41301	250.000	268.3	56.72- 170.15	93.95
9.693	9.693	0.000	61940	250.000	276.4	69.30- 207.91	140.89
10.200	10.200	0.000	57590	250.000	272.6	62.45- 187.35	131.00
10.656	10.656	0.000	103577	250.000	274.0	110.80- 332.41	235.61
Average of Peak Amounts =					272.300		

Data File: 039F3901.D

Date: 08-APR-2012 04:47

Client ID: Instrument: GC_W.i

Sample Info: ICV-1278262,3262 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/40 Calibration Date: 04/08/2012 05:10

Instrument ID: GCS_W Calib Start Date: 04/08/2012 00:56

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/08/2012 03:14

Lab File ID: 040F4001.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin	90.53	81920		0.261	0.250	4.6	20.0
PCB-1242 Peak 2	Lin	186.9	173072		0.269	0.250	7.6	20.0
PCB-1242 Peak 3	Lin	112.8	106696		0.263	0.250	5.3	20.0
PCB-1242 Peak 4	Lin	295.7	282864		0.259	0.250	3.8	20.0
PCB-1242 Peak 5	Lin	151.0	144484		0.264	0.250	5.4	20.0
PCB-1268 Peak 1	Lin	240.7	224208		0.000600	0.250	7.0	15.0
PCB-1268 Peak 2	Lin	674.4	629192		0.000600	0.250	6.1	15.0
PCB-1268 Peak 3	Lin	760.9	727860		0.000600	0.250	5.0	15.0
PCB-1268 Peak 4	Lin	541.9	509988		0.000600	0.250	4.5	15.0
PCB-1268 Peak 5	Lin	244.7	232332		0.000600	0.250	2.9	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/40 Calibration Date: 04/08/2012 05:10

Instrument ID: GCS_W Calib Start Date: 04/08/2012 00:56

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/08/2012 03:14

Lab File ID: 040F4001.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1242 Peak 1	4.07	3.87	4.27
PCB-1242 Peak 2	4.56	4.36	4.76
PCB-1242 Peak 3	4.84	4.64	5.04
PCB-1242 Peak 4	5.22	5.02	5.42
PCB-1242 Peak 5	6.04	5.85	6.25
PCB-1268 Peak 1	9.60	9.40	9.80
PCB-1268 Peak 2	10.71	10.51	10.91
PCB-1268 Peak 3	10.78	10.58	10.98
PCB-1268 Peak 4	11.12	10.92	11.32
PCB-1268 Peak 5	11.75	11.55	11.95

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\040F4001.D
Lab Smp Id: ICV-1136972
Inj Date : 08-APR-2012 05:10
Operator : JAX Inst ID: GC_W.i
Smp Info : ICV-1136972,4268
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I1.B\8082W-1.m
Meth Date : 09-Apr-2012 12:09 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 40 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

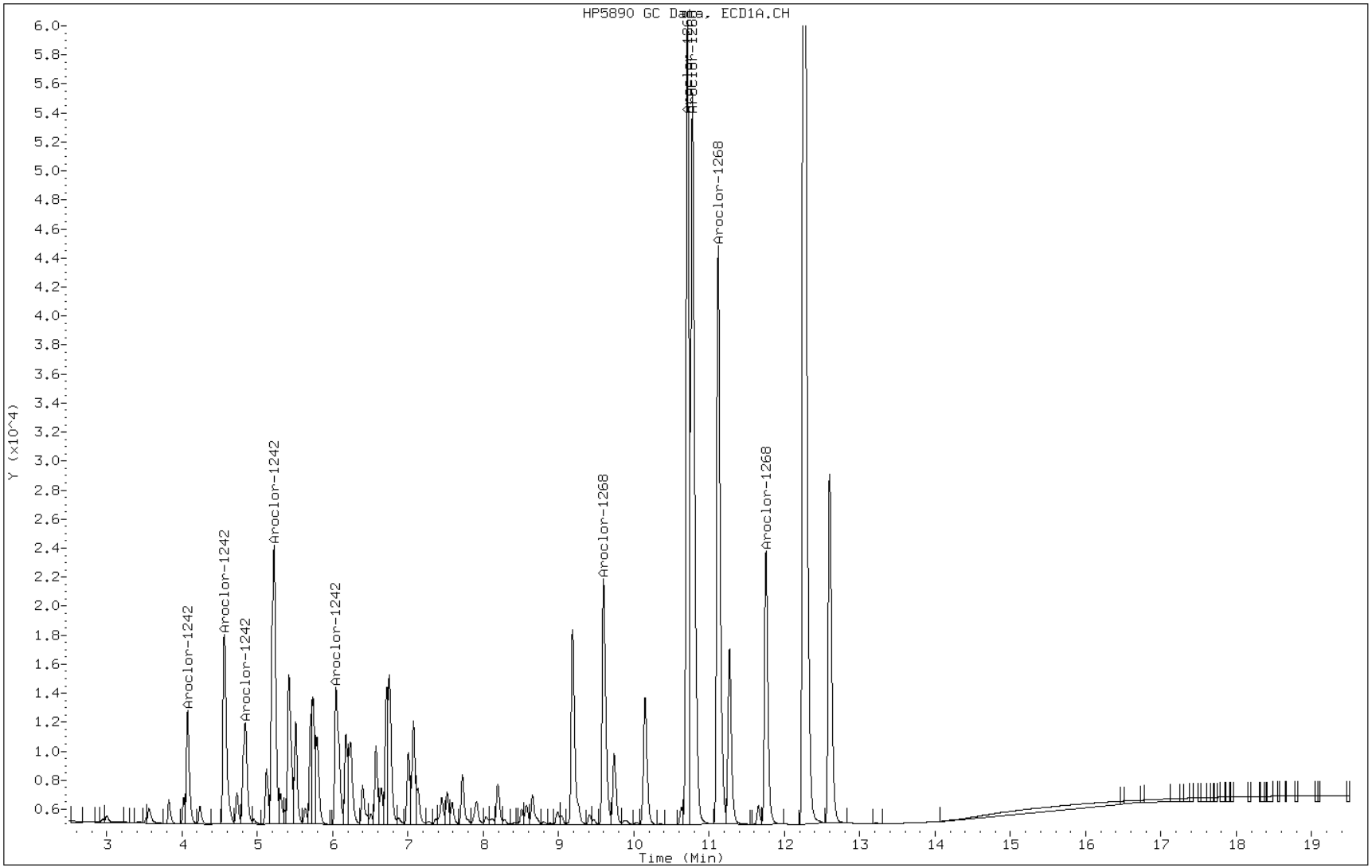
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
4.073	4.073	0.000	20480	250.000	261.4	50.00- 150.00	100.00
4.560	4.560	0.000	43268	250.000	269.1	108.83- 326.48	211.27
4.840	4.840	0.000	26674	250.000	263.3	83.74- 251.22	130.25
5.220	5.223	-0.003	70716	250.000	259.5	35.48- 106.46	345.29
6.043	6.046	-0.003	36121	250.000	263.6	3.33- 9.98	176.37
Average of Peak Amounts =					263.380		
8 Aroclor-1268					CAS #:		
9.596	9.597	-0.001	56052	250.000	267.6	50.00- 150.00	100.00
10.710	10.710	0.000	157298	250.000	265.2	50.00- 150.00	280.63
10.776	10.777	-0.001	181965	250.000	262.4	31.30- 93.90	324.63
11.120	11.120	0.000	127497	250.000	261.3	2.81- 8.43	227.46
11.753	11.753	0.000	58083	250.000	257.4	24.39- 73.17	103.62
Average of Peak Amounts =					262.780		

Data File: 040F4001.D

Date: 08-APR-2012 05:10

Client ID: Instrument: GC_W.i

Sample Info: ICV-1136972,4268 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/40 Calibration Date: 04/08/2012 05:10

Instrument ID: GCS_W Calib Start Date: 04/08/2012 00:56

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/08/2012 03:14

Lab File ID: 040F4001.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1	225.2	219112		0.269	0.250	7.4	20.0
PCB-1242 Peak 2	Lin1	84.02	77720		0.264	0.250	5.8	20.0
PCB-1242 Peak 3	Lin1	100.4	97436		0.267	0.250	6.9	20.0
PCB-1242 Peak 4	Lin1	77.72	74064		0.264	0.250	5.5	20.0
PCB-1242 Peak 5	Lin1	99.21	95268		0.267	0.250	6.8	20.0
PCB-1268 Peak 1	Lin	135.6	128440		0.000600	0.250	6.6	15.0
PCB-1268 Peak 2	Lin	178.8	167876		0.000600	0.250	8.4	15.0
PCB-1268 Peak 3	Lin	525.9	490520		0.000600	0.250	8.4	15.0
PCB-1268 Peak 4	Lin	400.4	379012		0.000600	0.250	7.2	15.0
PCB-1268 Peak 5	Lin	176.2	169284		0.000600	0.250	4.1	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICV 280-114734/40 Calibration Date: 04/08/2012 05:10

Instrument ID: GCS_W Calib Start Date: 04/08/2012 00:56

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/08/2012 03:14

Lab File ID: 040F4001.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1242 Peak 1	5.52	5.32	5.72
PCB-1242 Peak 2	6.45	6.25	6.65
PCB-1242 Peak 3	6.64	6.44	6.84
PCB-1242 Peak 4	7.07	6.87	7.27
PCB-1242 Peak 5	7.14	6.94	7.34
PCB-1268 Peak 1	9.70	9.49	9.89
PCB-1268 Peak 2	10.21	10.00	10.40
PCB-1268 Peak 3	11.29	11.09	11.49
PCB-1268 Peak 4	11.81	11.61	12.01
PCB-1268 Peak 5	12.34	12.13	12.53

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\040F4001.D
Lab Smp Id: ICV-1136972
Inj Date : 08-APR-2012 05:10
Operator : JAX Inst ID: GC_W.i
Smp Info : ICV-1136972,4268
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\040712I2.B\8082W-2.m
Meth Date : 09-Apr-2012 13:00 jacksonto Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 40 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR4268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

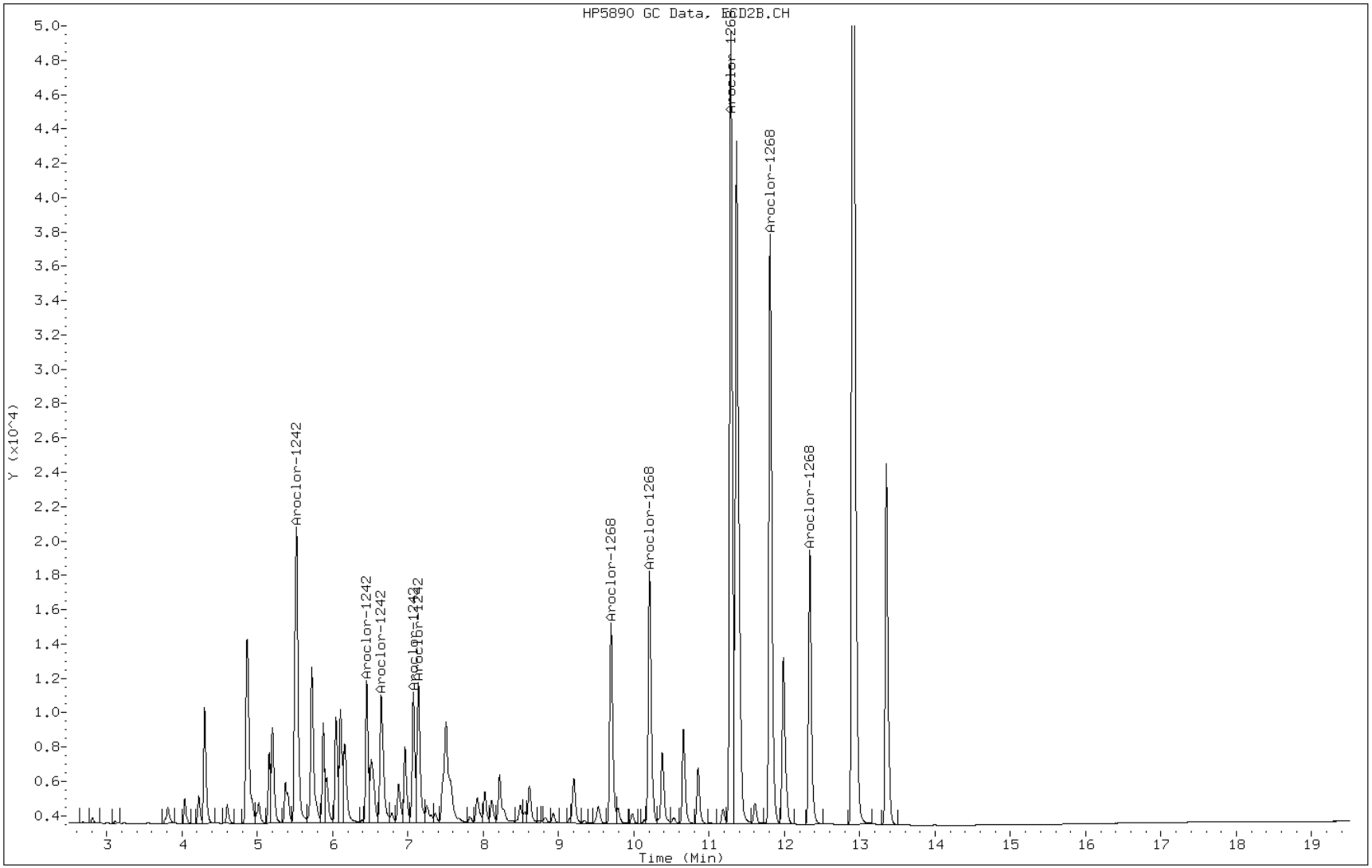
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
5.520	5.520	0.000	54778	250.000	268.6	50.00- 150.00	100.00
6.453	6.453	0.000	19430	250.000	264.5	100.64- 301.91	35.47
6.643	6.643	0.000	24359	250.000	267.3	160.51- 481.52	44.47
7.070	7.070	0.000	18516	250.000	263.8	57.95- 173.85	33.80
7.136	7.136	0.000	23817	250.000	267.0	66.73- 200.18	43.48
Average of Peak Amounts =					266.240		
8 Aroclor-1268					CAS #:		
9.696	9.693	0.003	32110	250.000	266.6	50.00- 150.00	100.00
10.206	10.203	0.003	41969	250.000	271.0	61.87- 185.61	130.71
11.286	11.287	-0.001	122630	250.000	271.0	183.37- 550.10	381.91
11.810	11.807	0.003	94753	250.000	268.0	168.76- 506.28	295.09
12.336	12.333	0.003	42321	250.000	260.2	131.03- 393.10	131.80
Average of Peak Amounts =					267.360		

Data File: 040F4001.D

Date: 08-APR-2012 05:10

Client ID: Instrument: GC_W.i

Sample Info: ICV-1136972,4268 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-114993/1 Calibration Date: 04/10/2012 10:22

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 003F0301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	104.3	88712		0.513	0.500	2.6	20.0
PCB-1016 Peak 2	Lin1	223.4	195638		0.536	0.500	7.2	20.0
PCB-1016 Peak 3	Lin1	362.6	312278		0.478	0.500	-4.4	20.0
PCB-1016 Peak 4	Lin1	167.9	154496		0.535	0.500	6.9	20.0
PCB-1016 Peak 5	Lin1	118.6	86790		0.415	0.500	-17.0	20.0
PCB-1260 Peak 1	Lin1	276.9	250898		0.539	0.500	7.8	20.0
PCB-1260 Peak 2	Lin1	484.9	439054		0.535	0.500	6.9	20.0
PCB-1260 Peak 3	Lin1	430.8	408504		0.535	0.500	7.0	20.0
PCB-1260 Peak 4	Lin1	490.2	468996		0.538	0.500	7.6	20.0
PCB-1260 Peak 5	Lin1	239.2	234604		0.537	0.500	7.4	20.0
Tetrachloro-m-xylene	Lin1	4417	4265320		0.0263	0.0250	5.3	15.0
DCB Decachlorobiphenyl	Lin1	5232	4675520		0.0258	0.0250	3.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-114993/1 Calibration Date: 04/10/2012 10:22

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 003F0301.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.07	3.87	4.27
PCB-1016 Peak 2	4.56	4.36	4.76
PCB-1016 Peak 3	5.22	5.02	5.42
PCB-1016 Peak 4	5.42	5.22	5.62
PCB-1016 Peak 5	7.07	6.87	7.27
PCB-1260 Peak 1	8.03	7.83	8.23
PCB-1260 Peak 2	8.51	8.31	8.71
PCB-1260 Peak 3	8.98	8.78	9.18
PCB-1260 Peak 4	10.15	9.95	10.35
PCB-1260 Peak 5	10.64	10.44	10.84
Tetrachloro-m-xylene	3.58	3.38	3.78
DCB Decachlorobiphenyl	12.60	12.40	12.80

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\003F0301.D
Lab Smp Id: CCVRT-1332881
Inj Date : 10-APR-2012 10:22
Operator : JAX Inst ID: GC_W.i
Smp Info : CCVRT-1332881
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.073	4.073	0.000	44356	500.000	512.9	50.00- 150.00	100.00
4.560	4.560	0.000	97819	500.000	535.9	38.38- 115.14	220.53
5.223	5.223	0.000	156139	500.000	477.8	21.89- 65.67	352.01
5.420	5.420	0.000	77248	500.000	534.6	19.98- 59.94	174.15
7.073	7.073	0.000	43395	500.000	414.8	19.98- 59.94	97.83
Average of Peak Amounts =					495.200		
2 Aroclor-1221					CAS #: 11104-28-2		
Compound Not Detected							
3 Aroclor-1232					CAS #: 11141-16-5		
Compound Not Detected							
4 Aroclor-1242					CAS #: 53469-21-9		
Compound Not Detected							
5 Aroclor-1248					CAS #: 12672-29-6		
Compound Not Detected							
6 Aroclor-1254					CAS #: 11097-69-1		
Compound Not Detected							
7 Aroclor-1260					CAS #: 11096-82-5		
8.030	8.030	0.000	125449	500.000	538.8	50.00- 150.00	100.00
8.506	8.506	0.000	219527	500.000	534.6	79.28- 237.84	174.99
8.976	8.976	0.000	204252	500.000	534.9	38.87- 116.60	162.82

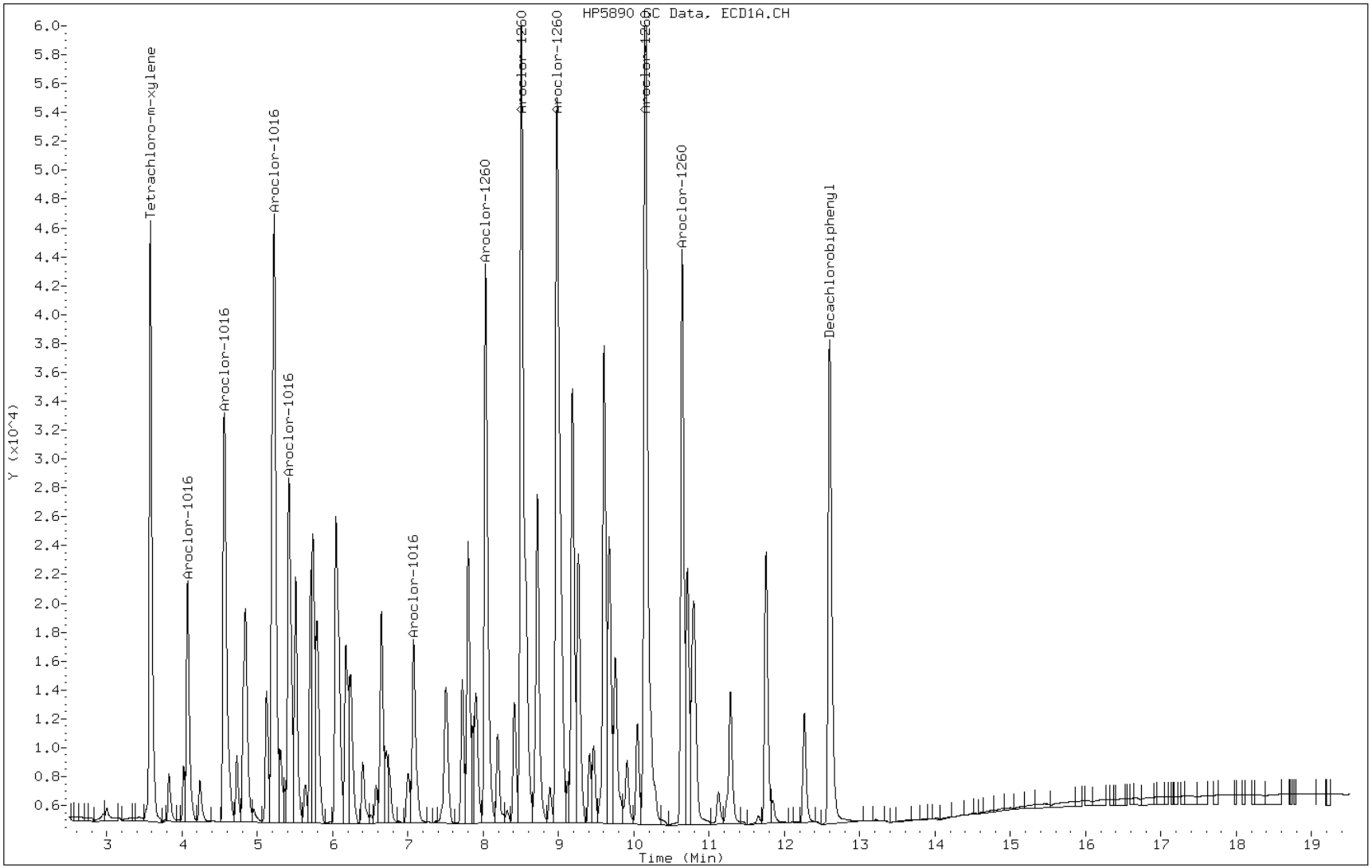
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.150	10.150	0.000	234498	500.000	537.8	40.33- 120.99	186.93
10.640	10.640	0.000	117302	500.000	537.1	22.45- 67.34	93.51
		Average of Peak Amounts =			536.640		
8 Aroclor-1268					CAS #:		
Compound Not Detected							
9 Aroclor-1262					CAS #:		
Compound Not Detected							
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.580	3.580	0.000	106633	25.0000	26.31		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.600	12.600	0.000	116888	25.0000	25.84		

Data File: 003F0301.D

Date: 10-APR-2012 10:22

Client ID: Instrument: GC_W.i

Sample Info: CCVRT-1332881 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-114993/1 Calibration Date: 04/10/2012 10:22

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 003F0301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	72.94	61668		0.497	0.500	-0.6	20.0
PCB-1016 Peak 2	Lin1	273.3	272546		0.559	0.500	11.7	20.0
PCB-1016 Peak 3	Lin1	141.2	131334		0.560	0.500	11.9	20.0
PCB-1016 Peak 4	Lin1	97.83	88286		0.525	0.500	5.0	20.0
PCB-1016 Peak 5	Lin1	103.9	107544		0.573	0.500	14.7	20.0
PCB-1260 Peak 1	Lin1	223.2	208048		0.554	0.500	10.8	20.0
PCB-1260 Peak 2	Lin1	239.4	205198		0.502	0.500	0.5	20.0
PCB-1260 Peak 3	Lin1	322.1	316398		0.553	0.500	10.5	20.0
PCB-1260 Peak 4	Lin1	169.4	162958		0.551	0.500	10.1	20.0
PCB-1260 Peak 5	Lin1	240.4	192886		0.439	0.500	-12.2	20.0
Tetrachloro-m-xylene	Lin1	3267	3258000		0.0263	0.0250	5.3	15.0
DCB Decachlorobiphenyl	Lin1	3633	3347160		0.0270	0.0250	8.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-114993/1 Calibration Date: 04/10/2012 10:22

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 003F0301.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.30	4.10	4.50
PCB-1016 Peak 2	5.52	5.32	5.72
PCB-1016 Peak 3	5.72	5.52	5.92
PCB-1016 Peak 4	6.45	6.25	6.65
PCB-1016 Peak 5	6.64	6.44	6.84
PCB-1260 Peak 1	8.55	8.35	8.75
PCB-1260 Peak 2	8.92	8.72	9.12
PCB-1260 Peak 3	9.53	9.33	9.73
PCB-1260 Peak 4	10.20	10.00	10.40
PCB-1260 Peak 5	11.29	11.09	11.49
Tetrachloro-m-xylene	3.64	3.44	3.84
DCB Decachlorobiphenyl	13.35	13.15	13.55

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\003F0301.D
Lab Smp Id: CCVRT-1332881
Inj Date : 10-APR-2012 10:22
Operator : JAX Inst ID: GC_W.i
Smp Info : CCVRT-1332881
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\8082W-2.m
Meth Date : 11-Apr-2012 12:13 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.296	4.296	0.000	30834	500.000	496.8	50.00- 150.00	100.00
5.520	5.520	0.000	136273	500.000	558.6	96.02- 288.05	441.96
5.723	5.723	0.000	65667	500.000	559.7	157.72- 473.17	212.97
6.453	6.453	0.000	44143	500.000	525.0	64.46- 193.39	143.16
6.643	6.643	0.000	53772	500.000	573.4	63.32- 189.95	174.39
Average of Peak Amounts =					542.700		
2 Aroclor-1221					CAS #: 11104-28-2		
Compound Not Detected							
3 Aroclor-1232					CAS #: 11141-16-5		
Compound Not Detected							
4 Aroclor-1242					CAS #: 53469-21-9		
Compound Not Detected							
5 Aroclor-1248					CAS #: 12672-29-6		
Compound Not Detected							
6 Aroclor-1254					CAS #: 11097-69-1		
Compound Not Detected							
7 Aroclor-1260					CAS #: 11096-82-5		
8.546	8.546	0.000	104024	500.000	554.0	50.00- 150.00	100.00
8.923	8.923	0.000	102599	500.000	502.4	54.39- 163.17	98.63
9.526	9.526	0.000	158199	500.000	552.7	32.96- 98.87	152.08

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.196	10.196	0.000	81479	500.000	550.7	65.36- 196.07	78.33
11.293	11.293	0.000	96443	500.000	438.8	16.03- 48.08	92.71
		Average of Peak Amounts =			519.720		

8 Aroclor-1268 CAS #:

Compound Not Detected

9 Aroclor-1262 CAS #:

Compound Not Detected

$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8	
3.640	3.640	0.000	81450	25.0000	26.34	
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3	
13.350	13.350	0.000	83679	25.0000	27.00	

Data File: 003F0301.D

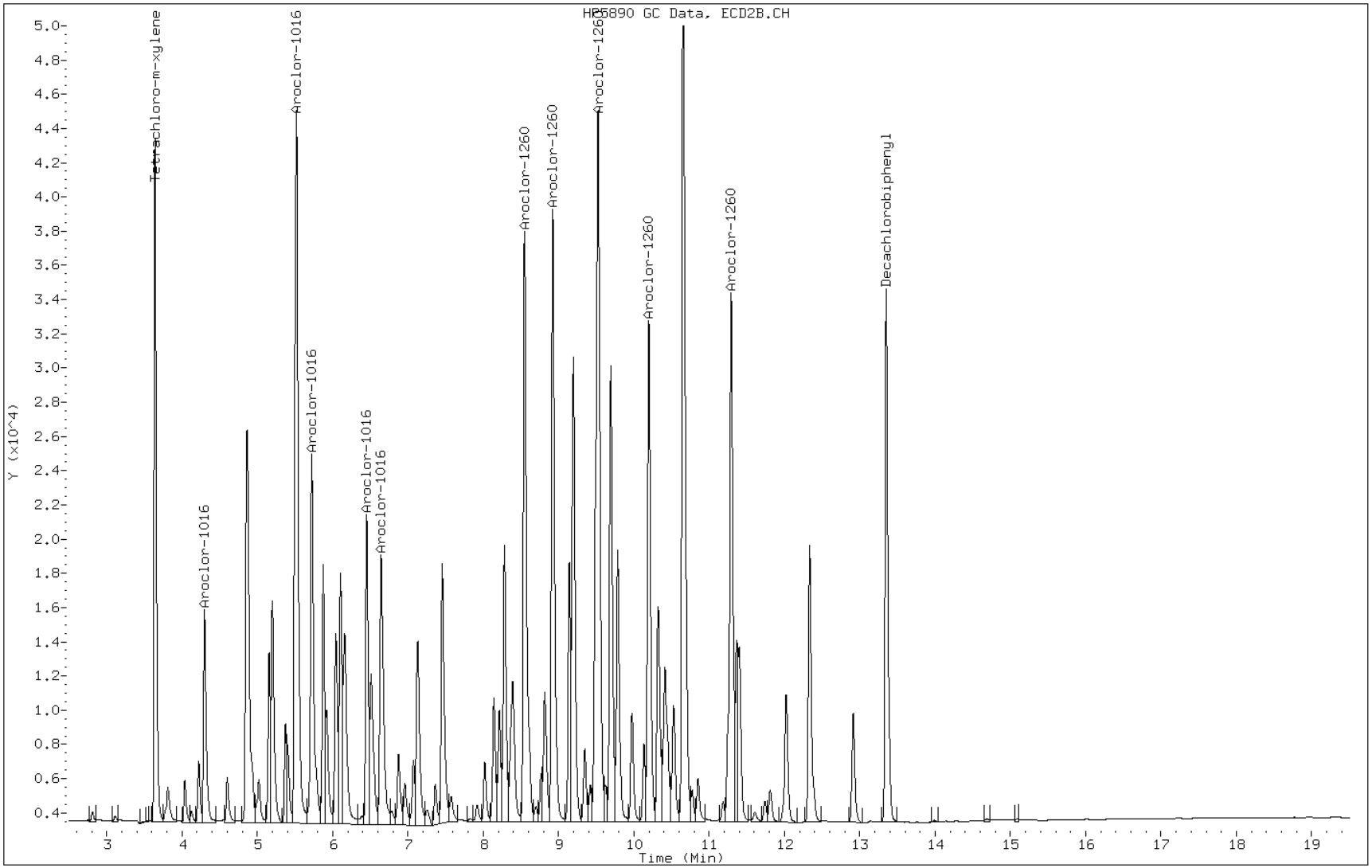
Date: 10-APR-2012 10:22

Client ID:

Instrument: GC_W.i

Sample Info: CCVRT-1332881

Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/7 Calibration Date: 04/10/2012 14:37

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 014F1401.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	104.3	91636		0.531	0.500	6.1	20.0
PCB-1016 Peak 2	Lin1	223.4	195324		0.535	0.500	7.0	20.0
PCB-1016 Peak 3	Lin1	362.6	346742		0.532	0.500	6.4	20.0
PCB-1016 Peak 4	Lin1	167.9	153636		0.532	0.500	6.3	20.0
PCB-1016 Peak 5	Lin1	118.6	110194		0.531	0.500	6.2	20.0
PCB-1260 Peak 1	Lin1	276.9	250736		0.538	0.500	7.7	20.0
PCB-1260 Peak 2	Lin1	484.9	441036		0.537	0.500	7.4	20.0
PCB-1260 Peak 3	Lin1	430.8	408820		0.535	0.500	7.1	20.0
PCB-1260 Peak 4	Lin1	490.2	465524		0.534	0.500	6.7	20.0
PCB-1260 Peak 5	Lin1	239.2	232944		0.533	0.500	6.6	20.0
Tetrachloro-m-xylene	Lin1	4417	4279240		0.0264	0.0250	5.6	15.0
DCB Decachlorobiphenyl	Lin1	5232	4876080		0.0270	0.0250	7.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/7 Calibration Date: 04/10/2012 14:37

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 014F1401.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.08	3.87	4.27
PCB-1016 Peak 2	4.56	4.36	4.76
PCB-1016 Peak 3	5.23	5.02	5.42
PCB-1016 Peak 4	5.42	5.22	5.62
PCB-1016 Peak 5	7.08	6.87	7.27
PCB-1260 Peak 1	8.03	7.83	8.23
PCB-1260 Peak 2	8.51	8.31	8.71
PCB-1260 Peak 3	8.98	8.78	9.18
PCB-1260 Peak 4	10.15	9.95	10.35
PCB-1260 Peak 5	10.64	10.44	10.84
Tetrachloro-m-xylene	3.58	3.38	3.78
DCB Decachlorobiphenyl	12.60	12.40	12.80

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\014F1401.D
Lab Smp Id: CCV-1332881
Inj Date : 10-APR-2012 14:37
Operator : JAX Inst ID: GC_W.i
Smp Info : CCV-1332881
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET	RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2			
4.076	4.073	0.003	45818	500.000	530.6	50.00-	150.00	100.00
4.563	4.560	0.003	97662	500.000	535.0	38.38-	115.14	213.15
5.226	5.223	0.003	173371	500.000	531.9	21.89-	65.67	378.39
5.423	5.420	0.003	76818	500.000	531.5	19.98-	59.94	167.66
7.076	7.073	0.003	55097	500.000	530.9	19.98-	59.94	120.25
Average of Peak Amounts =					531.980			
2 Aroclor-1221					CAS #: 11104-28-2			
Compound Not Detected								
3 Aroclor-1232					CAS #: 11141-16-5			
Compound Not Detected								
4 Aroclor-1242					CAS #: 53469-21-9			
Compound Not Detected								
5 Aroclor-1248					CAS #: 12672-29-6			
Compound Not Detected								
6 Aroclor-1254					CAS #: 11097-69-1			
Compound Not Detected								
7 Aroclor-1260					CAS #: 11096-82-5			
8.033	8.030	0.003	125368	500.000	538.4	50.00-	150.00	100.00
8.510	8.506	0.004	220518	500.000	537.1	79.28-	237.84	175.90
8.983	8.976	0.007	204410	500.000	535.3	38.87-	116.60	163.05

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.153	10.150	0.003	232762	500.000	533.7	40.33- 120.99	185.66
10.643	10.640	0.003	116472	500.000	533.2	22.45- 67.34	92.90
	Average of Peak Amounts =				535.540		

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8 Aroclor-1268 CAS #:

Compound Not Detected

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9 Aroclor-1262 CAS #:

Compound Not Detected

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.583	3.580	0.003	106981	25.0000	26.40		

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

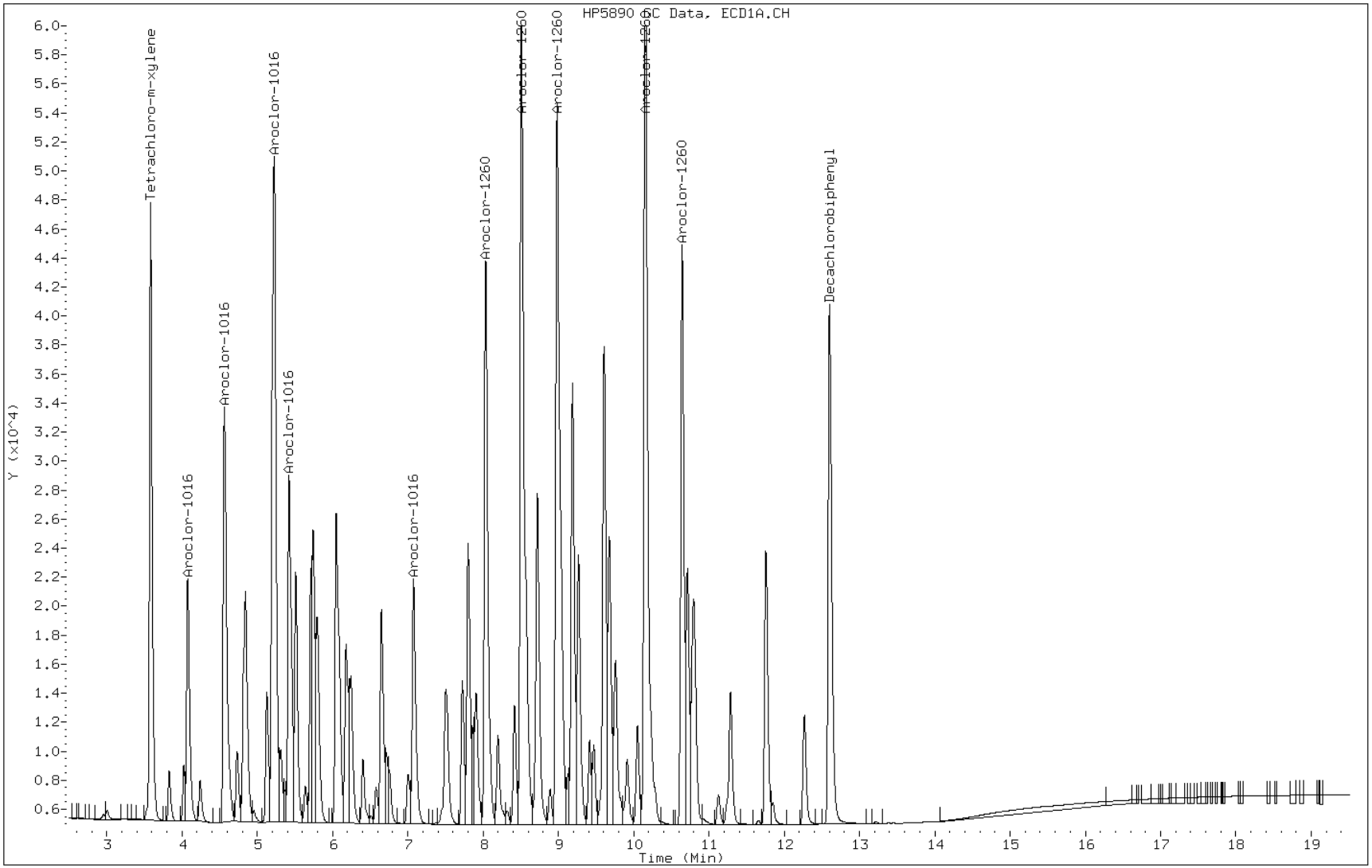
12.603	12.600	0.003	121902	25.0000	26.98		

Data File: 014F1401.D

Date: 10-APR-2012 14:37

Client ID: Instrument: GC_W.i

Sample Info: CCV-1332881 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/7 Calibration Date: 04/10/2012 14:37

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 014F1401.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	72.94	68358		0.553	0.500	10.6	20.0
PCB-1016 Peak 2	Lin1	273.3	270650		0.555	0.500	10.9	20.0
PCB-1016 Peak 3	Lin1	141.2	129000		0.549	0.500	9.9	20.0
PCB-1016 Peak 4	Lin1	97.83	90918		0.541	0.500	8.2	20.0
PCB-1016 Peak 5	Lin1	103.9	101866		0.543	0.500	8.5	20.0
PCB-1260 Peak 1	Lin1	223.2	204880		0.545	0.500	9.0	20.0
PCB-1260 Peak 2	Lin1	239.4	223708		0.549	0.500	9.9	20.0
PCB-1260 Peak 3	Lin1	322.1	312800		0.546	0.500	9.2	20.0
PCB-1260 Peak 4	Lin1	169.4	160242		0.541	0.500	8.3	20.0
PCB-1260 Peak 5	Lin1	240.4	235512		0.538	0.500	7.6	20.0
Tetrachloro-m-xylene	Lin1	3267	3305240		0.0267	0.0250	6.9	15.0
DCB Decachlorobiphenyl	Lin1	3633	3346960		0.0270	0.0250	8.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/7 Calibration Date: 04/10/2012 14:37

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 014F1401.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.30	4.10	4.50
PCB-1016 Peak 2	5.52	5.32	5.72
PCB-1016 Peak 3	5.72	5.52	5.92
PCB-1016 Peak 4	6.45	6.25	6.65
PCB-1016 Peak 5	6.65	6.44	6.84
PCB-1260 Peak 1	8.55	8.35	8.75
PCB-1260 Peak 2	8.92	8.72	9.12
PCB-1260 Peak 3	9.53	9.33	9.73
PCB-1260 Peak 4	10.20	10.00	10.40
PCB-1260 Peak 5	11.30	11.09	11.49
Tetrachloro-m-xylene	3.64	3.44	3.84
DCB Decachlorobiphenyl	13.35	13.15	13.55

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\014F1401.D
Lab Smp Id: CCV-1332881
Inj Date : 10-APR-2012 14:37
Operator : JAX Inst ID: GC_W.i
Smp Info : CCV-1332881
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\8082W-2.m
Meth Date : 11-Apr-2012 12:13 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.300	4.296	0.004	34179	500.000	552.9	50.00- 150.00	100.00
5.523	5.520	0.003	135325	500.000	554.7	96.02- 288.05	395.93
5.723	5.723	0.000	64500	500.000	549.4	157.72- 473.17	188.71
6.453	6.453	0.000	45459	500.000	541.2	64.46- 193.39	133.00
6.646	6.643	0.003	50933	500.000	542.6	63.32- 189.95	149.02
Average of Peak Amounts =					548.160		
2 Aroclor-1221					CAS #: 11104-28-2		
Compound Not Detected							
3 Aroclor-1232					CAS #: 11141-16-5		
Compound Not Detected							
4 Aroclor-1242					CAS #: 53469-21-9		
Compound Not Detected							
5 Aroclor-1248					CAS #: 12672-29-6		
Compound Not Detected							
6 Aroclor-1254					CAS #: 11097-69-1		
Compound Not Detected							
7 Aroclor-1260					CAS #: 11096-82-5		
8.553	8.546	0.007	102440	500.000	545.2	50.00- 150.00	100.00
8.923	8.923	0.000	111854	500.000	549.4	54.39- 163.17	109.19
9.530	9.526	0.004	156400	500.000	546.2	32.96- 98.87	152.67

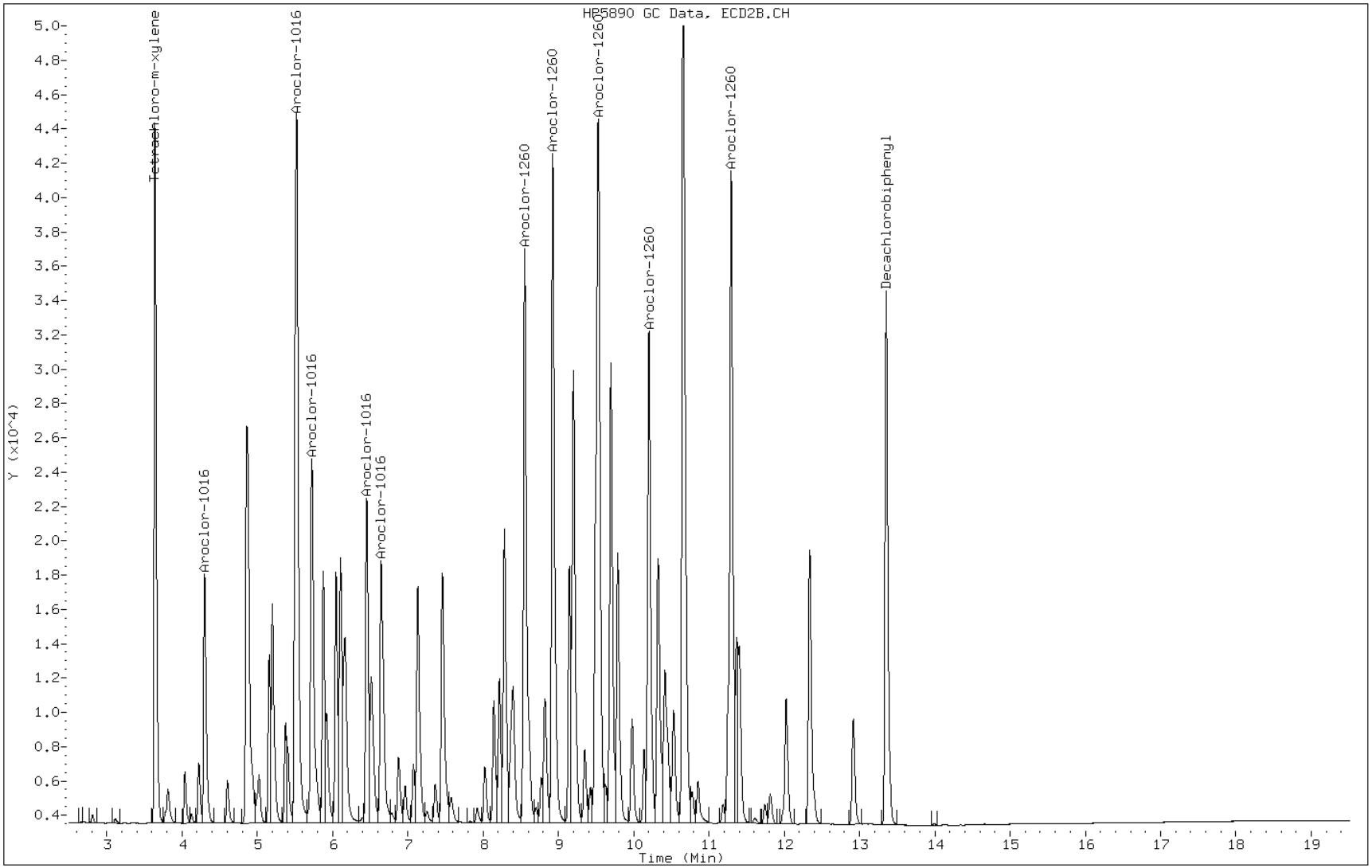
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.203	10.196	0.007	80121	500.000	541.3	65.36- 196.07	78.21
11.296	11.293	0.003	117756	500.000	538.1	16.03- 48.08	114.95
	Average of Peak Amounts =				544.040		
	8 Aroclor-1268				CAS #:		
Compound Not Detected							
	9 Aroclor-1262				CAS #:		
Compound Not Detected							
$	12 Tetrachloro-m-xylene				CAS #: 877-09-8		
3.640	3.640	0.000	82631	25.0000	26.72		
$	13 Decachlorobiphenyl				CAS #: 2051-24-3		
13.353	13.350	0.003	83674	25.0000	26.99		

Data File: 014F1401.D

Date: 10-APR-2012 14:37

Client ID: Instrument: GC_W.i

Sample Info: CCV-1332881 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/18 Calibration Date: 04/10/2012 18:51

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 025F2501.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	104.3	91090		0.527	0.500	5.5	20.0
PCB-1016 Peak 2	Lin1	223.4	190364		0.521	0.500	4.2	20.0
PCB-1016 Peak 3	Lin1	362.6	339594		0.521	0.500	4.1	20.0
PCB-1016 Peak 4	Lin1	167.9	149132		0.515	0.500	3.1	20.0
PCB-1016 Peak 5	Lin1	118.6	103296		0.497	0.500	-0.7	20.0
PCB-1260 Peak 1	Lin1	276.9	237508		0.509	0.500	1.8	20.0
PCB-1260 Peak 2	Lin1	484.9	417300		0.507	0.500	1.4	20.0
PCB-1260 Peak 3	Lin1	430.8	388356		0.508	0.500	1.6	20.0
PCB-1260 Peak 4	Lin1	490.2	434508		0.497	0.500	-0.5	20.0
PCB-1260 Peak 5	Lin1	239.2	216788		0.496	0.500	-0.9	20.0
Tetrachloro-m-xylene	Lin1	4417	4229560		0.0261	0.0250	4.4	15.0
DCB Decachlorobiphenyl	Lin1	5232	4200160		0.0231	0.0250	-7.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/18 Calibration Date: 04/10/2012 18:51

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 025F2501.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.07	3.87	4.27
PCB-1016 Peak 2	4.56	4.36	4.76
PCB-1016 Peak 3	5.22	5.02	5.42
PCB-1016 Peak 4	5.42	5.22	5.62
PCB-1016 Peak 5	7.07	6.87	7.27
PCB-1260 Peak 1	8.03	7.83	8.23
PCB-1260 Peak 2	8.51	8.31	8.71
PCB-1260 Peak 3	8.98	8.78	9.18
PCB-1260 Peak 4	10.15	9.95	10.35
PCB-1260 Peak 5	10.64	10.44	10.84
Tetrachloro-m-xylene	3.58	3.38	3.78
DCB Decachlorobiphenyl	12.60	12.40	12.80

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\025F2501.D
Lab Smp Id: CCV-1332881
Inj Date : 10-APR-2012 18:51
Operator : JAX Inst ID: GC_W.i
Smp Info : CCV-1332881
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
1 Aroclor-1016					CAS #: 12674-11-2			
4.073	4.073	0.000	45545	500.000	527.3	50.00-	150.00	100.00
4.563	4.560	0.003	95182	500.000	520.8	38.38-	115.14	208.98
5.223	5.223	0.000	169797	500.000	520.7	21.89-	65.67	372.81
5.420	5.420	0.000	74566	500.000	515.4	19.98-	59.94	163.72
7.073	7.073	0.000	51648	500.000	496.7	19.98-	59.94	113.40
Average of Peak Amounts =					516.180			
2 Aroclor-1221					CAS #: 11104-28-2			
Compound Not Detected								
3 Aroclor-1232					CAS #: 11141-16-5			
Compound Not Detected								
4 Aroclor-1242					CAS #: 53469-21-9			
Compound Not Detected								
5 Aroclor-1248					CAS #: 12672-29-6			
Compound Not Detected								
6 Aroclor-1254					CAS #: 11097-69-1			
Compound Not Detected								
7 Aroclor-1260					CAS #: 11096-82-5			
8.033	8.030	0.003	118754	500.000	508.9	50.00-	150.00	100.00
8.506	8.506	0.000	208650	500.000	507.1	79.28-	237.84	175.70
8.980	8.976	0.004	194178	500.000	507.8	38.87-	116.60	163.51

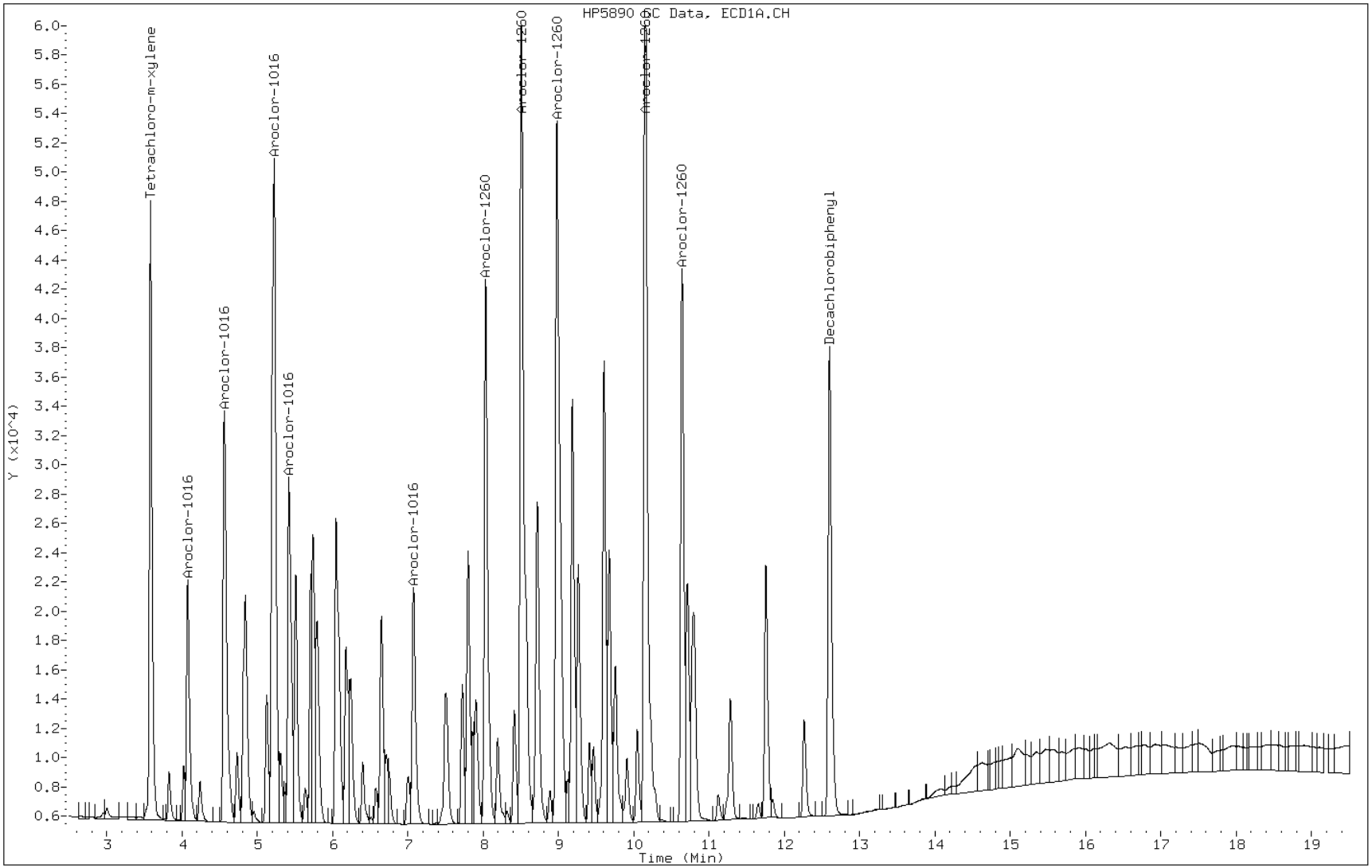
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.153	10.150	0.003	217254	500.000	497.3	40.33- 120.99	182.94
10.640	10.640	0.000	108394	500.000	495.5	22.45- 67.34	91.28
	Average of Peak Amounts =				503.320		
	8 Aroclor-1268				CAS #:		
Compound Not Detected							
	9 Aroclor-1262				CAS #:		
Compound Not Detected							
$	12 Tetrachloro-m-xylene				CAS #: 877-09-8		
3.580	3.580	0.000	105739	25.0000	26.09		
$	13 Decachlorobiphenyl				CAS #: 2051-24-3		
12.600	12.600	0.000	105004	25.0000	23.12		

Data File: 025F2501.D

Date: 10-APR-2012 18:51

Client ID: Instrument: GC_W.i

Sample Info: CCV-1332881 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/18 Calibration Date: 04/10/2012 18:51

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 025F2501.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	72.94	66584		0.538	0.500	7.6	20.0
PCB-1016 Peak 2	Lin1	273.3	267806		0.549	0.500	9.7	20.0
PCB-1016 Peak 3	Lin1	141.2	124880		0.531	0.500	6.2	20.0
PCB-1016 Peak 4	Lin1	97.83	88992		0.529	0.500	5.9	20.0
PCB-1016 Peak 5	Lin1	103.9	98300		0.523	0.500	4.6	20.0
PCB-1260 Peak 1	Lin1	223.2	193124		0.513	0.500	2.6	20.0
PCB-1260 Peak 2	Lin1	239.4	206030		0.504	0.500	0.9	20.0
PCB-1260 Peak 3	Lin1	322.1	296814		0.518	0.500	3.5	20.0
PCB-1260 Peak 4	Lin1	169.4	147824		0.498	0.500	-0.4	20.0
PCB-1260 Peak 5	Lin1	240.4	220282		0.503	0.500	0.5	20.0
Tetrachloro-m-xylene	Lin1	3267	3219240		0.0260	0.0250	4.1	15.0
DCB Decachlorobiphenyl	Lin1	3633	2985040		0.0240	0.0250	-4.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/18 Calibration Date: 04/10/2012 18:51

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 025F2501.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.30	4.10	4.50
PCB-1016 Peak 2	5.52	5.32	5.72
PCB-1016 Peak 3	5.72	5.52	5.92
PCB-1016 Peak 4	6.45	6.25	6.65
PCB-1016 Peak 5	6.64	6.44	6.84
PCB-1260 Peak 1	8.55	8.35	8.75
PCB-1260 Peak 2	8.92	8.72	9.12
PCB-1260 Peak 3	9.53	9.33	9.73
PCB-1260 Peak 4	10.20	10.00	10.40
PCB-1260 Peak 5	11.29	11.09	11.49
Tetrachloro-m-xylene	3.64	3.44	3.84
DCB Decachlorobiphenyl	13.35	13.15	13.55

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\025F2501.D
Lab Smp Id: CCV-1332881
Inj Date : 10-APR-2012 18:51
Operator : JAX Inst ID: GC_W.i
Smp Info : CCV-1332881
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\8082W-2.m
Meth Date : 11-Apr-2012 12:13 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.300	4.296	0.004	33292	500.000	538.0	50.00- 150.00	100.00
5.520	5.520	0.000	133903	500.000	548.7	96.02- 288.05	402.21
5.723	5.723	0.000	62440	500.000	531.1	157.72- 473.17	187.55
6.453	6.453	0.000	44496	500.000	529.3	64.46- 193.39	133.65
6.643	6.643	0.000	49150	500.000	523.2	63.32- 189.95	147.63
Average of Peak Amounts =					534.060		
2 Aroclor-1221					CAS #: 11104-28-2		
Compound Not Detected							
3 Aroclor-1232					CAS #: 11141-16-5		
Compound Not Detected							
4 Aroclor-1242					CAS #: 53469-21-9		
Compound Not Detected							
5 Aroclor-1248					CAS #: 12672-29-6		
Compound Not Detected							
6 Aroclor-1254					CAS #: 11097-69-1		
Compound Not Detected							
7 Aroclor-1260					CAS #: 11096-82-5		
8.550	8.546	0.004	96562	500.000	512.8	50.00- 150.00	100.00
8.923	8.923	0.000	103015	500.000	504.5	54.39- 163.17	106.68
9.526	9.526	0.000	148407	500.000	517.6	32.96- 98.87	153.69

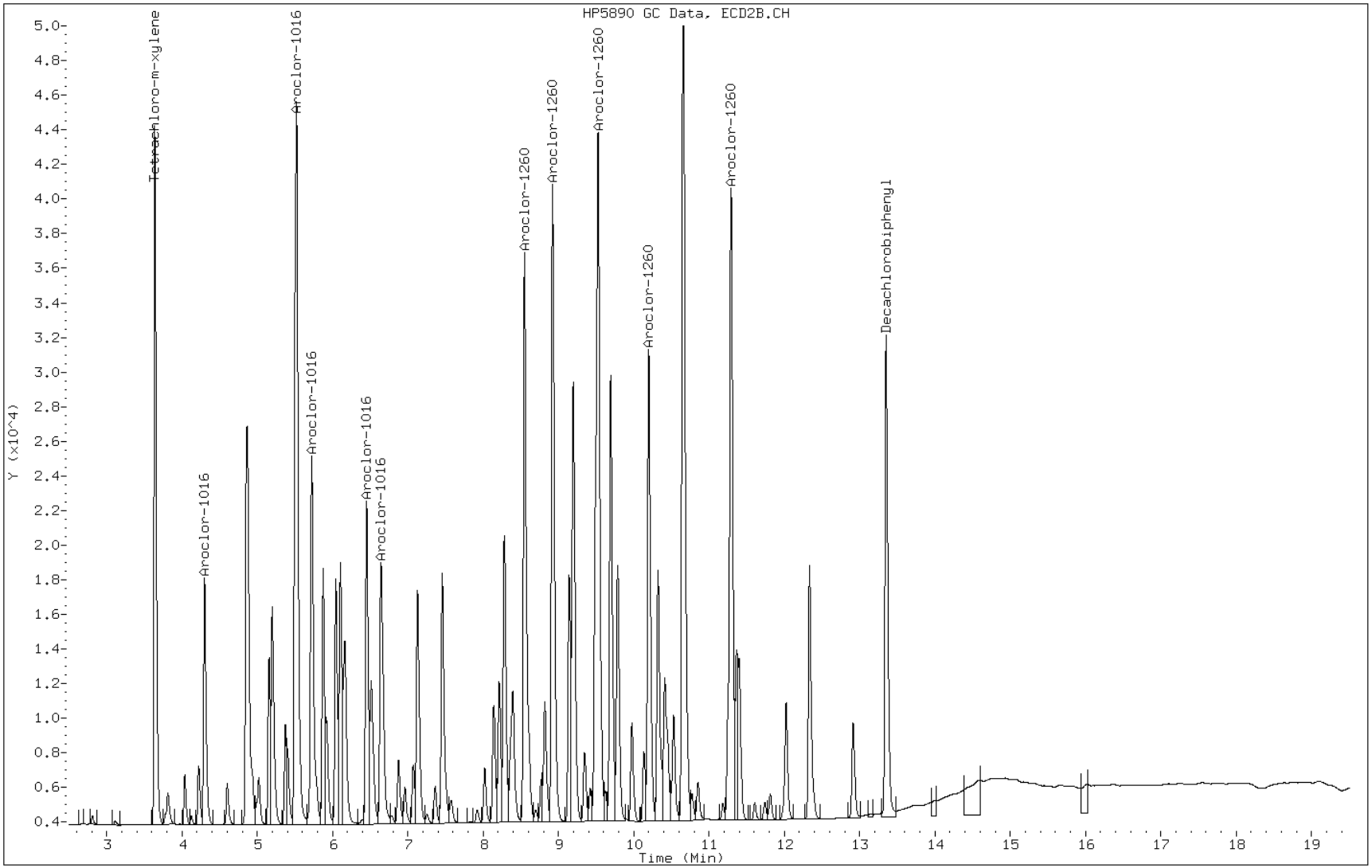
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.200	10.196	0.004	73912	500.000	498.1	65.36- 196.07	76.54
11.293	11.293	0.000	110141	500.000	502.6	16.03- 48.08	114.06
	Average of Peak Amounts =				507.120		
	8 Aroclor-1268				CAS #:		
Compound Not Detected							
	9 Aroclor-1262				CAS #:		
Compound Not Detected							
$	12 Tetrachloro-m-xylene				CAS #: 877-09-8		
3.640	3.640	0.000	80481	25.0000	26.02		
$	13 Decachlorobiphenyl				CAS #: 2051-24-3		
13.353	13.350	0.003	74626	25.0000	23.97		

Data File: 025F2501.D

Date: 10-APR-2012 18:51

Client ID: Instrument: GC_W.i

Sample Info: CCV-1332881 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/29 Calibration Date: 04/10/2012 23:05

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 036F3601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	104.3	92492		0.536	0.500	7.1	20.0
PCB-1016 Peak 2	Lin1	223.4	192396		0.527	0.500	5.3	20.0
PCB-1016 Peak 3	Lin1	362.6	348008		0.534	0.500	6.8	20.0
PCB-1016 Peak 4	Lin1	167.9	152750		0.528	0.500	5.7	20.0
PCB-1016 Peak 5	Lin1	118.6	107634		0.518	0.500	3.6	20.0
PCB-1260 Peak 1	Lin1	276.9	246518		0.529	0.500	5.8	20.0
PCB-1260 Peak 2	Lin1	484.9	435348		0.530	0.500	6.0	20.0
PCB-1260 Peak 3	Lin1	430.8	404628		0.530	0.500	5.9	20.0
PCB-1260 Peak 4	Lin1	490.2	459022		0.526	0.500	5.2	20.0
PCB-1260 Peak 5	Lin1	239.2	232728		0.533	0.500	6.5	20.0
Tetrachloro-m-xylene	Lin1	4417	4231280		0.0261	0.0250	4.4	15.0
DCB Decachlorobiphenyl	Lin1	5232	4614840		0.0255	0.0250	2.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/29 Calibration Date: 04/10/2012 23:05

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 036F3601.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.08	3.87	4.27
PCB-1016 Peak 2	4.56	4.36	4.76
PCB-1016 Peak 3	5.22	5.02	5.42
PCB-1016 Peak 4	5.42	5.22	5.62
PCB-1016 Peak 5	7.08	6.87	7.27
PCB-1260 Peak 1	8.03	7.83	8.23
PCB-1260 Peak 2	8.51	8.31	8.71
PCB-1260 Peak 3	8.98	8.78	9.18
PCB-1260 Peak 4	10.15	9.95	10.35
PCB-1260 Peak 5	10.64	10.44	10.84
Tetrachloro-m-xylene	3.58	3.38	3.78
DCB Decachlorobiphenyl	12.60	12.40	12.80

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\036F3601.D
Lab Smp Id: CCV-1332881
Inj Date : 10-APR-2012 23:05
Operator : JAX Inst ID: GC_W.i
Smp Info : CCV-1332881
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
1 Aroclor-1016					CAS #: 12674-11-2			
4.076	4.073	0.003	46246	500.000	535.7	50.00-	150.00	100.00
4.563	4.560	0.003	96198	500.000	526.6	38.38-	115.14	208.01
5.223	5.223	0.000	174004	500.000	533.9	21.89-	65.67	376.26
5.420	5.420	0.000	76375	500.000	528.3	19.98-	59.94	165.15
7.076	7.073	0.003	53817	500.000	518.2	19.98-	59.94	116.37
Average of Peak Amounts =					528.540			
2 Aroclor-1221					CAS #: 11104-28-2			
Compound Not Detected								
3 Aroclor-1232					CAS #: 11141-16-5			
Compound Not Detected								
4 Aroclor-1242					CAS #: 53469-21-9			
Compound Not Detected								
5 Aroclor-1248					CAS #: 12672-29-6			
Compound Not Detected								
6 Aroclor-1254					CAS #: 11097-69-1			
Compound Not Detected								
7 Aroclor-1260					CAS #: 11096-82-5			
8.033	8.030	0.003	123259	500.000	529.0	50.00-	150.00	100.00
8.506	8.506	0.000	217674	500.000	529.9	79.28-	237.84	176.60
8.980	8.976	0.004	202314	500.000	529.7	38.87-	116.60	164.14

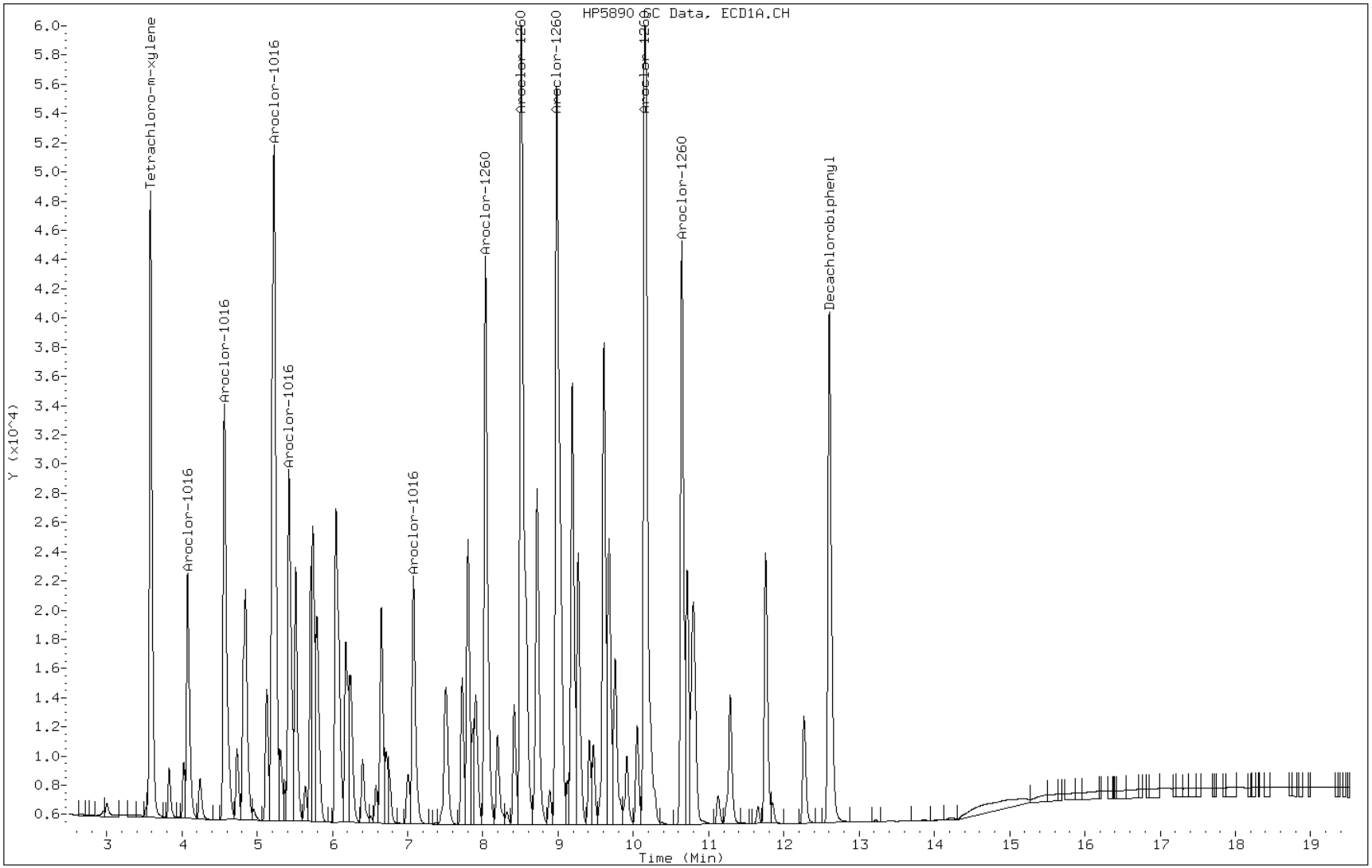
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.153	10.150	0.003	229511	500.000	526.1	40.33- 120.99	186.20
10.643	10.640	0.003	116364	500.000	532.7	22.45- 67.34	94.41
	Average of Peak Amounts =				529.480		
	8 Aroclor-1268				CAS #:		
Compound Not Detected							
	9 Aroclor-1262				CAS #:		
Compound Not Detected							
$	12 Tetrachloro-m-xylene				CAS #: 877-09-8		
3.580	3.580	0.000	105782	25.0000	26.10		
$	13 Decachlorobiphenyl				CAS #: 2051-24-3		
12.603	12.600	0.003	115371	25.0000	25.49		

Data File: 036F3601.D

Date: 10-APR-2012 23:05

Client ID: Instrument: GC_W.i

Sample Info: CCV-1332881 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/29 Calibration Date: 04/10/2012 23:05

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 036F3601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	72.94	67394		0.545	0.500	9.0	20.0
PCB-1016 Peak 2	Lin1	273.3	270738		0.555	0.500	11.0	20.0
PCB-1016 Peak 3	Lin1	141.2	126478		0.538	0.500	7.6	20.0
PCB-1016 Peak 4	Lin1	97.83	91586		0.545	0.500	9.1	20.0
PCB-1016 Peak 5	Lin1	103.9	99996		0.532	0.500	6.5	20.0
PCB-1260 Peak 1	Lin1	223.2	200378		0.533	0.500	6.6	20.0
PCB-1260 Peak 2	Lin1	239.4	209272		0.513	0.500	2.5	20.0
PCB-1260 Peak 3	Lin1	322.1	310114		0.541	0.500	8.3	20.0
PCB-1260 Peak 4	Lin1	169.4	156634		0.529	0.500	5.7	20.0
PCB-1260 Peak 5	Lin1	240.4	233092		0.532	0.500	6.5	20.0
Tetrachloro-m-xylene	Lin1	3267	3257160		0.0263	0.0250	5.3	15.0
DCB Decachlorobiphenyl	Lin1	3633	3133200		0.0252	0.0250	0.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-114993/29 Calibration Date: 04/10/2012 23:05

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 036F3601.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.30	4.10	4.50
PCB-1016 Peak 2	5.52	5.32	5.72
PCB-1016 Peak 3	5.72	5.52	5.92
PCB-1016 Peak 4	6.45	6.25	6.65
PCB-1016 Peak 5	6.65	6.44	6.84
PCB-1260 Peak 1	8.55	8.35	8.75
PCB-1260 Peak 2	8.92	8.72	9.12
PCB-1260 Peak 3	9.53	9.33	9.73
PCB-1260 Peak 4	10.20	10.00	10.40
PCB-1260 Peak 5	11.29	11.09	11.49
Tetrachloro-m-xylene	3.64	3.44	3.84
DCB Decachlorobiphenyl	13.35	13.15	13.55

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\036F3601.D
Lab Smp Id: CCV-1332881
Inj Date : 10-APR-2012 23:05
Operator : JAX Inst ID: GC_W.i
Smp Info : CCV-1332881
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\8082W-2.m
Meth Date : 11-Apr-2012 12:13 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.300	4.296	0.004	33697	500.000	544.8	50.00- 150.00	100.00
5.523	5.520	0.003	135369	500.000	554.8	96.02- 288.05	401.72
5.723	5.723	0.000	63239	500.000	538.2	157.72- 473.17	187.67
6.453	6.453	0.000	45793	500.000	545.3	64.46- 193.39	135.90
6.646	6.643	0.003	49998	500.000	532.4	63.32- 189.95	148.38
Average of Peak Amounts =					543.100		
2 Aroclor-1221					CAS #: 11104-28-2		
Compound Not Detected							
3 Aroclor-1232					CAS #: 11141-16-5		
Compound Not Detected							
4 Aroclor-1242					CAS #: 53469-21-9		
Compound Not Detected							
5 Aroclor-1248					CAS #: 12672-29-6		
Compound Not Detected							
6 Aroclor-1254					CAS #: 11097-69-1		
Compound Not Detected							
7 Aroclor-1260					CAS #: 11096-82-5		
8.550	8.546	0.004	100189	500.000	532.8	50.00- 150.00	100.00
8.923	8.923	0.000	104636	500.000	512.7	54.39- 163.17	104.44
9.526	9.526	0.000	155057	500.000	541.4	32.96- 98.87	154.76

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.200	10.196	0.004	78317	500.000	528.7	65.36- 196.07	78.17
11.293	11.293	0.000	116546	500.000	532.5	16.03- 48.08	116.33
		Average of Peak Amounts =			529.620		
8 Aroclor-1268					CAS #:		
Compound Not Detected							
9 Aroclor-1262					CAS #:		
Compound Not Detected							
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.643	3.640	0.003	81429	25.0000	26.33		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
13.353	13.350	0.003	78330	25.0000	25.21		

Data File: 036F3601.D

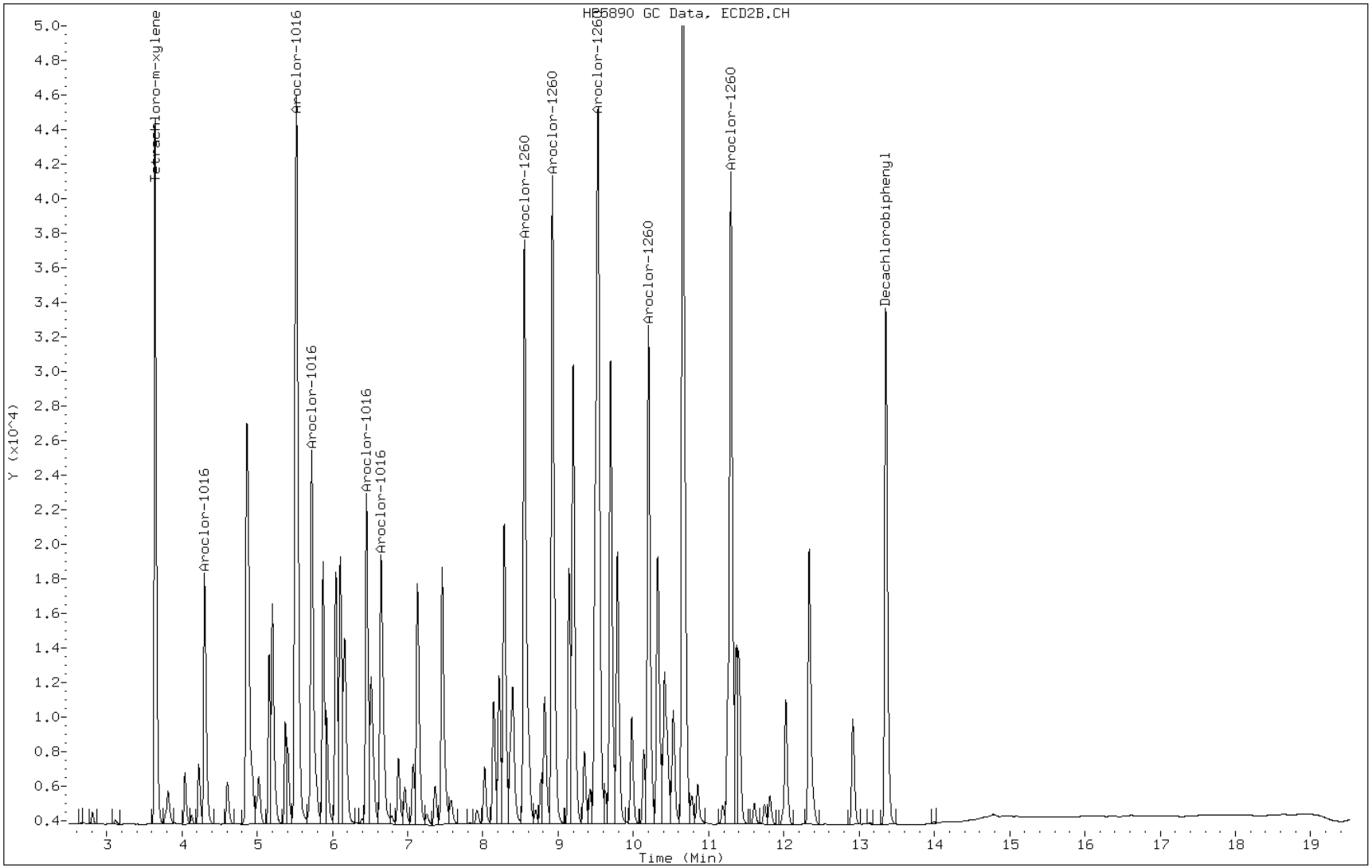
Date: 10-APR-2012 23:05

Client ID:

Instrument: GC_W.i

Sample Info: CCV-1332881

Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-115556/1 Calibration Date: 04/13/2012 13:49

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 003F0301.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	104.3	89.11		515	500	3.1	20.0
PCB-1016 Peak 2	Lin1	223.4	188.4		515	500	3.0	20.0
PCB-1016 Peak 3	Lin1	362.6	328.0		502	500	0.5	20.0
PCB-1016 Peak 4	Lin1	167.9	145.2		501	500	0.3	20.0
PCB-1016 Peak 5	Lin1	118.6	100.6		483	500	-3.3	20.0
PCB-1260 Peak 1	Lin1	276.9	231.7		496	500	-0.8	20.0
PCB-1260 Peak 2	Lin1	484.9	406.1		493	500	-1.4	20.0
PCB-1260 Peak 3	Lin1	430.8	373.2		487	500	-2.5	20.0
PCB-1260 Peak 4	Lin1	490.2	417.9		478	500	-4.5	20.0
PCB-1260 Peak 5	Lin1	239.2	210.0		480	500	-4.1	20.0
Tetrachloro-m-xylene	Lin1	4417	4117		25.4	25.0	1.5	15.0
DCB Decachlorobiphenyl	Lin1	5232	4002		22.0	25.0	-12.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCVRT 280-115556/1 Calibration Date: 04/13/2012 13:49

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 003F0301.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.07	3.87	4.27
PCB-1016 Peak 2	4.56	4.36	4.76
PCB-1016 Peak 3	5.22	5.02	5.42
PCB-1016 Peak 4	5.42	5.22	5.62
PCB-1016 Peak 5	7.07	6.87	7.27
PCB-1260 Peak 1	8.04	7.84	8.24
PCB-1260 Peak 2	8.51	8.31	8.71
PCB-1260 Peak 3	8.99	8.79	9.19
PCB-1260 Peak 4	10.16	9.96	10.36
PCB-1260 Peak 5	10.65	10.45	10.85
Tetrachloro-m-xylene	3.57	3.37	3.77
DCB Decachlorobiphenyl	12.62	12.42	12.82

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\003F0301.D
Lab Smp Id: CCVRT-1356566
Inj Date : 13-APR-2012 13:49
Operator : JAX Inst ID: GC_W.i
Smp Info : CCVRT-1356566
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\8082W-1.m
Meth Date : 16-Apr-2012 07:59 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
1 Aroclor-1016					CAS #: 12674-11-2			
4.066	4.066	0.000	44553	500.000	515.3	50.00-	150.00	100.00
4.556	4.556	0.000	94176	500.000	515.0	38.38-	115.14	211.38
5.220	5.220	0.000	164006	500.000	502.5	21.89-	65.67	368.11
5.416	5.416	0.000	72615	500.000	501.4	19.98-	59.94	162.99
7.073	7.073	0.000	50310	500.000	483.4	19.98-	59.94	112.92
Average of Peak Amounts =					503.520			
2 Aroclor-1221					CAS #: 11104-28-2			
Compound Not Detected								
3 Aroclor-1232					CAS #: 11141-16-5			
Compound Not Detected								
4 Aroclor-1242					CAS #: 53469-21-9			
Compound Not Detected								
5 Aroclor-1248					CAS #: 12672-29-6			
Compound Not Detected								
6 Aroclor-1254					CAS #: 11097-69-1			
Compound Not Detected								
7 Aroclor-1260					CAS #: 11096-82-5			
8.036	8.036	0.000	115851	500.000	495.9	50.00-	150.00	100.00
8.510	8.510	0.000	203061	500.000	493.0	79.28-	237.84	175.28
8.986	8.986	0.000	186604	500.000	487.5	38.87-	116.60	161.07

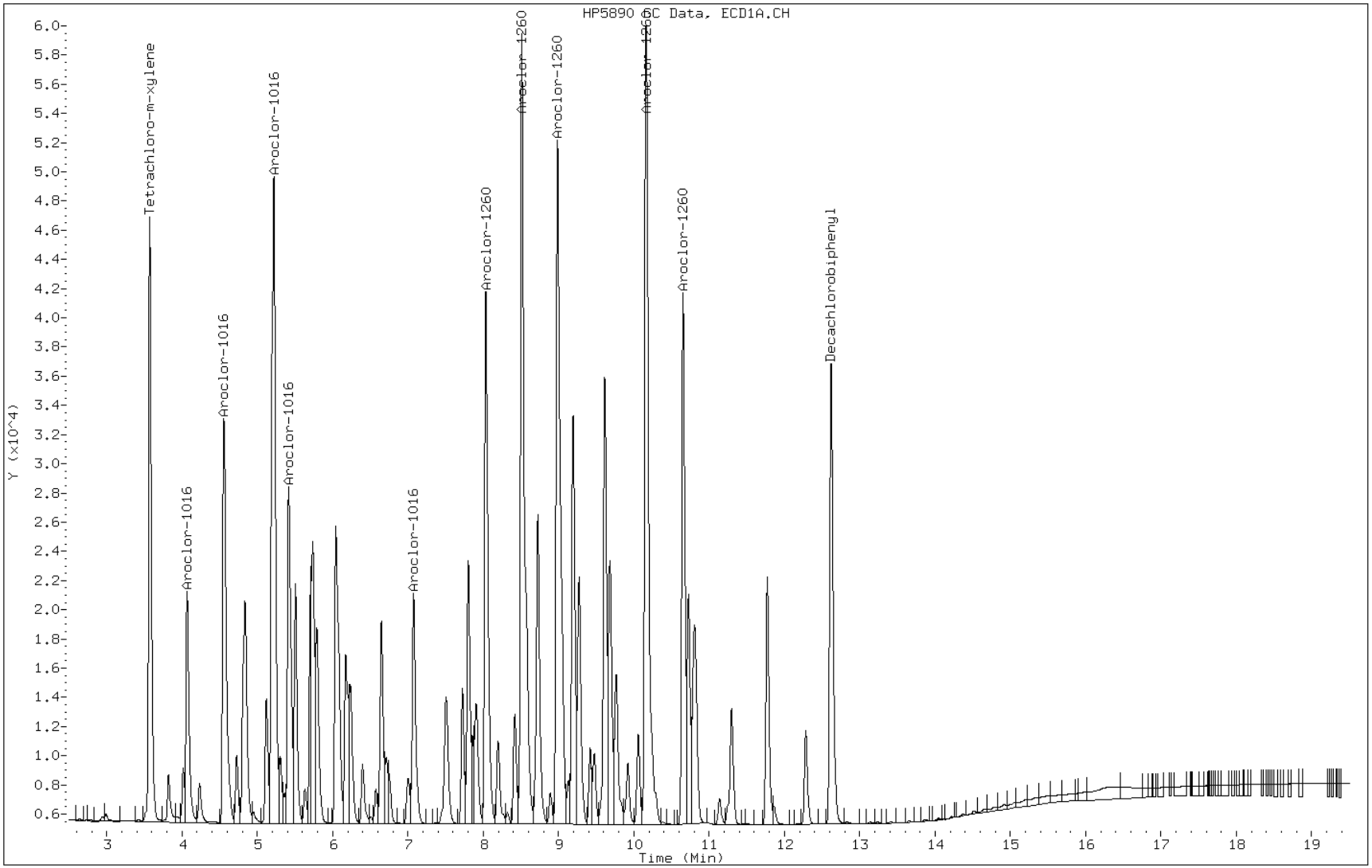
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.163	10.163	0.000	208948	500.000	477.7	40.33- 120.99	180.36
10.653	10.653	0.000	104977	500.000	479.6	22.45- 67.34	90.61
	Average of Peak Amounts =				486.740		
	8 Aroclor-1268				CAS #:		
Compound Not Detected							
	9 Aroclor-1262				CAS #:		
Compound Not Detected							
$	12 Tetrachloro-m-xylene				CAS #: 877-09-8		
3.570	3.570	0.000	102917	25.0000	25.38		
$	13 Decachlorobiphenyl				CAS #: 2051-24-3		
12.616	12.616	0.000	100047	25.0000	21.99		

Data File: 003F0301.D

Date: 13-APR-2012 13:49

Client ID: Instrument: GC_W.i

Sample Info: CCVRT-1356566 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115556/10 Calibration Date: 04/13/2012 18:04

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 014F1401.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	104.3	91.94		532	500	6.5	20.0
PCB-1016 Peak 2	Lin1	223.4	194.3		532	500	6.4	20.0
PCB-1016 Peak 3	Lin1	362.6	338.1		518	500	3.7	20.0
PCB-1016 Peak 4	Lin1	167.9	151.7		525	500	4.9	20.0
PCB-1016 Peak 5	Lin1	118.6	105.2		506	500	1.2	20.0
PCB-1260 Peak 1	Lin1	276.9	239.4		513	500	2.6	20.0
PCB-1260 Peak 2	Lin1	484.9	419.3		510	500	1.9	20.0
PCB-1260 Peak 3	Lin1	430.8	388.5		508	500	1.6	20.0
PCB-1260 Peak 4	Lin1	490.2	438.2		502	500	0.3	20.0
PCB-1260 Peak 5	Lin1	239.2	222.1		508	500	1.6	20.0
Tetrachloro-m-xylene	Lin1	4417	4306		26.6	25.0	6.3	15.0
DCB Decachlorobiphenyl	Lin1	5232	4382		24.2	25.0	-3.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115556/10 Calibration Date: 04/13/2012 18:04

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 014F1401.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.07	3.87	4.27
PCB-1016 Peak 2	4.56	4.36	4.76
PCB-1016 Peak 3	5.22	5.02	5.42
PCB-1016 Peak 4	5.41	5.22	5.62
PCB-1016 Peak 5	7.07	6.87	7.27
PCB-1260 Peak 1	8.03	7.84	8.24
PCB-1260 Peak 2	8.51	8.31	8.71
PCB-1260 Peak 3	8.98	8.79	9.19
PCB-1260 Peak 4	10.16	9.96	10.36
PCB-1260 Peak 5	10.65	10.45	10.85
Tetrachloro-m-xylene	3.57	3.37	3.77
DCB Decachlorobiphenyl	12.61	12.42	12.82

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\014F1401.D
Lab Smp Id: CCV-1356566
Inj Date : 13-APR-2012 18:04
Operator : JAX Inst ID: GC_W.i
Smp Info : CCV-1356566
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\8082W-1.m
Meth Date : 16-Apr-2012 07:59 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.066	4.066	0.000	45968	500.000	532.4	50.00- 150.00	100.00
4.556	4.556	0.000	97165	500.000	532.2	38.38- 115.14	211.38
5.220	5.220	0.000	169044	500.000	518.3	21.89- 65.67	367.74
5.413	5.416	-0.003	75870	500.000	524.7	19.98- 59.94	165.05
7.073	7.073	0.000	52605	500.000	506.2	19.98- 59.94	114.44
Average of Peak Amounts =					522.760		
2 Aroclor-1221					CAS #: 11104-28-2		
Compound Not Detected							
3 Aroclor-1232					CAS #: 11141-16-5		
Compound Not Detected							
4 Aroclor-1242					CAS #: 53469-21-9		
Compound Not Detected							
5 Aroclor-1248					CAS #: 12672-29-6		
Compound Not Detected							
6 Aroclor-1254					CAS #: 11097-69-1		
Compound Not Detected							
7 Aroclor-1260					CAS #: 11096-82-5		
8.033	8.036	-0.003	119716	500.000	513.2	50.00- 150.00	100.00
8.510	8.510	0.000	209668	500.000	509.7	79.28- 237.84	175.14
8.983	8.986	-0.003	194236	500.000	508.0	38.87- 116.60	162.25

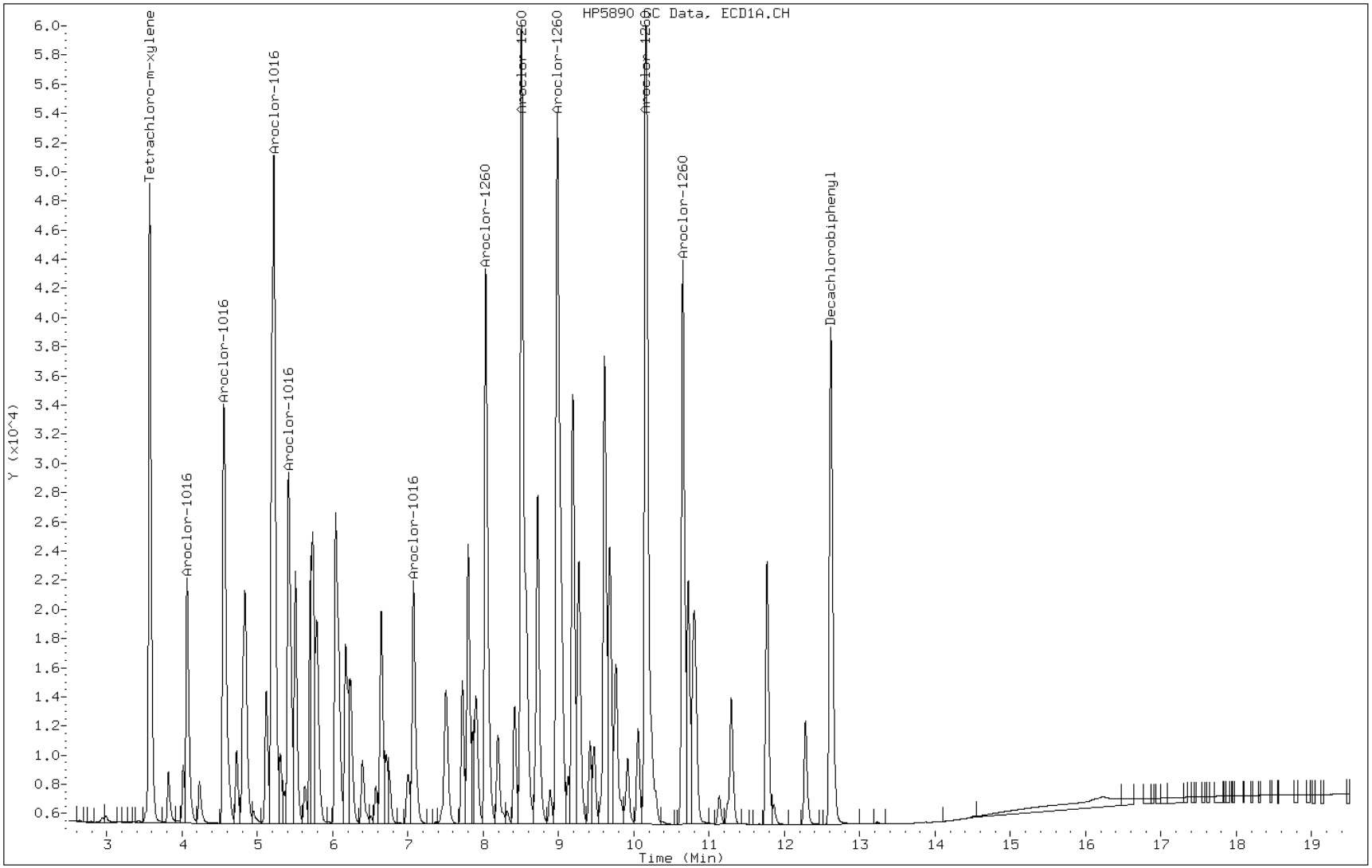
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.160	10.163	-0.003	219094	500.000	501.6	40.33- 120.99	183.01
10.650	10.653	-0.003	111041	500.000	507.8	22.45- 67.34	92.75
		Average of Peak Amounts =			508.060		
8 Aroclor-1268					CAS #:		
Compound Not Detected							
9 Aroclor-1262					CAS #:		
Compound Not Detected							
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.570	3.570	0.000	107641	25.0000	26.57		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.613	12.616	-0.003	109561	25.0000	24.16		

Data File: 014F1401.D

Date: 13-APR-2012 18:04

Client ID: Instrument: GC_W.i

Sample Info: CCV-1356566 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115556/14 Calibration Date: 04/13/2012 22:19

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 025F2501.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	104.3	94.09		545	500	9.1	20.0
PCB-1016 Peak 2	Lin1	223.4	199.2		546	500	9.2	20.0
PCB-1016 Peak 3	Lin1	362.6	346.7		532	500	6.4	20.0
PCB-1016 Peak 4	Lin1	167.9	155.3		537	500	7.5	20.0
PCB-1016 Peak 5	Lin1	118.6	109.3		527	500	5.3	20.0
PCB-1260 Peak 1	Lin1	276.9	245.1		526	500	5.2	20.0
PCB-1260 Peak 2	Lin1	484.9	429.6		523	500	4.5	20.0
PCB-1260 Peak 3	Lin1	430.8	397.2		520	500	3.9	20.0
PCB-1260 Peak 4	Lin1	490.2	448.2		513	500	2.7	20.0
PCB-1260 Peak 5	Lin1	239.2	225.2		515	500	3.0	20.0
Tetrachloro-m-xylene	Lin1	4417	4409		27.2	25.0	8.9	15.0
DCB Decachlorobiphenyl	Lin1	5232	4464		24.6	25.0	-1.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115556/14 Calibration Date: 04/13/2012 22:19

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 025F2501.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.06	3.87	4.27
PCB-1016 Peak 2	4.55	4.36	4.76
PCB-1016 Peak 3	5.21	5.02	5.42
PCB-1016 Peak 4	5.41	5.22	5.62
PCB-1016 Peak 5	7.07	6.87	7.27
PCB-1260 Peak 1	8.03	7.84	8.24
PCB-1260 Peak 2	8.50	8.31	8.71
PCB-1260 Peak 3	8.98	8.79	9.19
PCB-1260 Peak 4	10.15	9.96	10.36
PCB-1260 Peak 5	10.64	10.45	10.85
Tetrachloro-m-xylene	3.57	3.37	3.77
DCB Decachlorobiphenyl	12.61	12.42	12.82

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\025F2501.D
Lab Smp Id: CCV-1356566
Inj Date : 13-APR-2012 22:19
Operator : JAX Inst ID: GC_W.i
Smp Info : CCV-1356566
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\8082W-1.m
Meth Date : 16-Apr-2012 07:59 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
1 Aroclor-1016					CAS #: 12674-11-2			
4.063	4.066	-0.003	47047	500.000	545.4	50.00-	150.00	100.00
4.553	4.556	-0.003	99607	500.000	546.2	38.38-	115.14	211.72
5.213	5.220	-0.007	173361	500.000	531.9	21.89-	65.67	368.48
5.410	5.416	-0.006	77635	500.000	537.4	19.98-	59.94	165.02
7.066	7.073	-0.007	54667	500.000	526.6	19.98-	59.94	116.20
Average of Peak Amounts =					537.500			
2 Aroclor-1221					CAS #: 11104-28-2			
Compound Not Detected								
3 Aroclor-1232					CAS #: 11141-16-5			
Compound Not Detected								
4 Aroclor-1242					CAS #: 53469-21-9			
Compound Not Detected								
5 Aroclor-1248					CAS #: 12672-29-6			
Compound Not Detected								
6 Aroclor-1254					CAS #: 11097-69-1			
Compound Not Detected								
7 Aroclor-1260					CAS #: 11096-82-5			
8.026	8.036	-0.010	122561	500.000	525.9	50.00-	150.00	100.00
8.503	8.510	-0.007	214807	500.000	522.7	79.28-	237.84	175.27
8.980	8.986	-0.006	198608	500.000	519.7	38.87-	116.60	162.05

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng/ml)	ON-COL (ng/ml)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.153	10.163	-0.010	224119	500.000	513.4	40.33- 120.99	182.86
10.643	10.653	-0.010	112622	500.000	515.2	22.45- 67.34	91.89
		Average of Peak Amounts =			519.380		

---

8 Aroclor-1268 CAS #:

Compound Not Detected

---

9 Aroclor-1262 CAS #:

Compound Not Detected

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.566 3.570 -0.004 110216 25.0000 27.21

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

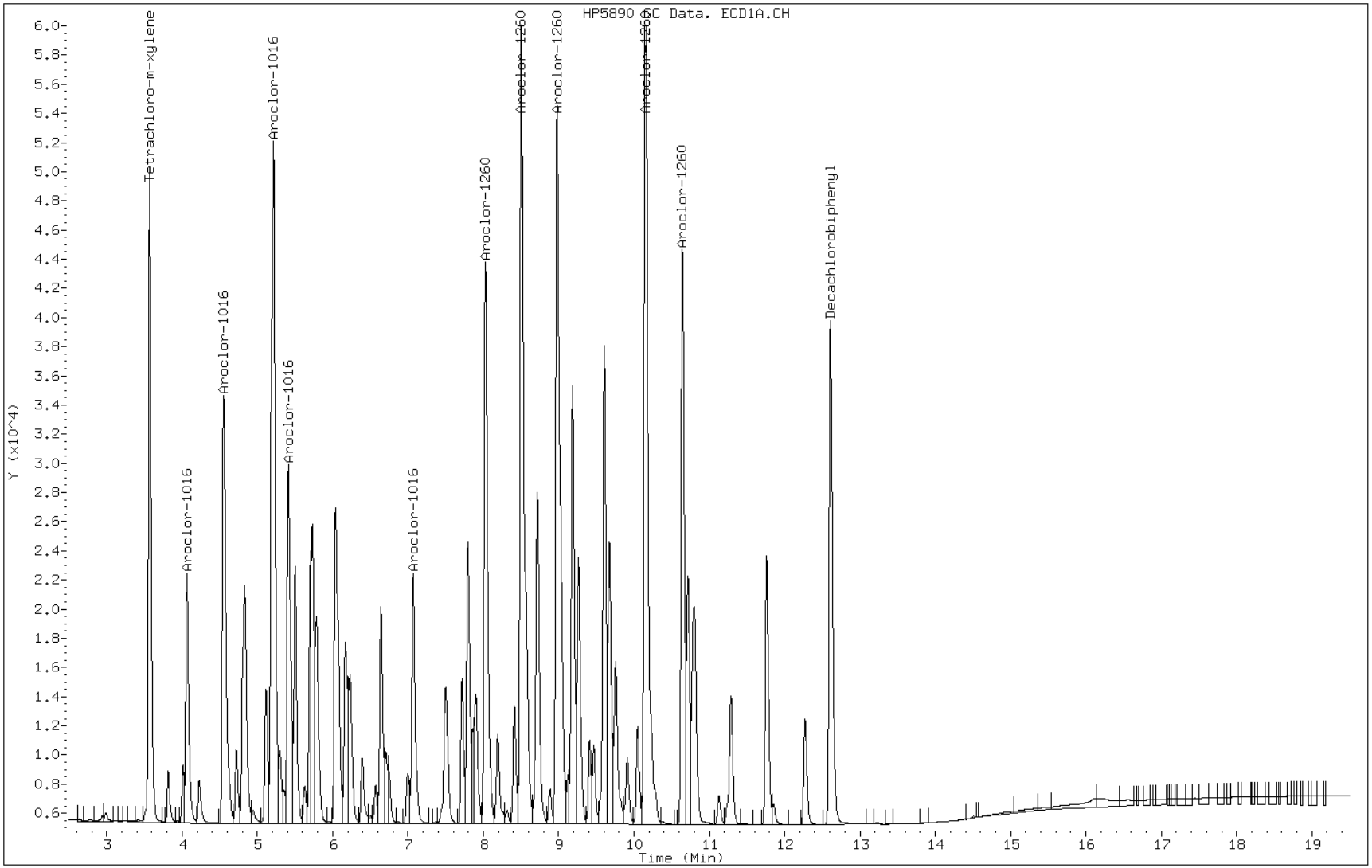
12.606 12.616 -0.010 111610 25.0000 24.63

Data File: 025F2501.D

Date: 13-APR-2012 22:19

Client ID: Instrument: GC_W.i

Sample Info: CCV-1356566 Operator: JAX



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115556/15 Calibration Date: 04/14/2012 04:29

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 041F4101.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1	104.3	96.14		558	500	11.6	20.0
PCB-1016 Peak 2	Lin1	223.4	204.2		560	500	12.1	20.0
PCB-1016 Peak 3	Lin1	362.6	357.3		548	500	9.7	20.0
PCB-1016 Peak 4	Lin1	167.9	159.4		552	500	10.4	20.0
PCB-1016 Peak 5	Lin1	118.6	111.6		538	500	7.6	20.0
PCB-1260 Peak 1	Lin1	276.9	252.8		543	500	8.6	20.0
PCB-1260 Peak 2	Lin1	484.9	442.8		539	500	7.9	20.0
PCB-1260 Peak 3	Lin1	430.8	410.8		538	500	7.6	20.0
PCB-1260 Peak 4	Lin1	490.2	464.1		532	500	6.4	20.0
PCB-1260 Peak 5	Lin1	239.2	235.9		540	500	8.0	20.0
Tetrachloro-m-xylene	Lin1	4417	4542		28.1	25.0	12.2	15.0
DCB Decachlorobiphenyl	Lin1	5232	4666		25.8	25.0	3.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: CCV 280-115556/15 Calibration Date: 04/14/2012 04:29

Instrument ID: GCS_W Calib Start Date: 04/07/2012 19:33

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/07/2012 21:52

Lab File ID: 041F4101.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.07	3.87	4.27
PCB-1016 Peak 2	4.55	4.36	4.76
PCB-1016 Peak 3	5.22	5.02	5.42
PCB-1016 Peak 4	5.41	5.22	5.62
PCB-1016 Peak 5	7.07	6.87	7.27
PCB-1260 Peak 1	8.03	7.84	8.24
PCB-1260 Peak 2	8.50	8.31	8.71
PCB-1260 Peak 3	8.98	8.79	9.19
PCB-1260 Peak 4	10.16	9.96	10.36
PCB-1260 Peak 5	10.65	10.45	10.85
Tetrachloro-m-xylene	3.57	3.37	3.77
DCB Decachlorobiphenyl	12.61	12.42	12.82

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\041F4101.D
Lab Smp Id: CCV-1356566
Inj Date : 14-APR-2012 04:29
Operator : JAX Inst ID: GC_W.i
Smp Info : CCV-1356566
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\8082W-1.m
Meth Date : 16-Apr-2012 07:59 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 41 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC377

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE		RATIO
1 Aroclor-1016					CAS #: 12674-11-2			
4.066	4.066	0.000	48068	500.000	557.8	50.00- 150.00		100.00
4.553	4.556	-0.003	102087	500.000	560.4	38.38- 115.14		212.38
5.216	5.220	-0.004	178638	500.000	548.4	21.89- 65.67		371.64
5.413	5.416	-0.003	79700	500.000	552.1	19.98- 59.94		165.81
7.070	7.073	-0.003	55812	500.000	538.0	19.98- 59.94		116.11
Average of Peak Amounts =					551.340			
2 Aroclor-1221					CAS #: 11104-28-2			
Compound Not Detected								
3 Aroclor-1232					CAS #: 11141-16-5			
Compound Not Detected								
4 Aroclor-1242					CAS #: 53469-21-9			
Compound Not Detected								
5 Aroclor-1248					CAS #: 12672-29-6			
Compound Not Detected								
6 Aroclor-1254					CAS #: 11097-69-1			
Compound Not Detected								
7 Aroclor-1260					CAS #: 11096-82-5			
8.030	8.036	-0.006	126380	500.000	542.9	50.00- 150.00		100.00
8.503	8.510	-0.007	221402	500.000	539.4	79.28- 237.84		175.19
8.980	8.986	-0.006	205407	500.000	538.0	38.87- 116.60		162.53

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng/ml)	(ng/ml)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.156	10.163	-0.007	232069	500.000	532.1	40.33- 120.99	183.63
10.646	10.653	-0.007	117936	500.000	540.0	22.45- 67.34	93.32
		Average of Peak Amounts =			538.480		

8 Aroclor-1268 CAS #:

Compound Not Detected

9 Aroclor-1262 CAS #:

Compound Not Detected

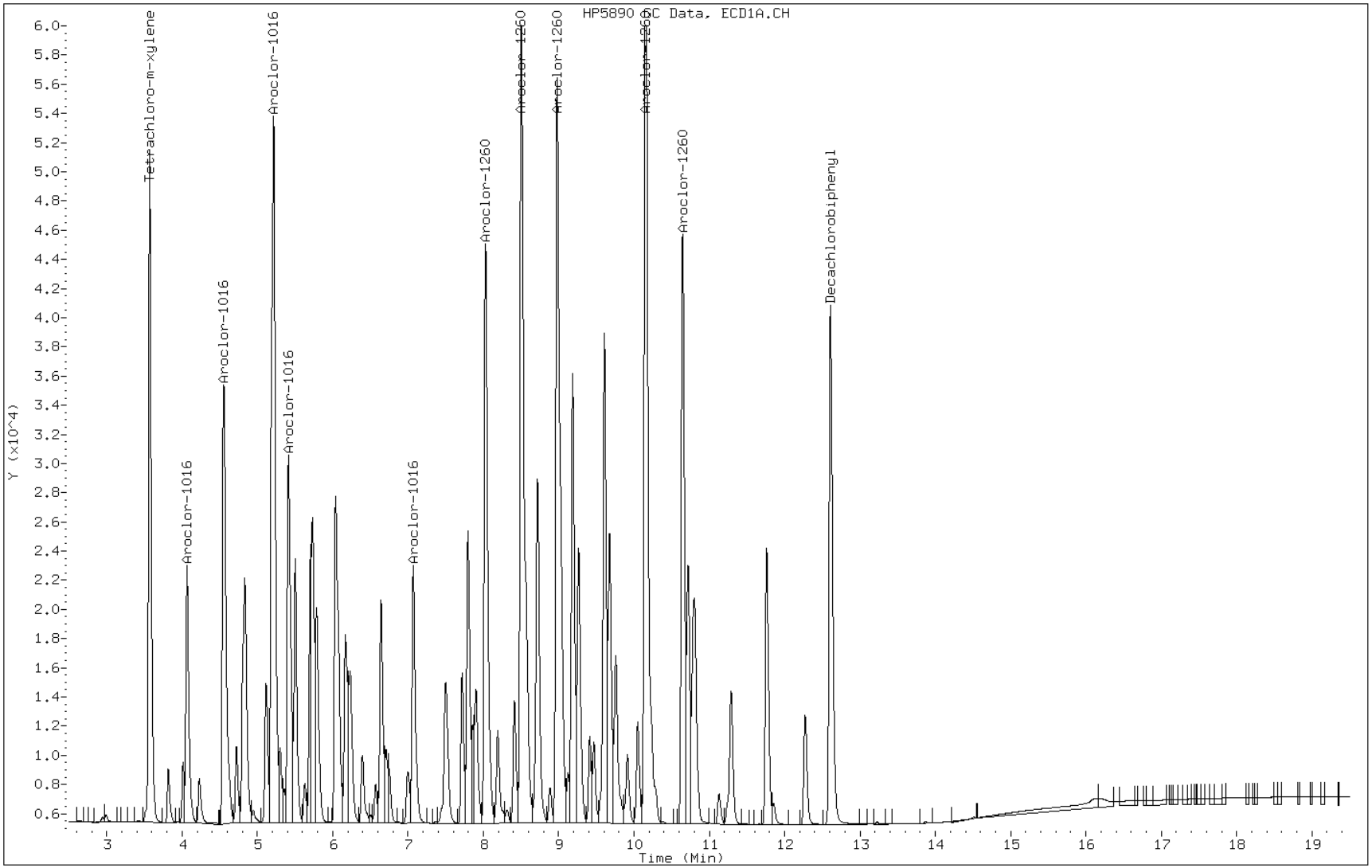
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8	
3.570	3.570	0.000	113556	25.0000	28.05	
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3	
12.610	12.616	-0.006	116661	25.0000	25.79	

Data File: 041F4101.D

Date: 14-APR-2012 04:29

Client ID: Instrument: GC_W.i

Sample Info: CCV-1356566 Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-113965/1-A

Matrix: Water | Lab File ID: 015F1501.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3510C | Date Extracted: 04/02/2012 17:50

Sample wt/vol: 1000(mL) | Date Analyzed: 04/13/2012 18:28

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 115556 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	0.30	U	1.0	0.30	0.12
11104-28-2	PCB-1221	0.30	U	1.0	0.30	0.21
11141-16-5	PCB-1232	0.40	U	1.0	0.40	0.17
53469-21-9	PCB-1242	0.30	U	1.0	0.30	0.10
12672-29-6	PCB-1248	0.20	U	1.0	0.20	0.092
11097-69-1	PCB-1254	0.30	U	1.0	0.30	0.11
11096-82-5	PCB-1260	0.30	U	1.0	0.30	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	98		40-135
877-09-8	Tetrachloro-m-xylene	93		25-120

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\015F1501.D
Lab Smp Id: MB 280-113965/1-A
Inj Date : 13-APR-2012 18:28
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342457,MB
Misc Info : MB 280-113965_1-A
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\8082W-1.m
Meth Date : 16-Apr-2012 07:59 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 15 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Vs) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume of Extract (uL)
Vs	1000.000	Volume of Sample Extracted (mL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

4 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/L)	TARGET RANGE	RATIO

5 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

6 Aroclor-1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

---

7 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

---

8 Aroclor-1268 CAS #:

Operator disabled compound identification.

---

9 Aroclor-1262 CAS #:

Peaks not detected for Quant. or Qual. signal(s).

$ 12 Tetrachloro-m-xylene						CAS #: 877-09-8	
3.566	3.570	-0.004	76143	18.6483	0.18648		

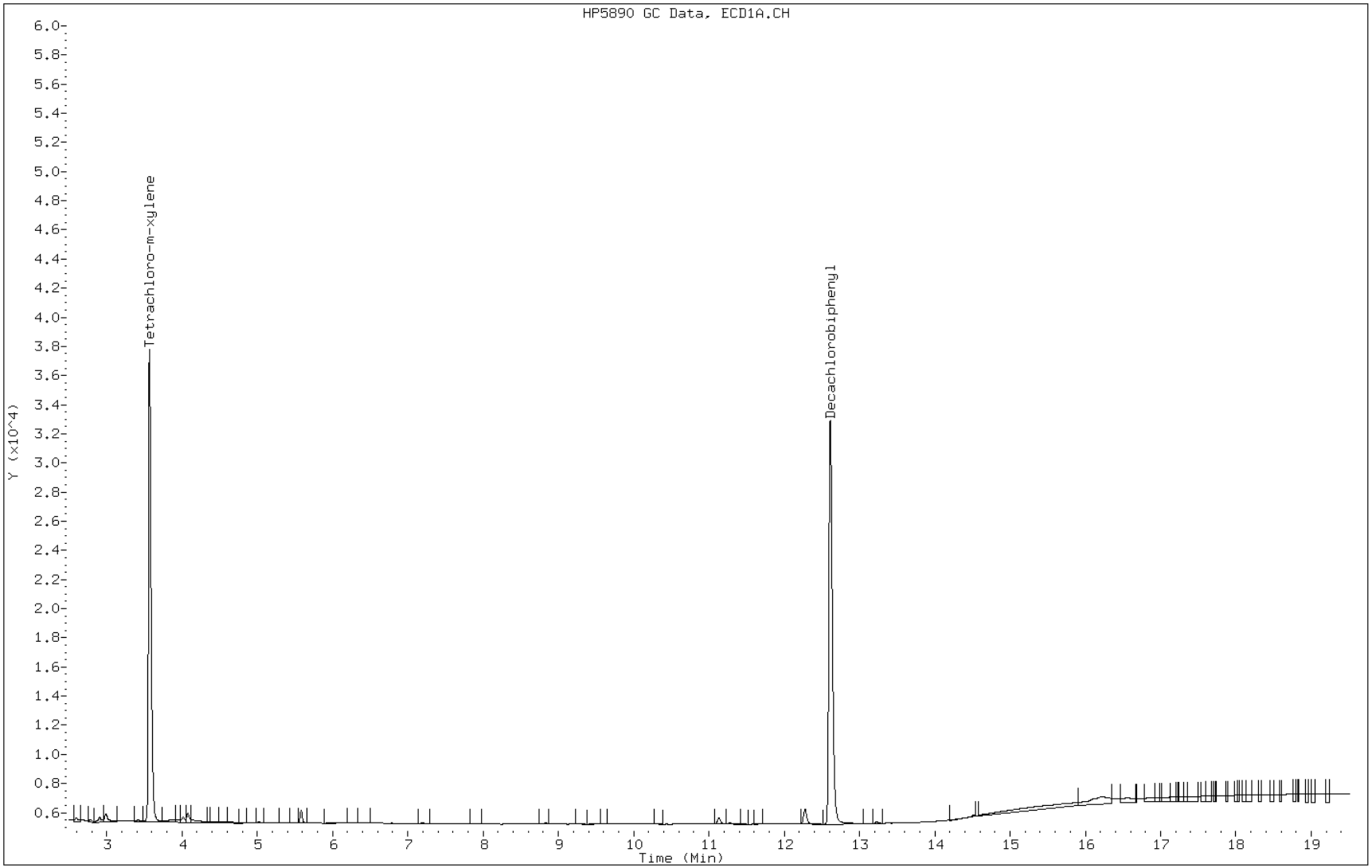
$ 13 Decachlorobiphenyl						CAS #: 2051-24-3	
12.613	12.616	-0.003	89220	19.5159	0.19516		

Data File: 015F1501.D

Date: 13-APR-2012 18:28

Client ID: Instrument: GC_W.i

Sample Info: 280-1342457,MB Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-113973/1-A

Matrix: Solid | Lab File ID: 020F2001.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.9(g) | Date Analyzed: 04/10/2012 16:55

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	9.1	U	30	9.1	4.6
11104-28-2	PCB-1221	18	U	30	18	14
11141-16-5	PCB-1232	9.1	U	30	9.1	4.7
53469-21-9	PCB-1242	9.1	U	30	9.1	8.3
12672-29-6	PCB-1248	9.1	U	30	9.1	5.1
11097-69-1	PCB-1254	9.1	U	30	9.1	5.0
11096-82-5	PCB-1260	9.1	U	30	9.1	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		59-130
877-09-8	Tetrachloro-m-xylene	95		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\020F2001.D
Lab Smp Id: MB 280-113973/1-A
Inj Date : 10-APR-2012 16:55
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342560,MB
Misc Info : MB 280-113973_1-A
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 20 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	32.900	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
1 Aroclor-1016					CAS #: 12674-11-2		

Operator disabled compound identification.

---

2 Aroclor-1221					CAS #: 11104-28-2		

Operator disabled compound identification.

---

3 Aroclor-1232					CAS #: 11141-16-5		

Operator disabled compound identification.

---

4 Aroclor-1242					CAS #: 53469-21-9		

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO

5 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

6 Aroclor-1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

---

7 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

---

8 Aroclor-1268 CAS #:

Operator disabled compound identification.

---

9 Aroclor-1262 CAS #:

Peaks not detected for Quant. or Qual. signal(s).

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.580	3.580	0.000	77352	18.9522	5.7606		

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

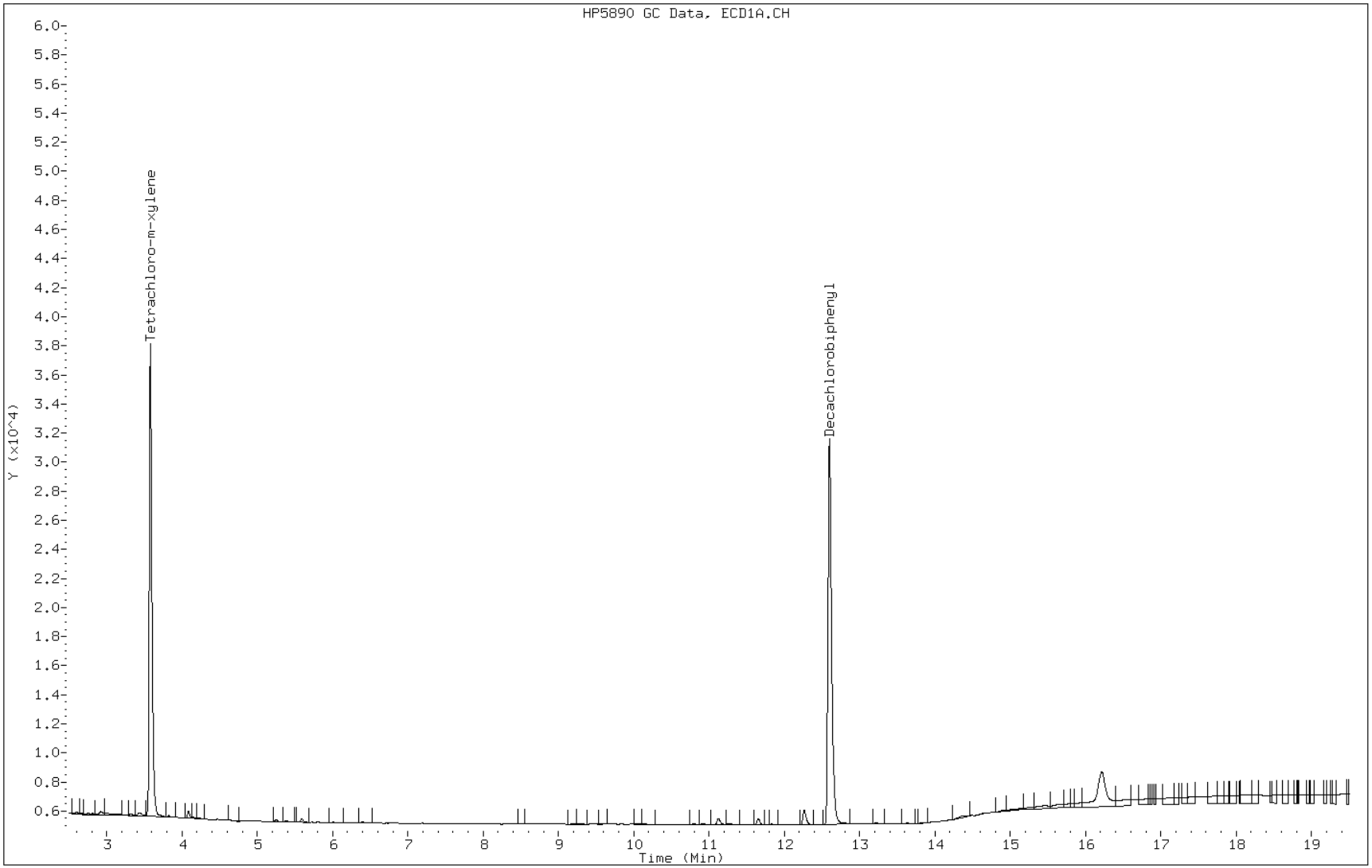
12.600	12.600	0.000	88737	19.4055	5.8983		

Data File: 020F2001.D

Date: 10-APR-2012 16:55

Client ID: Instrument: GC_W.i

Sample Info: 280-1342560,MB Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-113973/1-A

Matrix: Solid Lab File ID: 020F2001.D

Analysis Method: 8082 Date Collected:

Extraction Method: 3546 Date Extracted: 04/02/2012 17:20

Sample wt/vol: 32.9(g) Date Analyzed: 04/10/2012 16:55

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

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

Analysis Batch No.: 114993 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		59-130
877-09-8	Tetrachloro-m-xylene	102		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\020F2001.D
Lab Smp Id: MB 280-113973/1-A
Inj Date : 10-APR-2012 16:55
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342560,MB
Misc Info : MB 280-113973_1-A
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\8082W-2.m
Meth Date : 11-Apr-2012 12:13 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 20 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	32.900	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO

1 Aroclor-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

---

2 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

3 Aroclor-1232 CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

---

4 Aroclor-1242 CAS #: 53469-21-9

Peaks not detected for Quant. or Qual. signal(s).

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO

5 Aroclor-1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 Aroclor-1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

---

7 Aroclor-1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

---

8 Aroclor-1268 CAS #:

Peaks not detected for Quant. or Qual. signal(s).

---

9 Aroclor-1262 CAS #:

Peaks not detected for Quant. or Qual. signal(s).

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.640	3.640	0.000	63023	20.3081	6.1727		

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

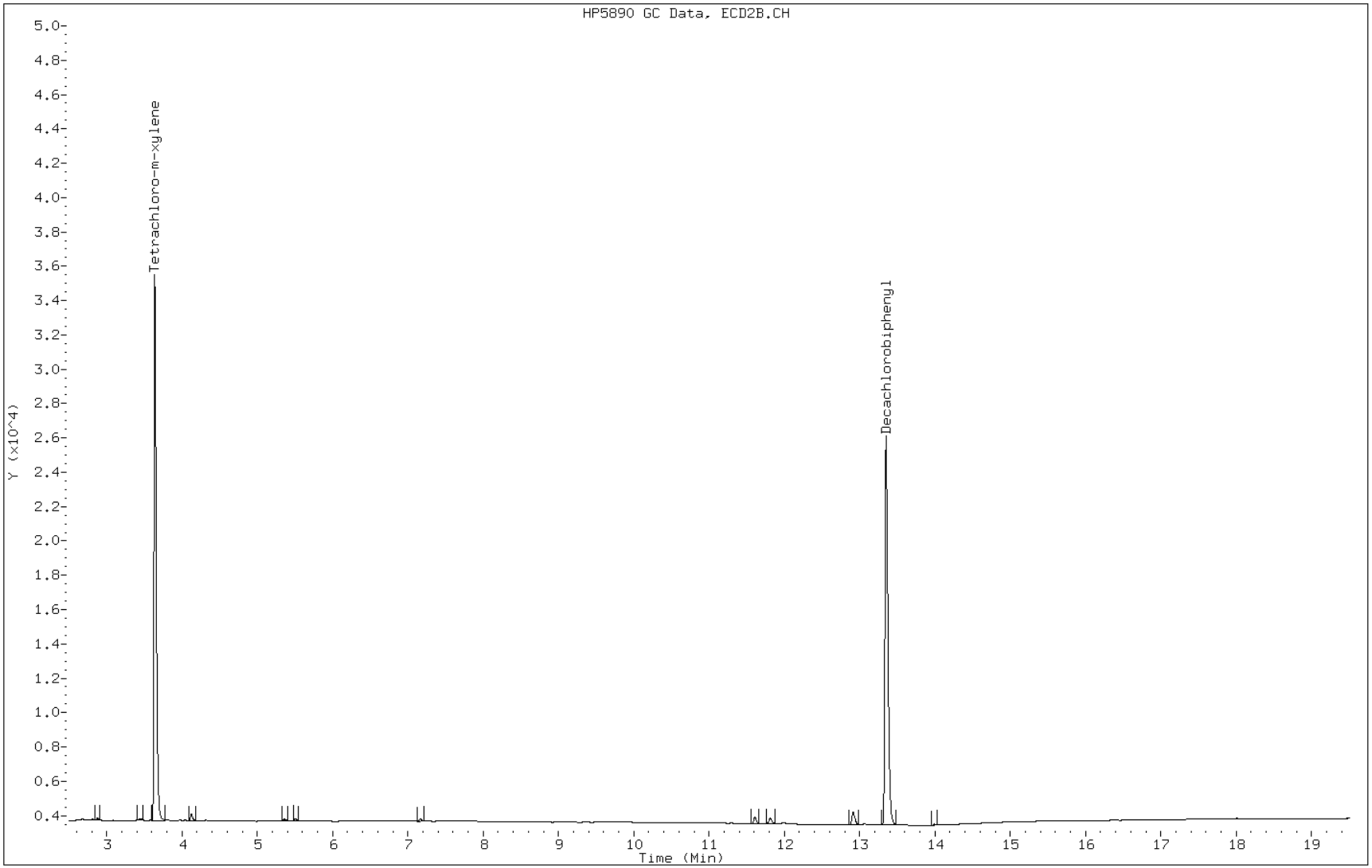
13.353	13.350	0.003	60877	19.3794	5.8904		

Data File: 020F2001.D

Date: 10-APR-2012 16:55

Client ID: Instrument: GC_W.i

Sample Info: 280-1342560,MB Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-113965/3-A

Matrix: Water Lab File ID: 016F1601.D

Analysis Method: 8082 Date Collected:

Extraction Method: 3510C Date Extracted: 04/02/2012 17:50

Sample wt/vol: 1000(mL) Date Analyzed: 04/13/2012 18:51

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 115556 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	2.15		1.0	0.30	0.12
11104-28-2	PCB-1221	0.30	U	1.0	0.30	0.21
11141-16-5	PCB-1232	0.40	U	1.0	0.40	0.17
53469-21-9	PCB-1242	0.30	U	1.0	0.30	0.10
12672-29-6	PCB-1248	0.20	U	1.0	0.20	0.092
11097-69-1	PCB-1254	0.30	U	1.0	0.30	0.11
11096-82-5	PCB-1260	2.12		1.0	0.30	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	100		40-135
877-09-8	Tetrachloro-m-xylene	99		25-120

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\016F1601.D
Lab Smp Id: LCS 280-113965/3-A
Inj Date : 13-APR-2012 18:51
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342459,LCS
Misc Info : LCS 280-113965_3-A
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0413121.B\8082W-1.m
Meth Date : 16-Apr-2012 07:59 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 16 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Vs) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Final Volume of Extract (uL)
Vs	1000.000	Volume of Sample Extracted (mL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.066	4.066	0.000	22449	248.072	2.4807	50.00- 150.00	100.00
4.553	4.556	-0.003	44339	229.164	2.2916	38.38- 115.14	197.51
5.216	5.220	-0.004	71979	213.609	2.1361	21.89- 65.67	320.63
5.413	5.416	-0.003	33299	220.206	2.2020	19.98- 59.94	148.33
7.070	7.073	-0.003	18348	166.261	1.6626	19.98- 59.94	81.73
Average of Peak Concentrations =					2.1546		

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2 Aroclor-1221 CAS #: 11104-28-2

Compound Not Detected

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3 Aroclor-1232 CAS #: 11141-16-5

Compound Not Detected

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/L)	TARGET RANGE	RATIO

4 Aroclor-1242 CAS #: 53469-21-9

Compound Not Detected

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5 Aroclor-1248 CAS #: 12672-29-6

Compound Not Detected

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6 Aroclor-1254 CAS #: 11097-69-1

Compound Not Detected

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7 Aroclor-1260 CAS #: 11096-82-5

8.033	8.036	-0.003	53086	215.831	2.1583	50.00- 150.00	100.00
8.510	8.510	0.000	82265	187.754	1.8775	79.28- 237.84	154.97
8.983	8.986	-0.003	76642	191.887	1.9189	38.87- 116.60	144.37
10.160	10.163	-0.003	108136	240.649	2.4065	40.33- 120.99	203.70
10.650	10.653	-0.003	50398	224.832	2.2483	22.45- 67.34	94.94

Average of Peak Concentrations = 2.1219

---

8 Aroclor-1268 CAS #:

Compound Not Detected

---

9 Aroclor-1262 CAS #:

Compound Not Detected

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.570	3.570	0.000	80534	19.7521	0.19752

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

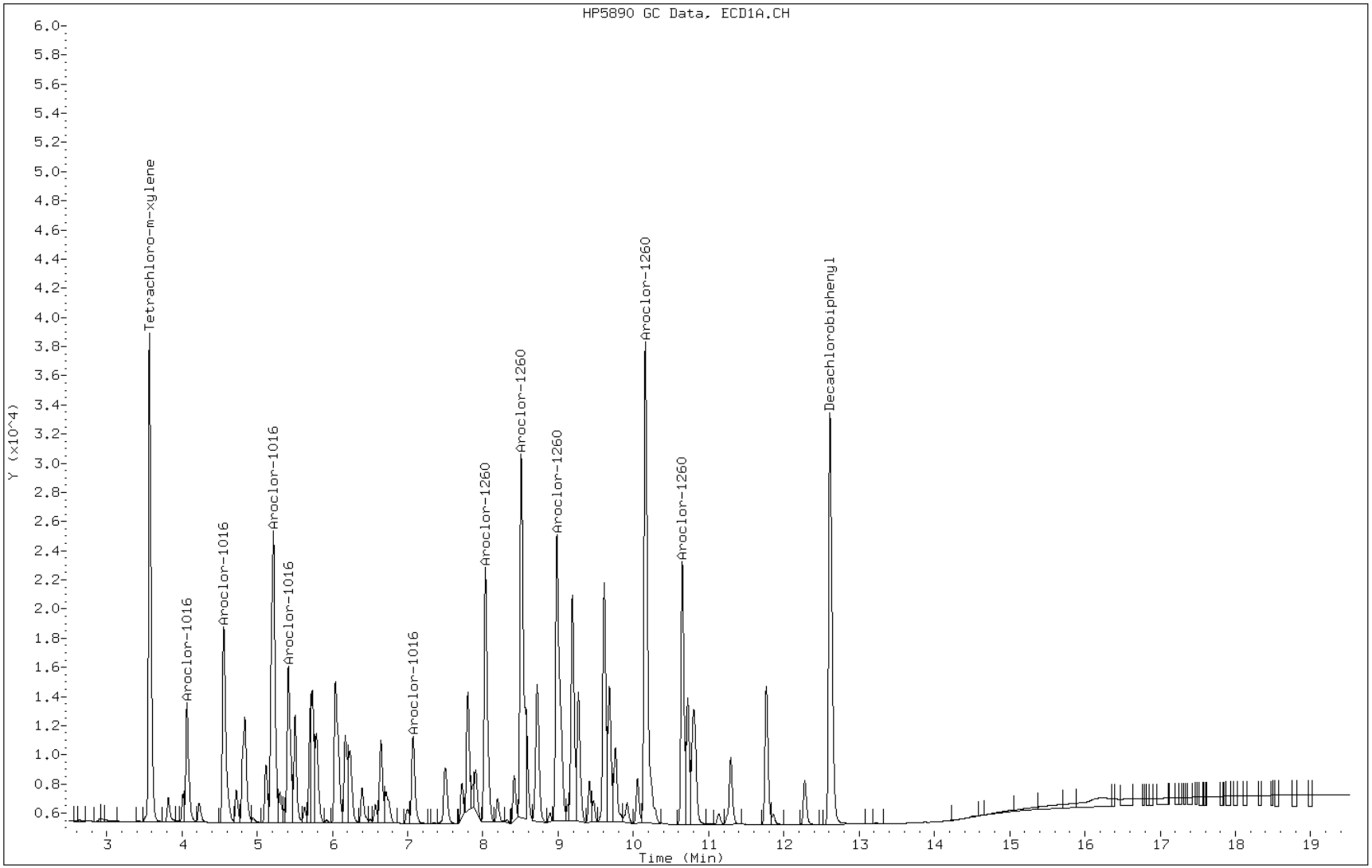
12.613	12.616	-0.003	91200	19.9684	0.19968

Data File: 016F1601.D

Date: 13-APR-2012 18:51

Client ID: Instrument: GC_W.i

Sample Info: 280-1342459,LCS Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-113973/3-A

Matrix: Solid | Lab File ID: 021F2101.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.4(g) | Date Analyzed: 04/10/2012 17:19

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	65.3		32	9.6	4.9
11104-28-2	PCB-1221	19	U	32	19	15
11141-16-5	PCB-1232	9.6	U	32	9.6	4.9
53469-21-9	PCB-1242	9.6	U	32	9.6	8.7
12672-29-6	PCB-1248	9.6	U	32	9.6	5.4
11097-69-1	PCB-1254	9.6	U	32	9.6	5.3
11096-82-5	PCB-1260	69.2		32	9.6	2.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		59-130
877-09-8	Tetrachloro-m-xylene	100		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\021F2101.D
Lab Smp Id: LCS 280-113973/3-A
Inj Date : 10-APR-2012 17:19
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342562,LCS
Misc Info : LCS 280-113973_3-A
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 21 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	31.400	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.076	4.073	0.003	21499	236.588	75.35	50.00- 150.00	100.00
4.563	4.560	0.003	41664	213.821	68.10	38.38- 115.14	193.80
5.223	5.223	0.000	69105	204.587	65.16	21.89- 65.67	321.43
5.420	5.420	0.000	31854	209.869	66.84	19.98- 59.94	148.17
7.076	7.073	0.003	17708	159.911	50.93	19.98- 59.94	82.37
		Average of Peak Concentrations =			65.27		
2 Aroclor-1221					CAS #: 11104-28-2		
Compound Not Detected							
3 Aroclor-1232					CAS #: 11141-16-5		
Compound Not Detected							

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO

4 Aroclor-1242 CAS #: 53469-21-9

Compound Not Detected

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5 Aroclor-1248 CAS #: 12672-29-6

Compound Not Detected

---

6 Aroclor-1254 CAS #: 11097-69-1

Compound Not Detected

---

7 Aroclor-1260 CAS #: 11096-82-5

8.033	8.030	0.003	53047	215.657	68.68	50.00- 150.00	100.00
8.506	8.506	0.000	93580	216.348	68.90	79.28- 237.84	176.41
8.980	8.976	0.004	76856	192.463	61.29	38.87- 116.60	144.88
10.153	10.150	0.003	108395	241.258	76.83	40.33- 120.99	204.34
10.640	10.640	0.000	49455	220.431	70.20	22.45- 67.34	93.23

Average of Peak Concentrations = 69.18

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8 Aroclor-1268 CAS #:

Compound Not Detected

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9 Aroclor-1262 CAS #:

Compound Not Detected

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.580	3.580	0.000	81885	20.0918	6.3986

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

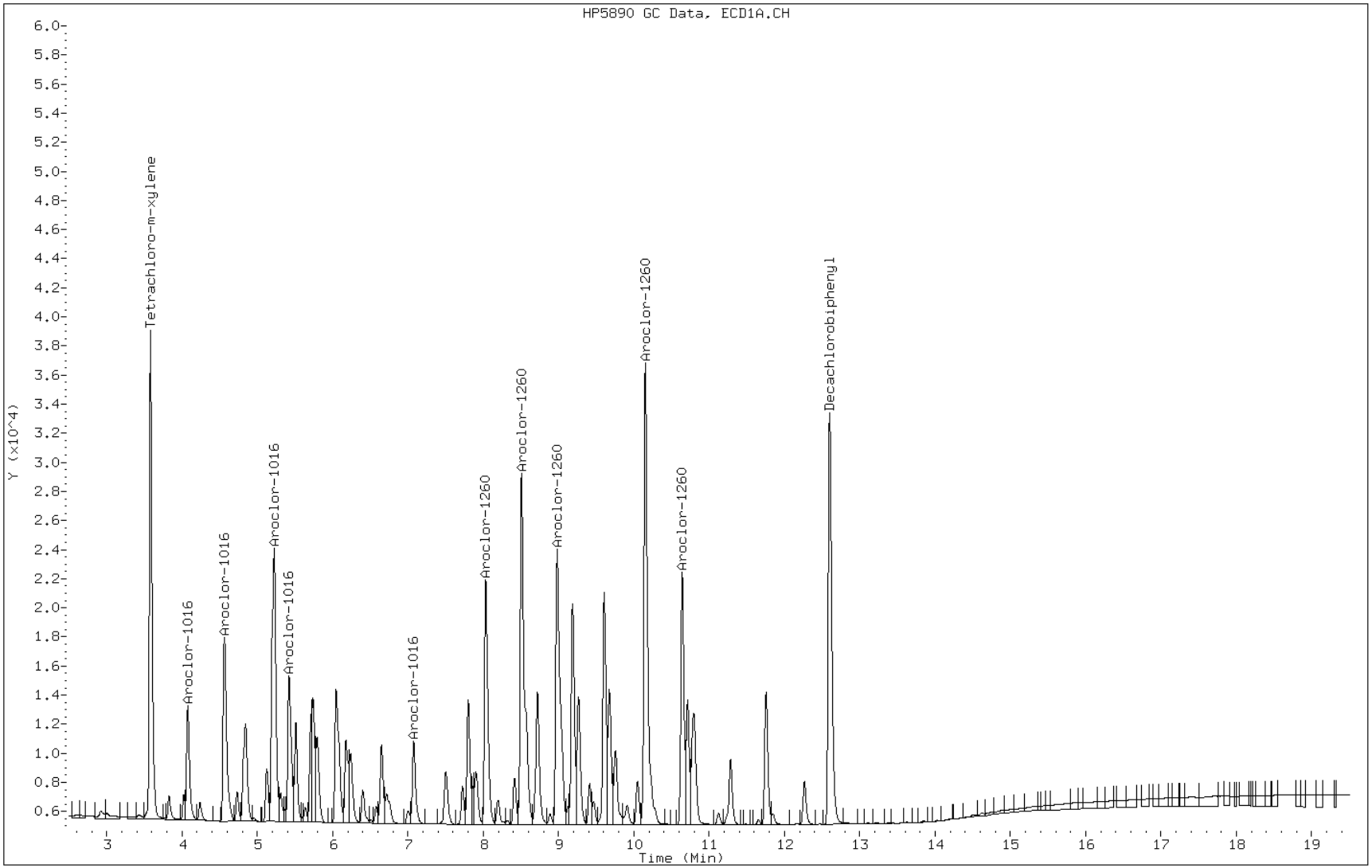
12.600	12.600	0.000	93510	20.4963	6.5275

Data File: 021F2101.D

Date: 10-APR-2012 17:19

Client ID: Instrument: GC_W.i

Sample Info: 280-1342562,LCS Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-113973/3-A

Matrix: Solid | Lab File ID: 021F2101.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 31.4(g) | Date Analyzed: 04/10/2012 17:19

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

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

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		59-130
877-09-8	Tetrachloro-m-xylene	103		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\021F2101.D
Lab Smp Id: LCS 280-113973/3-A
Inj Date : 10-APR-2012 17:19
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342562,LCS
Misc Info : LCS 280-113973_3-A
Comment :
Method : \\DenSvr03\Public\chem\GCS\GC_W.i\0410122.B\8082W-2.m
Meth Date : 11-Apr-2012 12:13 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 21 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	31.400	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
	1 Aroclor-1016				CAS #: 12674-11-2		
4.300	4.296	0.004	15552	240.752	76.67	50.00- 150.00	100.00
5.523	5.520	0.003	55572	220.051	70.08	96.02- 288.05	357.33
5.723	5.723	0.000	26945	216.397	68.92	157.72- 473.17	173.26
6.453	6.453	0.000	18990	215.464	68.62	64.46- 193.39	122.11
6.643	6.643	0.000	23044	239.079	76.14	63.32- 189.95	148.17
		Average of Peak Concentrations =			72.08		

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	2 Aroclor-1221				CAS #: 11104-28-2		

Compound Not Detected

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	3 Aroclor-1232				CAS #: 11141-16-5		

Compound Not Detected

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO

4 Aroclor-1242 CAS #: 53469-21-9

Compound Not Detected

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5 Aroclor-1248 CAS #: 12672-29-6

Compound Not Detected

---

6 Aroclor-1254 CAS #: 11097-69-1

Compound Not Detected

---

7 Aroclor-1260 CAS #: 11096-82-5

8.550	8.546	0.004	42310	212.946	67.82	50.00- 150.00	100.00
8.923	8.923	0.000	47467	221.974	70.69	54.39- 163.17	112.19
9.526	9.526	0.000	59477	199.258	63.46	32.96- 98.87	140.57
10.200	10.196	0.004	37911	247.726	78.89	65.36- 196.07	89.60
11.293	11.293	0.000	52694	234.841	74.79	16.03- 48.08	124.54

Average of Peak Concentrations = 71.13

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8 Aroclor-1268 CAS #:

Compound Not Detected

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9 Aroclor-1262 CAS #:

Compound Not Detected

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.640	3.640	0.000	63803	20.5632	6.5488

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

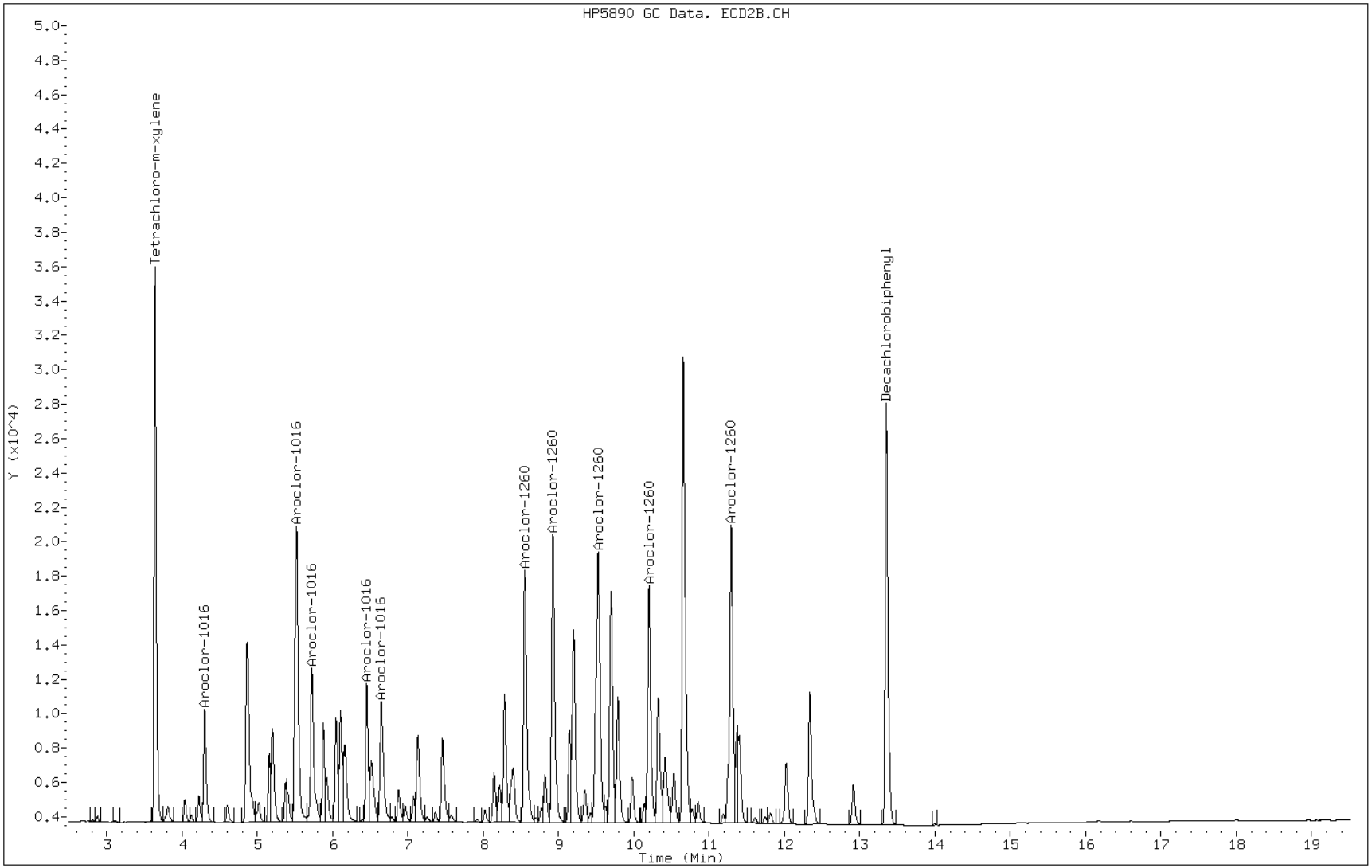
13.353	13.350	0.003	64989	20.7528	6.6092

Data File: 021F2101.D

Date: 10-APR-2012 17:19

Client ID: Instrument: GC_W.i

Sample Info: 280-1342562,LCS Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA MS Lab Sample ID: 280-27123-3 MS

Matrix: Solid Lab File ID: 026F2601.D

Analysis Method: 8082 Date Collected: 03/27/2012 10:45

Extraction Method: 3546 Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.7(g) Date Analyzed: 04/10/2012 19:14

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	62.1		50	15	7.7
11104-28-2	PCB-1221	30	U	50	30	24
11141-16-5	PCB-1232	15	U	50	15	7.7
53469-21-9	PCB-1242	15	U	50	15	14
12672-29-6	PCB-1248	15	U	50	15	8.5
11097-69-1	PCB-1254	15	U	50	15	8.3
11096-82-5	PCB-1260	39.8	J	50	15	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	60		59-130
877-09-8	Tetrachloro-m-xylene	60		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\026F2601.D
Lab Smp Id: 280-27123-A-3-I MS Client Smp ID: UNK10301AA
Inj Date : 10-APR-2012 19:14
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342568,03ms
Misc Info : 280-27123-A-3-I MS
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 26 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	30.700	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.076	4.073	0.003	16182	172.314	56.13	50.00- 150.00	100.00
4.563	4.560	0.003	29717	145.296	47.33	38.38- 115.14	183.64
5.223	5.223	0.000	38793	109.434	35.65	21.89- 65.67	239.73
5.420	5.420	0.000	18860	116.917	38.08	19.98- 59.94	116.55
7.073	7.073	0.000	8903	72.5401	23.63	19.98- 59.94	55.02
		Average of Peak Concentrations =			40.16		
2 Aroclor-1221					CAS #: 11104-28-2		
Compound Not Detected							
3 Aroclor-1232					CAS #: 11141-16-5		
Compound Not Detected							

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO

4 Aroclor-1242 CAS #: 53469-21-9

Compound Not Detected

---

5 Aroclor-1248 CAS #: 12672-29-6

Compound Not Detected

---

6 Aroclor-1254 CAS #: 11097-69-1

Compound Not Detected

---

7 Aroclor-1260 CAS #: 11096-82-5

8.030	8.030	0.000	29339	109.857	35.78	50.00- 150.00	100.00(R)
8.503	8.506	-0.003	35053	68.4493	22.30	79.28- 237.84	119.48
8.976	8.976	0.000	27078	58.6605	19.11	38.87- 116.60	92.29
10.150	10.150	0.000	41165	83.1498	27.08	40.33- 120.99	140.31
10.636	10.640	-0.004	18332	75.1764	24.49	22.45- 67.34	62.48

Average of Peak Concentrations = 25.75

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8 Aroclor-1268 CAS #:

Compound Not Detected

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9 Aroclor-1262 CAS #:

Compound Not Detected

$ 12 Tetrachloro-m-xylene CAS #: 877-09-8

3.580	3.580	0.000	50085	12.0976	3.9406

$ 13 Decachlorobiphenyl CAS #: 2051-24-3

12.596	12.600	-0.004	56573	12.0547	3.9266

QC Flag Legend

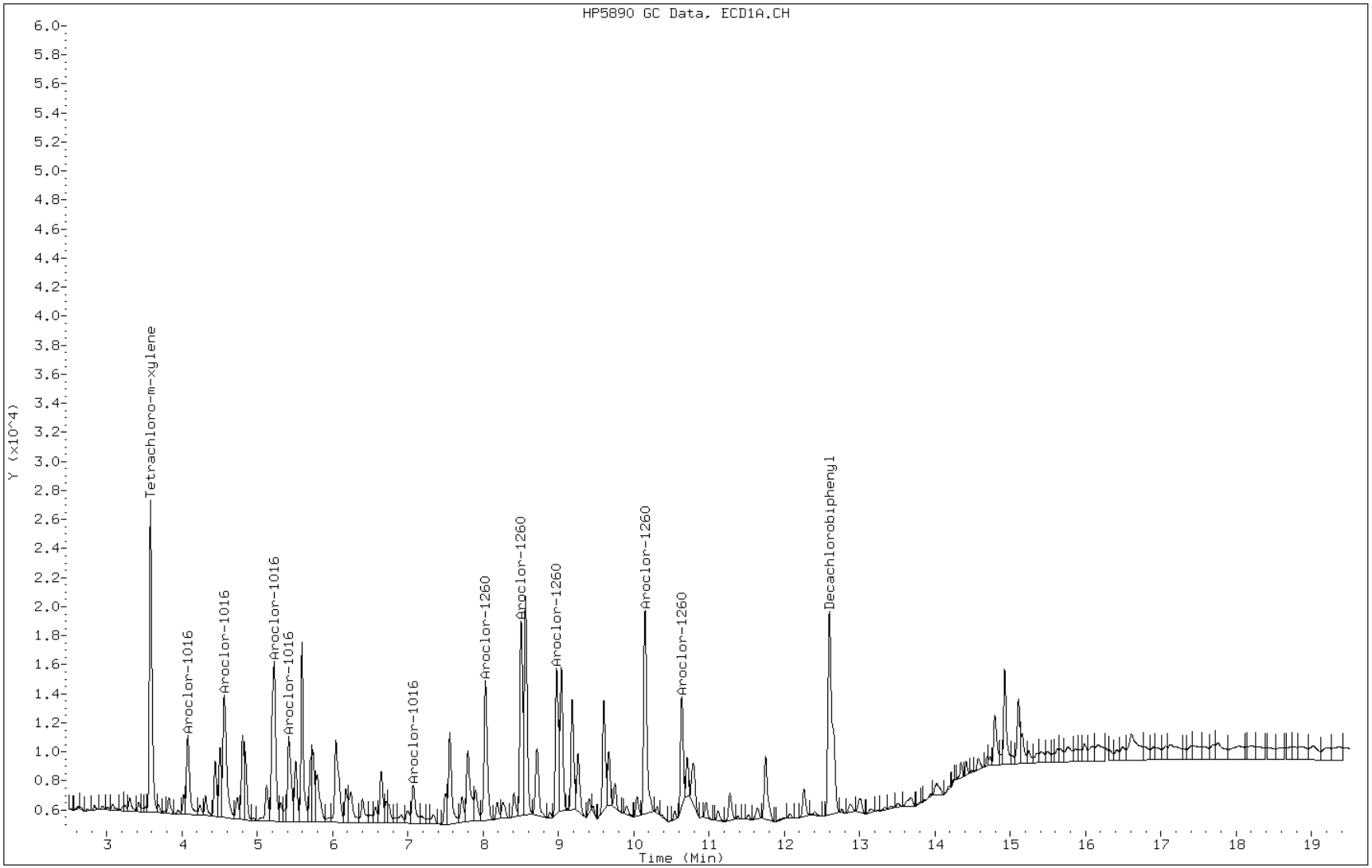
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Data File: 026F2601.D

Date: 10-APR-2012 19:14

Client ID: UNK10301AA Instrument: GC_W.i

Sample Info: 280-1342568,03ms Operator: JAX



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Client Sample ID: UNK10301AA MSD | Lab Sample ID: 280-27123-3 MSD

Matrix: Solid | Lab File ID: 027F2701.D

Analysis Method: 8082 | Date Collected: 03/27/2012 10:45

Extraction Method: 3546 | Date Extracted: 04/02/2012 17:20

Sample wt/vol: 30.7(g) | Date Analyzed: 04/10/2012 19:37

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 35.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 114993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	76.2	Q	50	15	7.7
11104-28-2	PCB-1221	30	U Q	50	30	24
11141-16-5	PCB-1232	15	U Q	50	15	7.7
53469-21-9	PCB-1242	15	U Q	50	15	14
12672-29-6	PCB-1248	15	U Q	50	15	8.5
11097-69-1	PCB-1254	15	U Q	50	15	8.3
11096-82-5	PCB-1260	50.6	Q J	50	15	4.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	49	Q	59-130
877-09-8	Tetrachloro-m-xylene	65		53-128

TestAmerica

Data file : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\027F2701.D
Lab Smp Id: 280-27123-A-3-J MSD Client Smp ID: UNK10301AA
Inj Date : 10-APR-2012 19:37
Operator : JAX Inst ID: GC_W.i
Smp Info : 280-1342569,03sd
Misc Info : 280-27123-A-3-J MSD
Comment   :
Method   : \\DenSvr03\Public\chem\GCS\GC_W.i\0410121.B\8082W-1.m
Meth Date : 11-Apr-2012 09:33 GC_W.i Quant Type: ESTD
Cal Date : 05-JAN-2012 01:13 Cal File: 033F3301.D
Als bottle: 27 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Full-list.sub
Target Version: 4.14 Sample Matrix: SOLID
Processing Host: DENPC377

Concentration Formula: Amt * DF * Uf * (Vf/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.00100	Unit Correction Factor (ug/ng)
Vf	10000.000	Volume of Final Extract (uL)
Ws	30.700	Weight of Sample Extracted (g)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.076	4.073	0.003	21705	239.078	77.88	50.00- 150.00	100.00
4.563	4.560	0.003	33320	165.962	54.06	38.38- 115.14	153.51
5.223	5.223	0.000	43713	124.878	40.68	21.89- 65.67	201.40
5.420	5.420	0.000	21538	136.074	44.32	19.98- 59.94	99.23
7.070	7.073	-0.003	10784	91.2049	29.71	19.98- 59.94	49.68
		Average of Peak Concentrations =			49.33		

2 Aroclor-1221 CAS #: 11104-28-2

Compound Not Detected

3 Aroclor-1232 CAS #: 11141-16-5

Compound Not Detected

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
4 Aroclor-1242					CAS #: 53469-21-9		
Compound Not Detected							
5 Aroclor-1248					CAS #: 12672-29-6		
Compound Not Detected							
6 Aroclor-1254					CAS #: 11097-69-1		
Compound Not Detected							
7 Aroclor-1260					CAS #: 11096-82-5		
8.026	8.030	-0.004	35210	136.057	44.32	50.00- 150.00	100.00(R)
8.503	8.506	-0.003	43092	88.7639	28.91	79.28- 237.84	122.39
8.973	8.976	-0.003	34387	78.3070	25.51	38.87- 116.60	97.66
10.146	10.150	-0.004	46728	96.2326	31.35	40.33- 120.99	132.71
10.636	10.640	-0.004	24318	103.114	33.59	22.45- 67.34	69.07
Average of Peak Concentrations =					32.73		
8 Aroclor-1268					CAS #:		
Compound Not Detected							
9 Aroclor-1262					CAS #:		
Compound Not Detected							
$ 12 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.580	3.580	0.000	53531	12.9639	4.2228		
$ 13 Decachlorobiphenyl					CAS #: 2051-24-3		
12.600	12.600	0.000	46307	9.70850	3.1624		(R)

QC Flag Legend

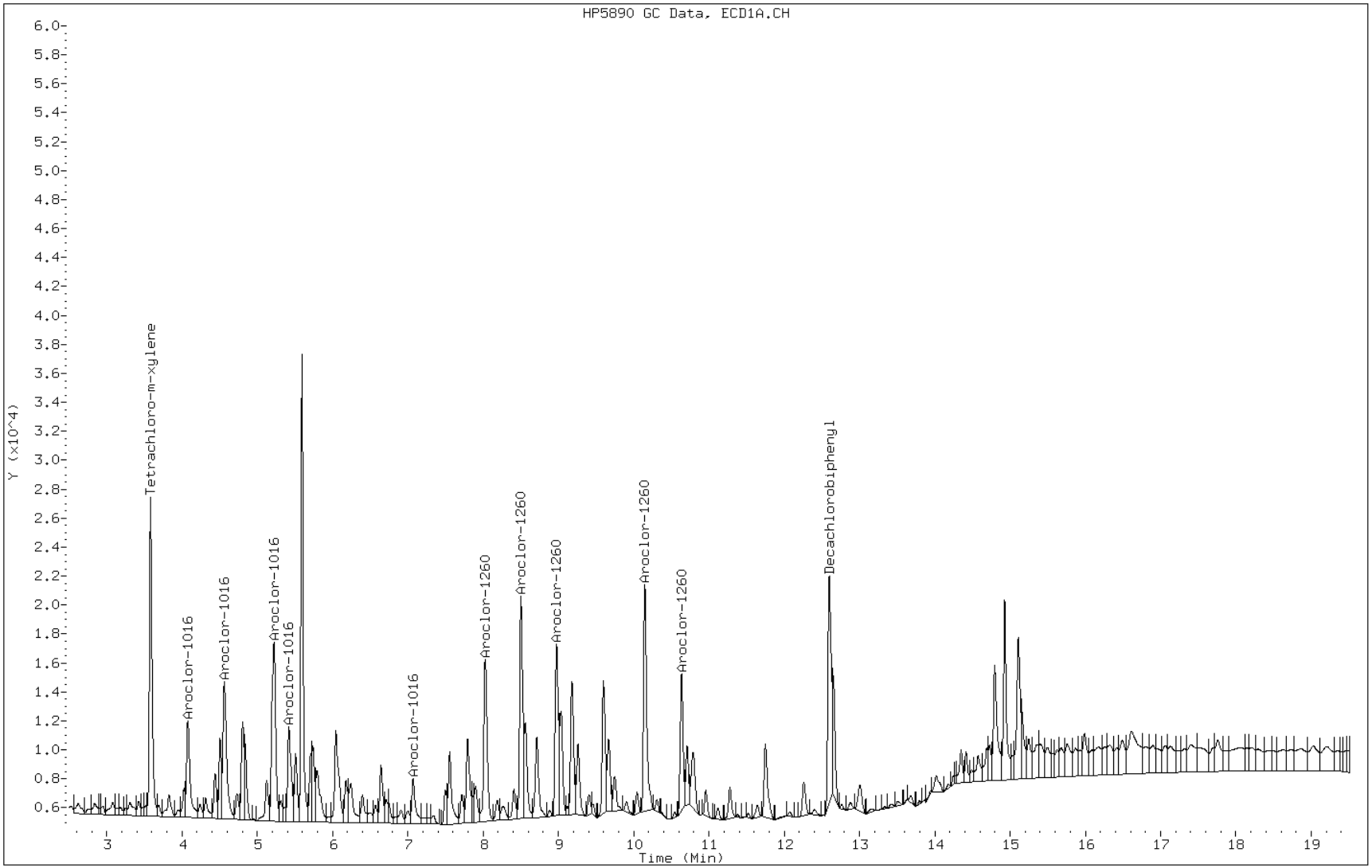
R - Spike/Surrogate failed recovery limits.

Data File: 027F2701.D

Date: 10-APR-2012 19:37

Client ID: UNK10301AA Instrument: GC_W.i

Sample Info: 280-1342569,03sd Operator: JAX



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_W Start Date: 04/07/2012 14:10

Analysis Batch Number: 114734 End Date: 04/08/2012 05:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 280-114734/1		04/07/2012 14:10	1	001F0101.D	CLP1 0.32(mm)
IC 280-114734/1		04/07/2012 14:10	1	001F0101.D	CLP2 0.32(mm)
IC 280-114734/2		04/07/2012 14:33	1	002F0201.D	CLP1 0.32(mm)
IC 280-114734/2		04/07/2012 14:33	1	002F0201.D	CLP2 0.32(mm)
IC 280-114734/3		04/07/2012 14:56	1	003F0301.D	CLP1 0.32(mm)
IC 280-114734/3		04/07/2012 14:56	1	003F0301.D	CLP2 0.32(mm)
IC 280-114734/4		04/07/2012 15:19	1	004F0401.D	CLP1 0.32(mm)
IC 280-114734/4		04/07/2012 15:19	1	004F0401.D	CLP2 0.32(mm)
IC 280-114734/5		04/07/2012 15:42	1	005F0501.D	CLP1 0.32(mm)
IC 280-114734/5		04/07/2012 15:42	1	005F0501.D	CLP2 0.32(mm)
IC 280-114734/6		04/07/2012 16:06	1	006F0601.D	CLP1 0.32(mm)
IC 280-114734/6		04/07/2012 16:06	1	006F0601.D	CLP2 0.32(mm)
IC 280-114734/7		04/07/2012 16:29	1	007F0701.D	CLP1 0.32(mm)
IC 280-114734/7		04/07/2012 16:29	1	007F0701.D	CLP2 0.32(mm)
IC 280-114734/8		04/07/2012 16:52	1	008F0801.D	CLP1 0.32(mm)
IC 280-114734/8		04/07/2012 16:52	1	008F0801.D	CLP2 0.32(mm)
IC 280-114734/9		04/07/2012 17:15	1	009F0901.D	CLP1 0.32(mm)
IC 280-114734/9		04/07/2012 17:15	1	009F0901.D	CLP2 0.32(mm)
IC 280-114734/10		04/07/2012 17:38	1	010F1001.D	CLP1 0.32(mm)
IC 280-114734/10		04/07/2012 17:38	1	010F1001.D	CLP2 0.32(mm)
IC 280-114734/11		04/07/2012 18:01	1	011F1101.D	CLP1 0.32(mm)
IC 280-114734/11		04/07/2012 18:01	1	011F1101.D	CLP2 0.32(mm)
IC 280-114734/12		04/07/2012 18:24	1	012F1201.D	CLP1 0.32(mm)
IC 280-114734/12		04/07/2012 18:24	1	012F1201.D	CLP2 0.32(mm)
IC 280-114734/13		04/07/2012 18:47	1	013F1301.D	CLP1 0.32(mm)
IC 280-114734/13		04/07/2012 18:47	1	013F1301.D	CLP2 0.32(mm)
IC 280-114734/14		04/07/2012 19:10	1	014F1401.D	CLP1 0.32(mm)
IC 280-114734/14		04/07/2012 19:10	1	014F1401.D	CLP2 0.32(mm)
IC 280-114734/15		04/07/2012 19:33	1	015F1501.D	CLP1 0.32(mm)
IC 280-114734/15		04/07/2012 19:33	1	015F1501.D	CLP2 0.32(mm)
IC 280-114734/16		04/07/2012 19:56	1	016F1601.D	CLP1 0.32(mm)
IC 280-114734/16		04/07/2012 19:56	1	016F1601.D	CLP2 0.32(mm)
ICRT 280-114734/17		04/07/2012 20:20	1	017F1701.D	CLP1 0.32(mm)
ICRT 280-114734/17		04/07/2012 20:20	1	017F1701.D	CLP2 0.32(mm)
IC 280-114734/18		04/07/2012 20:42	1	018F1801.D	CLP1 0.32(mm)
IC 280-114734/18		04/07/2012 20:42	1	018F1801.D	CLP2 0.32(mm)
IC 280-114734/19		04/07/2012 21:05	1	019F1901.D	CLP1 0.32(mm)
IC 280-114734/19		04/07/2012 21:05	1	019F1901.D	CLP2 0.32(mm)
IC 280-114734/20		04/07/2012 21:29	1	020F2001.D	CLP1 0.32(mm)
IC 280-114734/20		04/07/2012 21:29	1	020F2001.D	CLP2 0.32(mm)
IC 280-114734/21		04/07/2012 21:52	1	021F2101.D	CLP1 0.32(mm)
IC 280-114734/21		04/07/2012 21:52	1	021F2101.D	CLP2 0.32(mm)
IC 280-114734/22		04/07/2012 22:15	1	022F2201.D	CLP1 0.32(mm)
IC 280-114734/22		04/07/2012 22:15	1	022F2201.D	CLP2 0.32(mm)
IC 280-114734/23		04/07/2012 22:38	1	023F2301.D	CLP1 0.32(mm)

8082

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_W Start Date: 04/07/2012 14:10

Analysis Batch Number: 114734 End Date: 04/08/2012 05:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 280-114734/23		04/07/2012 22:38	1	023F2301.D	CLP2 0.32(mm)
IC 280-114734/24		04/07/2012 23:01	1	024F2401.D	CLP1 0.32(mm)
IC 280-114734/24		04/07/2012 23:01	1	024F2401.D	CLP2 0.32(mm)
IC 280-114734/25		04/07/2012 23:24	1	025F2501.D	CLP1 0.32(mm)
IC 280-114734/25		04/07/2012 23:24	1	025F2501.D	CLP2 0.32(mm)
IC 280-114734/26		04/07/2012 23:47	1	026F2601.D	CLP1 0.32(mm)
IC 280-114734/26		04/07/2012 23:47	1	026F2601.D	CLP2 0.32(mm)
IC 280-114734/27		04/08/2012 00:10	1	027F2701.D	CLP1 0.32(mm)
IC 280-114734/27		04/08/2012 00:10	1	027F2701.D	CLP2 0.32(mm)
IC 280-114734/28		04/08/2012 00:33	1	028F2801.D	CLP1 0.32(mm)
IC 280-114734/28		04/08/2012 00:33	1	028F2801.D	CLP2 0.32(mm)
IC 280-114734/29		04/08/2012 00:56	1	029F2901.D	CLP1 0.32(mm)
IC 280-114734/29		04/08/2012 00:56	1	029F2901.D	CLP2 0.32(mm)
IC 280-114734/30		04/08/2012 01:19	1	030F3001.D	CLP1 0.32(mm)
IC 280-114734/30		04/08/2012 01:19	1	030F3001.D	CLP2 0.32(mm)
IC 280-114734/31		04/08/2012 01:42	1	031F3101.D	CLP1 0.32(mm)
IC 280-114734/31		04/08/2012 01:42	1	031F3101.D	CLP2 0.32(mm)
IC 280-114734/32		04/08/2012 02:06	1	032F3201.D	CLP1 0.32(mm)
IC 280-114734/32		04/08/2012 02:06	1	032F3201.D	CLP2 0.32(mm)
IC 280-114734/33		04/08/2012 02:28	1	033F3301.D	CLP1 0.32(mm)
IC 280-114734/33		04/08/2012 02:28	1	033F3301.D	CLP2 0.32(mm)
IC 280-114734/34		04/08/2012 02:51	1	034F3401.D	CLP1 0.32(mm)
IC 280-114734/34		04/08/2012 02:51	1	034F3401.D	CLP2 0.32(mm)
IC 280-114734/35		04/08/2012 03:14	1	035F3501.D	CLP1 0.32(mm)
IC 280-114734/35		04/08/2012 03:14	1	035F3501.D	CLP2 0.32(mm)
ICV 280-114734/36		04/08/2012 03:38	1	036F3601.D	CLP1 0.32(mm)
ICV 280-114734/36		04/08/2012 03:38	1	036F3601.D	CLP2 0.32(mm)
ICV 280-114734/37		04/08/2012 04:01	1	037F3701.D	CLP1 0.32(mm)
ICV 280-114734/37		04/08/2012 04:01	1	037F3701.D	CLP2 0.32(mm)
ICV 280-114734/38		04/08/2012 04:24	1	038F3801.D	CLP1 0.32(mm)
ICV 280-114734/38		04/08/2012 04:24	1	038F3801.D	CLP2 0.32(mm)
ICV 280-114734/39		04/08/2012 04:47	1	039F3901.D	CLP1 0.32(mm)
ICV 280-114734/39		04/08/2012 04:47	1	039F3901.D	CLP2 0.32(mm)
ICV 280-114734/40		04/08/2012 05:10	1	040F4001.D	CLP1 0.32(mm)
ICV 280-114734/40		04/08/2012 05:10	1	040F4001.D	CLP2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_W Start Date: 04/10/2012 10:22

Analysis Batch Number: 114993 End Date: 04/11/2012 12:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 280-114993/1		04/10/2012 10:22	1	003F0301.D	CLP1 0.32(mm)
CCVRT 280-114993/1		04/10/2012 10:22	1	003F0301.D	CLP2 0.32(mm)
ZZZZZ		04/10/2012 12:41	1		CLP1 0.32(mm)
ZZZZZ		04/10/2012 13:04	1		CLP1 0.32(mm)
ZZZZZ		04/10/2012 13:27	1		CLP1 0.32(mm)
ZZZZZ		04/10/2012 13:50	1		CLP1 0.32(mm)
ZZZZZ		04/10/2012 14:13	1		CLP1 0.32(mm)
CCV 280-114993/7		04/10/2012 14:37	1	014F1401.D	CLP1 0.32(mm)
CCV 280-114993/7		04/10/2012 14:37	1	014F1401.D	CLP2 0.32(mm)
ZZZZZ		04/10/2012 15:00	1		CLP1 0.32(mm)
ZZZZZ		04/10/2012 15:23	1		CLP1 0.32(mm)
ZZZZZ		04/10/2012 15:46	1		CLP1 0.32(mm)
ZZZZZ		04/10/2012 16:09	1		CLP1 0.32(mm)
ZZZZZ		04/10/2012 16:32	1		CLP1 0.32(mm)
MB 280-113973/1-A		04/10/2012 16:55	1	020F2001.D	CLP1 0.32(mm)
MB 280-113973/1-A		04/10/2012 16:55	1	020F2001.D	CLP2 0.32(mm)
LCS 280-113973/3-A		04/10/2012 17:19	1	021F2101.D	CLP1 0.32(mm)
LCS 280-113973/3-A		04/10/2012 17:19	1	021F2101.D	CLP2 0.32(mm)
280-27123-1	UNK10101AA	04/10/2012 17:42	1	022F2201.D	CLP1 0.32(mm)
280-27123-2	UNK10201AA	04/10/2012 18:05	1	023F2301.D	CLP1 0.32(mm)
280-27123-3	UNK10301AA	04/10/2012 18:28	1	024F2401.D	CLP1 0.32(mm)
CCV 280-114993/18		04/10/2012 18:51	1	025F2501.D	CLP1 0.32(mm)
CCV 280-114993/18		04/10/2012 18:51	1	025F2501.D	CLP2 0.32(mm)
280-27123-3 MS	UNK10301AA MS	04/10/2012 19:14	1	026F2601.D	CLP1 0.32(mm)
280-27123-3 MSD	UNK10301AA MSD	04/10/2012 19:37	1	027F2701.D	CLP1 0.32(mm)
280-27123-4	UNK10401AA	04/10/2012 20:00	1	028F2801.D	CLP1 0.32(mm)
280-27123-5	UNK10501AA	04/10/2012 20:23	1	029F2901.D	CLP1 0.32(mm)
280-27123-6	UNK10502AA	04/10/2012 20:46	1	030F3001.D	CLP1 0.32(mm)
280-27123-7	UNK10601AA	04/10/2012 21:09	1	031F3101.D	CLP1 0.32(mm)
280-27123-8	UNK10602AA	04/10/2012 21:32	1	032F3201.D	CLP1 0.32(mm)
280-27123-9	UNK10701AA	04/10/2012 21:55	1	033F3301.D	CLP1 0.32(mm)
280-27123-9	UNK10701AA	04/10/2012 21:55	1	033F3301.D	CLP2 0.32(mm)
280-27123-10	UNK10702AA	04/10/2012 22:19	1	034F3401.D	CLP1 0.32(mm)
ZZZZZ		04/10/2012 22:42	1		CLP1 0.32(mm)
CCV 280-114993/29		04/10/2012 23:05	1	036F3601.D	CLP1 0.32(mm)
CCV 280-114993/29		04/10/2012 23:05	1	036F3601.D	CLP2 0.32(mm)
ZZZZZ		04/10/2012 23:28	1		CLP1 0.32(mm)
ZZZZZ		04/10/2012 23:51	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 00:14	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 00:37	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 01:00	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 08:18	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 08:41	1		CLP1 0.32(mm)
CCV 280-114993/37		04/11/2012 09:04	1		CLP1 0.32(mm)
CCV 280-114993/37		04/11/2012 09:04	1		CLP2 0.32(mm)

8082

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_W Start Date: 04/10/2012 10:22

Analysis Batch Number: 114993 End Date: 04/11/2012 12:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/11/2012 09:27	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 09:27	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 09:51	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 09:51	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 10:14	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 10:14	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 10:37	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 10:37	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 11:57	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 11:57	1		CLP2 0.32(mm)
ZZZZZ		04/11/2012 12:20	1		CLP1 0.32(mm)
ZZZZZ		04/11/2012 12:20	1		CLP2 0.32(mm)
CCV 280-114993/44		04/11/2012 12:44	1		CLP1 0.32(mm)
CCV 280-114993/44		04/11/2012 12:44	1		CLP2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: GCS_W Start Date: 04/13/2012 13:49

Analysis Batch Number: 115556 End Date: 04/14/2012 07:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 280-115556/1		04/13/2012 13:49	1	003F0301.D	CLP1 0.32(mm)
ZZZZZ		04/13/2012 14:59	1		CLP1 0.32(mm)
ZZZZZ		04/13/2012 15:22	1		CLP1 0.32(mm)
ZZZZZ		04/13/2012 15:45	1		CLP1 0.32(mm)
ZZZZZ		04/13/2012 16:08	1		CLP1 0.32(mm)
ZZZZZ		04/13/2012 16:32	1		CLP1 0.32(mm)
ZZZZZ		04/13/2012 16:55	1		CLP1 0.32(mm)
ZZZZZ		04/13/2012 17:18	1		CLP1 0.32(mm)
ZZZZZ		04/13/2012 17:41	1		CLP1 0.32(mm)
CCV 280-115556/10		04/13/2012 18:04	1	014F1401.D	CLP1 0.32(mm)
MB 280-113965/1-A		04/13/2012 18:28	1	015F1501.D	CLP1 0.32(mm)
LCS 280-113965/3-A		04/13/2012 18:51	1	016F1601.D	CLP1 0.32(mm)
280-27123-11	032712AE	04/13/2012 19:14	1	017F1701.D	CLP1 0.32(mm)
CCV 280-115556/14		04/13/2012 22:19	1	025F2501.D	CLP1 0.32(mm)
CCV 280-115556/15		04/14/2012 04:29	1	041F4101.D	CLP1 0.32(mm)
ZZZZZ		04/14/2012 04:52	1		CLP1 0.32(mm)
ZZZZZ		04/14/2012 05:15	1		CLP1 0.32(mm)
ZZZZZ		04/14/2012 05:38	1		CLP1 0.32(mm)
ZZZZZ		04/14/2012 06:02	1		CLP1 0.32(mm)
ZZZZZ		04/14/2012 06:25	1		CLP1 0.32(mm)
CCV 280-115556/21		04/14/2012 07:34	1		CLP1 0.32(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113965 Batch Start Date: 04/02/12 17:50 Batch Analyst: Cullen, Craig R

Batch Method: 3510C Batch End Date: 04/04/12 10:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	InitialAmount	FinalAmount	8081/82 Surr 00038
MB 280-113965/1		3510C, 8082		7 SU			1000 mL	10000 uL	1 mL
LCS 280-113965/3		3510C, 8082		7 SU			1000 mL	10000 uL	1 mL
280-27123-C-11	032712AE	3510C, 8082	T	7 SU	1537.4 g	500.0 g	1037.4 mL	10000 uL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	8082 LCS 00021	AnalysisComment				
MB 280-113965/1		3510C, 8082							
LCS 280-113965/3		3510C, 8082		1 mL	8082				
280-27123-C-11	032712AE	3510C, 8082	T						

Batch Notes	
Batch Comment	DV-OP-00006/7, NaCl: K47600, Bal: 24350888H2O: Elga PIP:OP-P2(10.00)
Person's name who did the concentration	CLUKEY.L/VU.D
Exchange Solvent Lot #	HEXANE_CYCL_00003
Exchange Solvent Name	HEXANE
Na2SO4 Lot Number	K28619_00012
Oven, Bath or Block Temperature 1	A@88C
Prep Solvent Lot #	MeCl2_Cycl_00026
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	CullenC-I
Person's name who witnessed reagent drop	CokleyC
Sufficient volume for MS/MSD?	No

Basis	Basis Description
T	Total/NA

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113973 Batch Start Date: 04/02/12 17:20 Batch Analyst: Flynn, Sean P

Batch Method: 3546 Batch End Date: 04/05/12 17:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8081/82 Surr 00038	8082 LCS 00021	AnalysisComment	
MB 280-113973/1		3546, 8082		32.9 g	10000 uL	1 mL			
LCS 280-113973/3		3546, 8082		31.4 g	10000 uL	1 mL	1 mL	8082	
280-27123-A-1	UNK10101AA	3546, 8082	T	30.5 g	10000 uL	1 mL			
280-27123-A-2	UNK10201AA	3546, 8082	T	32.1 g	10000 uL	1 mL			
280-27123-A-3	UNK10301AA	3546, 8082	T	32.2 g	10000 uL	1 mL			
280-27123-A-3 MS	UNK10301AA	3546, 8082	T	30.7 g	10000 uL	1 mL	1 mL	8082	
280-27123-A-3 MSD	UNK10301AA	3546, 8082	T	30.7 g	10000 uL	1 mL	1 mL	8082	
280-27123-A-4	UNK10401AA	3546, 8082	T	30.6 g	10000 uL	1 mL			
280-27123-A-5	UNK10501AA	3546, 8082	T	32.1 g	10000 uL	1 mL			
280-27123-A-6	UNK10502AA	3546, 8082	T	32.8 g	10000 uL	1 mL			
280-27123-A-7	UNK10601AA	3546, 8082	T	31.4 g	10000 uL	1 mL			
280-27123-A-8	UNK10602AA	3546, 8082	T	31.6 g	10000 uL	1 mL			
280-27123-A-9	UNK10701AA	3546, 8082	T	30.6 g	10000 uL	1 mL			
280-27123-A-10	UNK10702AA	3546, 8082	T	30.2 g	10000 uL	1 mL			

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113973 Batch Start Date: 04/02/12 17:20 Batch Analyst: Flynn, Sean P

Batch Method: 3546 Batch End Date: 04/05/12 17:15

Batch Notes	
Balance ID	24750402
Batch Comment	pip: OP-P2 (10.05 & 2.00)
Person's name who did the concentration	SmileyK/MoanM
Exchange Solvent Lot #	Hexane_Cycl_00003
Exchange Solvent Name	50mL's Hexane
Final Concentrator Volume	10000uL's uL
Florisil Lot #	FlorisilSoL_00007; 906011-BS-06 by CDC 4.9.12
Lot # of hydrochloric acid	1:1AceMeCl2_000
Hexane Lot#	Hexane_Cycl_000
MeCL2 Lot #	1:1MeCl2:Acetone
Microwave Start Time	04-02-2012@:17:40
Microwave Stop Time	04-02-2012@:19:15
Na2SO4 Lot Number	K28619_00013
Ottawa Sand Lot #	2AB0605
Pipette ID	H
Person's name who did the prep	Flynn, S
SOP Number	DV_OP_00015/00007
Person who witnessed spiking	REVIEWER: Wiggins, J S/S:Flynn, S
Water Bath ID	A
Water Bath Temperature	88 C

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

Project: Griffiss AFB AOI 474

Client Sample ID	Lab Sample ID
UNK10101AA	280-27123-1
UNK10101AA	280-27123-1 DL
UNK10201AA	280-27123-2
UNK10301AA	280-27123-3
UNK10401AA	280-27123-4
UNK10501AA	280-27123-5
UNK10501AA	280-27123-5 DL
UNK10502AA	280-27123-6
UNK10601AA	280-27123-7
UNK10602AA	280-27123-8
UNK10701AA	280-27123-9
UNK10702AA	280-27123-10
032712AE	280-27123-11

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: UNK10101AA
Lab Sample ID: 280-27123-1
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/27/2012 09:55
Reporting Basis: DRY
Date Received: 03/29/2012 09:00
% Solids: 64.1

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	2300	330	20	10	mg/Kg		D J	5	6010B
Calcium	990	130	26	19	mg/Kg			1	6010B
Iron	240000	530	33	25	mg/Kg		D J	5	6010B
Magnesium	200	40	6.6	4.9	mg/Kg			1	6010B
Potassium	150	400	66	54	mg/Kg	J		1	6010B
Sodium	130	660	130	78	mg/Kg	U		1	6010B
Boron	6.6	66	6.6	6.5	mg/Kg	U		5	6010B
Antimony	6000	270	54	19	ug/Kg		J	1	6020
Arsenic	30000	670	200	68	ug/Kg		J	1	6020
Barium	3400000	6700	5400	1900	ug/Kg		D J	20	6020
Beryllium	69	130	87	30	ug/Kg	J		1	6020
Cadmium	5300	130	34	13	ug/Kg		Q	1	6020
Chromium	96000	270	240	100	ug/Kg		J	1	6020
Cobalt	28000	130	24	8.9	ug/Kg		J	1	6020
Copper	330000	67000	5400	1900	ug/Kg		J D	20	6020
Lead	800000	2700	1300	490	ug/Kg		D J	20	6020
Manganese	1800000	2700	2400	890	ug/Kg		J D	20	6020
Molybdenum	5100	270	67	24	ug/Kg		J	1	6020
Nickel	180000	9400	2000	680	ug/Kg		J D	20	6020
Selenium	320	670	340	180	ug/Kg	J	J	1	6020
Silver	880	130	81	27	ug/Kg			1	6020
Thallium	99	130	13	4.7	ug/Kg	J		1	6020
Vanadium	5200	670	130	52	ug/Kg		J	1	6020
Zinc	3700000	67000	24000	8500	ug/Kg		J D	20	6020
Mercury	820	500	200	83	ug/Kg		D J	10	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: UNK10201AA
Lab Sample ID: 280-27123-2
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/27/2012 10:20
Reporting Basis: DRY
Date Received: 03/29/2012 09:00
% Solids: 59.6

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	2800	400	24	12	mg/Kg		D	5	6010B
Calcium	1900	160	32	22	mg/Kg			1	6010B
Iron	200000	630	40	30	mg/Kg		D	5	6010B
Magnesium	310	47	7.9	5.9	mg/Kg			1	6010B
Potassium	220	470	79	65	mg/Kg	J		1	6010B
Sodium	160	790	160	93	mg/Kg	U		1	6010B
Boron	7.9	79	7.9	7.8	mg/Kg	U		5	6010B
Antimony	1100	290	57	20	ug/Kg			1	6020
Arsenic	11000	720	220	73	ug/Kg			1	6020
Barium	200000	360	290	100	ug/Kg			1	6020
Beryllium	98	140	93	32	ug/Kg	J		1	6020
Cadmium	6700	140	36	13	ug/Kg		Q	1	6020
Chromium	11000	290	250	110	ug/Kg			1	6020
Cobalt	9100	140	26	9.5	ug/Kg			1	6020
Copper	56000	3600	290	100	ug/Kg			1	6020
Lead	1800000	140	72	26	ug/Kg			1	6020
Manganese	350000	140	130	47	ug/Kg			1	6020
Molybdenum	1300	290	72	25	ug/Kg			1	6020
Nickel	18000	500	110	36	ug/Kg			1	6020
Selenium	900	720	360	190	ug/Kg			1	6020
Silver	320	140	86	29	ug/Kg			1	6020
Thallium	110	140	14	5.0	ug/Kg	J		1	6020
Vanadium	5700	720	140	55	ug/Kg			1	6020
Zinc	1600000	3600	1300	450	ug/Kg			1	6020
Mercury	15000	1100	430	180	ug/Kg		D	20	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: UNK10301AA
Lab Sample ID: 280-27123-3
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/27/2012 10:45
Reporting Basis: DRY
Date Received: 03/29/2012 09:00
% Solids: 64.7

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	2200	320	19	10	mg/Kg		D	5	6010B
Calcium	620	130	26	18	mg/Kg			1	6010B
Iron	250000	520	32	25	mg/Kg		D	5	6010B
Magnesium	230	39	6.5	4.8	mg/Kg			1	6010B
Potassium	150	390	65	53	mg/Kg	J		1	6010B
Sodium	130	650	130	77	mg/Kg	U		1	6010B
Boron	6.5	65	6.5	6.4	mg/Kg	U		5	6010B
Antimony	3900	300	61	21	ug/Kg			1	6020
Arsenic	28000	760	230	77	ug/Kg			1	6020
Barium	50000	380	300	110	ug/Kg			1	6020
Beryllium	78	150	98	34	ug/Kg	J		1	6020
Cadmium	3200	150	38	14	ug/Kg		Q	1	6020
Chromium	72000	300	270	120	ug/Kg			1	6020
Cobalt	22000	150	27	10	ug/Kg			1	6020
Copper	250000	3800	300	110	ug/Kg			1	6020
Lead	380000	150	76	28	ug/Kg			1	6020
Manganese	1100000	150	140	50	ug/Kg			1	6020
Molybdenum	11000	300	76	27	ug/Kg			1	6020
Nickel	87000	530	110	38	ug/Kg			1	6020
Selenium	280	760	380	200	ug/Kg	J		1	6020
Silver	240	150	91	31	ug/Kg			1	6020
Thallium	92	150	15	5.3	ug/Kg	J		1	6020
Vanadium	5500	760	150	58	ug/Kg			1	6020
Zinc	1400000	3800	1400	480	ug/Kg			1	6020
Mercury	190	49	20	8.3	ug/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: UNK10401AA
Lab Sample ID: 280-27123-4
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/27/2012 11:20
Reporting Basis: DRY
Date Received: 03/29/2012 09:00
% Solids: 67.6

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	2500	310	19	9.6	mg/Kg		D	5	6010B
Calcium	160	120	25	18	mg/Kg			1	6010B
Iron	57000	500	31	24	mg/Kg		D	5	6010B
Magnesium	240	37	6.2	4.6	mg/Kg			1	6010B
Potassium	220	370	62	51	mg/Kg	J		1	6010B
Sodium	120	620	120	73	mg/Kg	U		1	6010B
Boron	6.2	62	6.2	6.1	mg/Kg	U		5	6010B
Antimony	220	280	57	20	ug/Kg	J		1	6020
Arsenic	4400	710	210	72	ug/Kg			1	6020
Barium	17000	360	280	100	ug/Kg			1	6020
Beryllium	70	140	92	32	ug/Kg	J		1	6020
Cadmium	760	140	36	13	ug/Kg		Q	1	6020
Chromium	15000	280	250	110	ug/Kg			1	6020
Cobalt	2200	140	26	9.4	ug/Kg			1	6020
Copper	58000	3600	280	100	ug/Kg			1	6020
Lead	99000	140	71	26	ug/Kg			1	6020
Manganese	95000	140	130	47	ug/Kg			1	6020
Molybdenum	2900	280	71	25	ug/Kg			1	6020
Nickel	12000	500	110	36	ug/Kg			1	6020
Selenium	700	710	360	190	ug/Kg	J		1	6020
Silver	250	140	85	29	ug/Kg			1	6020
Thallium	86	140	14	5.0	ug/Kg	J		1	6020
Vanadium	11000	710	140	55	ug/Kg			1	6020
Zinc	100000	3600	1300	450	ug/Kg			1	6020
Mercury	110	47	19	7.9	ug/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: UNK10501AA
Lab Sample ID: 280-27123-5
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/27/2012 11:50
Reporting Basis: DRY
Date Received: 03/29/2012 09:00
% Solids: 64.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	3300	390	23	12	mg/Kg		D	5	6010B
Calcium	300	150	31	22	mg/Kg			1	6010B
Iron	77000	620	39	29	mg/Kg		D	5	6010B
Magnesium	250	46	7.7	5.7	mg/Kg			1	6010B
Potassium	270	460	77	63	mg/Kg	J		1	6010B
Sodium	150	770	150	91	mg/Kg	U		1	6010B
Boron	7.7	77	7.7	7.6	mg/Kg	U		5	6010B
Antimony	740	310	62	22	ug/Kg			1	6020
Arsenic	16000	770	230	78	ug/Kg			1	6020
Barium	490000	390	310	110	ug/Kg			1	6020
Beryllium	100	150	100	35	ug/Kg	J		1	6020
Cadmium	720	150	39	15	ug/Kg		Q	1	6020
Chromium	37000	310	270	120	ug/Kg			1	6020
Cobalt	6000	150	28	10	ug/Kg			1	6020
Copper	74000	3900	310	110	ug/Kg			1	6020
Lead	5100000	3100	1500	560	ug/Kg		D	20	6020
Manganese	360000	150	140	51	ug/Kg			1	6020
Molybdenum	3400	310	77	27	ug/Kg			1	6020
Nickel	22000	540	120	39	ug/Kg			1	6020
Selenium	750	770	390	210	ug/Kg	J		1	6020
Silver	290	150	93	31	ug/Kg			1	6020
Thallium	120	150	15	5.4	ug/Kg	J		1	6020
Vanadium	7000	770	150	60	ug/Kg			1	6020
Zinc	110000	3900	1400	490	ug/Kg			1	6020
Mercury	830	52	21	8.6	ug/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: UNK10502AA
Lab Sample ID: 280-27123-6
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/27/2012 12:00
Reporting Basis: DRY
Date Received: 03/29/2012 09:00
% Solids: 83.2

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	4500	56	3.4	1.7	mg/Kg			1	6010B
Calcium	150	110	22	16	mg/Kg			1	6010B
Iron	6900	90	5.6	4.3	mg/Kg			1	6010B
Magnesium	910	34	5.6	4.2	mg/Kg			1	6010B
Potassium	680	340	56	46	mg/Kg			1	6010B
Sodium	110	560	110	66	mg/Kg	U		1	6010B
Boron	1.8	11	1.1	1.1	mg/Kg	J		1	6010B
Antimony	26	210	42	15	ug/Kg	J		1	6020
Arsenic	860	520	160	53	ug/Kg			1	6020
Barium	18000	260	210	74	ug/Kg			1	6020
Beryllium	150	100	68	24	ug/Kg			1	6020
Cadmium	280	100	26	9.8	ug/Kg		Q	1	6020
Chromium	4800	210	180	79	ug/Kg			1	6020
Cobalt	1200	100	19	6.9	ug/Kg			1	6020
Copper	5400	2600	210	74	ug/Kg			1	6020
Lead	81000	100	52	19	ug/Kg			1	6020
Manganese	38000	100	94	34	ug/Kg			1	6020
Molybdenum	100	210	52	18	ug/Kg	J		1	6020
Nickel	3600	370	78	26	ug/Kg			1	6020
Selenium	370	520	260	140	ug/Kg	J		1	6020
Silver	63	100	63	21	ug/Kg	U		1	6020
Thallium	40	100	10	3.7	ug/Kg	J		1	6020
Vanadium	4800	520	100	40	ug/Kg			1	6020
Zinc	21000	2600	940	330	ug/Kg			1	6020
Mercury	23	34	14	5.8	ug/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: UNK10601AA
Lab Sample ID: 280-27123-7
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/27/2012 12:15
Reporting Basis: DRY
Date Received: 03/29/2012 09:00
% Solids: 64.7

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	3100	65	3.9	2.0	mg/Kg			1	6010B
Calcium	630	130	26	18	mg/Kg			1	6010B
Iron	14000	100	6.5	5.0	mg/Kg			1	6010B
Magnesium	220	39	6.5	4.8	mg/Kg			1	6010B
Potassium	240	390	65	54	mg/Kg	J		1	6010B
Sodium	130	650	130	77	mg/Kg	U		1	6010B
Boron	2.2	13	1.3	1.3	mg/Kg	J		1	6010B
Antimony	160	300	60	21	ug/Kg	J		1	6020
Arsenic	3100	750	230	76	ug/Kg			1	6020
Barium	48000	380	300	110	ug/Kg			1	6020
Beryllium	62	150	98	34	ug/Kg	J		1	6020
Cadmium	3100	150	38	14	ug/Kg		Q	1	6020
Chromium	5200	300	260	110	ug/Kg			1	6020
Cobalt	1400	150	27	9.9	ug/Kg			1	6020
Copper	28000	3800	300	110	ug/Kg			1	6020
Lead	96000	150	75	27	ug/Kg			1	6020
Manganese	410000	150	140	50	ug/Kg			1	6020
Molybdenum	410	300	75	26	ug/Kg			1	6020
Nickel	5400	530	110	38	ug/Kg			1	6020
Selenium	680	750	380	200	ug/Kg	J		1	6020
Silver	92	150	90	30	ug/Kg	J		1	6020
Thallium	62	150	15	5.3	ug/Kg	J		1	6020
Vanadium	5500	750	150	58	ug/Kg			1	6020
Zinc	620000	3800	1400	470	ug/Kg			1	6020
Mercury	570	50	20	8.4	ug/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: UNK10602AA
Lab Sample ID: 280-27123-8
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/27/2012 12:45
Reporting Basis: DRY
Date Received: 03/29/2012 09:00
% Solids: 85.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	5700	58	3.5	1.8	mg/Kg			1	6010B
Calcium	230	120	23	16	mg/Kg			1	6010B
Iron	5300	92	5.8	4.4	mg/Kg			1	6010B
Magnesium	1400	35	5.8	4.3	mg/Kg			1	6010B
Potassium	610	350	58	47	mg/Kg			1	6010B
Sodium	120	580	120	68	mg/Kg	U		1	6010B
Boron	1.6	12	1.2	1.1	mg/Kg	J		1	6010B
Antimony	43	210	43	15	ug/Kg	U		1	6020
Arsenic	360	530	160	54	ug/Kg	J		1	6020
Barium	13000	270	210	75	ug/Kg			1	6020
Beryllium	120	110	69	24	ug/Kg			1	6020
Cadmium	470	110	27	10	ug/Kg		Q	1	6020
Chromium	4800	210	190	81	ug/Kg			1	6020
Cobalt	1600	110	19	7.1	ug/Kg			1	6020
Copper	3900	2700	210	76	ug/Kg			1	6020
Lead	8300	110	53	19	ug/Kg			1	6020
Manganese	250000	110	96	35	ug/Kg			1	6020
Molybdenum	67	210	53	19	ug/Kg	J		1	6020
Nickel	4600	370	80	27	ug/Kg			1	6020
Selenium	270	530	270	140	ug/Kg	J		1	6020
Silver	64	110	64	22	ug/Kg	U		1	6020
Thallium	38	110	11	3.7	ug/Kg	J		1	6020
Vanadium	7300	530	110	41	ug/Kg			1	6020
Zinc	250000	2700	960	340	ug/Kg			1	6020
Mercury	19	33	13	5.6	ug/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: UNK10701AA
Lab Sample ID: 280-27123-9
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/27/2012 12:55
Reporting Basis: DRY
Date Received: 03/29/2012 09:00
% Solids: 70.4

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	2900	300	18	9.3	mg/Kg		D	5	6010B
Calcium	320	120	24	17	mg/Kg			1	6010B
Iron	58000	480	30	23	mg/Kg		D	5	6010B
Magnesium	150	36	6.0	4.4	mg/Kg			1	6010B
Potassium	180	360	60	49	mg/Kg	J		1	6010B
Sodium	120	600	120	70	mg/Kg	U		1	6010B
Boron	6.0	60	6.0	5.9	mg/Kg	U		5	6010B
Antimony	980	240	49	17	ug/Kg			1	6020
Arsenic	9200	610	180	61	ug/Kg			1	6020
Barium	360000	300	240	86	ug/Kg			1	6020
Beryllium	150	120	79	27	ug/Kg			1	6020
Cadmium	1800	120	30	11	ug/Kg		Q	1	6020
Chromium	20000	240	210	92	ug/Kg			1	6020
Cobalt	7200	120	22	8.1	ug/Kg			1	6020
Copper	270000	3000	240	86	ug/Kg			1	6020
Lead	1100000	120	61	22	ug/Kg			1	6020
Manganese	280000	120	110	40	ug/Kg			1	6020
Molybdenum	3000	240	61	21	ug/Kg			1	6020
Nickel	25000	430	91	31	ug/Kg			1	6020
Selenium	670	610	300	160	ug/Kg			1	6020
Silver	120	120	73	25	ug/Kg			1	6020
Thallium	78	120	12	4.3	ug/Kg	J		1	6020
Vanadium	15000	610	120	47	ug/Kg			1	6020
Zinc	320000	3000	1100	380	ug/Kg			1	6020
Mercury	100	46	19	7.7	ug/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: UNK10702AA
Lab Sample ID: 280-27123-10
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/27/2012 13:15
Reporting Basis: DRY
Date Received: 03/29/2012 09:00
% Solids: 77.8

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	5100	64	3.8	2.0	mg/Kg			1	6010B
Calcium	150	130	25	18	mg/Kg			1	6010B
Iron	2100	100	6.4	4.8	mg/Kg			1	6010B
Magnesium	590	38	6.4	4.7	mg/Kg			1	6010B
Potassium	730	380	64	52	mg/Kg			1	6010B
Sodium	130	640	130	75	mg/Kg	U		1	6010B
Boron	1.9	13	1.3	1.2	mg/Kg	J		1	6010B
Antimony	43	220	43	15	ug/Kg	U		1	6020
Arsenic	410	540	160	55	ug/Kg	J		1	6020
Barium	18000	270	220	76	ug/Kg			1	6020
Beryllium	200	110	70	24	ug/Kg			1	6020
Cadmium	340	110	27	10	ug/Kg		Q	1	6020
Chromium	8500	220	190	82	ug/Kg			1	6020
Cobalt	1900	110	19	7.2	ug/Kg			1	6020
Copper	4100	2700	220	77	ug/Kg			1	6020
Lead	3300	110	54	20	ug/Kg			1	6020
Manganese	44000	110	97	36	ug/Kg			1	6020
Molybdenum	110	220	54	19	ug/Kg	J		1	6020
Nickel	6700	380	81	27	ug/Kg			1	6020
Selenium	640	540	270	140	ug/Kg			1	6020
Silver	65	110	65	22	ug/Kg	U		1	6020
Thallium	43	110	11	3.8	ug/Kg	J		1	6020
Vanadium	9000	540	110	42	ug/Kg			1	6020
Zinc	70000	2700	970	340	ug/Kg			1	6020
Mercury	56	40	16	6.7	ug/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 032712AE
Lab Sample ID: 280-27123-11
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG ID.:
Matrix: Water
Date Sampled: 03/27/2012 14:10
Reporting Basis: WET
Date Received: 03/29/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	30	300	30	18	ug/L	U		1	6010B
Boron	4.0	100	4.0	4.4	ug/L	U		1	6010B
Calcium	80	1000	80	35	ug/L	U		1	6010B
Iron	30	100	30	22	ug/L	U		1	6010B
Magnesium	25	500	25	11	ug/L	U		1	6010B
Potassium	250	3000	250	240	ug/L	U		1	6010B
Sodium	250	5000	250	92	ug/L	U		1	6010B
Antimony	0.20	6.0	0.20	0.40	ug/L	U		1	6020
Arsenic	0.60	5.0	0.60	0.33	ug/L	U		1	6020
Barium	0.85	3.0	0.85	0.29	ug/L	U		1	6020
Beryllium	0.24	1.0	0.24	0.080	ug/L	U		1	6020
Cadmium	0.12	1.0	0.12	0.10	ug/L	U	Q	1	6020
Chromium	1.5	10	1.5	0.50	ug/L	U		1	6020
Cobalt	0.030	1.0	0.030	0.054	ug/L	U		1	6020
Copper	1.5	2.0	1.5	0.56	ug/L	U		1	6020
Lead	0.50	3.0	0.50	0.18	ug/L	U		1	6020
Manganese	0.90	3.5	0.90	0.31	ug/L	U		1	6020
Molybdenum	0.40	2.0	0.40	0.14	ug/L	U		1	6020
Nickel	0.90	3.0	0.90	0.30	ug/L	U		1	6020
Selenium	2.0	5.0	2.0	0.70	ug/L	U		1	6020
Silver	0.045	5.0	0.045	0.033	ug/L	U		1	6020
Thallium	0.060	1.0	0.060	0.050	ug/L	U		1	6020
Vanadium	0.40	6.0	0.40	0.50	ug/L	U		1	6020
Zinc	6.0	20	6.0	2.0	ug/L	U		1	6020
Mercury	0.038	0.20	0.080	0.027	ug/L	J		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVH_00078 Concentration Units: ug/L

CCV Source: ICP CCVH_00215

Analyte	ICVH 280-114798/6 04/09/2012 14:30				CCVH 280-114798/54 04/10/2012 00:36				CCVH 280-114798/64 04/10/2012 00:59			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	40100		40000	100	53000		50000	106	52500		50000	105
Iron	79300		80000	99	53100		50000	106	52300		50000	105
Sodium	40900		40000	102	265000		250000	106	263000		250000	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVL_00068 Concentration Units: ug/L

CCV Source: ICP CCVL_00237

Analyte	ICV 280-114798/8 04/09/2012 14:39				ICV 280-114798/9 04/09/2012 14:41				CCV 280-114798/55 04/10/2012 00:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	270		250	108	268		250	107	514		500	103
Boron	246		250	98	244		250	97	493		500	99
Magnesium	10000		10000	100	10000		10000	100	20100		20000	100
Antimony	246		250	98	240		250	96	986		1000	99
Arsenic	242		250	97	240		250	96	956		1000	96
Barium	255		250	102	255		250	102	542		500	108
Beryllium	248		250	99	247		250	99	509		500	102
Cadmium	250		250	100	249		250	100	499		500	100
Calcium	2040		2000	102	2030		2000	101	5140		5000	103
Chromium	251		250	100	250		250	100	503		500	101
Cobalt	253		250	101	252		250	101	502		500	100
Copper	254		250	102	254		250	102	509		500	102
Iron	271		250	108	273		250	109	2680		2500	107
Lead	256		250	102	256		250	102	962		1000	96
Manganese	257		250	103	257		250	103	515		500	103
Molybdenum	245		250	98	244		250	98	497		500	99
Nickel	253		250	101	252		250	101	503		500	101
Potassium	20500		20000	103	20500		20000	103	53700		50000	107
Selenium	497		500	99	496		500	99	1030		1000	103
Silver	254		250	102	255		250	102	515		500	103
Sodium	2050		2000	103	2060		2000	103	5340		5000	107
Strontium	256		250	103	256		250	103	534		500	107
Thallium	525		500	105	523		500	105	1040		1000	104
Vanadium	249		250	100	250		250	100	508		500	102
Zinc	252		250	101	254		250	101	494		500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVL_00068 Concentration Units: ug/L

CCV Source: ICP CCVL_00237

Analyte	CCV 280-114798/65 04/10/2012 01:02											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	520		500	104								
Boron	500		500	100								
Magnesium	20200		20000	101								
Antimony	1000		1000	100								
Arsenic	965		1000	96								
Barium	543		500	109								
Beryllium	510		500	102								
Cadmium	505		500	101								
Calcium	5150		5000	103								
Chromium	505		500	101								
Cobalt	503		500	101								
Copper	521		500	104								
Iron												
Lead	964		1000	96								
Manganese	522		500	104								
Molybdenum	500		500	100								
Nickel	506		500	101								
Potassium	53500		50000	107								
Selenium	1030		1000	103								
Silver	524		500	105								
Sodium	5360		5000	107								
Strontium	535		500	107								
Thallium	1050		1000	105								
Vanadium	513		500	103								
Zinc	497		500	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVH_00078 Concentration Units: ug/L

CCV Source: ICP CCVH_00217

Analyte	ICVH 280-114957/6 04/10/2012 09:42				CCVH 280-114957/23 04/10/2012 11:37				CCVH 280-114957/33 04/10/2012 12:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	79700		80000	100	51200		50000	102	51600		50000	103
Sodium	41400		40000	103	261000		250000	104	263000		250000	105
Aluminum	40300		40000	101	51000		50000	102	51700		50000	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVL_00068 Concentration Units: ug/L

CCV Source: ICP CCVL_00238

Analyte	ICV 280-114957/7 04/10/2012 09:45				CCV 280-114957/24 04/10/2012 11:39				CCV 280-114957/34 04/10/2012 12:05			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	1970		2000	99	5040		5000	101	5060		5000	101
Iron	251		250	100	2590		2500	104	2560		2500	103
Potassium	19900		20000	100	51600		50000	103	51600		50000	103
Sodium	2050		2000	102	5300		5000	106	5160		5000	103
Aluminum	259		250	104	522		500	104	512		500	102
Antimony	242		250	97	1030		1000	103	1010		1000	101
Arsenic	245		250	98	1010		1000	101	987		1000	99
Barium	248		250	99	516		500	103	518		500	104
Beryllium	239		250	96	501		500	100	501		500	100
Boron	244		250	98	519		500	104	515		500	103
Cadmium	247		250	99	519		500	104	513		500	103
Chromium	249		250	99	511		500	102	506		500	101
Cobalt	248		250	99	513		500	103	507		500	101
Copper	250		250	100	523		500	105	515		500	103
Lead	253		250	101	1020		1000	102	997		1000	100
Magnesium	9710		10000	97	20400		20000	102	20100		20000	100
Manganese	248		250	99	513		500	103	505		500	101
Molybdenum	243		250	97	506		500	101	502		500	100
Nickel	250		250	100	514		500	103	508		500	102
Selenium	492		500	98	1050		1000	105	1030		1000	103
Silver	246		250	98	526		500	105	515		500	103
Strontium	247		250	99	511		500	102	512		500	102
Thallium	522		500	104	1070		1000	107	1050		1000	105
Vanadium	243		250	97	507		500	101	502		500	100
Zinc	241		250	97	499		500	100	494		500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVH_00078 Concentration Units: ug/L

CCV Source: ICP CCVH_00216

Analyte	ICVH 280-114003/6 04/02/2012 11:09				CCVH 280-114003/18 04/02/2012 12:14				CCVH 280-114003/30 04/02/2012 12:44			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	77700		80000	97	51700		50000	103	51200		50000	102
Sodium	40200		40000	100	253000		250000	101	255000		250000	102
Aluminum	39300		40000	98	50400		50000	101	50300		50000	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVH_00078 Concentration Units: ug/L

CCV Source: ICP CCVH_00216

Analyte	CCVH 280-114003/42 04/02/2012 13:13											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	51400		50000	103								
Sodium	258000		250000	103								
Aluminum	50700		50000	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVL_00068 Concentration Units: ug/L

CCV Source: ICP CCVL_00236

Analyte	ICV 280-114003/7 04/02/2012 11:13				CCV 280-114003/19 04/02/2012 12:17				CCV 280-114003/31 04/02/2012 12:46			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	2020		2000	101	5060		5000	101	5090		5000	102
Iron	259		250	104	2560		2500	102	2560		2500	103
Magnesium	9950		10000	100	20500		20000	103	21000		20000	105
Potassium	20100		20000	100	50700		50000	101	51400		50000	103
Sodium	2050		2000	102	4990		5000	100	5000		5000	100
Aluminum	264		250	106	543		500	109				
Antimony	249		250	99	1010		1000	101	1050		1000	105
Arsenic	249		250	100	1020		1000	102	1040		1000	104
Barium	255		250	102	502		500	100	505		500	101
Beryllium	247		250	99	500		500	100	509		500	102
Cadmium	254		250	102	509		500	102	523		500	105
Chromium	261		250	104	505		500	101	503		500	101
Cobalt	258		250	103	510		500	102	510		500	102
Copper	257		250	103	510		500	102	529		500	106
Lead	259		250	103	1030		1000	103	1040		1000	104
Manganese	258		250	103	505		500	101	506		500	101
Molybdenum	252		250	101	506		500	101	503		500	101
Nickel	260		250	104	518		500	104	518		500	104
Selenium	492		500	98	1030		1000	103	1070		1000	107
Silver	251		250	101	502		500	100	518		500	104
Thallium	524		500	105	1040		1000	104	1060		1000	106
Vanadium	254		250	102	497		500	99	493		500	99
Zinc	250		250	100	508		500	102	511		500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVL_00068 Concentration Units: ug/L

CCV Source: ICP CCVL_00236

Analyte	CCV 280-114003/43 04/02/2012 13:15											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	5080		5000	102								
Iron	2540		2500	102								
Magnesium	21000		20000	105								
Potassium	51500		50000	103								
Sodium	4980		5000	100								
Aluminum	550		500	110								
Antimony	1050		1000	105								
Arsenic	1040		1000	104								
Barium	503		500	101								
Beryllium	506		500	101								
Cadmium	523		500	105								
Chromium	504		500	101								
Cobalt	510		500	102								
Copper	530		500	106								
Lead	1040		1000	104								
Manganese	507		500	101								
Molybdenum	504		500	101								
Nickel	518		500	104								
Selenium	1080		1000	108								
Silver	518		500	104								
Thallium	1060		1000	106								
Vanadium	496		500	99								
Zinc	510		500	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVH_00078 Concentration Units: ug/L

CCV Source: ICP CCVH_00216

Analyte	ICVH 280-114077/6 04/03/2012 10:22				CCVH 280-114077/29 04/03/2012 11:37				CCVH 280-114077/40 04/03/2012 12:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	39100		40000	98	49500		50000	99	49600		50000	99
Iron	77300		80000	97	49300		50000	99	48900		50000	98
Sodium	39900		40000	100	248000		250000	99	248000		250000	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVH_00078 Concentration Units: ug/L

CCV Source: ICP CCVH_00216

Analyte	CCVH 280-114077/53 04/03/2012 12:42											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	49200		50000	98								
Iron	49000		50000	98								
Sodium	246000		250000	98								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVL_00068 Concentration Units: ug/L

CCV Source: ICP CCVL_00236

Analyte	ICV 280-114077/7 04/03/2012 10:26				CCV 280-114077/30 04/03/2012 11:40				CCV 280-114077/41 04/03/2012 12:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	264		250	106	517		500	103	511		500	102
Boron	244		250	98	507		500	101	505		500	101
Iron	261		250	105	2450		2500	98	2420		2500	97
Antimony	247		250	99	999		1000	100	997		1000	100
Arsenic	241		250	96	998		1000	100	987		1000	99
Barium	253		250	101	500		500	100	497		500	99
Beryllium	243		250	97	487		500	97	480		500	96
Cadmium	250		250	100	505		500	101	504		500	101
Calcium	2020		2000	101	4970		5000	99	4920		5000	98
Chromium	259		250	103	505		500	101	505		500	101
Cobalt	256		250	102	508		500	102	506		500	101
Copper	252		250	101	498		500	100	497		500	99
Lead	255		250	102	1020		1000	102	1020		1000	102
Magnesium	9870		10000	99	19900		20000	100	19800		20000	99
Molybdenum	249		250	100	498		500	100	496		500	99
Nickel	256		250	102	505		500	101	501		500	100
Potassium	19700		20000	99	48600		50000	97	47700		50000	95
Silver	252		250	101	513		500	103	517		500	103
Sodium	2090		2000	104	5160		5000	103	4960		5000	99
Thallium	521		500	104	1030		1000	103	1030		1000	103
Vanadium	252		250	101	503		500	101	506		500	101
Zinc	248		250	99	500		500	100	499		500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: ICP ICVL_00068 Concentration Units: ug/L

CCV Source: ICP CCVL_00236

Analyte	CCV 280-114077/54 04/03/2012 12:45											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	514		500	103								
Boron	500		500	100								
Iron	2410		2500	97								
Antimony	982		1000	98								
Arsenic	982		1000	98								
Barium	496		500	99								
Beryllium	478		500	96								
Cadmium	500		500	100								
Calcium	4950		5000	99								
Chromium	503		500	101								
Cobalt	504		500	101								
Copper	489		500	98								
Lead	1010		1000	101								
Magnesium	19700		20000	99								
Molybdenum	493		500	99								
Nickel	499		500	100								
Potassium	48000		50000	96								
Silver	513		500	103								
Sodium	4920		5000	98								
Thallium	1020		1000	102								
Vanadium	506		500	101								
Zinc	501		500	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: MS ICV_00542 Concentration Units: ug/L

CCV Source: MS CCV_00544

Analyte	ICV 280-114025/4 04/02/2012 17:24				CCV 280-114025/14 04/02/2012 17:53				CCV 280-114025/40 04/02/2012 19:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	39.1		40.0	98	51.4		50.0	103	52.1		50.0	104
Arsenic	40.5		40.0	101	51.2		50.0	102	51.4		50.0	103
Barium	40.0		40.0	100	51.2		50.0	102	51.6		50.0	103
Beryllium	39.2		40.0	98	50.4		50.0	101	52.0		50.0	104
Cadmium	40.3		40.0	101	50.8		50.0	102	51.0		50.0	102
Chromium	41.2		40.0	103	52.9		50.0	106	53.1		50.0	106
Cobalt	42.1		40.0	105	51.3		50.0	103	52.1		50.0	104
Copper	40.6		40.0	101	51.8		50.0	104	52.5		50.0	105
Lead	40.4		40.0	101	50.5		50.0	101	50.2		50.0	100
Manganese	41.8		40.0	104	52.3		50.0	105	52.0		50.0	104
Molybdenum	39.6		40.0	99	50.9		50.0	102	50.2		50.0	100
Nickel	39.8		40.0	99	50.0		50.0	100	50.3		50.0	101
Selenium	40.0		40.0	100	50.7		50.0	101	51.5		50.0	103
Silver	41.2		40.0	103	51.6		50.0	103	52.6		50.0	105
Thallium	39.8		40.0	100	50.4		50.0	101	50.1		50.0	100
Vanadium	41.6		40.0	104	52.8		50.0	106	53.3		50.0	107
Zinc	40.3		40.0	101	51.3		50.0	103	50.9		50.0	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: MS ICV_00542 Concentration Units: ug/L

CCV Source: MS CCV_00544

Analyte	CCV 280-114025/52 04/02/2012 19:41				CCV 280-114025/62 04/02/2012 20:10				CCV 280-114025/72 04/02/2012 20:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	51.2		50.0	102	50.5		50.0	101	50.0		50.0	100
Arsenic	51.8		50.0	104	51.4		50.0	103	51.6		50.0	103
Barium	51.9		50.0	104	52.0		50.0	104	51.1		50.0	102
Beryllium	52.9		50.0	106	51.5		50.0	103	52.7		50.0	105
Cadmium	51.0		50.0	102	50.5		50.0	101	49.7		50.0	99
Chromium	52.0		50.0	104	52.0		50.0	104	51.9		50.0	104
Cobalt	53.5		50.0	107	52.0		50.0	104	52.5		50.0	105
Copper	53.9		50.0	108	52.4		50.0	105	52.4		50.0	105
Lead	51.3		50.0	103	51.7		50.0	103	50.9		50.0	102
Manganese	51.2		50.0	102	51.5		50.0	103	51.7		50.0	103
Molybdenum	51.8		50.0	104	50.9		50.0	102	51.0		50.0	102
Nickel	51.0		50.0	102	50.1		50.0	100	50.1		50.0	100
Selenium	50.6		50.0	101	51.7		50.0	103	52.3		50.0	105
Silver	52.6		50.0	105	52.3		50.0	105	51.2		50.0	102
Thallium	50.6		50.0	101	50.9		50.0	102	50.8		50.0	102
Vanadium	53.1		50.0	106	52.7		50.0	105	52.5		50.0	105
Zinc	51.7		50.0	103	51.0		50.0	102	50.8		50.0	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: MS ICV_00546 Concentration Units: ug/L

CCV Source: MS CCV_00548

Analyte	ICV 280-114972/4 04/10/2012 16:09				CCV 280-114972/14 04/10/2012 16:37				CCV 280-114972/23 04/10/2012 17:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	38.3		40.0	96	48.8		50.0	98	48.6		50.0	97
Arsenic	40.3		40.0	101	50.2		50.0	100	50.0		50.0	100
Barium	39.1		40.0	98	50.2		50.0	100	50.1		50.0	100
Beryllium	39.0		40.0	98	51.3		50.0	103	50.1		50.0	100
Cadmium	39.5		40.0	99	49.7		50.0	99	49.3		50.0	99
Chromium	40.4		40.0	101	50.9		50.0	102	50.6		50.0	101
Cobalt	41.5		40.0	104	51.1		50.0	102	51.3		50.0	103
Copper	40.8		40.0	102	50.4		50.0	101	51.0		50.0	102
Lead	40.5		40.0	101	50.7		50.0	101	50.9		50.0	102
Manganese	41.2		40.0	103	51.6		50.0	103	51.8		50.0	104
Molybdenum	38.8		40.0	97	48.4		50.0	97	48.6		50.0	97
Nickel	39.0		40.0	97	48.3		50.0	97	48.2		50.0	96
Selenium	39.3		40.0	98	50.8		50.0	102	50.2		50.0	100
Silver	40.0		40.0	100	50.4		50.0	101	50.4		50.0	101
Thallium	39.6		40.0	99	50.4		50.0	101	50.5		50.0	101
Vanadium	41.0		40.0	102	50.5		50.0	101	51.0		50.0	102
Zinc	40.3		40.0	101	50.3		50.0	101	50.1		50.0	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: MS ICV_00546 Concentration Units: ug/L

CCV Source: MS CCV_00548

Analyte	CCV 280-114972/53 04/10/2012 18:29				CCV 280-114972/60 04/10/2012 18:49							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	47.5		50.0	95	47.0		50.0	94				
Arsenic	50.1		50.0	100	50.1		50.0	100				
Barium	50.7		50.0	101	50.8		50.0	102				
Beryllium	51.3		50.0	103	52.2		50.0	104				
Cadmium	47.9		50.0	96	47.4		50.0	95				
Chromium	49.4		50.0	99	49.8		50.0	100				
Cobalt	51.0		50.0	102	50.8		50.0	102				
Copper	49.4		50.0	99	49.4		50.0	99				
Lead	50.4		50.0	101	50.6		50.0	101				
Manganese	51.8		50.0	104	51.9		50.0	104				
Molybdenum	48.3		50.0	97	48.1		50.0	96				
Nickel	47.3		50.0	95	47.6		50.0	95				
Selenium	51.1		50.0	102	52.3		50.0	105				
Silver	49.8		50.0	100	48.3		50.0	97				
Thallium	50.5		50.0	101	51.0		50.0	102				
Vanadium	50.2		50.0	100	50.9		50.0	102				
Zinc	48.5		50.0	97	48.6		50.0	97				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: Hg SoilICV_00284 Concentration Units: ug/L

CCV Source: Hg Soil CCV_00286

Analyte	ICV 280-114184/8 04/03/2012 16:55				CCV 280-114184/11 04/03/2012 17:02				CCV 280-114184/23 04/03/2012 17:30			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.97		4.00	99	4.83		5.00	97	5.03		5.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: Hg SoilICV_00284 Concentration Units: ug/L

CCV Source: Hg Soil CCV_00286

Analyte	CCV 280-114184/31 04/03/2012 17:48											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.72		5.00	94								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: Hg H20 ICV_00344 Concentration Units: ug/L

CCV Source: Hg H2O CCV_00338

Analyte	ICV 280-114270/8 04/04/2012 11:38				CCV 280-114270/11 04/04/2012 11:46				CCV 280-114270/23 04/04/2012 12:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.12		4.00	103	4.88		5.00	98	4.69		5.00	94

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICV Source: Hg H20 ICV_00344 Concentration Units: ug/L

CCV Source: Hg H2O CCV_00338

Analyte	CCV 280-114270/35 04/04/2012 12:41				CCV 280-114270/47 04/04/2012 13:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.68		5.00	94	4.68		5.00	94				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Method: 6010B Instrument ID: MT_025

Lab Sample ID: CRI 280-114798/14 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00608

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	109		109	80-120
Calcium	200	213		107	80-120
Iron	30.0	33.3	J	111	80-120
Magnesium	200	212		106	80-120
Potassium	1000	1060	J	106	80-120
Sodium	1000	1080		108	80-120
Boron	100	97.6	J	98	80-120

Lab Sample ID: CRI 280-114957/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00609

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	113		113	80-120
Calcium	200	208		104	80-120
Iron	30.0	31.0	J	103	80-120
Magnesium	200	223		112	80-120
Potassium	1000	1070	J	107	80-120
Sodium	1000	1070		107	80-120
Boron	100	107		107	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Method: 6010B Instrument ID: MT_026

Lab Sample ID: CRI 280-114003/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00603

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	115		115	80-120
Calcium	200	211		106	80-120
Iron	30.0	32.8	J	109	80-120
Magnesium	200	200		100	80-120
Potassium	1000	986	J	99	80-120
Sodium	1000	1030		103	80-120

Lab Sample ID: CRI 280-114077/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00604

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	114		114	80-120
Calcium	200	224		112	80-120
Iron	30.0	35.4	J	118	80-120
Magnesium	200	217		108	80-120
Potassium	1000	1090	J	109	80-120
Sodium	1000	1120		112	80-120
Boron	100	104		104	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Method: 6020 Instrument ID: MT_024

Lab Sample ID: CRI 280-114025/7 Concentration Units: ug/L

CRQL Check Standard Source: MS RL STD_00553

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	1.00	1.05	J	105	80-120
Arsenic	1.00	1.00	J	100	80-120
Barium	1.00	1.02		102	80-120
Beryllium	1.00	0.929	J	93	80-120
Cadmium	1.00	1.01		101	80-120
Chromium	1.00	1.03	J	103	80-120
Cobalt	1.00	1.03		103	80-120
Copper	1.00	1.03	J	103	80-120
Lead	1.00	1.01		101	80-120
Manganese	1.00	0.901	J	90	80-120
Molybdenum	1.00	0.997	J	100	80-120
Nickel	1.00	0.986	J	99	80-120
Selenium	1.00	0.821	J	82	80-120
Silver	1.00	1.05	J	105	80-120
Thallium	1.00	1.03		103	80-120
Vanadium	1.00	1.04	J	104	80-120
Zinc	10.0	10.1		101	80-120

Lab Sample ID: CRI 280-114972/7 Concentration Units: ug/L

CRQL Check Standard Source: MS RL STD_00557

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	1.00	1.05	J	105	80-120
Arsenic	1.00	0.981	J	98	80-120
Barium	1.00	1.03		103	80-120
Beryllium	1.00	1.07		107	80-120
Cadmium	1.00	0.993	J	99	80-120
Chromium	1.00	1.01	J	101	80-120
Cobalt	1.00	1.03		103	80-120
Copper	1.00	1.03	J	103	80-120
Lead	1.00	1.01		101	80-120
Manganese	1.00	1.04		104	80-120
Molybdenum	1.00	1.02	J	102	80-120
Nickel	1.00	1.02	J	102	80-120
Selenium	1.00	1.05	J	105	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Method: 6020 Instrument ID: MT_024

Lab Sample ID: CRI 280-114972/7 Concentration Units: ug/L

CRQL Check Standard Source: MS RL STD_00557

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	1.02	J	102	80-120
Thallium	1.00	1.03		103	80-120
Vanadium	1.00	1.06	J	106	80-120
Zinc	10.0	10.1		101	80-120

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-114798/13 04/09/2012 14:52		CCB 280-114798/56 04/10/2012 00:41		CCB 280-114798/66 04/10/2012 01:04			
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	30	U	30	U	30	U		
Boron	100	7.0	U	7.0	U	7.0	U		
Magnesium	200	25	U	25	U	25	U		
Antimony	10	8.0	U	8.0	U	3.57	J		
Arsenic	15	12	U	12	U	12	U		
Barium	10	1.5	U	1.5	U	1.5	U		
Beryllium	1.0	0.50	U	0.50	U	0.50	U		
Cadmium	5.0	0.80	U	0.80	U	0.80	U		
Calcium	200	80	U	80	U				
Chromium	10	1.5	U	1.5	U	1.5	U		
Cobalt	5.0	2.0	U	2.0	U	2.0	U		
Copper	15	3.5	U	3.5	U				
Iron	100	30	U	30	U	30	U		
Lead	9.0	5.0	U	5.0	U	5.0	U		
Manganese	10	0.50	U	0.50	U	0.260	J		
Molybdenum	20	7.0	U	7.0	U	7.0	U		
Nickel	40	3.0	U	3.0	U	3.0	U		
Potassium	3000	250	U	250	U				
Selenium	15	12	U	12	U	12	U		
Silver	10	2.0	U	1.07	J	1.03	J		
Sodium	1000	250	U	196	J				
Strontium	10	0.50	U	0.50	U	0.50	U		
Thallium	15	12	U	12	U	12	U		
Vanadium	10	2.5	U	2.5	U	2.5	U		
Zinc	20	13	U	13	U	8.13	J		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-114957/11 04/10/2012 09:55		CCB 280-114957/25 04/10/2012 11:41		CCB 280-114957/35 04/10/2012 12:08			
		Found	C	Found	C	Found	C	Found	C
Calcium	200	80	U	80	U	80	U		
Iron	100	30	U	30	U	30	U		
Potassium	3000	250	U	250	U	250	U		
Sodium	1000	250	U	250	U	250	U		
Aluminum	100	30	U	30	U	30	U		
Antimony	10	8.0	U	8.0	U	8.0	U		
Arsenic	15	12	U	12	U	12	U		
Barium	10	1.5	U	1.5	U	1.5	U		
Beryllium	1.0	0.50	U	0.50	U	0.50	U		
Boron	100	7.0	U	7.0	U	7.0	U		
Cadmium	5.0	0.80	U	0.80	U	0.80	U		
Chromium	10	1.5	U	1.5	U	1.5	U		
Cobalt	5.0	2.0	U	2.0	U	2.0	U		
Copper	15	3.5	U	3.5	U	3.5	U		
Lead	9.0	5.0	U	5.0	U	5.0	U		
Magnesium	200	25	U	25	U	25	U		
Manganese	10	0.50	U	0.50	U	0.50	U		
Molybdenum	20	7.0	U	7.0	U	7.0	U		
Nickel	40	3.0	U	3.0	U	3.0	U		
Selenium	15	12	U	12	U	12	U		
Silver	10	2.0	U	2.0	U	2.0	U		
Strontium	10	0.50	U	0.50	U	0.50	U		
Thallium	15	12	U	12	U	12	U		
Vanadium	10	2.5	U	2.5	U	2.5	U		
Zinc	20	13	U	13	U	13	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-114003/14 04/02/2012 11:35		CCB 280-114003/20 04/02/2012 12:19		CCB 280-114003/32 04/02/2012 12:48		CCB 280-114003/44 04/02/2012 13:18	
		Found	C	Found	C	Found	C	Found	C
Calcium	200	80	U	80	U	80	U	80	U
Iron	100	30	U	30	U	30	U	30	U
Magnesium	200	25	U	25	U	25	U	25	U
Potassium	3000	250	U	250	U	250	U	250	U
Sodium	1000	250	U	250	U	250	U	250	U
Aluminum	100	30	U	30	U	30	U	30	U
Antimony	10	8.0	U	8.0	U	3.59	J	5.67	J
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	1.73	J
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Selenium	15	12	U	12	U	12	U	12	U
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-114077/11 04/03/2012 10:36		CCB 280-114077/31 04/03/2012 11:42		CCB 280-114077/42 04/03/2012 12:15		CCB 280-114077/55 04/03/2012 12:47	
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	30	U	30	U	30	U	30	U
Boron	100	7.0	U	7.0	U	7.0	U	7.0	U
Iron	100	30	U	30	U	30	U	30	U
Antimony	10	3.36	J	3.26	J	4.30	J	8.0	U
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	80	U	80	U	80	U
Chromium	10	1.5	U	1.5	U	0.690	J	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	250	U	167	J	250	U	250	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-114025/6 04/02/2012 17:30		CCB 280-114025/15 04/02/2012 17:56		CCB 280-114025/41 04/02/2012 19:10		CCB 280-114025/53 04/02/2012 19:44	
		Found	C	Found	C	Found	C	Found	C
Antimony	2.0	0.60	U	0.60	U	0.60	U	0.60	U
Arsenic	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Barium	1.0	0.85	U	0.85	U	0.85	U	0.85	U
Beryllium	1.0	0.24	U	0.24	U	0.24	U	0.24	U
Cadmium	1.0	0.12	U	0.12	U	0.12	U	0.12	U
Chromium	2.0	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	1.0	0.10	U	0.10	U	0.10	U	0.10	U
Copper	2.0	1.5	U	1.5	U	1.5	U	1.5	U
Lead	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Manganese	1.0	0.90	U	0.90	U	0.90	U	0.90	U
Molybdenum	2.0	0.40	U	0.40	U	0.40	U	0.40	U
Nickel	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Selenium	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Silver	5.0	0.10	U	0.10	U	0.10	U	0.10	U
Thallium	1.0	0.10	U	0.0541	J	0.10	U	0.10	U
Vanadium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Zinc	10	6.0	U	6.0	U	6.0	U	6.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 280-114025/63 04/02/2012 20:13		CCB 280-114025/73 04/02/2012 20:42					
		Found	C	Found	C	Found	C	Found	C
Antimony	2.0	0.60	U	0.60	U				
Arsenic	5.0	1.0	U	1.0	U				
Barium	1.0	0.85	U	0.85	U				
Beryllium	1.0	0.24	U	0.24	U				
Cadmium	1.0	0.12	U	0.12	U				
Chromium	2.0	1.5	U	1.5	U				
Cobalt	1.0	0.10	U	0.10	U				
Copper	2.0	1.5	U	1.5	U				
Lead	1.0	0.50	U	0.50	U				
Manganese	1.0	0.90	U	0.90	U				
Molybdenum	2.0	0.40	U	0.40	U				
Nickel	2.0	0.90	U	0.90	U				
Selenium	5.0	2.0	U	2.0	U				
Silver	5.0	0.10	U	0.10	U				
Thallium	1.0	0.10	U	0.10	U				
Vanadium	5.0	1.0	U	1.0	U				
Zinc	10	6.0	U	6.0	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-114972/6 04/10/2012 16:14		CCB 280-114972/15 04/10/2012 16:40		CCB 280-114972/24 04/10/2012 17:06		CCB 280-114972/54 04/10/2012 18:32	
		Found	C	Found	C	Found	C	Found	C
Antimony	2.0	0.60	U	0.60	U	0.60	U	0.60	U
Arsenic	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Barium	1.0	0.85	U	0.85	U	0.85	U	0.85	U
Beryllium	1.0	0.24	U	0.24	U	0.24	U	0.24	U
Cadmium	1.0	0.12	U	0.12	U	0.12	U	0.12	U
Chromium	2.0	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	1.0	0.10	U	0.10	U	0.10	U	0.10	U
Copper	2.0	1.5	U	1.5	U	1.5	U	1.5	U
Lead	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Manganese	1.0	0.90	U	0.90	U	0.90	U	0.90	U
Molybdenum	2.0	0.40	U	0.40	U	0.40	U	0.40	U
Nickel	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Selenium	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Silver	5.0	0.10	U	0.10	U	0.10	U	0.10	U
Thallium	1.0	0.10	U	0.10	U	0.10	U	0.10	U
Vanadium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Zinc	10	6.0	U	6.0	U	6.0	U	6.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 280-114972/61 04/10/2012 18:52							
		Found	C	Found	C	Found	C	Found	C
Antimony	2.0	0.60	U						
Arsenic	5.0	1.0	U						
Barium	1.0	0.85	U						
Beryllium	1.0	0.24	U						
Cadmium	1.0	0.12	U						
Chromium	2.0	1.5	U						
Cobalt	1.0	0.10	U						
Copper	2.0	1.5	U						
Lead	1.0	0.50	U						
Manganese	1.0	0.90	U						
Molybdenum	2.0	0.40	U						
Nickel	2.0	0.90	U						
Selenium	5.0	2.0	U						
Silver	5.0	0.10	U						
Thallium	1.0	0.10	U						
Vanadium	5.0	1.0	U						
Zinc	10	6.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-114184/9 04/03/2012 16:58		CCB 280-114184/12 04/03/2012 17:04		CCB 280-114184/24 04/03/2012 17:32		CCB 280-114184/32 04/03/2012 17:51	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.10	U	0.10	U	0.10	U	0.10	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-114270/9 04/04/2012 11:41		CCB 280-114270/12 04/04/2012 11:48		CCB 280-114270/24 04/04/2012 12:16		CCB 280-114270/36 04/04/2012 12:43	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.0380	J	0.0370	J	0.0380	J	0.0370	J

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 280-114270/48 04/04/2012 13:11							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.0370	J						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-113656/1-A

Instrument Code: MT_026 Batch No.: 114003

CAS No.	Analyte	Concentration	C	Q	Method
7440-70-2	Calcium	19	U		6010B
7439-89-6	Iron	4.7	U		6010B
7439-95-4	Magnesium	4.7	U		6010B
7440-09-7	Potassium	47	U		6010B
7440-23-5	Sodium	93	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-113656/1-A

Instrument Code: MT_026 Batch No.: 114077

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	2.8	U		6010B
7440-42-8	Boron	1.31	J		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-114545/1-A

Instrument Code: MT_025 Batch No.: 114798

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	30	U		6010B
7439-95-4	Magnesium	25	U		6010B
7440-42-8	Boron	4.0	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-114545/1-A

Instrument Code: MT_025 Batch No.: 114957

CAS No.	Analyte	Concentration	C	Q	Method
7440-70-2	Calcium	80	U		6010B
7439-89-6	Iron	30	U		6010B
7440-09-7	Potassium	250	U		6010B
7440-23-5	Sodium	250	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/Kg Lab Sample ID: MB 280-113654/1-A

Instrument Code: MT_024 Batch No.: 114025

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	40	U		6020
7440-38-2	Arsenic	150	U		6020
7440-39-3	Barium	79.7	J		6020
7440-41-7	Beryllium	64	U		6020
7440-43-9	Cadmium	10.1	J	Q	6020
7440-47-3	Chromium	170	U		6020
7440-48-4	Cobalt	18	U		6020
7440-50-8	Copper	83.5	J		6020
7439-92-1	Lead	40.0	J		6020
7439-96-5	Manganese	89	U		6020
7439-98-7	Molybdenum	50	U		6020
7440-02-0	Nickel	74	U		6020
7782-49-2	Selenium	250	U		6020
7440-22-4	Silver	59	U		6020
7440-28-0	Thallium	9.9	U		6020
7440-62-2	Vanadium	99	U		6020
7440-66-6	Zinc	890	U		6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-114586/1-A

Instrument Code: MT_024 Batch No.: 114972

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	0.20	U		6020
7440-38-2	Arsenic	0.60	U		6020
7440-39-3	Barium	0.85	U		6020
7440-41-7	Beryllium	0.24	U		6020
7440-43-9	Cadmium	0.12	U	Q	6020
7440-47-3	Chromium	1.5	U		6020
7440-48-4	Cobalt	0.030	U		6020
7440-50-8	Copper	1.5	U		6020
7439-92-1	Lead	0.50	U		6020
7439-96-5	Manganese	0.90	U		6020
7439-98-7	Molybdenum	0.40	U		6020
7440-02-0	Nickel	0.90	U		6020
7782-49-2	Selenium	2.0	U		6020
7440-22-4	Silver	0.045	U		6020
7440-28-0	Thallium	0.060	U		6020
7440-62-2	Vanadium	0.40	U		6020
7440-66-6	Zinc	6.0	U		6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 280-114152/1-A

Instrument Code: MT_034 Batch No.: 114270

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.0380	J		7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Concentration Units: ug/Kg Lab Sample ID: MB 280-113941/1-A

Instrument Code: MT_034 Batch No.: 114184

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	12	U		7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSA 280-114798/16 Instrument ID: MT_025

Lab File ID: 25A4040912.asc ICS Source: ICP ICSA_00054

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**507380**	**101**
Boron		**-2.83**	
Magnesium	**500000**	**497240**	**99**
Antimony		*-1.79*	
Arsenic		*0.0600*	
Barium		*0.360*	
Beryllium		*0.130*	
Cadmium		*0.130*	
Calcium	*500000*	*462190*	*92*
Chromium		*3.02*	
Cobalt		*-0.480*	
Copper		*4.37*	
Iron	*200000*	*191440*	*96*
Lead		*2.51*	
Lithium		*2.42*	
Manganese		*-0.370*	
Molybdenum		*-3.02*	
Nickel		*-1.59*	
Phosphorus		*-4.50*	
Potassium		*55.1*	
Selenium		*4.07*	
Silicon		*-9.42*	
Silver		*0.750*	
SiO2		*-20.2*	
Sodium		*198*	
Strontium		*1.96*	
Thallium		*1.80*	
Thorium		*-6.44*	
Tin		*-0.470*	
Titanium		*0.580*	
Vanadium		*1.66*	
Zinc		*4.56*	
Zirconium		*-0.890*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSAB 280-114798/17 Instrument ID: MT_025

Lab File ID: 25A4040912.asc ICS Source: ICP ICSAB_00047

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**500000**	**512120**	**102**
Boron	**2000**	**1941**	**97**
Magnesium	**500000**	**504050**	**101**
Antimony	*1000*	*998*	*100*
Arsenic	*2000*	*2017*	*101*
Barium	*500*	*506*	*101*
Beryllium	*500*	*480*	*96*
Cadmium	*1000*	*1047*	*105*
Calcium	*500000*	*471560*	*94*
Chromium	*500*	*487*	*97*
Cobalt	*500*	*465*	*93*
Copper	*500*	*548*	*110*
Iron	*200000*	*192430*	*96*
Lead	*1000*	*913*	*91*
Lithium	*1000*	*1051*	*105*
Manganese	*500*	*504*	*101*
Molybdenum	*1000*	*945*	*94*
Nickel	*1000*	*917*	*92*
Phosphorus	*2000*	*1958*	*98*
Potassium	*50000*	*52727*	*105*
Selenium	*5000*	*5106*	*102*
Silicon	*10000*	*10227*	*102*
Silver	*1000*	*1127*	*113*
SiO2	*21400*	*21885*	*102*
Sodium	*50000*	*52640*	*105*
Strontium	*1000*	*998*	*100*
Thallium	*10000*	*8612*	*86*
Thorium	*2000*	*2059*	*103*
Tin	*10000*	*9101*	*91*
Titanium	*1000*	*988*	*99*
Vanadium	*500*	*503*	*101*
Zinc	*1000*	*974*	*97*
Zirconium	*1000*	*891*	*89*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSAB 280-114957/16 Instrument ID: MT_025

Lab File ID: 25A2041012.asc ICS Source: ICP ICSAB_00047

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Calcium	**500000**	**446580**	**89**
Iron	**200000**	**188780**	**94**
Potassium	**50000**	**51108**	**102**
Sodium	**50000**	**52045**	**104**
Aluminum	*500000*	*504850*	*101*
Antimony	*1000*	*1003*	*100*
Arsenic	*2000*	*2055*	*103*
Barium	*500*	*487*	*97*
Beryllium	*500*	*469*	*94*
Boron	*2000*	*1978*	*99*
Cadmium	*1000*	*1045*	*104*
Chromium	*500*	*487*	*97*
Cobalt	*500*	*467*	*93*
Copper	*500*	*534*	*107*
Lead	*1000*	*940*	*94*
Lithium	*1000*	*1020*	*102*
Magnesium	*500000*	*504250*	*101*
Manganese	*500*	*499*	*100*
Molybdenum	*1000*	*943*	*94*
Nickel	*1000*	*920*	*92*
Phosphorus	*2000*	*2003*	*100*
Selenium	*5000*	*5079*	*102*
Silicon	*10000*	*9963*	*100*
Silver	*1000*	*1106*	*111*
SiO2	*21400*	*21321*	*100*
Strontium	*1000*	*967*	*97*
Thallium	*10000*	*8542*	*85*
Thorium	*2000*	*2011*	*101*
Tin	*10000*	*9063*	*91*
Titanium	*1000*	*982*	*98*
Vanadium	*500*	*497*	*99*
Zinc	*1000*	*980*	*98*
Zirconium	*1000*	*949*	*95*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSA 280-114957/17 Instrument ID: MT_025

Lab File ID: 25A2041012.asc ICS Source: ICP ICSA_00054

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Calcium	**500000**	**443460**	**89**
Iron	**200000**	**187190**	**94**
Potassium		**83.0**	
Sodium		**104**	
Aluminum	*500000*	*499390*	*100*
Antimony		*-1.42*	
Arsenic		*-2.64*	
Barium		*0.650*	
Beryllium		*-0.0200*	
Boron		*-2.57*	
Cadmium		*0.330*	
Chromium		*3.29*	
Cobalt		*-0.450*	
Copper		*4.84*	
Lead		*4.45*	
Lithium		*4.06*	
Magnesium	*500000*	*484860*	*97*
Manganese		*-0.390*	
Molybdenum		*-3.11*	
Nickel		*-2.14*	
Phosphorus		*-7.00*	
Selenium		*5.49*	
Silicon		*-14.4*	
Silver		*0.390*	
SiO2		*-30.8*	
Strontium		*1.81*	
Thallium		*0.260*	
Thorium		*1.93*	
Tin		*1.37*	
Titanium		*0.320*	
Vanadium		*1.71*	
Zinc		*1.39*	
Zirconium		*-1.02*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSA 280-114003/15 Instrument ID: MT_026

Lab File ID: 26a040212.asc ICS Source: ICP ICSA_00054

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Calcium	**500000**	**481930**	**96**
Iron	**200000**	**192880**	**96**
Magnesium	**500000**	**511420**	**102**
Potassium		**-189**	
Sodium		**-19.7**	
Aluminum	*500000*	*505820*	*101*
Antimony		*-6.14*	
Arsenic		*-3.00*	
Barium		*-0.100*	
Beryllium		*-0.0500*	
Boron		*-2.55*	
Cadmium		*0.900*	
Chromium		*2.64*	
Cobalt		*-1.21*	
Copper		*4.58*	
Lead		*2.02*	
Lithium		*1.22*	
Molybdenum		*-1.68*	
Nickel		*5.67*	
Phosphorus		*0.370*	
Selenium		*-3.87*	
Silicon		*11.5*	
Silver		*-1.09*	
Strontium		*2.27*	
Thallium		*-1.97*	
Thorium		*-17.5*	
Tin		*-1.40*	
Titanium		*-2.75*	
Vanadium		*2.98*	
Zinc		*5.71*	
Zirconium		*-0.280*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSAB 280-114003/16 Instrument ID: MT_026

Lab File ID: 26a040212.asc ICS Source: ICP ICSAB_00047

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Calcium	**500000**	**489500**	**98**
Iron	**200000**	**196330**	**98**
Magnesium	**500000**	**528160**	**106**
Potassium	**50000**	**54331**	**109**
Sodium	**50000**	**52592**	**105**
Aluminum	*500000*	*515660*	*103*
Antimony	*1000*	*1022*	*102*
Arsenic	*2000*	*2063*	*103*
Barium	*500*	*511*	*102*
Beryllium	*500*	*498*	*100*
Boron	*2000*	*1942*	*97*
Cadmium	*1000*	*1052*	*105*
Chromium	*500*	*493*	*99*
Cobalt	*500*	*472*	*94*
Copper	*500*	*557*	*111*
Lead	*1000*	*943*	*94*
Lithium	*1000*	*1072*	*107*
Manganese	*500*	*518*	*104*
Molybdenum	*1000*	*973*	*97*
Nickel	*1000*	*951*	*95*
Phosphorus	*2000*	*2005*	*100*
Selenium	*5000*	*5071*	*101*
Silicon	*10000*	*10573*	*106*
Silver	*1000*	*1113*	*111*
Strontium	*1000*	*1034*	*103*
Thallium	*10000*	*8708*	*87*
Thorium	*2000*	*2057*	*103*
Tin	*10000*	*9155*	*92*
Titanium	*1000*	*1012*	*101*
Vanadium	*500*	*517*	*103*
Zinc	*1000*	*1010*	*101*
Zirconium	*1000*	*970*	*97*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSA 280-114077/15 Instrument ID: MT_026

Lab File ID: 26a040312.asc ICS Source: ICP ICSA_00054

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**511980**	**102**
Boron		**-2.13**	
Iron	**200000**	**192240**	**96**
Antimony		*0.210*	
Arsenic		*-8.41*	
Barium		*0.300*	
Beryllium		*-0.170*	
Cadmium		*0.430*	
Calcium	*500000*	*483400*	*97*
Cobalt		*-0.910*	
Lead		*1.85*	
Lithium		*-0.230*	
Magnesium	*500000*	*505420*	*101*
Molybdenum		*-1.12*	
Phosphorus		*8.75*	
Potassium		*-24.5*	
Selenium		*-5.82*	
Silicon		*10.8*	
Silver		*-0.190*	
Sodium		*112*	
Strontium		*1.99*	
Thallium		*-0.0900*	
Thorium		*-7.18*	
Tin		*1.36*	
Titanium		*-1.76*	
Zinc		*9.42*	
Zirconium		*-0.0600*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSAB 280-114077/16 Instrument ID: MT_026

Lab File ID: 26a040312.asc ICS Source: ICP ICSAB_00047

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**512600**	**103**
Boron	**2000**	**1902**	**95**
Iron	**200000**	**191190**	**96**
Antimony	*1000*	*989*	*99*
Arsenic	*2000*	*2003*	*100*
Barium	*500*	*504*	*101*
Beryllium	*500*	*483*	*97*
Cadmium	*1000*	*1032*	*103*
Calcium	*500000*	*479710*	*96*
Chromium	*500*	*492*	*98*
Cobalt	*500*	*467*	*93*
Copper	*500*	*539*	*108*
Lead	*1000*	*930*	*93*
Lithium	*1000*	*1030*	*103*
Magnesium	*500000*	*507630*	*102*
Manganese	*500*	*505*	*101*
Molybdenum	*1000*	*957*	*96*
Nickel	*1000*	*925*	*93*
Phosphorus	*2000*	*1946*	*97*
Potassium	*50000*	*51805*	*104*
Selenium	*5000*	*4863*	*97*
Silicon	*10000*	*10145*	*101*
Silver	*1000*	*1113*	*111*
Sodium	*50000*	*51619*	*103*
Strontium	*1000*	*994*	*99*
Thallium	*10000*	*8529*	*85*
Thorium	*2000*	*2050*	*103*
Tin	*10000*	*9259*	*93*
Titanium	*1000*	*1002*	*100*
Vanadium	*500*	*519*	*104*
Zinc	*1000*	*992*	*99*
Zirconium	*1000*	*958*	*96*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSA 280-114025/9 Instrument ID: MT_024

Lab File ID: 010ICSA.D ICS Source: MS ICSA_00539

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**0.304**	
Arsenic		**0.527**	
Barium		**0.175**	
Beryllium		**0.0039**	
Cadmium		**0.626**	
Chromium		**1.22**	
Cobalt		**0.0504**	
Copper		**0.352**	
Lead		**0.141**	
Manganese		**0.321**	
Molybdenum	**2000**	**2039**	**102**
Nickel		**0.828**	
Selenium		**0.0005**	
Silver		**0.0598**	
Thallium		**0.0415**	
Vanadium		**-0.0019**	
Zinc		**2.49**	
Tin		*0.126*	
Uranium		*0.0010*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSAB 280-114025/10 Instrument ID: MT_024

Lab File ID: 011ICSB.D ICS Source: MS ICSAB_00546

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Antimony	**100**	**105**	**105**
Arsenic	**100**	**106**	**106**
Barium	**100**	**106**	**106**
Beryllium	**100**	**99.2**	**99**
Cadmium	**100**	**99.0**	**99**
Chromium	**100**	**104**	**104**
Cobalt	**100**	**99.7**	**100**
Copper	**100**	**91.8**	**92**
Lead	**100**	**97.0**	**97**
Manganese	**100**	**100**	**100**
Molybdenum	**2100**	**2224**	**106**
Nickel	**100**	**93.4**	**93**
Selenium	**100**	**109**	**109**
Silver	**100**	**90.0**	**90**
Thallium	**100**	**97.1**	**97**
Vanadium	**100**	**107**	**107**
Zinc	**100**	**100**	**100**
Tin	*100*	*104*	*104*
Uranium	*100*	*107*	*107*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSA 280-114972/9 Instrument ID: MT_024

Lab File ID: 010ICSA.D ICS Source: MS ICSA_00542

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**0.286**	
Arsenic		**0.539**	
Barium		**0.179**	
Beryllium		**0.0055**	
Cadmium		**0.721**	
Chromium		**1.16**	
Cobalt		**0.0568**	
Copper		**0.354**	
Lead		**0.138**	
Manganese		**0.461**	
Molybdenum	**2000**	**2066**	**103**
Nickel		**0.828**	
Selenium		**0.0153**	
Silver		**0.0651**	
Thallium		**0.0243**	
Vanadium		**-0.0335**	
Zinc		**2.49**	
Tin		*0.139*	
Uranium		*0.0025*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Lab Sample ID: ICSAB 280-114972/10 Instrument ID: MT_024

Lab File ID: 011ICSB.D ICS Source: MS ICSAB_00550

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Antimony	**100**	**104**	**104**
Arsenic	**100**	**101**	**101**
Barium	**100**	**104**	**104**
Beryllium	**100**	**101**	**101**
Cadmium	**100**	**96.6**	**97**
Chromium	**100**	**97.9**	**98**
Cobalt	**100**	**95.6**	**96**
Copper	**100**	**88.4**	**88**
Lead	**100**	**96.5**	**97**
Manganese	**100**	**97.1**	**97**
Molybdenum	**2100**	**2149**	**102**
Nickel	**100**	**88.7**	**89**
Selenium	**100**	**103**	**103**
Silver	**100**	**88.2**	**88**
Thallium	**100**	**97.6**	**98**
Vanadium	**100**	**101**	**101**
Zinc	**100**	**97.1**	**97**
Tin	*100*	*102*	*102*
Uranium	*100*	*111*	*111*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: UNK10101AA MS
Lab ID: 280-27123-1 MS
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 64.1

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	4570		2300		300	757	80-120	D 4	6010B
Calcium	8610		990		7500	102	80-120		6010B
Iron	270000		240000		150	19997	80-120	D 4	6010B
Magnesium	7470		200		7500	97	80-120		6010B
Potassium	8430		150	J	7500	110	80-120		6010B
Sodium	8150		130	U	7500	109	80-120		6010B
Boron	150		6.6	U	150	100	75-107	D	6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: UNK10101AA MS
Lab ID: 280-27123-1 MS
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG No.:
Matrix: Solid
Concentration Units: ug/Kg
% Solids: 64.1

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	17400		6000		26000	44	82-110	J	6020
Arsenic	55600		30000		26000	97	83-111		6020
Barium	3420000		3400000		26000	-63	86-120	D 4	6020
Beryllium	24200		69	J	26000	93	70-136		6020
Cadmium	31800		5300		26000	102	85-109	Q	6020
Chromium	102000		96000		26000	24	87-121	J	6020
Cobalt	44900		28000		26000	67	91-113	J	6020
Copper	276000		330000		26000	-198	87-125	D 4	6020
Lead	1400000		800000		26000	2338	81-125	D 4	6020
Manganese	1850000		1800000		26000	122	86-120	D 4	6020
Molybdenum	28000		5100		26000	88	80-120		6020
Nickel	140000		180000		26000	-151	90-113	D 4	6020
Selenium	16500		320	J	26000	62	78-108	J	6020
Silver	25800		880		26000	96	83-113		6020
Thallium	25600		99	J	26000	98	84-124		6020
Vanadium	34300		5200		26000	112	88-114		6020
Zinc	3430000		3700000		26000	-1123	85-119	D 4	6020
Mercury	2470		820		629	262	80-120	D J	7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: UNK10101AA MSD
Lab ID: 280-27123-1 MSD
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 64.1

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	3260		300	320	80-120	33	20	D 4 J	6010B
Calcium	8410		7500	99	80-120	2	20		6010B
Iron	470000		150	153932	80-120	54	20	D 4 J	6010B
Magnesium	7120		7500	92	80-120	5	20		6010B
Potassium	8220		7500	108	80-120	2	20		6010B
Sodium	8570		7500	114	80-120	5	20		6010B
Boron	148		150	99	75-107	1	20	D	6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: UNK10101AA MSD
Lab ID: 280-27123-1 MSD
Lab Name: TestAmerica Denver
Job No.: 280-27123-1
SDG No.:
Matrix: Solid
Concentration Units: ug/Kg
% Solids: 64.1

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	18000		29700	40	82-110	4	20	J	6020
Arsenic	72100		29700	141	83-111	26	20	J	6020
Barium	1000000		29700	-8174	86-120	109	20	D 4 J	6020
Beryllium	29400		29700	99	70-136	19	20		6020
Cadmium	35200		29700	101	85-109	10	20	Q	6020
Chromium	93300		29700	-8	87-121	9	20	J	6020
Cobalt	53100		29700	86	91-113	17	20	J	6020
Copper	380000		29700	178	87-125	32	20	D 4 J	6020
Lead	938000		29700	474	81-125	40	20	D 4 J	6020
Manganese	2170000		29700	1205	86-120	16	20	D 4	6020
Molybdenum	36300		29700	105	80-120	26	20	J	6020
Nickel	140000		29700	-133	90-113	0	20	D 4	6020
Selenium	18100		29700	60	78-108	9	20	J	6020
Silver	30600		29700	100	83-113	17	20		6020
Thallium	30100		29700	101	84-124	16	20		6020
Vanadium	39700		29700	116	88-114	15	20	J	6020
Zinc	2410000		29700	-4436	85-119	35	20	D 4 J	6020
Mercury	1470		619	105	80-120	51	20	D J	7471A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: UNK10101AA PDS | Lab ID: 280-27123-1 PDS

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Matrix: Solid | Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	2940		2300		661	97	75-125	D	6010B
Calcium	3680		990		2640	102	75-125		6010B
Iron	234000		240000		661	-918	75-125	D J	6010B
Magnesium	2760		200		2640	97	75-125		6010B
Potassium	3030		150	J	2640	109	75-125		6010B
Sodium	3220		130	U	2640	122	75-125		6010B
Boron	68.8		6.6	U	66.1	104	75-125	D	6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: UNK10101AA PDS Lab ID: 280-27123-1 PDS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Matrix: Solid Concentration Units: ug/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	134000		6000		134000	95	75-125		6020
Arsenic	136000		30000		134000	79	75-125		6020
Barium	5930000		3400000		2690000	93	75-125	D	6020
Beryllium	120000		69	J	134000	89	75-125		6020
Cadmium	133000		5300		134000	95	75-125	Q	6020
Chromium	202000		96000		134000	79	75-125		6020
Cobalt	134000		28000		134000	79	75-125		6020
Copper	2860000		330000		2690000	94	75-125	D	6020
Lead	3300000		800000		2690000	93	75-125	D	6020
Manganese	4260000		1800000		2690000	91	75-125	D	6020
Molybdenum	121000		5100		134000	86	75-125		6020
Nickel	2760000		180000		2690000	96	75-125	D	6020
Selenium	97400		320	J	134000	72	75-125	J	6020
Silver	32500		880		33600	94	75-125		6020
Thallium	126000		99	J	134000	94	75-125		6020
Vanadium	114000		5200		134000	81	75-125		6020
Zinc	6190000		3700000		2690000	92	75-125	D	6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: 032712AE PDS | Lab ID: 280-27123-11 PDS

Lab Name: TestAmerica Denver | Job No.: 280-27123-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	1180		30	U	1000	118	75-125		6010B
Calcium	20300		80	U	20000	102	75-125		6010B
Iron	1050		30	U	1000	105	75-125		6010B
Magnesium	23200		25	U	20000	116	75-125		6010B
Potassium	21100		250	U	20000	105	75-125		6010B
Sodium	22200		250	U	20000	111	75-125		6010B
Boron	101		4.0	U	100	101	75-125		6010B
Antimony	182		0.20	U	200	91	75-125		6020
Arsenic	187		0.60	U	200	93	75-125		6020
Barium	200		0.85	U	200	100	75-125		6020
Beryllium	198		0.24	U	200	99	75-125		6020
Cadmium	183		0.12	U	200	92	75-125	Q	6020
Chromium	186		1.5	U	200	93	75-125		6020
Cobalt	190		0.030	U	200	95	75-125		6020
Copper	185		1.5	U	200	92	75-125		6020
Lead	189		0.50	U	200	94	75-125		6020
Manganese	194		0.90	U	200	97	75-125		6020
Molybdenum	191		0.40	U	200	95	75-125		6020
Nickel	185		0.90	U	200	93	75-125		6020
Selenium	184		2.0	U	200	92	75-125		6020
Silver	46.4		0.045	U	50.0	93	75-125		6020
Thallium	193		0.060	U	200	96	75-125		6020
Vanadium	185		0.40	U	200	93	75-125		6020
Zinc	181		6.0	U	200	91	75-125		6020

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-113656/2-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Solid LCS Source: ICP SPK 3A_00043

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Calcium	4310	4390		102	80	120		6010B
Iron	86.2	91.5		106	80	120		6010B
Magnesium	4310	4350		101	80	120		6010B
Potassium	4310	4490		104	80	120		6010B
Sodium	4310	4520		105	80	120		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-113656/2-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Solid LCS Source: ICP SPK 3A_00043

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	172	172		100	80	120		6010B
Boron	86.2	93.3		108	81	110		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-114545/2-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Water LCS Source: ICP SPK 3A_00043

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	2000	1910		95	80	120		6010B
Magnesium	50000	49500		99	80	120		6010B
Boron	1000	984		98	86	110		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 280-114545/3-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Water LCS Source: ICP SPK 3A_00043

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	1900		2000	95	80-120	0	20		6010B
Magnesium	49300		50000	99	80-120	0	20		6010B
Boron	984		1000	98	86-110	0	20		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-114545/2-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Water LCS Source: ICP SPK 3A_00043

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Calcium	50000	49600		99	80	120		6010B
Iron	1000	1030		103	80	120		6010B
Potassium	50000	51700		103	80	120		6010B
Sodium	50000	53900		108	80	120		6010B

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 280-114545/3-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Water LCS Source: ICP SPK 3A_00043

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Calcium	49200		50000	98	80-120	1	20		6010B
Iron	1010		1000	101	80-120	2	20		6010B
Potassium	51300		50000	103	80-120	1	20		6010B
Sodium	53500		50000	107	80-120	1	20		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-113654/2-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Solid LCS Source: MS CALSTD-2_00064

Analyte	Solid(ug/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	18500	18500		100	82	110		6020
Arsenic	18500	18800		102	83	111		6020
Barium	18500	19200		104	86	120		6020
Beryllium	18500	19100		103	70	136		6020
Cadmium	18500	18500		100	85	109	Q	6020
Chromium	18500	19900		107	87	121		6020
Cobalt	18500	19800		107	91	113		6020
Copper	18500	19700		106	87	125		6020
Lead	18500	19000		103	81	125		6020
Manganese	18500	19400		105	86	120		6020
Molybdenum	18500	18600		100	80	120		6020
Nickel	18500	18900		102	90	113		6020
Selenium	18500	18500		100	78	108		6020
Silver	18500	19400		105	83	113		6020
Thallium	18500	18500		100	84	124		6020
Vanadium	18500	19800		107	88	114		6020
Zinc	18500	18700		101	85	119		6020

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-114586/2-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Water LCS Source: MS CALSTD-2_00063

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	40.0	39.9		100	85	115		6020
Arsenic	40.0	40.0		100	85	117		6020
Barium	40.0	41.7		104	85	118		6020
Beryllium	40.0	41.4		103	80	125		6020
Cadmium	40.0	39.8		99	85	115	Q	6020
Chromium	40.0	42.0		105	84	121		6020
Cobalt	40.0	42.6		106	85	120		6020
Copper	40.0	42.4		106	85	119		6020
Lead	40.0	41.8		104	85	118		6020
Manganese	40.0	43.3		108	85	117		6020
Molybdenum	40.0	41.1		103	85	119		6020
Nickel	40.0	39.8		99	85	119		6020
Selenium	40.0	39.2		98	77	122		6020
Silver	40.0	41.7		104	85	115		6020
Thallium	40.0	42.2		105	85	118		6020
Vanadium	40.0	42.0		105	85	120		6020
Zinc	40.0	40.9		102	83	122		6020

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

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 280-114586/3-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Water LCS Source: MS CALSTD-2_00063

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	39.6		40.0	99	85-115	1	20		6020
Arsenic	40.0		40.0	100	85-117	0	20		6020
Barium	41.6		40.0	104	85-118	0	20		6020
Beryllium	39.5		40.0	99	80-125	5	20		6020
Cadmium	39.6		40.0	99	85-115	0	20	Q	6020
Chromium	42.3		40.0	106	84-121	1	20		6020
Cobalt	43.4		40.0	108	85-120	2	20		6020
Copper	42.5		40.0	106	85-119	0	20		6020
Lead	41.0		40.0	102	85-118	2	20		6020
Manganese	43.2		40.0	108	85-117	0	20		6020
Molybdenum	41.1		40.0	103	85-119	0	20		6020
Nickel	39.9		40.0	100	85-119	0	20		6020
Selenium	39.8		40.0	100	77-122	2	20		6020
Silver	41.2		40.0	103	85-115	1	20		6020
Thallium	41.4		40.0	104	85-118	2	20		6020
Vanadium	42.9		40.0	107	85-120	2	20		6020
Zinc	41.0		40.0	103	83-122	0	20		6020

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-114152/2-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Water LCS Source: Hg Daily Spk_00518

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	4.55		91	80	120		7470A

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-113941/2-A

Lab Name: TestAmerica Denver Job No.: 280-27123-1

Sample Matrix: Solid LCS Source: Hg Daily Spk_00517

Analyte	Solid(ug/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	379	358		95	80	120		7471A

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-27123-1

SDG No:

Lab Name: TestAmerica Denver Job No: 280-27123-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	2300		2300		0.14	D	6010B
Calcium	1000		1040		2.6	D	6010B
Iron	240000		241000		0.50	D	6010B
Magnesium	220		207		NC	D	6010B
Potassium	330	U	330	U	NC		6010B
Sodium	660	U	660	U	NC		6010B
Boron	6.6	U	33	U	NC		6010B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-27123-11

SDG No:

Lab Name: TestAmerica Denver Job No: 280-27123-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	30	U	150	U	NC		6010B
Calcium	80	U	400	U	NC		6010B
Iron	30	U	150	U	NC		6010B
Magnesium	25	U	130	U	NC		6010B
Potassium	250	U	1300	U	NC		6010B
Sodium	250	U	1300	U	NC		6010B
Boron	4.0	U	20	U	NC		6010B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-27123-1

SDG No:

Lab Name: TestAmerica Denver Job No: 280-27123-1

Matrix: Solid Concentration Units: ug/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Antimony	6000		6060		0.40	D	6020
Arsenic	30000		35000		15	D V	6020
Barium	3400000		3230000		5.8	D	6020
Beryllium	69	J	440	U	NC		6020
Cadmium	5300		5530		5.4	D Q	6020
Chromium	96000		112000		17	D V	6020
Cobalt	28000		31900		15	D V	6020
Copper	330000		319000	J	2.5	D	6020
Lead	800000		770000		3.4	D	6020
Manganese	1800000		1780000		1.7	D	6020
Molybdenum	5100		5730		12	D V	6020
Nickel	180000		464000		158	D V	6020
Selenium	320	J	1700	U	NC		6020
Silver	880		939		NC	D	6020
Thallium	99	J	96.5	J	NC	D	6020
Vanadium	5200		7200		38	D V	6020
Zinc	3700000		3570000		4.2	D	6020

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-27123-11

SDG No:

Lab Name: TestAmerica Denver Job No: 280-27123-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Antimony	0.20	U	1.0	U	NC		6020
Arsenic	0.60	U	3.0	U	NC		6020
Barium	0.85	U	4.3	U	NC		6020
Beryllium	0.24	U	1.2	U	NC		6020
Cadmium	0.12	U	0.60	U	NC	Q	6020
Chromium	1.5	U	7.5	U	NC		6020
Cobalt	0.030	U	0.15	U	NC		6020
Copper	1.5	U	7.5	U	NC		6020
Lead	0.50	U	2.5	U	NC		6020
Manganese	0.90	U	4.5	U	NC		6020
Molybdenum	0.40	U	2.0	U	NC		6020
Nickel	0.90	U	4.5	U	NC		6020
Selenium	2.0	U	10	U	NC		6020
Silver	0.045	U	0.23	U	NC		6020
Thallium	0.060	U	0.30	U	NC		6020
Vanadium	0.40	U	2.0	U	NC		6020
Zinc	6.0	U	30	U	NC		6020

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-27123-1

SDG No:

Lab Name: TestAmerica Denver Job No: 280-27123-1

Matrix: Solid Concentration Units: ug/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	820		735	J	NC	D	7471A

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Water Instrument ID: MT_025

Method: 6010B DL Date: 11/30/2009 00:00

Prep Method: 3010A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Aluminum	167	300	18
Boron	208.9	100	4.37
Calcium	317.9	1000	34.5
Iron	259.9	100	22
Magnesium	279	500	10.7
Potassium	766.4	3000	237
Sodium	589.5	5000	91.6

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Water Instrument ID: MT_025

Method: 6010B XMDL Date: 02/23/2011 08:43

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		100	18
Boron		100	4.37
Calcium		200	34.5
Iron		100	22
Magnesium		200	10.7
Potassium		3000	237
Sodium		1000	91.6

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Solid Instrument ID: MT_026

Method: 6010B DL Date: 03/01/2011 13:25

Prep Method: 3050B

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Aluminum	167	50	1.55
Boron	208.9	10	0.98
Calcium	317.9	100	14.1
Iron	259.9	80	3.8
Magnesium	279	30	3.7
Potassium	766.4	300	41
Sodium	589.5	500	59

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Solid Instrument ID: MT_026

Method: 6010B XMDL Date: 03/01/2011 13:26

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		100	18
Boron		100	4.37
Calcium		200	34.5
Iron		100	22
Magnesium		200	10.7
Potassium		3000	237
Sodium		1000	91.6

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Water Instrument ID: MT_024

Method: 6020 DL Date: 03/26/2012 14:37

Prep Method: 3020A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Antimony		6	0.4
Arsenic		5	0.33
Barium		3	0.29
Beryllium		1	0.08
Cadmium		1	0.1
Chromium		10	0.5
Cobalt		1	0.054
Copper		2	0.56
Lead		3	0.18
Manganese		3.5	0.31
Molybdenum		2	0.14
Nickel		3	0.3
Selenium		5	0.7
Silver		5	0.033
Thallium		1	0.05
Vanadium		6	0.5
Zinc		20	2

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Water Instrument ID: MT_024

Method: 6020 XMDL Date: 03/26/2012 14:39

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony		2	0.4
Arsenic		5	0.33
Barium		1	0.29
Beryllium		1	0.08
Cadmium		1	0.1
Chromium		2	0.5
Cobalt		1	0.054
Copper		2	0.56
Lead		1	0.18
Manganese		1	0.31
Molybdenum		2	0.14
Nickel		2	0.3
Selenium		5	0.7
Silver		5	0.033
Thallium		1	0.05
Vanadium		5	0.5
Zinc		10	2

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Solid Instrument ID: MT_024

Method: 6020 DL Date: 06/20/2011 12:23

Prep Method: 3050B

Analyte	Wavelength/ Mass	LOQ (ug/Kg)	DL (ug/Kg)
Antimony	121	200	14
Arsenic	75	500	50.6
Barium	137	250	70.5
Beryllium	9	100	22.5
Cadmium	111	100	9.38
Chromium	52	200	76
Cobalt	59	100	6.63
Copper	63	2500	71.1
Lead	208	100	18.2
Manganese	55	100	33
Molybdenum	95	200	17.6
Nickel	60	350	25.3
Selenium	78	500	133
Silver	107	100	20.3
Thallium	205	100	3.51
Vanadium	51	500	38.5
Zinc	66	2500	316

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Solid Instrument ID: MT_024

Method: 6020 XMDL Date: 03/26/2012 16:25

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony		2	0.4
Arsenic		5	0.33
Barium		1	0.29
Beryllium		1	0.08
Cadmium		1	0.1
Chromium		2	0.5
Cobalt		1	0.054
Copper		2	0.56
Lead		1	0.18
Manganese		1	0.31
Molybdenum		2	0.14
Nickel		2	0.3
Selenium		5	0.7
Silver		5	0.033
Thallium		1	0.05
Vanadium		5	0.5
Zinc		10	2

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Water Instrument ID: MT_034

Method: 7470A DL Date: 11/30/2009 00:00

Prep Method: 7470A

Analyte	Wavelength/ Mass	LOQ (ug/L)	DL (ug/L)
Mercury	253.7	0.2	0.027

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Water Instrument ID: MT_034

Method: 7470A XMDL Date: 11/30/2010 11:23

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.027

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Solid Instrument ID: MT_034

Method: 7471A DL Date: 10/28/2011 16:21

Prep Method: 7471A

Analyte	Wavelength/ Mass	LOQ (ug/Kg)	DL (ug/Kg)
Mercury	253.7	33	5.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Solid Instrument ID: MT_034

Method: 7471A XMDL Date: 11/30/2010 11:26

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.204	0.0664

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001279	
Aluminum	309.271														
Antimony	206.833		0.000024									0.010807		-0.000028	
Arsenic	189.042											-0.013729			
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061											0.002290			
Boron	208.959														
Cadmium	228.802			0.009901							-0.002566				
Calcium	317.933														
Chromium	205.552						-0.002169								
Cobalt	228.616														
Copper	324.754														
Iron	259.940										0.070287				
Iron	271.441														
Lead	220.353		-0.000034										-0.000060	0.000039	
Lithium	670.784								0.000009						
Magnesium	279.079														
Manganese	257.610		0.000001												
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090		0.000006											0.000003	
Silicon	288.158											-0.001431			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000009						
Sulfur	182.034		-0.000192												

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thallium	190.856										0.001073	0.000241			
Thorium	283.730											0.000240		0.000712	
Tin	189.989														
Titanium	334.904											0.000169			
Uranium	370.152				0.001088				-0.000025			-0.001869		0.000228	
Vanadium	292.402											-0.006175			
Zinc	206.200		0.000005									-0.000360			
Zirconium	339.198														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.001655												
Aluminum	167.079														
Antimony	206.833				-0.000334										
Arsenic	189.042				-0.003964										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061													-0.001095	
Boron	208.959				0.030543										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552						0.000151								
Cobalt	228.616			-0.000001	-0.000837		0.000134								
Copper	324.754				0.000500										
Iron	259.940		-0.000894												
Iron	271.441														
Lead	220.353				-0.001354		-0.000117					0.000046			
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284				-0.001305										
Potassium	766.490														
Selenium	196.090			0.000493											
Silicon	288.158														
Silver	328.068				-0.000351										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034			0.003209	-0.003475										

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Thallium	190.856			0.000693											
Thorium	283.730				0.000660		0.000237								
Tin	189.989														
Titanium	334.904		0.000003		0.000889										
Uranium	370.152														
Vanadium	292.402			-0.000497											
Zinc	206.200														
Zirconium	339.198														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833				-0.001827			-0.000984							
Arsenic	189.042														
Barium	455.403							0.001174							
Beryllium	313.042		-0.000435			0.000123									
Bismuth	223.061		-0.001095												
Boron	208.959														
Cadmium	228.802														
Calcium	317.933	-0.000140													
Chromium	205.552	0.000009			0.000018										
Cobalt	228.616		0.002236		0.000080										
Copper	324.754	0.003098	-0.000225		-0.000500	-0.000352		-0.000249							
Iron	259.940					-0.209500									
Iron	271.441														
Lead	220.353		-0.000970		0.000579			-0.000255							
Lithium	670.784														
Magnesium	279.079	-0.054487			-0.013786										
Manganese	257.610				0.000112										
Molybdenum	202.030				0.000112										
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090			-0.000481	-0.001597										
Silicon	288.158														
Silver	328.068	0.000555			0.000928			-0.001256							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Sulfur	182.034					0.001800									

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 01/27/2012

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Thallium	190.856		-0.000398			-0.0004270									
Thorium	283.730				0.019631			0.020865							
Tin	189.989		-0.002941												
Titanium	334.904	0.006421			-0.000559										
Uranium	370.152		0.005239												
Vanadium	292.402	0.000848	0.000278		-0.000636										
Zinc	206.200														
Zirconium	339.198	0.041490													

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001910	
Aluminum	309.271														
Antimony	206.833		-0.000008						-0.000008			0.006305		0.000016	
Arsenic	189.042		0.000004									-0.002115			
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061										-0.002850			-0.000021	
Boron	208.959														
Cadmium	228.802			0.001927							0.000016				
Calcium	317.933														
Chromium	205.552						-0.002780								
Cobalt	228.616					-0.000228									
Copper	324.754														
Iron	259.940														
Iron	271.441										0.109000				
Lead	220.353		-0.000047										0.000046	0.000022	
Lithium	670.784								0.000011						
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090		0.000030						-0.000009					0.000004	
Silicon	288.158											0.000027			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000010						
Thallium	190.856										0.004470	0.000241			

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thorium	283.730	0.000012								-0.000171		-0.000233		0.000695	
Tin	189.989														
Titanium	334.904											0.000169			
Uranium	370.152				0.001355							-0.002090		-0.000217	
Vanadium	292.402											-0.006149			
Zinc	206.200											-0.000639			
Zirconium	339.198													-0.000036	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.003939												
Aluminum	167.079														
Antimony	206.833				-0.002164										
Arsenic	189.042				-0.000564										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061														
Boron	208.959				0.043450										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552				0.000100		0.000046								
Cobalt	228.616				-0.000461		0.000049								
Copper	324.754														
Iron	259.940														
Iron	271.441														
Lead	220.353		0.000001		-0.001630		0.000200				0.000013	0.000561			
Lithium	670.784		0.000008												
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090			0.000468											
Silicon	288.158				-0.005890									0.001650	
Silver	328.068				-0.000308										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Thallium	190.856			0.000720	-0.000286										

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	SiO2	Sn	Sr
Thorium	283.730		-0.000002		0.000415		0.000139								
Tin	189.989														
Titanium	334.904		0.000009		0.000462										
Uranium	370.152				0.001220										
Vanadium	292.402			-0.000305											
Zinc	206.200														
Zirconium	339.198				0.000494							0.000018			

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833				-0.001080			-0.001150							
Arsenic	189.042														
Barium	455.403							0.001353							
Beryllium	313.042		-0.000233												
Bismuth	223.061	0.000544	-0.009276		-0.006227										
Boron	208.959														
Cadmium	228.802														
Calcium	317.933	-0.001874													
Chromium	205.552				0.000035										
Cobalt	228.616		0.001858												
Copper	324.754	0.001946	-0.000535					-0.002353							
Iron	259.940														
Iron	271.441					-0.456000		-0.128890							
Lead	220.353		-0.000765		0.000568										
Lithium	670.784														
Magnesium	279.079	-0.028160			-0.010626										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090	-0.000475			-0.001609										
Silicon	288.158														
Silver	328.068	-0.001149			0.001560			0.002740							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Thallium	190.856		-0.000928		-0.000656	-0.008483									

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 01/27/2012

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Thorium	283.730				0.022130			0.022520							
Tin	189.989		-0.000896												
Titanium	334.904	0.003087			-0.000660										
Uranium	370.152	-0.004100	0.006150												
Vanadium	292.402	0.001332	0.000957		-0.000553										
Zinc	206.200														
Zirconium	339.198	0.043998													

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-27123-1

SDG No.:

Instrument ID: MT_025 Date: 01/27/2012 11:25

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum		1000	6010B
Boron		100	6010B
Calcium		1000	6010B
Iron		2000	6010B
Magnesium		1500	6010B
Potassium		500	6010B
Sodium		10000	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-27123-1

SDG No.:

Instrument ID: MT_026 Date: 01/27/2012 11:28

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum		1000	6010B
Calcium		2000	6010B
Iron		2000	6010B
Magnesium		2000	6010B
Potassium		500	6010B
Sodium		10000	6010B
Boron		100	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-27123-1

SDG No.:

Instrument ID: MT_024 Date: 01/07/2012 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony		4000	6020
Arsenic		4000	6020
Barium		4000	6020
Beryllium		4000	6020
Cadmium		4000	6020
Chromium		4000	6020
Cobalt		4000	6020
Copper		4000	6020
Lead		4000	6020
Manganese		20000	6020
Molybdenum		4000	6020
Nickel		4000	6020
Selenium		4000	6020
Silver		4000	6020
Thallium		4000	6020
Vanadium		4000	6020
Zinc		4000	6020

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-27123-1

SDG No.:

Instrument ID: MT_024 Date: 04/06/2012 11:02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony		4000	6020
Arsenic		4000	6020
Barium		4000	6020
Beryllium		4000	6020
Cadmium		4000	6020
Chromium		4000	6020
Cobalt		4000	6020
Copper		4000	6020
Lead		4000	6020
Manganese		20000	6020
Molybdenum		4000	6020
Nickel		4000	6020
Selenium		4000	6020
Silver		4000	6020
Thallium		4000	6020
Vanadium		4000	6020
Zinc		4000	6020

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-113656/1-A	03/30/2012 14:00	113656	1.07		100
LCS 280-113656/2-A	03/30/2012 14:00	113656	1.16		100
280-27123-1	03/30/2012 14:00	113656	1.18		100
280-27123-1 MS	03/30/2012 14:00	113656	1.04		100
280-27123-1 MSD	03/30/2012 14:00	113656	1.04		100
280-27123-2	03/30/2012 14:00	113656	1.06		100
280-27123-3	03/30/2012 14:00	113656	1.19		100
280-27123-4	03/30/2012 14:00	113656	1.19		100
280-27123-5	03/30/2012 14:00	113656	1.01		100
280-27123-6	03/30/2012 14:00	113656	1.07		100
280-27123-7	03/30/2012 14:00	113656	1.18		100
280-27123-8	03/30/2012 14:00	113656	1.01		100
280-27123-9	03/30/2012 14:00	113656	1.19		100
280-27123-10	03/30/2012 14:00	113656	1.01		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-114545/1-A	04/09/2012 08:30	114545		50	50
LCS 280-114545/2-A	04/09/2012 08:30	114545		50	50
LCSD 280-114545/3-A	04/09/2012 08:30	114545		50	50
280-27123-11	04/09/2012 08:30	114545		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-113654/1-A	03/30/2012 14:00	113654	1.01		100
LCS 280-113654/2-A	03/30/2012 14:00	113654	1.08		100
280-27123-1	03/30/2012 14:00	113654	1.16		100
280-27123-1 DL	03/30/2012 14:00	113654	1.16		100
280-27123-1 MS	03/30/2012 14:00	113654	1.20		100
280-27123-1 MSD	03/30/2012 14:00	113654	1.05		100
280-27123-2	03/30/2012 14:00	113654	1.17		100
280-27123-3	03/30/2012 14:00	113654	1.02		100
280-27123-4	03/30/2012 14:00	113654	1.04		100
280-27123-5	03/30/2012 14:00	113654	1.01		100
280-27123-5 DL	03/30/2012 14:00	113654	1.01		100
280-27123-6	03/30/2012 14:00	113654	1.15		100
280-27123-7	03/30/2012 14:00	113654	1.03		100
280-27123-8	03/30/2012 14:00	113654	1.09		100
280-27123-9	03/30/2012 14:00	113654	1.17		100
280-27123-10	03/30/2012 14:00	113654	1.19		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Prep Method: 3020A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-114586/1-A	04/10/2012 08:30	114586		50	50
LCS 280-114586/2-A	04/10/2012 08:30	114586		50	50
LCSD 280-114586/3-A	04/10/2012 08:30	114586		50	50
280-27123-11	04/10/2012 08:30	114586		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-113941/1-A	04/03/2012 09:35	113941	0.66		50
LCS 280-113941/2-A	04/03/2012 09:35	113941	0.66		50
280-27123-1	04/03/2012 09:35	113941	0.62		50
280-27123-1 MS	04/03/2012 09:35	113941	0.62		50
280-27123-1 MSD	04/03/2012 09:35	113941	0.63		50
280-27123-2	04/03/2012 09:35	113941	0.62		50
280-27123-3	04/03/2012 09:35	113941	0.62		50
280-27123-4	04/03/2012 09:35	113941	0.62		50
280-27123-5	04/03/2012 09:35	113941	0.60		50
280-27123-6	04/03/2012 09:35	113941	0.69		50
280-27123-7	04/03/2012 09:35	113941	0.61		50
280-27123-8	04/03/2012 09:35	113941	0.69		50
280-27123-9	04/03/2012 09:35	113941	0.61		50
280-27123-10	04/03/2012 09:35	113941	0.64		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 280-114152/1-A	04/04/2012 08:40	114152		30	30
LCS 280-114152/2-A	04/04/2012 08:40	114152		30	30
280-27123-11	04/04/2012 08:40	114152		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 04/09/2012 14:18 End Date: 04/10/2012 01:07

Lab Sample ID	D/F	Type	Time	Analytes																				
				Al	B	Mg																		
ICIS 280-114798/1	1		14:18	X	X	X																		
IC 280-114798/2			14:21	X	X	X																		
IC 280-114798/3			14:23	X	X	X																		
ZZZZZZ			14:25																					
ZZZZZZ			14:28																					
ICVH 280-114798/6	1		14:30	X	X	X																		
ZZZZZZ			14:33																					
ICV 280-114798/8	1		14:39	X	X	X																		
ICV 280-114798/9	1		14:41	X	X	X																		
ZZZZZZ			14:45																					
CCVH 280-114798/11			14:48																					
CCV 280-114798/12			14:50																					
ICB 280-114798/13	1		14:52	X	X	X																		
CRI 280-114798/14	1		14:55	X	X	X																		
ZZZZZZ			14:57																					
ICSA 280-114798/16	1		15:03	X	X	X																		
ICSAB 280-114798/17	1		15:06	X	X	X																		
ZZZZZZ			15:08																					
CCVH 280-114798/19			15:11																					
CCV 280-114798/20			15:13																					
CCB 280-114798/21			15:15																					
ZZZZZZ			15:18																					
ZZZZZZ			15:23																					
ZZZZZZ			15:26																					
LRA 280-114798/25			16:04																					
CCVH 280-114798/26			23:30																					
CCV 280-114798/27			23:32																					
CCB 280-114798/28			23:34																					
ZZZZZZ			23:37																					
ZZZZZZ			23:39																					
ZZZZZZ			23:41																					
ZZZZZZ			23:43																					
ZZZZZZ			23:46																					
ZZZZZZ			23:48																					
ZZZZZZ			23:51																					
ZZZZZZ			23:53																					
ZZZZZZ			23:55																					
ZZZZZZ			23:58																					
ZZZZZZ			00:00																					
CCVH 280-114798/40			00:02																					
CCV 280-114798/41			00:05																					
CCB 280-114798/42			00:07																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 04/09/2012 14:18 End Date: 04/10/2012 01:07

Lab Sample ID	D/F	Type	Time	Analytes																				
				Al	B	Mg																		
ZZZZZZ			00:09																					
ZZZZZZ			00:12																					
ZZZZZZ			00:14																					
ZZZZZZ			00:16																					
ZZZZZZ			00:19																					
ZZZZZZ			00:21																					
ZZZZZZ			00:24																					
ZZZZZZ			00:26																					
ZZZZZZ			00:28																					
ZZZZZZ			00:31																					
ZZZZZZ			00:33																					
CCVH 280-114798/54	1		00:36	X	X	X																		
CCV 280-114798/55	1		00:39	X	X	X																		
CCB 280-114798/56	1		00:41	X	X	X																		
ZZZZZZ			00:43																					
MB 280-114545/1-A	1	T	00:46	X	X	X																		
LCS 280-114545/2-A	1	T	00:48	X	X	X																		
LCSD 280-114545/3-A	1	T	00:50	X	X	X																		
280-27123-11	1	T	00:52	X	X	X																		
280-27123-11 SD	5	T	00:55	X	X	X																		
280-27123-11 PDS	1	T	00:57	X	X	X																		
CCVH 280-114798/64	1		00:59	X	X	X																		
CCV 280-114798/65	1		01:02	X	X	X																		
CCB 280-114798/66	1		01:04	X	X	X																		
ZZZZZZ			01:07																					

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 04/10/2012 09:29 End Date: 04/10/2012 14:44

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ca	Fe	K	Na																	
ICIS 280-114957/1	1		09:29	X	X	X	X																	
IC 280-114957/2			09:31	X	X	X	X																	
IC 280-114957/3			09:33	X	X	X	X																	
ZZZZZZ			09:36																					
ZZZZZZ			09:39																					
ICVH 280-114957/6	1		09:42	X	X	X	X																	
ICV 280-114957/7	1		09:45	X	X	X	X																	
ZZZZZZ			09:48																					
CCVH 280-114957/9			09:51																					
CCV 280-114957/10			09:53																					
ICB 280-114957/11	1		09:55	X	X	X	X																	
CRI 280-114957/12	1		09:58	X	X	X	X																	
CRI 280-114957/13			10:05																					
CRI 280-114957/14			10:14																					
ZZZZZZ			10:18																					
ICSAB 280-114957/16	1		10:21	X	X	X	X																	
ICSA 280-114957/17	1		10:29	X	X	X	X																	
LRA 280-114957/18			10:36																					
CCVH 280-114957/19			10:38																					
CCV 280-114957/20			10:41																					
CCB 280-114957/21			10:43																					
ZZZZZZ			10:45																					
CCVH 280-114957/23	1		11:37	X	X	X	X																	
CCV 280-114957/24	1		11:39	X	X	X	X																	
CCB 280-114957/25	1		11:41	X	X	X	X																	
ZZZZZZ			11:44																					
MB 280-114545/1-A	1	T	11:46	X	X	X	X																	
LCS 280-114545/2-A	1	T	11:52	X	X	X	X																	
LCSD 280-114545/3-A	1	T	11:54	X	X	X	X																	
280-27123-11	1	T	11:56	X	X	X	X																	
280-27123-11 SD	5	T	11:58	X	X	X	X																	
280-27123-11 PDS	1	T	12:01	X	X	X	X																	
CCVH 280-114957/33	1		12:03	X	X	X	X																	
CCV 280-114957/34	1		12:05	X	X	X	X																	
CCB 280-114957/35	1		12:08	X	X	X	X																	
ZZZZZZ			12:10																					
ZZZZZZ			12:12																					
ZZZZZZ			12:15																					
ZZZZZZ			12:17																					
ZZZZZZ			12:20																					
ZZZZZZ			12:22																					
ZZZZZZ			12:25																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 04/10/2012 09:29 End Date: 04/10/2012 14:44

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ca	Fe	K	Na																	
ZZZZZZ			12:27																					
ZZZZZZ			12:29																					
ZZZZZZ			12:32																					
ZZZZZZ			12:34																					
CCVH 280-114957/47			12:37																					
CCV 280-114957/48			12:39																					
CCB 280-114957/49			12:41																					
ZZZZZZ			12:44																					
ZZZZZZ			12:46																					
ZZZZZZ			12:48																					
ZZZZZZ			12:51																					
ZZZZZZ			12:53																					
ZZZZZZ			12:56																					
ZZZZZZ			12:58																					
ZZZZZZ			13:01																					
ZZZZZZ			13:03																					
ZZZZZZ			13:06																					
ZZZZZZ			13:08																					
CCVH 280-114957/61			13:10																					
CCV 280-114957/62			13:13																					
CCB 280-114957/63			13:15																					
ZZZZZZ			13:17																					
ZZZZZZ			13:20																					
ZZZZZZ			13:22																					
ZZZZZZ			13:24																					
ZZZZZZ			13:27																					
ZZZZZZ			13:29																					
ZZZZZZ			13:31																					
ZZZZZZ			13:33																					
ZZZZZZ			13:36																					
CCVH 280-114957/73			13:38																					
CCV 280-114957/74			13:40																					
CCB 280-114957/75			13:42																					
ZZZZZZ			13:45																					
ZZZZZZ			13:47																					
ZZZZZZ			13:50																					
ZZZZZZ			13:52																					
ZZZZZZ			13:55																					
ZZZZZZ			13:57																					
ZZZZZZ			13:59																					
ZZZZZZ			14:02																					
ZZZZZZ			14:04																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_025 Method: 6010B

Start Date: 04/10/2012 09:29 End Date: 04/10/2012 14:44

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ca	Fe	K	Na																	
ZZZZZZ			14:07																					
CCVH 280-114957/86			14:09																					
CCV 280-114957/87			14:11																					
CCB 280-114957/88			14:14																					
ZZZZZZ			14:16																					
ZZZZZZ			14:18																					
ZZZZZZ			14:21																					
ZZZZZZ			14:23																					
ZZZZZZ			14:25																					
ZZZZZZ			14:28																					
ZZZZZZ			14:30																					
ZZZZZZ			14:33																					
ZZZZZZ			14:35																					
CCVH 280-114957/98			14:37																					
CCV 280-114957/99			14:40																					
CCB 280-114957/100			14:42																					
ZZZZZZ			14:44																					

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 04/02/2012 10:56 End Date: 04/02/2012 16:48

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ca	Fe	K	Mg	Na																
ICIS 280-114003/1	1		10:56	X	X	X	X	X																
IC 280-114003/2			10:59	X	X	X	X	X																
IC 280-114003/3			11:01	X	X	X	X	X																
ZZZZZZ			11:04																					
ZZZZZZ			11:06																					
ICVH 280-114003/6	1		11:09	X	X	X	X	X																
ICV 280-114003/7	1		11:13	X	X	X	X	X																
ZZZZZZ			11:15																					
CCVH 280-114003/9			11:18																					
CCV 280-114003/10			11:20																					
ZZZZZZ			11:22																					
CRI 280-114003/12	1		11:25	X	X	X	X	X																
CRI 280-114003/13			11:31																					
ICB 280-114003/14	1		11:35	X	X	X	X	X																
ICSA 280-114003/15	1		12:05	X	X	X	X	X																
ICSAB 280-114003/16	1		12:09	X	X	X	X	X																
LRA 280-114003/17			12:12																					
CCVH 280-114003/18	1		12:14	X	X	X	X	X																
CCV 280-114003/19	1		12:17	X	X	X	X	X																
CCB 280-114003/20	1		12:19	X	X	X	X	X																
ZZZZZZ			12:22																					
MB 280-113656/1-A	1	T	12:24	X	X	X	X	X																
LCS 280-113656/2-A	1	T	12:27	X	X	X	X	X																
280-27123-1	1	T	12:29	X		X	X	X																
280-27123-1 SD	5	T	12:31	X		X	X	X																
280-27123-1 MS	1	T	12:34	X		X	X	X																
280-27123-1 MSD	1	T	12:36	X		X	X	X																
280-27123-1 PDS	1	T	12:39	X		X	X	X																
280-27123-2	1	T	12:41	X		X	X	X																
CCVH 280-114003/30	1		12:44	X	X	X	X	X																
CCV 280-114003/31	1		12:46	X	X	X	X	X																
CCB 280-114003/32	1		12:48	X	X	X	X	X																
ZZZZZZ			12:51																					
280-27123-3	1	T	12:53	X		X	X	X																
280-27123-4	1	T	12:56	X		X	X	X																
280-27123-5	1	T	12:58	X		X	X	X																
280-27123-6	1	T	13:01	X	X	X	X	X																
280-27123-7	1	T	13:03	X	X	X	X	X																
280-27123-8	1	T	13:06	X	X	X	X	X																
280-27123-9	1	T	13:08	X		X	X	X																
280-27123-10	1	T	13:10	X	X	X	X	X																
CCVH 280-114003/42	1		13:13	X	X	X	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 04/02/2012 10:56 End Date: 04/02/2012 16:48

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ca	Fe	K	Mg	Na																
CCV 280-114003/43	1		13:15	X	X	X	X	X																
CCB 280-114003/44	1		13:18	X	X	X	X	X																
ZZZZZZ			13:20																					
ZZZZZZ			13:23																					
ZZZZZZ			13:25																					
ZZZZZZ			13:27																					
ZZZZZZ			13:30																					
ZZZZZZ			13:32																					
ZZZZZZ			13:35																					
CCVH 280-114003/52			13:38																					
CCV 280-114003/53			13:41																					
CCB 280-114003/54			13:43																					
ZZZZZZ			13:45																					
ZZZZZZ			13:48																					
ZZZZZZ			13:51																					
ZZZZZZ			13:53																					
ZZZZZZ			13:55																					
ZZZZZZ			13:58																					
ZZZZZZ			14:00																					
ZZZZZZ			14:03																					
ZZZZZZ			14:05																					
ZZZZZZ			14:07																					
CCVH 280-114003/65			14:10																					
CCV 280-114003/66			14:12																					
CCB 280-114003/67			14:14																					
ZZZZZZ			14:17																					
ZZZZZZ			14:19																					
ZZZZZZ			14:22																					
ZZZZZZ			14:24																					
ZZZZZZ			14:27																					
ZZZZZZ			14:29																					
ZZZZZZ			14:31																					
ZZZZZZ			14:34																					
CCVH 280-114003/76			14:36																					
CCV 280-114003/77			14:39																					
CCB 280-114003/78			14:41																					
ZZZZZZ			14:43																					
ZZZZZZ			14:46																					
ZZZZZZ			14:48																					
ZZZZZZ			14:51																					
ZZZZZZ			14:53																					
ZZZZZZ			14:56																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 04/02/2012 10:56 End Date: 04/02/2012 16:48

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ca	Fe	K	Mg	Na																
ZZZZZZ			14:58																					
ZZZZZZ			15:01																					
ZZZZZZ			15:03																					
ZZZZZZ			15:06																					
CCVH 280-114003/89			15:08																					
CCV 280-114003/90			15:10																					
CCB 280-114003/91			15:13																					
ZZZZZZ			15:15																					
ZZZZZZ			15:18																					
ZZZZZZ			15:20																					
ZZZZZZ			15:22																					
ZZZZZZ			15:25																					
ZZZZZZ			15:27																					
ZZZZZZ			15:30																					
ZZZZZZ			15:32																					
ZZZZZZ			15:35																					
CCVH 280-114003/101			15:38																					
CCV 280-114003/102			15:40																					
CCB 280-114003/103			15:42																					
ZZZZZZ			15:45																					
ZZZZZZ			15:48																					
ZZZZZZ			15:50																					
ZZZZZZ			15:53																					
ZZZZZZ			15:55																					
ZZZZZZ			15:58																					
ZZZZZZ			16:00																					
ZZZZZZ			16:03																					
CCVH 280-114003/112			16:05																					
CCV 280-114003/113			16:08																					
CCB 280-114003/114			16:10																					
ZZZZZZ			16:13																					
ZZZZZZ			16:15																					
ZZZZZZ			16:18																					
ZZZZZZ			16:21																					
ZZZZZZ			16:25																					
ZZZZZZ			16:28																					
ZZZZZZ			16:31																					
ZZZZZZ			16:34																					
ZZZZZZ			16:36																					
ZZZZZZ			16:39																					
CCVH 280-114003/125			16:41																					
CCV 280-114003/126			16:43																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 04/02/2012 10:56 End Date: 04/02/2012 16:48

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ca	Fe	K	Mg	Na															
CCB 280-114003/127			16:46																				
ZZZZZZ			16:48																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 04/03/2012 10:10 End Date: 04/03/2012 13:21

Lab Sample ID	D/F	Type	Time	Analytes																				
				Al	B	Fe																		
ICIS 280-114077/1	1		10:10	X	X	X																		
IC 280-114077/2			10:13	X	X	X																		
IC 280-114077/3			10:15	X	X	X																		
ZZZZZZ			10:18																					
ZZZZZZ			10:20																					
ICVH 280-114077/6	1		10:22	X	X	X																		
ICV 280-114077/7	1		10:26	X	X	X																		
ZZZZZZ			10:29																					
CCVH 280-114077/9			10:31																					
CCV 280-114077/10			10:33																					
ICB 280-114077/11	1		10:36	X	X	X																		
CRI 280-114077/12	1		10:38	X	X	X																		
ZZZZZZ			10:46																					
CRI 280-114077/14			10:53																					
ICSA 280-114077/15	1		10:59	X	X	X																		
ICSAB 280-114077/16	1		11:02	X	X	X																		
LRA 280-114077/17			11:05																					
CCVH 280-114077/18			11:08																					
CCV 280-114077/19			11:10																					
CCB 280-114077/20			11:12																					
ZZZZZZ			11:15																					
ZZZZZZ			11:17																					
ZZZZZZ			11:20																					
ZZZZZZ			11:22																					
ZZZZZZ			11:26																					
ZZZZZZ			11:28																					
ZZZZZZ			11:31																					
ZZZZZZ			11:34																					
CCVH 280-114077/29	1		11:37	X	X	X																		
CCV 280-114077/30	1		11:40	X	X	X																		
CCB 280-114077/31	1		11:42	X	X	X																		
ZZZZZZ			11:45																					
MB 280-113656/1-A	1	T	11:47	X	X																			
LCS 280-113656/2-A	1	T	11:53	X	X																			
280-27123-1	5	T	11:59	X	X	X																		
280-27123-1 SD	25	T	12:01	X	X	X																		
280-27123-1 MS	5	T	12:04	X	X	X																		
280-27123-1 MSD	5	T	12:06	X	X	X																		
280-27123-1 PDS	5	T	12:08	X	X	X																		
CCVH 280-114077/40	1		12:11	X	X	X																		
CCV 280-114077/41	1		12:13	X	X	X																		
CCB 280-114077/42	1		12:15	X	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 04/03/2012 10:10 End Date: 04/03/2012 13:21

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B	Fe																	
ZZZZZZ			12:18																				
280-27123-2	5	T	12:20	X	X	X																	
280-27123-3	5	T	12:23	X	X	X																	
280-27123-4	5	T	12:25	X	X	X																	
280-27123-5	5	T	12:28	X	X	X																	
280-27123-6	1	T	12:30	X	X																		
280-27123-7	1	T	12:32	X	X																		
280-27123-8	1	T	12:35	X	X																		
280-27123-9	5	T	12:37	X	X	X																	
280-27123-10	1	T	12:40	X	X																		
CCVH 280-114077/53	1		12:42	X	X	X																	
CCV 280-114077/54	1		12:45	X	X	X																	
CCB 280-114077/55	1		12:47	X	X	X																	
ZZZZZZ			12:49																				
ZZZZZZ			12:52																				
ZZZZZZ			12:54																				
ZZZZZZ			12:57																				
ZZZZZZ			12:59																				
ZZZZZZ			13:02																				
ZZZZZZ			13:04																				
ZZZZZZ			13:07																				
ZZZZZZ			13:09																				
CCVH 280-114077/65			13:11																				
CCV 280-114077/66			13:14																				
CCB 280-114077/67			13:16																				
ZZZZZZ			13:19																				
ZZZZZZ			13:21																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_024 Method: 6020

Start Date: 04/02/2012 17:12 End Date: 04/03/2012 01:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	V	Zn			
ITUNE 280-114025/1			17:12																				
IC 280-114025/2	1		17:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
IC 280-114025/3	1		17:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICV 280-114025/4	1		17:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICVL 280-114025/5			17:27																				
ICB 280-114025/6	1		17:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CRI 280-114025/7	1		17:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			17:36																				
ICSA 280-114025/9	1		17:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICSAB 280-114025/10	1		17:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
RINSE 280-114025/11			17:45																				
LRA 280-114025/12			17:48																				
RINSE 280-114025/13			17:50																				
CCV 280-114025/14	1		17:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB 280-114025/15	1		17:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCVL 280-114025/16			17:59																				
ZZZZZZ			18:02																				
ZZZZZZ			18:05																				
ZZZZZZ			18:07																				
ZZZZZZ			18:10																				
ZZZZZZ			18:13																				
ZZZZZZ			18:16																				
ZZZZZZ			18:19																				
ZZZZZZ			18:21																				
ZZZZZZ			18:24																				
ZZZZZZ			18:27																				
CCV 280-114025/27			18:30																				
CCB 280-114025/28			18:33																				
CCVL 280-114025/29			18:36																				
ZZZZZZ			18:39																				
ZZZZZZ			18:42																				
ZZZZZZ			18:45																				
ZZZZZZ			18:47																				
ZZZZZZ			18:50																				
ZZZZZZ			18:53																				
ZZZZZZ			18:56																				
ZZZZZZ			18:59																				
ZZZZZZ			19:02																				
ZZZZZZ			19:05																				
CCV 280-114025/40	1		19:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB 280-114025/41	1		19:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCVL 280-114025/42			19:13																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_024 Method: 6020

Start Date: 04/02/2012 17:12 End Date: 04/03/2012 01:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	V	Zn			
MB 280-113654/1-A	1	T	19:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
LCS 280-113654/2-A	1	T	19:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
280-27123-1	1	T	19:22	X	X		X	X	X	X			X			X	X	X	X				
280-27123-1 SD	5	T	19:25	X	X		X	X	X	X			X			X	X	X	X				
280-27123-1 PDS	1	T	19:28	X	X		X	X	X	X			X			X	X	X	X				
280-27123-1 MS	1	T	19:30	X	X		X	X	X	X			X			X	X	X	X				
280-27123-1 MSD	1	T	19:33	X	X		X	X	X	X			X			X	X	X	X				
280-27123-2	1	T	19:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
280-27123-3	1	T	19:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCV 280-114025/52	1		19:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB 280-114025/53	1		19:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			19:47																				
280-27123-4	1	T	19:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
280-27123-5	1	T	19:53	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X			
280-27123-6	1	T	19:56	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X			
280-27123-7	1	T	19:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
280-27123-8	1	T	20:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
280-27123-9	1	T	20:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
280-27123-10	1	T	20:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCV 280-114025/62	1		20:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB 280-114025/63	1		20:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			20:16																				
280-27123-1 DL	20	T	20:19			X					X	X		X	X					X			
280-27123-1 SD	100	T	20:22			X					X	X		X	X					X			
280-27123-1 PDS	20	T	20:25			X					X	X		X	X					X			
280-27123-1 MS	20	T	20:27			X					X	X		X	X					X			
280-27123-1 MSD	20	T	20:30			X					X	X		X	X					X			
280-27123-5 DL	20	T	20:33												X								
280-27123-6	1	T	20:36												X								
CCV 280-114025/72	1		20:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB 280-114025/73	1		20:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			20:44																				
IC 280-114025/75			22:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
IC 280-114025/76			22:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCV 280-114025/77			22:20																				
CCB 280-114025/78			22:23																				
ZZZZZZ			22:26																				
CCV 280-114025/80			23:33																				
CCB 280-114025/81			23:36																				
ZZZZZZ			23:39																				
ZZZZZZ			23:41																				
ZZZZZZ			23:44																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_024 Method: 6020

Start Date: 04/02/2012 17:12 End Date: 04/03/2012 01:02

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	V	Zn			
ZZZZZZ			23:47																					
ZZZZZZ			23:50																					
ZZZZZZ			23:53																					
ZZZZZZ			23:56																					
ZZZZZZ			23:59																					
ZZZZZZ			00:02																					
CCV 280-114025/91			00:04																					
CCB 280-114025/92			00:07																					
ZZZZZZ			00:10																					
ZZZZZZ			00:13																					
ZZZZZZ			00:16																					
ZZZZZZ			00:19																					
ZZZZZZ			00:22																					
ZZZZZZ			00:24																					
ZZZZZZ			00:27																					
ZZZZZZ			00:30																					
CCV 280-114025/101			00:33																					
CCB 280-114025/102			00:36																					
ZZZZZZ			00:39																					
ZZZZZZ			00:42																					
ZZZZZZ			00:45																					
ZZZZZZ			00:48																					
ZZZZZZ			00:50																					
ZZZZZZ			00:53																					
ZZZZZZ			00:56																					
CCV 280-114025/110			00:59																					
CCB 280-114025/111			01:02																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_024 Method: 6020

Start Date: 04/10/2012 15:57 End Date: 04/11/2012 03:58

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	V	Zn			
ITUNE 280-114972/1			15:57																				
IC 280-114972/2	1		16:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
IC 280-114972/3	1		16:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICV 280-114972/4	1		16:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			16:11																				
ICB 280-114972/6	1		16:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CRI 280-114972/7	1		16:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			16:20																				
ICSA 280-114972/9	1		16:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICSAB 280-114972/10	1		16:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
RINSE 280-114972/11			16:29																				
LRA 280-114972/12			16:32																				
RINSE 280-114972/13			16:34																				
CCV 280-114972/14	1		16:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB 280-114972/15	1		16:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			16:43																				
MB 280-114586/1-A	1	T	16:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
LCS 280-114586/2-A	1	T	16:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
LCSD 280-114586/3-A	1	T	16:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
280-27123-11	1	T	16:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
280-27123-11 SD	5	T	16:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			17:00																				
CCV 280-114972/23	1		17:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB 280-114972/24	1		17:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			17:09																				
ZZZZZZ			17:12																				
ZZZZZZ			17:14																				
ZZZZZZ			17:17																				
ZZZZZZ			17:20																				
ZZZZZZ			17:23																				
ZZZZZZ			17:26																				
ZZZZZZ			17:29																				
CCV 280-114972/33			17:31																				
CCB 280-114972/34			17:34																				
ZZZZZZ			17:37																				
ZZZZZZ			17:40																				
ZZZZZZ			17:43																				
ZZZZZZ			17:46																				
ZZZZZZ			17:49																				
ZZZZZZ			17:51																				
ZZZZZZ			17:54																				
ZZZZZZ			17:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_024 Method: 6020

Start Date: 04/10/2012 15:57 End Date: 04/11/2012 03:58

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	V	Zn			
CCV 280-114972/43			18:00																				
CCB 280-114972/44			18:03																				
ZZZZZZ			18:06																				
ZZZZZZ			18:09																				
ZZZZZZ			18:12																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				
ZZZZZZ			18:20																				
ZZZZZZ			18:23																				
ZZZZZZ			18:26																				
CCV 280-114972/53	1		18:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB 280-114972/54	1		18:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
280-27123-11 PDS	1	T	18:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			18:37																				
ZZZZZZ			18:40																				
ZZZZZZ			18:43																				
ZZZZZZ			18:46																				
CCV 280-114972/60	1		18:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCB 280-114972/61	1		18:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ			18:55																				
ZZZZZZ			18:58																				
ZZZZZZ			19:01																				
ZZZZZZ			19:04																				
ZZZZZZ			19:07																				
ZZZZZZ			19:09																				
ZZZZZZ			19:12																				
CCV 280-114972/69			19:15																				
CCB 280-114972/70			19:18																				
ZZZZZZ			19:21																				
ZZZZZZ			19:24																				
ZZZZZZ			19:27																				
ZZZZZZ			19:29																				
ZZZZZZ			19:32																				
CCV 280-114972/76			19:35																				
CCB 280-114972/77			19:38																				
RINSE 280-114972/78			19:41																				
RINSE 280-114972/79			19:44																				
RINSE 280-114972/80			19:47																				
RINSE 280-114972/81			19:50																				
RINSE 280-114972/82			19:53																				
ZZZZZZ			19:56																				
ZZZZZZ			19:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_024 Method: 6020

Start Date: 04/10/2012 15:57 End Date: 04/11/2012 03:58

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	As	Ba	Be	Cd	Co	Cr	Cu	Mn	Mo	Ni	Pb	Sb	Se	Tl	V	Zn			
IC 280-114972/85			02:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
IC 280-114972/86			02:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CCV 280-114972/87			02:37																				
CCB 280-114972/88			02:40																				
CCV 280-114972/89			03:06																				
CCB 280-114972/90			03:09																				
ZZZZZZ			03:12																				
ZZZZZZ			03:15																				
ZZZZZZ			03:18																				
ZZZZZZ			03:21																				
ZZZZZZ			03:24																				
ZZZZZZ			03:26																				
ZZZZZZ			03:29																				
CCV 280-114972/98			03:32																				
CCB 280-114972/99			03:35																				
ZZZZZZ			03:38																				
ZZZZZZ			03:41																				
ZZZZZZ			03:44																				
ZZZZZZ			03:47																				
ZZZZZZ			03:50																				
ZZZZZZ			03:53																				
CCV 280-114972/106			03:55																				
CCB 280-114972/107			03:58																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_034 Method: 7470A

Start Date: 04/04/2012 11:20 End Date: 04/04/2012 14:14

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
STD0 280-114270/1 IC			11:20	X																				
STD1 280-114270/2 IC			11:24	X																				
STD2 280-114270/3 IC			11:26	X																				
STD3 280-114270/4 IC			11:29	X																				
STD4 280-114270/5 IC			11:31	X																				
STD5 280-114270/6 IC			11:33	X																				
STD6 280-114270/7 IC			11:36	X																				
ICV 280-114270/8	1		11:38	X																				
ICB 280-114270/9	1		11:41	X																				
CRA 280-114270/10			11:43																					
CCV 280-114270/11	1		11:46	X																				
CCB 280-114270/12	1		11:48	X																				
ZZZZZZ			11:50																					
ZZZZZZ			11:53																					
ZZZZZZ			11:55																					
ZZZZZZ			11:57																					
ZZZZZZ			11:59																					
ZZZZZZ			12:02																					
ZZZZZZ			12:04																					
MB 280-114152/1-A	1	T	12:06	X																				
LCS 280-114152/2-A	1	T	12:09	X																				
ZZZZZZ			12:11																					
CCV 280-114270/23	1		12:13	X																				
CCB 280-114270/24	1		12:16	X																				
ZZZZZZ			12:18																					
ZZZZZZ			12:20																					
ZZZZZZ			12:23																					
ZZZZZZ			12:25																					
ZZZZZZ			12:27																					
ZZZZZZ			12:29																					
ZZZZZZ			12:32																					
ZZZZZZ			12:34																					
ZZZZZZ			12:36																					
ZZZZZZ			12:39																					
CCV 280-114270/35	1		12:41	X																				
CCB 280-114270/36	1		12:43	X																				
280-27123-11	1	T	12:46	X																				
ZZZZZZ			12:48																					
ZZZZZZ			12:50																					
ZZZZZZ			12:53																					
ZZZZZZ			12:55																					
ZZZZZZ			12:57																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_034 Method: 7470A

Start Date: 04/04/2012 11:20 End Date: 04/04/2012 14:14

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
ZZZZZZ			13:00																					
ZZZZZZ			13:02																					
ZZZZZZ			13:04																					
ZZZZZZ			13:07																					
CCV 280-114270/47	1		13:09	X																				
CCB 280-114270/48	1		13:11	X																				
ZZZZZZ			13:13																					
ZZZZZZ			13:16																					
ZZZZZZ			13:18																					
ZZZZZZ			13:20																					
ZZZZZZ			13:23																					
ZZZZZZ			13:25																					
ZZZZZZ			13:27																					
ZZZZZZ			13:30																					
ZZZZZZ			13:32																					
ZZZZZZ			13:34																					
CCV 280-114270/59			13:37																					
CCB 280-114270/60			13:39																					
ZZZZZZ			13:41																					
ZZZZZZ			13:44																					
ZZZZZZ			13:46																					
ZZZZZZ			13:48																					
ZZZZZZ			13:50																					
ZZZZZZ			13:53																					
ZZZZZZ			13:55																					
ZZZZZZ			13:57																					
ZZZZZZ			14:00																					
ZZZZZZ			14:02																					
CCV 280-114270/71			14:04																					
CCB 280-114270/72			14:07																					
ZZZZZZ			14:09																					
CCV 280-114270/74			14:11																					
CCB 280-114270/75			14:14																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_034 Method: 7471A

Start Date: 04/03/2012 16:39 End Date: 04/03/2012 20:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD0 280-114184/1 IC			16:39	X																			
STD1 280-114184/2 IC			16:41	X																			
STD2 280-114184/3 IC			16:43	X																			
STD3 280-114184/4 IC			16:45	X																			
STD4 280-114184/5 IC			16:48	X																			
STD5 280-114184/6 IC			16:50	X																			
STD6 280-114184/7 IC			16:52	X																			
ICV 280-114184/8	1		16:55	X																			
ICB 280-114184/9	1		16:58	X																			
CRA 280-114184/10			17:00																				
CCV 280-114184/11	1		17:02	X																			
CCB 280-114184/12	1		17:04	X																			
MB 280-113941/1-A	1	T	17:07	X																			
LCS 280-113941/2-A	1	T	17:09	X																			
ZZZZZZ			17:11																				
280-27123-1	10	T	17:14	X																			
280-27123-1 SD	50	T	17:16	X																			
280-27123-1 MS	10	T	17:18	X																			
280-27123-1 MSD	10	T	17:21	X																			
280-27123-2	20	T	17:23	X																			
280-27123-3	1	T	17:25	X																			
280-27123-4	1	T	17:28	X																			
CCV 280-114184/23	1		17:30	X																			
CCB 280-114184/24	1		17:32	X																			
280-27123-5	1	T	17:34	X																			
280-27123-6	1	T	17:37	X																			
280-27123-7	1	T	17:39	X																			
280-27123-8	1	T	17:41	X																			
280-27123-9	1	T	17:44	X																			
280-27123-10	1	T	17:46	X																			
CCV 280-114184/31	1		17:48	X																			
CCB 280-114184/32	1		17:51	X																			
ZZZZZZ			17:53																				
ZZZZZZ			17:55																				
ZZZZZZ			17:58																				
ZZZZZZ			18:00																				
ZZZZZZ			18:02																				
ZZZZZZ			18:05																				
CCV 280-114184/39			18:07																				
CCB 280-114184/40			18:09																				
ZZZZZZ			18:11																				
ZZZZZZ			18:14																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_034 Method: 7471A

Start Date: 04/03/2012 16:39 End Date: 04/03/2012 20:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			18:16																				
ZZZZZZ			18:18																				
ZZZZZZ			18:21																				
ZZZZZZ			18:23																				
ZZZZZZ			18:25																				
ZZZZZZ			18:28																				
ZZZZZZ			18:30																				
CCV 280-114184/50			18:32																				
CCB 280-114184/51			18:35																				
ZZZZZZ			18:37																				
ZZZZZZ			18:39																				
ZZZZZZ			18:41																				
ZZZZZZ			18:44																				
ZZZZZZ			18:46																				
ZZZZZZ			18:48																				
ZZZZZZ			18:51																				
ZZZZZZ			18:53																				
ZZZZZZ			18:56																				
ZZZZZZ			18:59																				
CCV 280-114184/62			19:01																				
CCB 280-114184/63			19:03																				
ZZZZZZ			19:06																				
ZZZZZZ			19:08																				
ZZZZZZ			19:10																				
ZZZZZZ			19:13																				
ZZZZZZ			19:15																				
ZZZZZZ			19:17																				
ZZZZZZ			19:20																				
ZZZZZZ			19:22																				
ZZZZZZ			19:24																				
ZZZZZZ			19:26																				
CCV 280-114184/74			19:29																				
CCB 280-114184/75			19:31																				
ZZZZZZ			19:33																				
ZZZZZZ			19:36																				
ZZZZZZ			19:38																				
ZZZZZZ			19:40																				
ZZZZZZ			19:43																				
ZZZZZZ			19:45																				
ZZZZZZ			19:47																				
ZZZZZZ			19:50																				
ZZZZZZ			19:54																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: MT_034 Method: 7471A

Start Date: 04/03/2012 16:39 End Date: 04/03/2012 20:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			19:56																				
CCV 280-114184/86			19:59																				
CCB 280-114184/87			20:01																				
ZZZZZZ			20:05																				
CCV 280-114184/89			20:08																				
CCB 280-114184/90			20:10																				

Prep Types

T = Total/NA

14-IN
ICP-MS TUNE
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICP-MS Instrument ID: MT_024 Analysis Date: 04/02/12

Lab ID: ITUNE 280-114025/1

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	% RSD	Q
Li-7	7.00	0.60	1.06	
Be-9	8.95	0.60	1.50	
Mg-24	24.00	0.60	1.64	
Mg-25	24.95	0.60	1.55	
Mg-26	26.00	0.60	2.25	
Co-59	59.00	0.60	0.68	
In-115	115.00	0.60	0.37	
Pb-206	205.95	0.60	0.72	
Pb-207	206.95	0.55	0.69	
Pb-208	207.95	0.55	1.14	
U-238	238.00	0.55	1.60	

14-IN
ICP-MS TUNE
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICP-MS Instrument ID: MT_024 Analysis Date: 04/10/12

Lab ID: ITUNE 280-114972/1

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	% RSD	Q
Li-7	6.95	0.60	0.48	
Be-9	9.00	0.55	1.01	
Mg-24	24.00	0.60	2.81	
Mg-25	25.00	0.60	1.71	
Mg-26	26.00	0.60	1.95	
Co-59	58.95	0.60	0.51	
In-115	115.00	0.60	0.64	
Pb-206	206.00	0.60	1.10	
Pb-207	206.95	0.60	1.32	
Pb-208	208.00	0.60	0.67	
U-238	238.00	0.55	0.62	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICP-MS Instrument ID: MT_024 Start Date: 04/02/2012 End Date: 04/02/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element In	Q	Element Ho-165	Q
IC 280-114025/2	17:18	100		100		100		100		100	
IC 280-114025/3	17:21	99		98		101		100		100	
ICV 280-114025/4	17:24	100		99		100		100		101	
ICB 280-114025/6	17:30	99		99		100		100		101	
CRI 280-114025/7	17:33	100		98		99		99		100	
ICSA 280-114025/9	17:39	86		77		78		79		85	
ICSAB 280-114025/10	17:42	89		77		78		80		87	
CCV 280-114025/14	17:53	99		98		99		100		101	
CCB 280-114025/15	17:56	100		99		101		101		100	
CCV 280-114025/40	19:08	99		104		105		103		102	
CCB 280-114025/41	19:10	100		105		106		104		102	
MB 280-113654/1-A	19:16	105		107		107		106		103	
LCS 280-113654/2-A	19:19	102		107		107		106		104	
280-27123-1	19:22	91		85		102		87		90	
280-27123-1 SD	19:25	98		97		102		97		98	
280-27123-1 PDS	19:28	90		82		99		85		90	
280-27123-1 MS	19:30	84		77		96		82		88	
280-27123-1 MSD	19:33	85		79		94		82		89	
280-27123-2	19:36	90		89		97		93		94	
280-27123-3	19:39	81		78		94		83		88	
CCV 280-114025/52	19:41	86		91		94		95		96	
CCB 280-114025/53	19:44	91		94		97		98		97	
280-27123-4	19:50	88		94		97		96		97	
280-27123-5	19:53	90		93		97		94		95	
280-27123-6	19:56	86		92		94		94		95	
280-27123-7	19:59	85		90		94		94		94	
280-27123-8	20:01	83		90		92		92		94	
280-27123-9	20:04	82		86		94		89		92	
280-27123-10	20:07	81		88		90		91		92	
CCV 280-114025/62	20:10	84		90		94		95		95	
CCB 280-114025/63	20:13	82		92		94		96		95	
280-27123-1 DL	20:19	85		94		97		97		96	
280-27123-1 SD	20:22	86		96		99		99		97	
280-27123-1 PDS	20:25	84		91		95		95		95	
280-27123-1 MS	20:27	84		92		97		95		95	
280-27123-1 MSD	20:30	85		93		96		96		95	
280-27123-5 DL	20:33	86		96		97		97		96	
280-27123-6	20:36	84		93		94		95		95	
CCV 280-114025/72	20:39	84		93		95		97		95	
CCB 280-114025/73	20:42	83		92		96		95		95	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

ICP-MS Instrument ID: MT_024 Start Date: 04/10/2012 End Date: 04/10/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element In	Q	Element Ho-165	Q
IC 280-114972/2	16:03	100		100		100		100		100	
IC 280-114972/3	16:06	101		98		100		100		100	
ICV 280-114972/4	16:09	101		99		100		101		99	
ICB 280-114972/6	16:14	100		99		100		101		100	
CRI 280-114972/7	16:17	101		100		100		101		100	
ICSA 280-114972/9	16:23	83		77		76		80		87	
ICSAB 280-114972/10	16:26	84		74		76		78		87	
CCV 280-114972/14	16:37	94		96		97		99		99	
CCB 280-114972/15	16:40	95		96		98		100		100	
MB 280-114586/1-A	16:46	99		101		100		102		101	
LCS 280-114586/2-A	16:49	98		100		100		102		100	
LCSD 280-114586/3-A	16:52	101		101		100		102		102	
280-27123-11	16:54	99		102		101		104		102	
280-27123-11 SD	16:57	98		101		102		102		101	
CCV 280-114972/23	17:03	98		99		99		101		99	
CCB 280-114972/24	17:06	97		100		100		101		99	
CCV 280-114972/53	18:29	76		86		88		91		88	
CCB 280-114972/54	18:32	75		85		87		90		88	
280-27123-11 PDS	18:35	74		83		84		89		88	
CCV 280-114972/60	18:49	74		85		85		90		87	
CCB 280-114972/61	18:52	74		84		86		88		87	

Sample Name: ICIS Acquired: 4/9/2012 14:18:50 Type: Cal
Method: 6500_025(v13) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00168**	**.00050**	**-.01443**	**-.00018**	**.00059**	**-.00194**	**-.00041**	**-.00093**	**.00515**	**.00083**	**.00008**	**.00014**	**.00838**
Stddev	.00004	.00007	.00011	.00003	.00006	.00129	.00005	.00027	.00044	.00013	.00010	.00010	.00007
%RSD	2.4719	14.843	.75336	13.929	9.8703	66.256	12.328	29.456	8.5392	16.120	122.29	74.557	.79234
#1	-.00165	.00055	-.01451	-.00016	.00055	-.00103	-.00044	-.00113	.00484	.00092	.00001	.00007	.00843
#2	-.00170	.00045	-.01435	-.00020	.00063	-.00285	-.00037	-.00074	.00547	.00073	.00015	.00021	.00834

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00001**	**.00030**	**.00165**	**.00376**	**-.00007**	**-.00013**	**.00004**	**.00553**	**-.00564**	**-.00023**	**-.00008**	**-.00020**	**.00004**
Stddev	.00019	.00022	.00043	.00085	.00007	.00004	.00002	.00121	.00017	.00009	.00006	.00021	.00012
%RSD	1381.5	71.741	26.240	22.675	93.883	34.549	60.188	21.819	2.9961	37.963	81.527	101.83	279.59
#1	-.00015	.00015	.00195	.00436	-.00012	-.00010	.00002	.00468	-.00576	-.00029	-.00013	-.00035	-.00004
#2	.00012	.00045	.00134	.00315	-.00002	-.00016	.00005	.00639	-.00552	-.00017	-.00003	-.00006	.00013

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00064**	**.00030**	**.00096**	**.00096**	**.00003**	**-.00053**	**-.00017**	**-.00035**	**-.00021**	**.00000**	**.00020**	**.00001**	**-.00041**
Stddev	.00001	.00014	.00035	.00035	.00011	.00039	.00001	.00013	.00012	.0001	.00001	.00001	.00039
%RSD	1.2856	47.354	35.849	35.849	327.90	73.537	3.5707	37.534	57.564	1635.1	5.0988	199.92	97.070
#1	.00064	.00040	.00121	.00121	-.00004	-.00025	-.00016	-.00025	-.00012	-.00005	.00020	.00001	-.00069
#2	.00063	.00020	.00072	.00072	.00011	-.00081	-.00017	-.00044	-.00029	.00004	.00021	.00000	-.00013

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3922.4**	**63267.**	**6104.4**
Stddev	2.1	577.	7.9
%RSD	.05293	.91188	.13017
#1	3920.9	62859.	6098.8
#2	3923.9	63675.	6110.0

Sample Name: ICAL1 Acquired: 4/9/2012 14:21:17 Type: Cal
Method: 6500_025(v13) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.28120**	**.20310**	**.07651**	**.29791**	**5.3693**	**7.0190**	**1.7826**	**1.5728**	**.92443**	**.91999**	**.35309**	**.62201**	**3.6763**	**1.4734**
Stddev	.00349	.00152	.00050	.00044	.0463	.0862	.0203	.0055	.00312	.00392	.00536	.00541	.0284	.0166
%RSD	1.2407	.74866	.65857	.14925	.86162	1.2279	1.1366	.35082	.33745	.42593	1.5182	.86916	.77361	1.1280
#1	.28367	.20203	.07615	.29759	5.3366	6.9581	1.7683	1.5689	.92222	.91722	.35688	.61819	3.6562	1.4617
#2	.27873	.20418	.07686	.29822	5.4020	7.0799	1.7969	1.5767	.92663	.92276	.34930	.62584	3.6965	1.4852

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.0458**	**1.1552**	**.45610**	**1.2992**	**.68746**	**.09032**	**.47005**	**.20657**	**.06830**	**.29517**	**.29517**	**.18341**	**10.465**	**.39242**
Stddev	.0150	.0166	.00083	.0144	.00190	.00053	.00073	.00063	.00017	.00461	.00461	.00076	.093	.00514
%RSD	1.4366	1.4348	.18271	1.1117	.27617	.58382	.15468	.30406	.25583	1.5605	1.5605	.41443	.88619	1.3092
#1	1.0564	1.1669	.45551	1.2890	.68612	.08994	.46954	.20701	.06817	.29191	.29191	.18287	10.399	.39605
#2	1.0352	1.1435	.45669	1.3094	.68881	.09069	.47056	.20612	.06842	.29843	.29843	.18395	10.531	.38879

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.15393**	**.25095**	**.02654**	**.29443**
Stddev	.00064	.00351	.00036	.00305
%RSD	.41603	1.4000	1.3664	1.0372
#1	.15347	.25343	.02680	.29227
#2	.15438	.24846	.02629	.29659

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3815.9**	**60868.**	**6103.6**
Stddev	9.7	481.	42.8
%RSD	.25336	.79044	.70149
#1	3822.7	60528.	6133.9
#2	3809.1	61208.	6073.3

Sample Name: ICAL2 Acquired: 4/9/2012 14:23:28 Type: Cal
Method: 6500_025(v13) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.3515**	**.25038**	**.65736**	**2.3318**	**.29585**	**.51845**	**.13037**
Stddev	.0148	.00054	.00300	.0083	.00070	.00189	.00002
%RSD	.33962	.21736	.45689	.35515	.23759	.36438	.01916
#1	4.3619	.24999	.65949	2.3376	.29635	.51978	.13039
#2	4.3410	.25076	.65524	2.3259	.29535	.51711	.13036

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3731.2**	**59094.**	**6130.8**
Stddev	10.6	168.	23.0
%RSD	.28367	.28429	.37579
#1	3738.7	58975.	6114.5
#2	3723.7	59213.	6147.1

Sample Name: S1-1351344 Acquired: 4/9/2012 14:25:54 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0024**	**.99090**	**1.9674**	**.98802**	**1.0040**	**.99642**	**-.00503**	**9.9172**	**.99358**	**.99325**	**.99443**	**1.0002**	**4.9853**
Stddev	.0068	.00163	.0016	.00109	.0015	.00052	.00338	.0188	.00088	.00122	.00231	.0057	.0044
%RSD	.67648	.16497	.08293	.10983	.14847	.05254	67.193	.18912	.08884	.12330	.23199	.56880	.08859
#1	.99760	.99206	1.9662	.98879	1.0050	.99679	-.00264	9.9304	.99420	.99411	.99606	.99617	4.9885
#2	1.0072	.98975	1.9685	.98725	1.0029	.99605	-.00742	9.9039	.99296	.99238	.99280	1.0042	4.9822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**100.49**	**2.0050**	**40.043**	**1.0053**	**.99402**	**10.022**	**10.141**	**.99196**	**1.9671**	**1.9652**	**.00727**	**1.9808**	**1.9838**
Stddev	.18	.0017	.114	.0026	.00014	.009	.185	.00129	.0015	.0006	.00120	.0056	.0126
%RSD	.17789	.08553	.28553	.26225	.01413	.09418	1.8275	.13005	.07663	.03097	16.505	.28354	.63315
#1	100.62	2.0062	39.962	1.0035	.99412	10.029	10.272	.99287	1.9682	1.9648	.00642	1.9848	1.9926
#2	100.36	2.0038	40.124	1.0072	.99392	10.016	10.010	.99105	1.9661	1.9656	.00812	1.9768	1.9749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9367**	**21.264**	**1.9896**	**1.0035**	**.02563**	**.99969**	**1.9920**	**.00808**	**1.0015**	**1.0020**	**.99167**
Stddev	.0246	.053	.0020	.0015	.00063	.00313	.0043	.00580	.0002	.0020	.00136
%RSD	.24753	.24753	.09897	.15351	2.4665	.31337	.21678	71.825	.01873	.20262	.13746
#1	9.9541	21.302	1.9910	1.0046	.02519	.99748	1.9950	.00398	1.0014	1.0035	.99071
#2	9.9193	21.227	1.9882	1.0024	.02608	1.0019	1.9889	.01219	1.0016	1.0006	.99264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3830.9**	**60313.**	**6092.9**
Stddev	5.3	209.	28.2
%RSD	.13780	.34676	.46206
#1	3834.6	60461.	6073.0
#2	3827.1	60165.	6112.8

Sample Name: S2-1338466 Acquired: 4/9/2012 14:28:05 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00687	100.56	-.00040	.00432	.00081	.00019	1.9748	-.00861	-.00006	.00094	.00132	.01291	100.27
Stddev	.00011	.48	.00266	.00059	.00024	.00005	.0067	.00115	.00003	.00014	.00046	.00053	.42
%RSD	1.5828	.48209	672.57	13.640	30.033	27.498	.34043	13.303	48.257	15.422	34.351	4.1123	.41573
#1	.00679	100.21	-.00228	.00391	.00098	.00015	1.9700	-.00942	-.00004	.00083	.00165	.01254	99.973
#2	.00695	100.90	.00149	.00474	.00064	.00022	1.9795	-.00780	-.00007	.00104	.00100	.01329	100.56
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09168	.00048	.05157	.00025	.00107	502.59	.00387	.00828	-.00459	9.9539	.00162	-.00926	.03044
Stddev	.02501	.00089	.00127	.00001	.00057	2.31	.00008	.00141	.00160	.0477	.00089	.00215	.00159
%RSD	27.275	184.97	2.4692	2.3979	53.439	.45908	2.0660	17.072	34.884	.47947	54.786	23.240	5.2366
#1	.10937	-.00015	.05247	.00026	.00067	500.96	.00393	.00728	-.00572	9.9202	.00225	-.01078	.03156
#2	.07400	.00112	.05067	.00025	.00148	504.23	.00382	.00928	-.00346	9.9877	.00100	-.00774	.02931
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06514	.00518	.00090	9.8433	-.00047	.00189	20.125	.00729	.00098	-.38785
Stddev	.00341	.00053	.00000	.0328	.00013	.00022	.039	.00032	.00039	.00085
%RSD	5.2366	10.164	.49984	.33342	27.566	11.495	.19612	4.4195	39.494	.21904
#1	.06755	.00556	.00090	9.8665	-.00038	.00174	20.153	.00707	.00125	-.38845
#2	.06272	.00481	.00091	9.8201	-.00056	.00204	20.097	.00752	.00070	-.38725
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3754.0	58864.	6066.1
Stddev	7.9	97.	24.7
%RSD	.20925	.16447	.40720
#1	3759.6	58795.	6083.6
#2	3748.5	58932.	6048.7

Sample Name: ICVH-1338471 Acquired: 4/9/2012 14:30:32 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**40.114**	**.00047**	**.00209**	**.00012**	**.00000**	W **.52921**	**38.699**	**-.00006**	**.00092**	**.00110**	**.00360**
Stddev	.00014	.032	.00216	.00020	.00004	.0000	.00350	.030	.00005	.00015	.00003	.00009
%RSD	6.8832	.07908	459.69	9.4463	31.949	1179.1	.66078	.07736	79.019	15.974	2.3151	2.5673
#1	.00212	40.092	.00199	.00195	.00015	-.00004	.52674	38.677	-.00010	.00081	.00112	.00354
#2	.00193	40.137	-.00106	.00223	.00009	.00003	.53169	38.720	-.00003	.00102	.00108	.00367
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**79.316**	**.04570**	**.00008**	**.01705**	**.00056**	**-.00089**	**40.865**	**.00051**	**.00461**	**-.00167**	**3.8696**	**-.00261**
Stddev	.007	.00812	.00091	.00113	.00001	.00025	.121	.00039	.00133	.00062	.0138	.00152
%RSD	.00822	17.771	1090.1	6.6290	.92298	28.335	.29555	77.311	28.858	37.309	.35601	58.197
#1	79.321	.05144	-.00056	.01784	.00056	-.00107	40.779	.00078	.00555	-.00123	3.8794	-.00153
#2	79.311	.03996	.00073	.01625	.00056	-.00071	40.950	.00023	.00367	-.00212	3.8599	-.00368
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.01091**	**.02334**	**.00204**	**.00042**	**2.8874**	**.00062**	**.00180**	**4.9983**	**.00273**	**2.4457**	**-.11453**
Stddev	.00324	.00246	.00527	.00029	.00008	.0146	.00025	.00022	.0302	.00029	.0133	.00081
%RSD	1050.4	22.561	22.561	13.998	18.254	.50640	40.322	12.032	.60368	10.518	.54182	.70362
#1	.00260	.01265	.02706	.00183	.00048	2.8977	.00044	.00196	5.0197	.00293	2.4550	-.11396
#2	-.00198	.00917	.01962	.00224	.00037	2.8770	.00080	.00165	4.9770	.00253	2.4363	-.11510
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3917.5**	**62057.**	**6144.5**
Stddev	9.4	190.	26.5
%RSD	.24072	.30578	.43047
#1	3924.2	61923.	6163.2
#2	3910.8	62192.	6125.8

Sample Name: X Acquired: 4/9/2012 14:33:44 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24565**	**.25599**	W **.23471**	W **.23556**	**.25128**	**.23998**	**-.00030**	**1.9871**	**.24228**	**.24448**	**.24604**	**.25083**
Stddev	.00070	.00096	.00447	.00029	.00009	.00063	.00176	.0030	.00055	.00052	.00015	.00205
%RSD	.28362	.37423	1.9047	.12500	.03515	.26316	578.74	.15046	.22574	.21365	.06026	.81774
#1	.24515	.25531	.23787	.23536	.25121	.23953	.00094	1.9850	.24267	.24485	.24614	.24938
#2	.24614	.25667	.23155	.23577	.25134	.24042	-.00155	1.9892	.24190	.24411	.24593	.25228
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.25000	.25000								
Range			-5.4900%	-5.4900%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25203**	**20.196**	**.25430**	**9.6162**	**.24717**	**.24010**	**2.0404**	**.24727**	W **1.8445**	**.24574**	**.00490**	**.23642**
Stddev	.00114	.134	.00176	.0369	.00122	.00039	.0117	.00048	.0052	.00026	.00201	.00486
%RSD	.45370	.66428	.69199	.38351	.49202	.16213	.57129	.19298	.27953	.10487	41.147	2.0543
#1	.25122	20.101	.25305	9.5901	.24631	.24038	2.0322	.24761	1.8481	.24556	.00632	.23299
#2	.25284	20.291	.25554	9.6423	.24803	.23983	2.0487	.24693	1.8408	.24592	.00347	.23986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass
Value									2.0000			
Range									-5.4900%			

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47996**	**1.9719**	**4.2199**	**.49193**	**.24854**	**.00758**	**.24165**	**.51264**	**-.02755**	**.24396**	**.24011**	**.23854**
Stddev	.00702	.0040	.0085	.00191	.00013	.00088	.00097	.00018	.00309	.00160	.00186	.00066
%RSD	1.4621	.20244	.20244	.38839	.05047	11.571	.40192	.03603	11.227	.65626	.77258	.27707
#1	.48492	1.9691	4.2138	.49328	.24863	.00696	.24096	.51277	-.02536	.24282	.23880	.23901
#2	.47500	1.9747	4.2259	.49058	.24845	.00820	.24234	.51251	-.02974	.24509	.24142	.23808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3926.9**	**63046.**	**6058.3**
Stddev	.1	190.	46.0
%RSD	.00234	.30202	.75889
#1	3926.8	63180.	6090.8
#2	3926.9	62911.	6025.8

Sample Name: ICV-1332160 Acquired: 4/9/2012 14:39:05 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25410**	W **.26961**	**.24218**	**.24600**	**.25543**	**.24789**	**.00092**	**2.0402**	**.25043**	**.25275**	**.25056**	**.25448**
Stddev	.00076	.00017	.00002	.00018	.00271	.00350	.00257	.0302	.00109	.00034	.00116	.00032
%RSD	.29817	.06127	.00951	.07216	1.0599	1.4108	279.46	1.4788	.43461	.13340	.46468	.12684
#1	.25464	.26972	.24220	.24587	.25734	.25036	.00274	2.0615	.24966	.25251	.24973	.25471
#2	.25356	.26949	.24217	.24613	.25351	.24542	-.00090	2.0189	.25120	.25299	.25138	.25426
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.27089**	**20.517**	**.25914**	**10.001**	**.25686**	**.24486**	**2.0522**	**.25285**	**1.9187**	**.25557**	**.00345**	**.24611**
Stddev	.00448	.206	.00457	.006	.00037	.00024	.0408	.00041	.0075	.00067	.00198	.00306
%RSD	1.6541	1.0035	1.7636	.05823	.14231	.09902	1.9881	.16374	.39226	.26278	57.230	1.2442
#1	.27406	20.663	.26237	10.005	.25712	.24469	2.0810	.25256	1.9134	.25605	.00485	.24394
#2	.26773	20.372	.25591	9.9964	.25661	.24503	2.0233	.25314	1.9241	.25510	.00206	.24827
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	.25000											
Range	5.4900%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49658**	**2.0028**	**4.2861**	**.50532**	**.25643**	**.00714**	**.24836**	**.52524**	**-.00589**	**.24940**	**.25222**	**.24430**
Stddev	.00016	.0067	.0144	.00259	.00259	.00016	.00109	.00459	.02417	.00094	.00089	.00412
%RSD	.03147	.33559	.33559	.51295	1.0084	2.3109	.44065	.87380	410.08	.37771	.35137	1.6849
#1	.49669	2.0076	4.2963	.50715	.25826	.00725	.24759	.52200	.01120	.25007	.25160	.24721
#2	.49647	1.9981	4.2759	.50349	.25461	.00702	.24913	.52849	-.02298	.24874	.25285	.24139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3911.6**	**61958.**	**5973.6**
Stddev	2.4	84.	88.7
%RSD	.06126	.13519	1.4857
#1	3913.3	62017.	5910.8
#2	3909.9	61899.	6036.3

Sample Name: ICV-1332160 Acquired: 4/9/2012 14:41:35 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25461**	W **.26841**	**.24016**	**.24360**	**.25503**	**.24668**	**.00094**	**2.0271**	**.24944**	**.25159**	**.24958**	**.25415**
Stddev	.00225	.00102	.00255	.00021	.00180	.00215	.00016	.0022	.00008	.00023	.00033	.00135
%RSD	.88473	.38081	1.0631	.08506	.70672	.87045	17.449	.10756	.03163	.09203	.13129	.53084
#1	.25302	.26768	.23836	.24374	.25630	.24819	.00083	2.0286	.24949	.25175	.24981	.25319
#2	.25620	.26913	.24197	.24345	.25375	.24516	.00106	2.0255	.24938	.25143	.24935	.25510
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.27264**	**20.501**	**.25614**	**10.008**	**.25707**	**.24435**	**2.0611**	**.25160**	**1.9096**	**.25592**	**.00815**	**.24036**
Stddev	.00003	.148	.00225	.058	.00172	.00056	.0299	.00016	.0002	.00179	.00265	.00036
%RSD	.01187	.72095	.88028	.57604	.66823	.22727	1.4502	.06435	.01103	.69981	32.474	.15028
#1	.27266	20.606	.25773	9.9672	.25586	.24395	2.0822	.25149	1.9094	.25719	.00628	.24010
#2	.27262	20.397	.25454	10.049	.25829	.24474	2.0399	.25171	1.9097	.25466	.01002	.24061
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	.25000											
Range	5.4900%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49594**	**2.0046**	**4.2899**	**.50618**	**.25643**	**.00682**	**.24850**	**.52313**	**-.00132**	**.24991**	**.25351**	**.24317**
Stddev	.00076	.0219	.0469	.00138	.00239	.00071	.00065	.00141	.01449	.00064	.00027	.00407
%RSD	.15313	1.0922	1.0922	.27267	.93383	10.429	.26010	.26953	1098.1	.25572	.10847	1.6740
#1	.49648	2.0201	4.3231	.50520	.25812	.00732	.24804	.52413	-.01157	.24945	.25331	.24604
#2	.49540	1.9892	4.2568	.50716	.25474	.00631	.24896	.52214	.00893	.25036	.25370	.24029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3937.8**	**62288.**	**6006.4**
Stddev	9.4	277.	31.4
%RSD	.23760	.44494	.52293
#1	3931.2	62484.	5984.1
#2	3944.4	62092.	6028.6

Sample Name: ICVL1351092 Acquired: 4/9/2012 14:45:07 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01045**	**.10673**	**.01536**	**.09394**	**.01032**	**.00110**	**.10719**	**.20517**	**.00513**	**.01015**	**.01022**	**.01523**	**.10525**	**3.1381**
Stddev	.00029	.00070	.00081	.00003	.00023	.00004	.00323	.00433	.00006	.00005	.00016	.00029	.00027	.0219
%RSD	2.7637	.65555	5.3013	.03127	2.2207	3.7249	3.0105	2.1117	1.0768	.50279	1.6014	1.9200	.25321	.69714
#1	.01025	.10722	.01594	.09396	.01048	.00113	.10947	.20824	.00516	.01012	.01033	.01544	.10507	3.1536
#2	.01066	.10623	.01478	.09392	.01016	.00107	.10491	.20211	.00509	.01019	.01010	.01502	.10544	3.1226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00986**	**.20759**	**.01056**	**.01937**	**1.0745**	**.04133**	**2.7535**	**.01103**	**.00164**	**.01006**	**.01610**	**.47773**	**1.0223**	**.10191**
Stddev	.00054	.00275	.00015	.00031	.0090	.00005	.0052	.00005	.00030	.00218	.00451	.00217	.0046	.00044
%RSD	5.4501	1.3249	1.4540	1.6188	.83345	.12942	.18808	.45449	18.219	21.714	28.003	.45511	.45511	.43478
#1	.00948	.20953	.01067	.01959	1.0808	.04137	2.7498	.01099	.00185	.00852	.01929	.47619	1.0191	.10222
#2	.01024	.20564	.01045	.01915	1.0682	.04130	2.7572	.01106	.00143	.01161	.01291	.47927	1.0256	.10159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01036**	**.01508**	**.00988**	**.01742**	**.06909**	**.01026**	**.02153**	**.01391**
Stddev	.00015	.00053	.00001	.00047	.00594	.00001	.00043	.00026
%RSD	1.4499	3.4849	.11384	2.7185	8.6007	.14483	1.9961	1.8343
#1	.01047	.01545	.00989	.01775	.06488	.01025	.02183	.01373
#2	.01025	.01471	.00988	.01708	.07329	.01027	.02122	.01409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3997.7**	**63805.**	**6077.4**
Stddev	5.6	463.	31.3
%RSD	.13943	.72506	.51475
#1	4001.6	63478.	6055.3
#2	3993.7	64132.	6099.5

Sample Name: CCVH-1338467 Acquired: 4/9/2012 14:48:15 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00336**	**50.665**	**-.00355**	**.00237**	**.00023**	**.00011**	**1.0052**	**-.00366**	**-.00005**	**.00030**	**.00118**	**.00597**	**51.055**
Stddev	.00005	.398	.00231	.00018	.00027	.00008	.0026	.00347	.00006	.00012	.00003	.00022	.486
%RSD	1.5020	.78526	65.011	7.6125	115.74	73.349	.25563	94.937	119.66	40.555	2.8474	3.6370	.95229
#1	.00332	50.947	-.00192	.00224	.00004	.00017	1.0070	-.00611	-.00009	.00021	.00120	.00582	51.399
#2	.00339	50.384	-.00518	.00250	.00042	.00005	1.0034	-.00120	-.00001	.00038	.00115	.00612	50.712
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04067**	**-.00031**	**.02239**	**.00002**	**-.00066**	**253.73**	**.00217**	**.00239**	**-.00025**	**4.9156**	**-.00255**	**-.00696**	**.02105**
Stddev	.00070	.00211	.00183	.00005	.00021	2.00	.00046	.00035	.00090	.0091	.00132	.00188	.00525
%RSD	1.7319	680.47	8.1797	248.10	32.180	.79004	21.034	14.524	358.15	.18463	51.706	27.064	24.928
#1	.04017	-.00180	.02369	.00005	-.00051	255.14	.00185	.00264	.00039	4.9220	-.00162	-.00830	.01734
#2	.04117	.00118	.02110	-.00001	-.00081	252.31	.00250	.00215	-.00089	4.9092	-.00348	-.00563	.02476
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04506**	**.00239**	**.00036**	**4.8830**	**.00011**	**.00103**	**10.184**	**.00418**	**.00169**	**-.19131**
Stddev	.01123	.00165	.00001	.0348	.00002	.00044	.040	.00018	.00011	.00270
%RSD	24.928	69.015	2.2004	.71336	19.219	42.779	.39438	4.2893	6.5205	1.4123
#1	.03711	.00122	.00035	4.9076	.00012	.00072	10.212	.00406	.00161	-.19322
#2	.05300	.00355	.00036	4.8584	.00009	.00134	10.155	.00431	.00177	-.18939
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3850.2**	**60675.**	**6130.9**
Stddev	.9	338.	54.0
%RSD	.02268	.55760	.88085
#1	3849.6	60435.	6092.7
#2	3850.9	60914.	6169.1

Sample Name: CCV-1343805 Acquired: 4/9/2012 14:50:36 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51163**	**.51898**	**1.0016**	**.50928**	**.50735**	**.49922**	**-.00111**	**5.0626**	**.50520**	**.50427**	**.50003**	**.50667**	**2.5444**
Stddev	.00280	.00268	.0016	.00051	.00439	.00349	.00106	.0326	.00100	.00038	.00111	.00216	.0223
%RSD	.54708	.51613	.15655	.09928	.86456	.69873	95.444	.64365	.19749	.07546	.22240	.42630	.87483
#1	.50965	.52087	1.0005	.50964	.51045	.50169	-.00036	5.0856	.50590	.50454	.50082	.50514	2.5601
#2	.51361	.51708	1.0027	.50892	.50425	.49676	-.00186	5.0395	.50449	.50400	.49924	.50820	2.5287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.928**	**1.0139**	**20.295**	**.50284**	**.49521**	**5.0814**	**.50584**	**.99564**	**1.0208**	**.00643**	**1.0132**	**1.0319**	**5.0024**
Stddev	.280	.0080	.189	.00488	.00132	.0581	.00172	.00133	.0011	.00262	.0025	.0020	.0321
%RSD	.55056	.78477	.93281	.97016	.26633	1.1442	.33965	.13375	.11134	40.726	.24851	.19686	.64230
#1	51.127	1.0196	20.161	.49939	.49615	5.1225	.50706	.99470	1.0200	.00458	1.0150	1.0304	5.0251
#2	50.730	1.0083	20.428	.50629	.49428	5.0403	.50463	.99658	1.0217	.00829	1.0114	1.0333	4.9796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.705**	**1.0122**	**.50251**	**.01455**	**.49566**	**1.0440**	**-.01209**	**.49783**	**.50118**	**.49333**
Stddev	.069	.0012	.00421	.00070	.00287	.0027	.01211	.00505	.00557	.00307
%RSD	.64230	.11313	.83847	4.7913	.57821	.25836	100.16	1.0153	1.1108	.62295
#1	10.754	1.0130	.50549	.01505	.49363	1.0459	-.02065	.49425	.49725	.49551
#2	10.656	1.0114	.49953	.01406	.49769	1.0421	-.00353	.50140	.50512	.49116
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3936.7**	**62449.**	**6117.1**
Stddev	4.8	405.	54.6
%RSD	.12281	.64892	.89327
#1	3933.3	62735.	6078.4
#2	3940.2	62162.	6155.7

Sample Name: ICB Acquired: 4/9/2012 14:52:49 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00029**	**-.00094**	**.00068**	**.00013**	**.00009**	**.00251**	**.00376**	**.00001**	**-.00010**	**.00007**	**-.00014**	**.00189**
Stddev	.00035	.00032	.00151	.00031	.00003	.00001	.00292	.00148	.00014	.00037	.00008	.00016	.00473
%RSD	54.963	111.53	160.75	46.010	22.314	15.847	116.43	39.282	1683.9	378.84	117.52	116.59	250.63
#1	.00039	.00052	-.00200	.00046	.00011	.00008	.00458	.00272	.00010	.00016	.00013	-.00002	-.00146
#2	.00088	.00006	.00013	.00090	.00015	.00010	.00044	.00481	-.00009	-.00036	.00001	-.00026	.00523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03668**	**-.00123**	**.00522**	**.00007**	**.00112**	**.01444**	**-.00016**	**.00010**	**.00158**	**.00345**	**.00003**	**-.00137**	**.00148**
Stddev	.00371	.00001	.00007	.00004	.00066	.01132	.00004	.00051	.00160	.00039	.00277	.00058	.00404
%RSD	10.105	.77675	1.2721	57.474	58.591	78.417	27.595	507.65	101.25	11.379	8267.6	42.280	272.33
#1	.03406	-.00123	.00517	.00010	.00066	.02245	-.00013	-.00026	.00271	.00373	-.00193	-.00096	.00434
#2	.03930	-.00122	.00526	.00004	.00159	.00643	-.00019	.00046	.00045	.00318	.00199	-.00178	-.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00317**	**.00078**	**.00008**	**-.00018**	**.00030**	**.00055**	**-.01026**	**.00004**	**.00182**	**.00041**
Stddev	.00864	.00020	.00012	.00137	.00008	.00024	.00460	.00020	.00011	.00076
%RSD	272.33	25.775	151.81	752.70	26.397	42.937	44.884	561.27	5.8883	186.56
#1	.00928	.00064	-.00001	.00078	.00024	.00038	-.01351	-.00011	.00189	.00094
#2	-.00294	.00092	.00016	-.00115	.00035	.00072	-.00700	.00018	.00174	-.00013
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3960.4**	**63059.**	**6092.7**
Stddev	19.0	253.	5.2
%RSD	.47893	.40055	.08604
#1	3947.0	62880.	6096.4
#2	3973.8	63238.	6089.0

Sample Name: CRI-1351090 Acquired: 4/9/2012 14:55:14 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01132**	**.10868**	**.01120**	**.09763**	**.00546**	**.00107**	**.10884**	**.21333**	**.00506**	**.00522**	**.01035**	**.01041**
Stddev	.00021	.00007	.00119	.00012	.00008	.00010	.00384	.00251	.00008	.00003	.00005	.00021
%RSD	1.8240	.06630	10.652	.12191	1.5037	9.5657	3.5241	1.1757	1.5200	.54844	.49624	1.9741
#1	.01118	.10873	.01204	.09772	.00540	.00100	.11155	.21156	.00511	.00524	.01039	.01026
#2	.01147	.10863	.01035	.09755	.00552	.00115	.10613	.21510	.00501	.00520	.01031	.01055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03329**	**1.0627**	W **.01216**	**.21199**	**.00330**	**.01028**	**1.0790**	**.01058**	**.95838**	**.00323**	**.09682**	**.00988**
Stddev	.00047	.0163	.00035	.00262	.00001	.00006	.0085	.00009	.00809	.00001	.00185	.00015
%RSD	1.4149	1.5348	2.8606	1.2351	.20338	.54704	.78900	.82481	.84453	.22310	1.9094	1.4975
#1	.03296	1.0512	.01241	.21384	.00331	.01032	1.0730	.01052	.96410	.00322	.09551	.00998
#2	.03363	1.0742	.01192	.21014	.00330	.01024	1.0850	.01065	.95266	.00323	.09813	.00977
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000									
Range			20.490%									

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00944**	**.49523**	**1.0598**	**.02156**	**.00538**	**.01098**	**.00996**	**.01159**	**.05417**	**.01006**	**.01162**	**.00944**
Stddev	.00276	.00570	.0122	.00090	.00014	.00011	.00013	.00067	.00134	.00005	.00035	.00053
%RSD	29.228	1.1513	1.1513	4.1666	2.5269	.97884	1.2688	5.7475	2.4708	.48956	2.9860	5.5859
#1	.00749	.49120	1.0512	.02220	.00528	.01090	.01005	.01112	.05323	.01010	.01187	.00982
#2	.01139	.49926	1.0684	.02093	.00548	.01105	.00987	.01206	.05512	.01003	.01138	.00907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4026.3**	**63916.**	**6122.0**
Stddev	7.1	471.	39.8
%RSD	.17754	.73674	.65026
#1	4021.2	63583.	6150.1
#2	4031.4	64249.	6093.8

Sample Name: X Acquired: 4/9/2012 14:57:39 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**514.22**	**-.00168**	**-.00138**	**.00031**	**.00006**	**.00416**	**472.91**	**.00023**	**-.00024**	W **.00305**	W **.00406**
Stddev	.00043	.53	.00713	.00014	.00010	.00005	.00115	6.82	.00036	.00019	.00010	.00037
%RSD	88.145	.10210	423.65	9.9253	34.221	84.403	27.616	1.4419	156.08	81.801	3.3686	9.1548
#1	.00018	514.59	-.00673	-.00128	.00038	.00002	.00335	468.09	.00048	-.00037	.00312	.00432
#2	.00079	513.85	.00336	-.00148	.00023	.00009	.00497	477.73	-.00002	-.00010	.00298	.00380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit											.00133	.00272
Low Limit											-.00133	-.00272

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**194.13**	**.05922**	**.00229**	**501.04**	**-.00046**	**-.00320**	**.12870**	**-.00181**	**-.00319**	W **.00627**	**.01448**	**.00062**
Stddev	.09	.08721	.00063	4.20	.00004	.00040	.06646	.00018	.00020	.00226	.00365	.00459
%RSD	.04754	147.28	27.539	.83848	7.8317	12.419	51.640	10.074	6.1969	36.078	25.210	742.00
#1	194.20	-.00245	.00273	498.07	-.00048	-.00292	.08171	-.00168	-.00333	.00787	.01190	-.00263
#2	194.07	.12088	.00184	504.01	-.00043	-.00348	.17570	-.00194	-.00305	.00467	.01706	.00387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit										.00500		
Low Limit										-.00500		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00721**	**-.01005**	**-.02150**	**.00008**	W **.00191**	**-.00548**	**.00071**	**.00425**	**.01998**	**.00165**	**.00177**	**-.00183**
Stddev	.00762	.00134	.00287	.00253	.00006	.00378	.00014	.00263	.00816	.00022	.00007	.00128
%RSD	105.70	13.358	13.358	3198.6	2.9695	69.035	19.434	61.901	40.853	13.197	4.2144	70.003
#1	.01259	-.01100	-.02354	-.00171	.00195	-.00280	.00081	.00610	.01421	.00180	.00172	-.00273
#2	.00182	-.00910	-.01947	.00187	.00187	-.00815	.00062	.00239	.02575	.00149	.00182	-.00092
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00050							
Low Limit					-.00050							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3523.9**	**54008.**	**6051.0**
Stddev	16.9	47.	5.1
%RSD	.47955	.08639	.08511
#1	3535.8	53975.	6047.3
#2	3511.9	54041.	6054.6

Sample Name: ICSA-1333972 Acquired: 4/9/2012 15:03:02 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**507.38**	**.00006**	**-.00283**	**.00036**	**.00013**	**.00454**	**462.19**	**.00013**	**-.00048**	W **.00302**	W **.00437**
Stddev	.00026	.48	.01020	.00016	.00017	.00006	.00151	3.96	.00001	.00019	.00018	.00066
%RSD	34.688	.09367	16541.	5.8056	47.560	48.249	33.255	.85685	10.677	38.932	5.8524	15.018
#1	.00094	507.04	-.00715	-.00271	.00049	.00009	.00348	464.99	.00014	-.00061	.00289	.00391
#2	.00057	507.72	.00728	-.00294	.00024	.00017	.00561	459.39	.00012	-.00035	.00314	.00484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit											.00133	.00272
Low Limit											-.00133	-.00272

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**191.44**	**.05513**	**.00242**	**497.24**	**-.00037**	**-.00302**	W **.19801**	**-.00159**	**-.00450**	**.00251**	**.01604**	**-.00179**
Stddev	.06	.01959	.00112	2.82	.00003	.00005	.00424	.00007	.00222	.00025	.00204	.00111
%RSD	.03227	35.541	46.338	.56683	7.9375	1.6852	2.1428	4.6118	49.260	10.057	12.698	61.762
#1	191.48	.04128	.00321	495.24	-.00039	-.00306	.19501	-.00164	-.00607	.00233	.01460	-.00101
#2	191.39	.06899	.00163	499.23	-.00035	-.00299	.20101	-.00154	-.00293	.00269	.01748	-.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**-.00942**	**-.02017**	**-.00047**	W **.00196**	**-.00644**	**.00058**	**.00180**	**.02666**	**.00166**	**.00456**	**-.00089**
Stddev	.00175	.00702	.01503	.00202	.00008	.00161	.00031	.00162	.02465	.00013	.00048	.00151
%RSD	42.900	74.531	74.531	431.34	3.8492	25.078	52.791	89.724	92.478	8.1462	10.480	170.06
#1	.00531	-.00446	-.00954	.00096	.00201	-.00758	.00079	.00066	.00923	.00156	.00490	-.00195
#2	.00284	-.01439	-.03079	-.00190	.00190	-.00530	.00036	.00295	.04409	.00175	.00423	.00018
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00050							
Low Limit					-.00050							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3502.9**	**53909.**	**6020.6**
Stddev	4.6	63.	22.6
%RSD	.13028	.11666	.37574
#1	3506.1	53953.	6036.6
#2	3499.7	53864.	6004.6

Sample Name: ICSAB-1341784 Acquired: 4/9/2012 15:06:18 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1267**	**512.12**	**2.0170**	**1.9413**	**.50560**	**.48002**	**1.0422**	**471.56**	**1.0467**	**.46534**	**.48748**	**.54771**	**192.43**	**52.727**
Stddev	.0099	1.24	.0087	.0068	.00181	.00222	.0021	2.26	.0026	.00080	.00077	.00637	1.33	.264
%RSD	.87924	.24290	.43318	.35070	.35769	.46229	.20389	.47864	.24649	.17228	.15805	1.1625	.69204	.50086
#1	1.1197	511.24	2.0231	1.9462	.50432	.47845	1.0437	473.16	1.0485	.46478	.48694	.54321	191.49	52.540
#2	1.1337	513.00	2.0108	1.9365	.50688	.48159	1.0407	469.97	1.0449	.46591	.48803	.55221	193.38	52.914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0506**	**504.05**	**.50433**	**.94476**	**52.640**	**.91703**	**1.9583**	**.91321**	**1.0147**	**.99767**	**5.1058**	**10.227**	**21.885**	**9.1005**
Stddev	.0026	4.60	.00159	.00209	.120	.00031	.0052	.00013	.0006	.00050	.0024	.017	.036	.0190
%RSD	.24980	.91167	.31550	.22073	.22736	.03431	.26632	.01398	.05479	.05006	.04765	.16455	.16455	.20825
#1	1.0488	500.80	.50321	.94623	52.556	.91726	1.9620	.91330	1.0151	.99802	5.1041	10.215	21.860	9.0871
#2	1.0525	507.30	.50546	.94328	52.725	.91681	1.9546	.91312	1.0143	.99732	5.1076	10.239	21.911	9.1139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99785**	**2.0594**	**.98772**	**8.6115**	**.03465**	**.50329**	**.97380**	**.89077**
Stddev	.00373	.0072	.00465	.0105	.01363	.00171	.00051	.00313
%RSD	.37350	.34903	.47091	.12148	39.344	.33963	.05241	.35168
#1	.99522	2.0543	.98443	8.6041	.04429	.50208	.97416	.89299
#2	1.0005	2.0645	.99101	8.6189	.02501	.50450	.97344	.88856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3504.5**	**54016.**	**6093.7**
Stddev	7.7	129.	29.3
%RSD	.22039	.23930	.48075
#1	3510.0	54108.	6114.4
#2	3499.0	53925.	6073.0

Sample Name: X Acquired: 4/9/2012 15:08:37 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1094**	**.06265**	**10.241**	**10.074**	**12.255**	**.00055**	**-.00156**	**.01261**	**2.1213**	**5.1280**	**10.170**	**10.967**	**503.46**
Stddev	.0087	.05014	.001	.027	1.022	.00005	.00120	.00336	.0004	.0027	.026	.196	45.73
%RSD	.41339	80.029	.00560	.26544	8.3350	8.5334	76.684	26.645	.01772	.05277	.25122	1.7859	9.0842
#1	2.1156	.02720	10.241	10.056	12.977	.00052	-.00072	.01023	2.1216	5.1299	10.188	11.106	535.80
#2	2.1032	.09810	10.241	10.093	11.533	.00059	-.00241	.01498	2.1211	5.1261	10.152	10.829	471.12
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04839**	**-.00111**	**-.07523**	**10.190**	**5.0536**	**.02726**	**10.312**	**.00890**	**10.470**	**-.00689**	**-.14086**	**5.2729**	**48.008**
Stddev	.00643	.00044	.00929	.013	.0078	.00210	.014	.00074	.008	.00150	.00113	.0045	4.140
%RSD	13.290	39.677	12.350	.12977	.15446	7.6927	.13458	8.2708	.07882	21.814	.80340	.08472	8.6239
#1	-.05294	-.00080	-.08180	10.181	5.0591	.02578	10.321	.00943	10.464	-.00582	-.14166	5.2761	50.935
#2	-.04384	-.00142	-.06866	10.199	5.0481	.02875	10.302	.00838	10.476	-.00795	-.14006	5.2697	45.080
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.74**	**.01144**	**10.305**	**-.00384**	**10.140**	**5.2935**	**.07973**	**10.272**	**9.8569**	**-.00111**
Stddev	8.86	.00114	.228	.03212	.015	.0049	.00324	.005	.0381	.00037
%RSD	8.6239	9.9697	2.2104	836.14	.14786	.09276	4.0640	.04559	.38685	33.232
#1	109.00	.01064	10.466	-.02655	10.151	5.2969	.07744	10.276	9.8299	-.00085
#2	96.472	.01225	10.144	.01887	10.130	5.2900	.08202	10.269	9.8838	-.00138
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3829.8**	**61633.**	**6330.3**
Stddev	6.5	117.	372.8
%RSD	.16876	.18996	5.8885
#1	3834.3	61551.	6066.7
#2	3825.2	61716.	6593.9

Sample Name: CCVH-1326164 Acquired: 4/9/2012 15:11:18 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**50.937**	**.00346**	**.01273**	**.00061**	**.00003**	**1.0181**	**.01554**	**-.00007**	**.00029**	**.00132**	**.00662**	**50.964**
Stddev	.00001	.098	.00061	.00075	.00050	.00004	.0021	.00237	.00001	.00006	.00028	.00004	.082
%RSD	.16526	.19326	17.744	5.9037	82.949	134.62	.21001	15.252	9.5282	20.510	20.980	.65517	.16018
#1	.00337	51.007	.00390	.01326	.00097	.00000	1.0166	.01386	-.00007	.00033	.00113	.00659	51.021
#2	.00336	50.867	.00303	.01220	.00025	.00006	1.0196	.01721	-.00008	.00025	.00152	.00665	50.906
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05161**	**.00077**	**.03814**	**.00014**	**.00723**	**254.33**	**.00215**	**.00227**	**-.00176**	**4.9166**	**-.00148**	**-.00387**	**.03861**
Stddev	.02934	.00185	.00147	.00008	.00369	1.63	.00022	.00093	.00027	.0326	.00131	.00009	.01854
%RSD	56.849	238.81	3.8574	59.775	50.997	.64021	10.150	40.727	15.277	.66271	88.398	2.4347	48.033
#1	.03087	-.00053	.03918	.00019	.00462	255.48	.00200	.00162	-.00195	4.8936	-.00056	-.00380	.05172
#2	.07236	.00208	.03710	.00008	.00984	253.18	.00230	.00293	-.00157	4.9397	-.00241	-.00394	.02549
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08262**	**.00252**	**.00064**	**4.8927**	**.00229**	**.00395**	**10.204**	**.00353**	**.00189**	**-.19191**
Stddev	.03968	.00113	.00003	.0092	.00003	.00093	.020	.00008	.00003	.00039
%RSD	48.033	44.955	4.2997	.18826	1.2430	23.527	.19393	2.1353	1.7006	.20065
#1	.11068	.00172	.00065	4.8992	.00231	.00461	10.190	.00358	.00187	-.19164
#2	.05456	.00331	.00062	4.8862	.00227	.00329	10.218	.00348	.00191	-.19219
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3843.2**	**60411.**	**6136.1**
Stddev	7.7	47.	17.1
%RSD	.19933	.07741	.27826
#1	3848.6	60444.	6124.1
#2	3837.8	60378.	6148.2

Sample Name: CCV-1343805 Acquired: 4/9/2012 15:13:39 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51698**	**.52856**	**1.0053**	**.51786**	**.51616**	**.50662**	**-.00053**	**5.1268**	**.51236**	**.50790**	**.50535**	**.51381**	**2.6000**
Stddev	.00031	.00188	.0042	.00231	.00178	.00161	.00161	.0086	.00207	.00199	.00210	.00141	.0006
%RSD	.05957	.35539	.42188	.44627	.34427	.31779	303.00	.16830	.40423	.39195	.41577	.27401	.02129
#1	.51676	.52989	1.0083	.51950	.51741	.50776	-.00167	5.1329	.51383	.50931	.50684	.51282	2.6004
#2	.51720	.52723	1.0023	.51623	.51490	.50548	.00061	5.1207	.51090	.50650	.50387	.51481	2.5996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.667**	**1.0293**	**20.397**	**.50797**	**.50178**	**5.1250**	**.50933**	**1.0038**	**1.0178**	**.00577**	**1.0294**	**1.0427**	**5.0717**
Stddev	.065	.0022	.047	.00064	.00155	.0009	.00159	.0013	.0005	.00026	.0077	.0001	.0665
%RSD	.12660	.20915	.22813	.12548	.30836	.01750	.31218	.13374	.05271	4.4833	.75066	.01001	1.3117
#1	51.713	1.0308	20.429	.50752	.50287	5.1256	.51045	1.0047	1.0174	.00559	1.0349	1.0426	5.1188
#2	51.621	1.0277	20.364	.50842	.50068	5.1244	.50820	1.0028	1.0182	.00595	1.0239	1.0428	5.0247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.853**	**1.0225**	**.51055**	**.01294**	**.50277**	**1.0583**	**-.00368**	**.50487**	**.50200**	**.49994**
Stddev	.142	.0009	.00153	.00012	.00073	.0041	.00343	.00187	.00145	.00038
%RSD	1.3117	.08668	.29942	.89688	.14584	.38930	93.155	.36985	.28930	.07635
#1	10.954	1.0219	.51163	.01285	.50225	1.0612	-.00126	.50355	.50303	.49967
#2	10.753	1.0232	.50947	.01302	.50329	1.0553	-.00611	.50619	.50098	.50021
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3919.6**	**62340.**	**6109.4**
Stddev	8.5	129.	7.9
%RSD	.21719	.20754	.12870
#1	3913.6	62432.	6114.9
#2	3925.6	62249.	6103.8

Sample Name: CCB Acquired: 4/9/2012 15:15:50 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00849**	**-.00027**	**.00374**	**-.00002**	**.00002**	**-.00030**	**.00692**	**.00011**	**.00007**	**.00017**	**-.00055**	**.01043**
Stddev	.00050	.00046	.00144	.00003	.00032	.00001	.00031	.00021	.00006	.00002	.00012	.00088	.00109
%RSD	70.432	5.4235	534.34	.72836	1661.7	31.186	102.26	3.0879	53.977	27.673	71.754	160.60	10.401
#1	.00035	.00817	-.00129	.00372	-.00024	.00003	-.00052	.00677	.00007	.00006	.00008	.00007	.01120
#2	.00106	.00882	.00075	.00376	.00020	.00002	-.00008	.00707	.00015	.00009	.00026	-.00117	.00967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01179**	**-.00016**	**.00616**	**.00013**	**.00154**	**.00303**	**.00021**	**.00068**	**.00186**	**-.00126**	**.00120**	**-.00364**	**.00321**
Stddev	.05785	.00029	.00316	.00004	.00061	.00394	.00007	.00004	.00054	.00157	.00157	.00308	.00058
%RSD	490.62	180.15	51.332	28.156	39.836	130.06	32.101	6.2805	28.957	124.02	130.85	84.682	18.138
#1	.02911	-.00037	.00393	.00016	.00111	.00024	.00016	.00072	.00148	-.00237	.00232	-.00582	.00362
#2	-.05270	.00004	.00840	.00010	.00197	.00581	.00025	.00065	.00224	-.00016	.00009	-.00146	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00686**	**.00099**	**.00012**	**-.00006**	**.00049**	**.00030**	**.00143**	**.00018**	**.00189**	**.00043**
Stddev	.00124	.00079	.00007	.00085	.00031	.00106	.00144	.00038	.00032	.00108
%RSD	18.138	80.134	57.758	1528.6	62.855	357.35	100.67	206.24	16.674	251.89
#1	.00774	.00155	.00007	-.00065	.00070	-.00045	.00245	.00045	.00167	-.00034
#2	.00598	.00043	.00018	.00054	.00027	.00105	.00041	-.00008	.00212	.00119
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.3**	**63484.**	**6111.6**
Stddev	4.8	220.	56.7
%RSD	.12199	.34593	.92698
#1	3963.9	63329.	6071.6
#2	3970.7	63639.	6151.7

Sample Name: X Acquired: 4/9/2012 15:18:16 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01124**	**.11307**	**.01545**	**.09846**	**.01053**	**.00114**	**.11250**	**.21699**	**.00531**	**.01067**	**.01055**	**.01545**	**.11002**
Stddev	.00005	.00012	.00210	.00065	.00011	.00001	.00283	.00235	.00001	.00006	.00005	.00008	.00048
%RSD	.44412	.10726	13.564	.65525	1.0798	.89213	2.5123	1.0837	.25175	.53595	.46381	.52665	.43816
#1	.01120	.11315	.01396	.09891	.01061	.00115	.11450	.21865	.00530	.01063	.01052	.01551	.10968
#2	.01128	.11298	.01693	.09800	.01045	.00113	.11050	.21533	.00532	.01071	.01058	.01539	.11036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2251**	**.01029**	**.21956**	**.01090**	**.02045**	**1.0951**	**.04221**	**2.8156**	**.01022**	**.00228**	**.00995**	F **.00937**	**.49482**
Stddev	.0090	.00060	.00238	.00006	.00027	.0137	.00049	.0107	.00025	.00093	.00037	.00325	.00125
%RSD	.27994	5.8413	1.0857	.54946	1.3174	1.2542	1.1583	.37890	2.4629	40.908	3.6913	34.640	.25351
#1	3.2315	.01071	.21787	.01094	.02026	1.1048	.04187	2.8080	.01005	.00162	.01021	.01167	.49571
#2	3.2187	.00986	.22124	.01086	.02064	1.0854	.04256	2.8231	.01040	.00294	.00969	.00708	.49394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0589**	**.10416**	**.01071**	**.01486**	**.01036**	**.01769**	F **.08001**	**.01056**	**.02238**	**.01376**
Stddev	.0027	.00025	.00006	.00132	.00004	.00088	.00261	.00011	.00003	.00123
%RSD	.25351	.24456	.57077	8.8786	.37635	4.9898	3.2603	1.0453	.12883	8.9727
#1	1.0608	.10434	.01067	.01393	.01039	.01832	.07817	.01063	.02240	.01464
#2	1.0570	.10398	.01076	.01579	.01033	.01707	.08186	.01048	.02236	.01289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.6**	**63670.**	**6156.6**
Stddev	6.1	42.	.7
%RSD	.15246	.06610	.01109
#1	3988.3	63640.	6157.1
#2	3996.9	63699.	6156.2

Sample Name: CCVL1351092 Acquired: 4/9/2012 15:23:53 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01073**	**.10851**	**.01668**	**.09525**	**.01043**	**.00110**	**.11069**	**.21652**	**.00509**	**.01046**	**.01031**	**.01509**	**.10502**
Stddev	.00022	.00036	.00041	.00015	.00006	.00001	.00198	.00005	.00005	.00002	.00018	.00001	.00195
%RSD	2.0492	.32873	2.4832	.16171	.53257	1.2596	1.7896	.02392	.98968	.18294	1.7174	.03417	1.8531
#1	.01088	.10825	.01697	.09514	.01047	.00111	.10928	.21656	.00505	.01047	.01019	.01509	.10640
#2	.01057	.10876	.01638	.09536	.01039	.00109	.11209	.21649	.00512	.01044	.01044	.01510	.10364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1784**	**.00928**	**.21013**	**.01061**	**.01932**	**1.0917**	**.04146**	**2.7339**	**.01023**	**.00969**	F **.00627**	**.01299**	**.48416**
Stddev	.0270	.00121	.00258	.00005	.00016	.0022	.00006	.0081	.00124	.00192	.00060	.00145	.00777
%RSD	.85069	13.001	1.2277	.49756	.82032	.19734	.13804	.29742	12.113	19.764	9.5339	11.153	1.6043
#1	3.1975	.01013	.21195	.01065	.01943	1.0902	.04150	2.7281	.01111	.00834	.00584	.01402	.47867
#2	3.1592	.00843	.20830	.01057	.01921	1.0933	.04142	2.7396	.00935	.01105	.00669	.01197	.48965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0361**	**.10113**	**.01032**	**.01680**	**.00986**	**.01645**	**.05786**	**.00994**	**.02237**	**.01422**
Stddev	.0166	.00073	.00004	.00001	.00003	.00027	.00304	.00007	.00067	.00005
%RSD	1.6043	.71997	.41260	.04362	.26872	1.6119	5.2478	.69306	2.9843	.37167
#1	1.0243	.10164	.01035	.01680	.00984	.01664	.06001	.00999	.02190	.01418
#2	1.0479	.10062	.01029	.01681	.00988	.01626	.05571	.00990	.02285	.01426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4006.9**	**63874.**	**6043.7**
Stddev	19.2	153.	9.4
%RSD	.47890	.23943	.15496
#1	4020.5	63766.	6037.1
#2	3993.3	63982.	6050.4

Sample Name: CCVL1351092 Acquired: 4/9/2012 15:26:35 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01134**	**.10761**	**.01535**	**.09392**	**.01049**	**.00099**	**.10871**	**.23094**	**.00508**	**.01039**	**.01018**	**.01516**	**.10469**
Stddev	.00011	.00015	.00302	.00007	.00019	.00008	.00027	.00333	.00008	.00017	.00013	.00049	.00112
%RSD	.99283	.13853	19.696	.07136	1.8552	7.7360	.24774	1.4425	1.6530	1.6849	1.3142	3.2241	1.0657
#1	.01142	.10771	.01749	.09387	.01036	.00104	.10852	.23330	.00514	.01026	.01027	.01481	.10390
#2	.01126	.10750	.01322	.09397	.01063	.00093	.10891	.22858	.00502	.01051	.01008	.01550	.10548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2154**	**.00941**	**.20948**	**.01063**	**.01879**	**1.0908**	**.04117**	**2.7285**	**.00886**	**.00448**	**.00900**	F **.01008**	**.46369**
Stddev	.0398	.00230	.00097	.00013	.00014	.0223	.00021	.0028	.00124	.00256	.00237	.00010	.01344
%RSD	1.2368	24.425	.46314	1.2190	.76678	2.0422	.51445	.10331	13.991	57.019	26.286	1.0145	2.8987
#1	3.1873	.01104	.20879	.01054	.01889	1.0751	.04103	2.7265	.00973	.00629	.00733	.01015	.45419
#2	3.2435	.00778	.21016	.01072	.01869	1.1066	.04132	2.7305	.00798	.00268	.01068	.01000	.47320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99230**	**.09956**	**.01045**	**.01669**	**.00992**	**.01494**	**.05711**	**.01043**	**.02236**	**.01595**
Stddev	.02876	.00087	.00018	.00026	.00021	.00064	.01430	.00002	.00043	.00073
%RSD	2.8987	.87723	1.7668	1.5747	2.0683	4.2889	25.047	.21837	1.9071	4.5938
#1	.97196	.09895	.01032	.01650	.00977	.01449	.04699	.01044	.02206	.01647
#2	1.0126	.10018	.01058	.01687	.01006	.01540	.06722	.01041	.02266	.01543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.5**	**63665.**	**6108.0**
Stddev	9.1	644.	21.4
%RSD	.22714	1.0110	.35097
#1	4029.9	64120.	6123.1
#2	4017.0	63210.	6092.8

Sample Name: mb 280-114417/1-a Acquired: 4/9/2012 15:29:30 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00562**	**.00046**	**.00114**	**.00025**	**.00005**	**.00038**	**.04003**	**.00016**	**-.00003**
Stddev	.00002	.00008	.00188	.00023	.00020	.00003	.00046	.00208	.00021	.00004
%RSD	4.8844	1.5032	407.79	19.889	78.811	67.935	119.17	5.1936	129.59	128.36
#1	.00047	.00568	.00179	.00098	.00011	.00003	.00071	.04150	.00001	.00000
#2	.00044	.00556	-.00087	.00130	.00039	.00007	.00006	.03856	.00031	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00060**	**.02153**	**.02115**	**-.00025**	**.00580**	**.00029**	**.00007**	**.20976**	**.00110**
Stddev	.00016	.00000	.00107	.00058	.00043	.00178	.00002	.00010	.00081	.00027
%RSD	56.856	.07142	4.9554	2.7508	175.91	30.693	6.1635	151.27	.38550	25.044
#1	.00039	.00060	.02077	.02156	.00006	.00706	.00030	.00014	.20919	.00129
#2	.00017	.00060	.02228	.02074	-.00055	.00454	.00028	.00000	.21033	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00600**	**.00099**	F **.02783**	**-.00219**	**.00008**	**-.00057**	**-.00123**	**.00640**	**.00006**	**-.00041**
Stddev	.00149	.00002	.00042	.00033	.00508	.02132	.04562	.00005	.00000	.00043
%RSD	24.753	2.0866	1.5181	15.315	6137.0	3713.9	3713.9	.74243	5.9080	102.65
#1	.00495	.00097	.02813	-.00195	.00367	-.01565	-.03349	.00636	.00007	-.00011
#2	.00705	.00100	.02753	-.00242	-.00351	.01450	.03103	.00643	.00006	-.00072
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000							
Low Limit	-.00500		-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**-.00028**	**.00069**	**.00010**	**.00252**	**-.00086**
Stddev	.00029	.00002	.00823	.00029	.00020	.00155
%RSD	24.264	6.1048	1200.5	280.84	7.7572	179.26
#1	.00098	-.00029	-.00514	.00031	.00266	-.00196
#2	.00139	-.00026	.00651	-.00010	.00239	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4069.1**	**64999.**	**6236.0**
Stddev	7.4	319.	37.4
%RSD	.18070	.49092	.60048
#1	4063.9	64773.	6262.5
#2	4074.3	65225.	6209.6

Sample Name: lcs 280-114417/2-a Acquired: 4/9/2012 15:31:56 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05610**	**1.9597**	**1.0219**	**.99900**	**2.1081**	**.05174**	**2.1686**	**50.962**	**.10498**	**.50607**
Stddev	.00096	.0112	.0040	.00483	.0068	.00019	.0095	.225	.00064	.00165
%RSD	1.7064	.57375	.39040	.48389	.32148	.36326	.43886	.44121	.60834	.32624
#1	.05677	1.9517	1.0191	.99558	2.1129	.05187	2.1618	51.121	.10453	.50490
#2	.05542	1.9676	1.0247	1.0024	2.1033	.05161	2.1753	50.803	.10543	.50723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20530**	**.26828**	**1.0560**	**53.249**	**1.0545**	**51.398**	**.52834**	**1.0225**	**54.229**	**.51465**
Stddev	.00107	.00352	.0048	.114	.0024	.783	.00791	.0009	.145	.00127
%RSD	.51949	1.3132	.45519	.21394	.22565	1.5242	1.4973	.08533	.26698	.24724
#1	.20454	.27077	1.0594	53.329	1.0562	51.951	.53394	1.0219	54.332	.51375
#2	.20605	.26579	1.0526	53.168	1.0528	50.844	.52275	1.0231	54.127	.51555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.290**	**.50739**	**.04443**	**.49283**	**2.0919**	**1.7064**	F **3.6516**	**2.0484**	**1.0562**	**1.0335**
Stddev	.029	.00408	.00121	.00056	.0041	.0032	.0069	.0121	.0027	.0152
%RSD	.27790	.80469	2.7124	.11356	.19673	.18856	.18856	.59239	.25859	1.4697
#1	10.270	.50450	.04358	.49323	2.0890	1.7041	3.6467	2.0398	1.0581	1.0442
#2	10.311	.51028	.04528	.49243	2.0948	1.7086	3.6565	2.0570	1.0543	1.0227
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0406**	**2.0575**	F **2.2171**	**.52609**	**.51018**	**.46133**
Stddev	.0172	.0074	.0601	.00663	.00868	.00147
%RSD	1.6522	.36091	2.7099	1.2600	1.7007	.31930
#1	1.0528	2.0523	2.2596	.53077	.51632	.46237
#2	1.0284	2.0628	2.1747	.52140	.50404	.46029
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3837.6**	**60468.**	**6117.4**
Stddev	19.6	501.	1.8
%RSD	.50961	.82925	.03021
#1	3851.4	60113.	6116.0
#2	3823.7	60823.	6118.7

Sample Name: 280-27317-a-4-g Acquired: 4/9/2012 15:34:07 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**89.166**	**.02508**	**.01888**	**.91979**	**.00330**	**-.00476**	**29.175**	**.00063**	**.04963**
Stddev	.00004	.159	.00586	.00046	.00403	.00005	.00110	.002	.00007	.00039
%RSD	3.3757	.17838	23.360	2.4407	.43848	1.4733	23.153	.00716	10.360	.77985
#1	.00106	89.054	.02923	.01921	.91694	.00326	-.00554	29.176	.00058	.04935
#2	.00111	89.279	.02094	.01856	.92265	.00333	-.00398	29.173	.00067	.04990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11917**	**.17208**	**146.21**	**20.517**	**.10158**	**31.981**	**2.5349**	**.00226**	**2.7987**	**.11691**
Stddev	.00003	.00043	.45	.047	.00042	.011	.0027	.00056	.0172	.00012
%RSD	.02663	.24950	.30776	.22690	.41813	.03418	.10556	24.917	.61348	.09945
#1	.11920	.17238	145.89	20.484	.10188	31.973	2.5368	.00186	2.7865	.11700
#2	.11915	.17178	146.53	20.550	.10128	31.989	2.5330	.00266	2.8108	.11683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.7342**	**.03951**	**.71855**	**.00010**	**-.00195**	**2.8704**	**6.1427**	**.00794**	**.38541**	**.03935**
Stddev	.0044	.00183	.00304	.00331	.00395	.0161	.0345	.00022	.00239	.00022
%RSD	.09228	4.6423	.42367	3483.0	202.16	.56173	.56173	2.8258	.61957	.55720
#1	4.7373	.03821	.71639	.00244	-.00474	2.8818	6.1671	.00778	.38372	.03951
#2	4.7311	.04080	.72070	-.00225	.00084	2.8590	6.1183	.00810	.38709	.03920
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.8415**	**.00278**	W **-.06922**	**.34452**	**.36487**	**.06775**
Stddev	.0055	.00068	.01220	.00078	.00188	.00186
%RSD	.08003	24.466	17.624	.22720	.51624	2.7414
#1	6.8454	.00230	-.07785	.34507	.36621	.06644
#2	6.8377	.00327	-.06060	.34397	.36354	.06906
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4032.7**	**63151.**	**6412.4**
Stddev	2.4	17.	24.9
%RSD	.05979	.02714	.38795
#1	4031.0	63138.	6394.8
#2	4034.4	63163.	6430.0

Sample Name: 280-27317-a-4-gSD@5 Acquired: 4/9/2012 15:36:24 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**18.474**	**.00943**	**.00496**	**.18976**	**.00076**	**.00153**	**6.1169**	**.00015**	**.01077**
Stddev	.00013	.078	.00036	.00011	.00023	.00002	.00132	.0334	.00002	.00013
%RSD	16.377	.41963	3.8020	2.2674	.12257	2.7397	86.644	.54537	12.719	1.2149
#1	.00071	18.419	.00917	.00488	.18959	.00077	.00246	6.0933	.00014	.01068
#2	.00089	18.529	.00968	.00503	.18992	.00074	.00059	6.1405	.00016	.01087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02504**	**.03492**	**29.738**	**4.1973**	**.02063**	**6.8510**	**.52974**	**.00021**	**.57389**	**.02477**
Stddev	.00025	.00037	.175	.0213	.00268	.0023	.00113	.00009	.00273	.00006
%RSD	.99267	1.0692	.58708	.50724	13.003	.03296	.21245	45.236	.47593	.22712
#1	.02486	.03519	29.615	4.1823	.01874	6.8494	.52895	.00014	.57583	.02473
#2	.02521	.03466	29.862	4.2124	.02253	6.8526	.53054	.00027	.57196	.02481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98839**	**.00913**	**.15345**	**-.00011**	**-.00362**	**.61109**	**1.3077**	**.00096**	**.07954**	**.01068**
Stddev	.00480	.00034	.00171	.00112	.00076	.00640	.0137	.00068	.00051	.00087
%RSD	.48519	3.6769	1.1125	1038.2	20.948	1.0473	1.0473	71.213	.64550	8.1364
#1	.98500	.00937	.15466	.00069	-.00309	.60657	1.2981	.00144	.07918	.01007
#2	.99179	.00890	.15224	-.00090	-.00416	.61562	1.3174	.00048	.07991	.01130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4020**	**.00100**	**-.03695**	**.07048**	**.07872**	**.01588**
Stddev	.0022	.00010	.01372	.00010	.00018	.00009
%RSD	.15958	10.128	37.122	.13963	.22522	.57674
#1	1.4004	.00093	-.02725	.07041	.07884	.01581
#2	1.4036	.00107	-.04665	.07055	.07859	.01594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4052.0**	**63965.**	**6316.4**
Stddev	16.0	438.	51.6
%RSD	.39603	.68448	.81683
#1	4063.3	64275.	6352.9
#2	4040.6	63656.	6279.9

Sample Name: 280-27317-a-4-h ms Acquired: 4/9/2012 15:38:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05453	108.91	.99996	.96134	2.8830	.05295	F 2.0787	85.339	.10225	.52742
Stddev	.00037	.53	.00705	.00859	.0117	.00003	.0129	.354	.00065	.00284
%RSD	.67791	.48557	.70469	.89375	.40664	.05032	.61936	.41525	.63600	.53940
#1	.05427	109.28	.99498	.95527	2.8913	.05293	2.0696	85.590	.10179	.52541
#2	.05479	108.53	1.0049	.96742	2.8747	.05297	2.0878	85.088	.10271	.52944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.32262	.42802	147.50	73.425	1.1405	83.145	3.0854	.95977	56.924	.59242
Stddev	.00278	.00092	.31	.302	.0054	.319	.0547	.00650	.460	.00265
%RSD	.86247	.21548	.21343	.41074	.47215	.38340	1.7735	.67697	.80842	.44700
#1	.32065	.42736	147.73	73.638	1.1443	82.920	3.0467	.95518	57.250	.59055
#2	.32459	.42867	147.28	73.212	1.1366	83.371	3.1241	.96436	56.599	.59429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 13.916	.50241	.68378	.28455	2.0184	6.0673	12.984	1.8912	1.4147	1.0175
Stddev	.099	.00269	.00426	.00249	.0185	.1415	.303	.0098	.0041	.0085
%RSD	.70963	.53494	.62232	.87681	.91863	2.3322	2.3322	.52033	.29045	.83614
#1	13.847	.50051	.68077	.28278	2.0052	6.1674	13.198	1.8842	1.4176	1.0115
#2	13.986	.50431	.68678	.28631	2.0315	5.9673	12.770	1.8982	1.4118	1.0235
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.1071	1.8939	2.0413	.86441	.83777	.52666
Stddev	.0451	.0209	.0167	.00665	.00710	.00386
%RSD	.49521	1.1035	.81783	.76936	.84745	.73377
#1	9.0753	1.8791	2.0295	.85971	.83275	.52939
#2	9.1390	1.9087	2.0531	.86911	.84279	.52392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3884.3	60857.	6370.8
Stddev	22.9	295.	32.0
%RSD	.58891	.48542	.50162
#1	3900.5	61066.	6348.2
#2	3868.1	60648.	6393.4

Sample Name: 280-27317-a-4-i msd Acquired: 4/9/2012 15:41:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05264**	**98.322**	**.96594**	**.93834**	**2.6718**	**.05113**	F **2.0183**	**76.897**	**.09926**	**.50525**
Stddev	.00019	.167	.00053	.00032	.0144	.00007	.0022	.120	.00007	.00214
%RSD	.36602	.17020	.05436	.03389	.53856	.12887	.10933	.15616	.07096	.42341
#1	.05277	98.440	.96557	.93856	2.6819	.05117	2.0167	76.982	.09931	.50676
#2	.05250	98.204	.96632	.93811	2.6616	.05108	2.0198	76.812	.09921	.50374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30444**	**.39578**	**127.49**	**69.395**	**1.0984**	**74.965**	**2.6424**	**.93393**	**54.562**	**.56393**
Stddev	.00116	.00046	.37	.388	.0027	.105	.0045	.00282	.013	.00093
%RSD	.38106	.11520	.29250	.55926	.24518	.14039	.16861	.30215	.02297	.16427
#1	.30526	.39610	127.76	69.669	1.1003	74.890	2.6393	.93592	54.571	.56458
#2	.30362	.39546	127.23	69.120	1.0965	75.039	2.6456	.93193	54.553	.56327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.322**	**.48735**	**.69054**	**.29740**	**1.9540**	**5.9288**	**12.688**	**1.8374**	**1.2990**	**1.0164**
Stddev	.012	.00017	.00414	.00212	.0020	.0152	.032	.0029	.0062	.0049
%RSD	.09111	.03555	.60014	.71381	.10163	.25573	.25573	.15534	.48048	.48088
#1	13.330	.48747	.69347	.29590	1.9526	5.9395	12.710	1.8394	1.3034	1.0130
#2	13.313	.48723	.68761	.29891	1.9554	5.9180	12.665	1.8354	1.2945	1.0199
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.7407**	**1.8454**	**1.9888**	**.79525**	**.77091**	**.50223**
Stddev	.0001	.0068	.0085	.00092	.00005	.00229
%RSD	.00116	.36631	.42569	.11584	.00667	.45567
#1	7.7406	1.8501	1.9948	.79460	.77087	.50061
#2	7.7408	1.8406	1.9828	.79590	.77094	.50385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3943.8**	**61986.**	**6375.9**
Stddev	15.1	274.	13.1
%RSD	.38240	.44132	.20501
#1	3933.2	62180.	6385.1
#2	3954.5	61793.	6366.6

Sample Name: 280-27317-a-4-gPDS Acquired: 4/9/2012 15:43:09 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04715**	**89.809**	**.24312**	**.11403**	**1.0342**	**.05941**	**-.00434**	**51.495**	**.05756**	**.10227**
Stddev	.00023	.198	.00317	.00029	.0010	.00033	.00071	.169	.00005	.00046
%RSD	.49242	.22011	1.3031	.25335	.10160	.55383	16.473	.32734	.09317	.44916
#1	.04731	89.949	.24536	.11382	1.0349	.05964	-.00484	51.614	.05760	.10195
#2	.04698	89.669	.24088	.11423	1.0334	.05918	-.00383	51.376	.05752	.10260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17131**	**.22672**	**146.20**	**43.989**	**.21894**	**52.604**	**2.4999**	**.05046**	**27.123**	**.16690**
Stddev	.00025	.00016	.66	.003	.00004	.500	.0204	.00076	.176	.00032
%RSD	.14773	.07077	.44829	.00776	.01984	.94970	.81590	1.4996	.64869	.19323
#1	.17113	.22660	146.66	43.991	.21897	52.957	2.5143	.04993	27.248	.16713
#2	.17149	.22683	145.74	43.986	.21891	52.251	2.4855	.05100	26.999	.16668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7826**	**.14529**	**.71867**	**.09934**	**.22237**	**8.0378**	**17.201**	**.10527**	**.44255**	**.25205**
Stddev	.0170	.00094	.00004	.00146	.00156	.0352	.075	.00053	.00048	.00622
%RSD	.25113	.64380	.00606	1.4729	.70245	.43736	.43736	.50795	.10911	2.4687
#1	6.7946	.14595	.71864	.09831	.22126	8.0627	17.254	.10489	.44221	.25645
#2	6.7705	.14463	.71870	.10038	.22347	8.0130	17.148	.10565	.44289	.24765
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7168**	**.22337**	**.52160**	**.39325**	**.56692**	**.10892**
Stddev	.0625	.00437	.00754	.00332	.00628	.00074
%RSD	.93052	1.9546	1.4461	.84297	1.1084	.67808
#1	6.7610	.22028	.52693	.39560	.57137	.10840
#2	6.6726	.22646	.51627	.39091	.56248	.10945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3999.2**	**63114.**	**6353.7**
Stddev	1.0	426.	4.1
%RSD	.02394	.67485	.06520
#1	3998.5	62813.	6350.8
#2	3999.8	63415.	6356.6

Sample Name: CCVH-1326164 Acquired: 4/9/2012 15:45:23 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00315**	**51.800**	**-.00054**	**.00326**	**.00062**	**.00007**	**1.0072**	**-.00037**	**-.00015**	**.00010**	**.00112**	**.00532**	**51.941**
Stddev	.00036	.168	.00084	.00047	.00004	.00002	.0076	.00310	.00005	.00022	.00009	.00019	.129
%RSD	11.524	.32354	153.83	14.552	6.8186	33.492	.75555	848.14	33.407	219.01	7.9898	3.5265	.24801
#1	.00340	51.681	.00005	.00359	.00059	.00005	1.0126	.00183	-.00011	-.00006	.00106	.00545	51.850
#2	.00289	51.918	-.00113	.00292	.00065	.00008	1.0018	-.00256	-.00019	.00026	.00119	.00519	52.032
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05195**	**.00099**	**.01891**	**.00006**	**-.00042**	**258.52**	**.00199**	**.00268**	**-.00200**	**4.8916**	**-.00094**	**-.00981**	**.00623**
Stddev	.02822	.00035	.00013	.00004	.00004	2.04	.00047	.00001	.00011	.0260	.00309	.00332	.00760
%RSD	54.325	35.216	.68364	66.781	9.6855	.79019	23.563	.27280	5.6751	.53201	330.41	33.802	122.06
#1	.07191	.00123	.01901	.00003	-.00039	257.07	.00232	.00268	-.00208	4.9100	.00125	-.01216	.00085
#2	.03200	.00074	.01882	.00009	-.00044	259.96	.00165	.00267	-.00192	4.8732	-.00312	-.00747	.01161
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01333**	**.00239**	**.00043**	**4.8032**	**.00449**	**.00175**	**10.345**	**.00334**	**.00121**	**-.19045**
Stddev	.01627	.00157	.00000	.0098	.00018	.00080	.027	.00006	.00046	.00171
%RSD	122.06	65.735	.38849	.20483	3.9656	45.883	.26023	1.9250	38.070	.89952
#1	.00183	.00128	.00043	4.7962	.00437	.00231	10.326	.00338	.00088	-.18924
#2	.02484	.00351	.00043	4.8101	.00462	.00118	10.364	.00329	.00154	-.19166
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3898.7**	**60891.**	**6163.1**
Stddev	7.9	41.	37.0
%RSD	.20283	.06716	.59992
#1	3893.1	60920.	6189.3
#2	3904.3	60862.	6137.0

Sample Name: CCV-1343805 Acquired: 4/9/2012 15:47:44 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51622**	**.51304**	**.98544**	**.50813**	**.53285**	**.51230**	**.00018**	**5.2074**	**.51250**	**.50411**	**.50413**	**.51929**	**2.6561**
Stddev	.00187	.00258	.00466	.00235	.00379	.00242	.00075	.0403	.00311	.00281	.00329	.00149	.0260
%RSD	.36298	.50293	.47269	.46208	.71150	.47322	423.74	.77302	.60637	.55751	.65303	.28659	.97719
#1	.51489	.51486	.98873	.50979	.53553	.51402	-.00035	5.2358	.51470	.50610	.50645	.51824	2.6745
#2	.51754	.51121	.98214	.50647	.53017	.51059	.00071	5.1789	.51030	.50213	.50180	.52034	2.6377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.750**	**1.0584**	**19.995**	**.50379**	**.50005**	**5.1969**	**.50516**	**.99232**	**.98920**	**.00353**	**1.0158**	**1.0534**	**5.1437**
Stddev	.425	.0071	.027	.00071	.00520	.0519	.00367	.00501	.00759	.00156	.0003	.0130	.0579
%RSD	.80592	.67157	.13320	.14153	1.0393	.99942	.72723	.50529	.76703	44.229	.03229	1.2353	1.1257
#1	53.051	1.0634	19.976	.50328	.50373	5.2336	.50776	.99587	.99457	.00463	1.0161	1.0626	5.1847
#2	52.449	1.0533	20.014	.50429	.49638	5.1602	.50256	.98878	.98384	.00242	1.0156	1.0442	5.1028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.008**	**1.0177**	**.52201**	**.01305**	**.49887**	**1.0575**	**-.01628**	**.50335**	**.48722**	**.50006**
Stddev	.124	.0130	.00369	.00045	.00130	.0110	.00365	.00086	.00081	.00605
%RSD	1.1257	1.2756	.70735	3.4370	.26087	1.0384	22.423	.17075	.16670	1.2097
#1	11.095	1.0269	.52462	.01273	.49795	1.0652	-.01370	.50396	.48779	.50434
#2	10.920	1.0085	.51940	.01336	.49979	1.0497	-.01887	.50275	.48664	.49579
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3974.9**	**63029.**	**6092.8**
Stddev	13.9	58.	52.1
%RSD	.34930	.09159	.85456
#1	3965.0	62988.	6056.0
#2	3984.7	63070.	6129.6

Sample Name: CCB Acquired: 4/9/2012 15:49:57 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00091**	**.00103**	**.00088**	**.00013**	**.00002**	**.00002**	**-.00168**	**-.00002**	**-.00029**	**.00013**	**-.00101**	**.00228**
Stddev	.00009	.00020	.00298	.00017	.00008	.00001	.00167	.00307	.00007	.00012	.00011	.00008	.00143
%RSD	10.060	21.693	288.75	19.420	60.035	36.087	9665.2	183.03	350.99	42.420	85.628	8.0908	62.692
#1	.00098	.00105	-.00108	.00076	.00019	.00002	-.00117	.00049	.00003	-.00037	.00021	-.00106	.00329
#2	.00085	.00077	.00314	.00100	.00008	.00001	.00120	-.00385	-.00007	-.00020	.00005	-.00095	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03343**	**-.00002**	**.00179**	**.00005**	**.00116**	**.00796**	**.00003**	**.00071**	**.00081**	**-.00008**	**.00175**	**-.00376**	**.00754**
Stddev	.02427	.00008	.00057	.00001	.00036	.00164	.00015	.00017	.00150	.00269	.00062	.00237	.00541
%RSD	72.600	404.83	31.680	19.294	31.416	20.580	473.19	23.450	185.84	3246.3	35.586	63.004	71.715
#1	.05060	.00004	.00219	.00006	.00090	.00912	.00014	.00059	-.00025	.00182	.00131	-.00543	.01136
#2	.01627	-.00008	.00139	.00004	.00141	.00680	-.00007	.00083	.00187	-.00198	.00220	-.00208	.00372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01614**	**.00093**	**.00011**	**.00037**	**.00057**	**.00014**	**-.00270**	**.00024**	**.00103**	**.00139**
Stddev	.01157	.00007	.00006	.00212	.00003	.00006	.00047	.00030	.00004	.00064
%RSD	71.715	7.7374	53.967	570.01	4.8114	42.009	17.591	124.85	4.1959	45.702
#1	.02432	.00098	.00007	.00187	.00059	.00018	-.00303	.00046	.00100	.00184
#2	.00795	.00088	.00016	-.00113	.00055	.00009	-.00236	.00003	.00106	.00094
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.5**	**63740.**	**6052.3**
Stddev	10.0	83.	39.2
%RSD	.24801	.13031	.64704
#1	4016.4	63798.	6080.0
#2	4030.5	63681.	6024.6

Sample Name: CCVL-1351092 Acquired: 4/9/2012 15:52:22 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01166**	**.10649**	**.01659**	**.09434**	**.01130**	**.00110**	**.10914**	**.21453**	**.00519**	**.01021**	**.01027**	**.01460**	**.10971**	**3.3520**
Stddev	.00031	.00056	.00343	.00042	.00005	.00005	.00301	.00168	.00002	.00010	.00001	.00022	.00385	.0409
%RSD	2.6676	.52242	20.695	.44955	.40452	4.3797	2.7539	.78401	.45267	.97627	.09170	1.5363	3.5103	1.2199
#1	.01144	.10688	.01902	.09464	.01127	.00107	.10702	.21334	.00517	.01014	.01027	.01444	.10699	3.3231
#2	.01188	.10609	.01416	.09404	.01134	.00114	.11127	.21572	.00521	.01028	.01028	.01476	.11243	3.3810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01055**	**.20590**	**.01056**	**.01989**	**1.1098**	**.04170**	**2.7460**	**.00947**	**.00375**	**.00961**	**.01371**	**.49333**	**1.0557**	**.10280**
Stddev	.00128	.00033	.00005	.00021	.0040	.00032	.0158	.00063	.00044	.00017	.00659	.00626	.0134	.00063
%RSD	12.105	.15960	.47520	1.0762	.36266	.77094	.57689	6.6857	11.863	1.8022	48.050	1.2697	1.2697	.61485
#1	.01145	.20566	.01052	.01974	1.1069	.04193	2.7572	.00902	.00343	.00973	.01836	.49776	1.0652	.10325
#2	.00964	.20613	.01059	.02004	1.1126	.04147	2.7348	.00992	.00406	.00949	.00905	.48890	1.0462	.10236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01084**	**.01543**	**.01008**	**.01680**	**.06205**	**.01037**	**.02109**	**.01416**
Stddev	.00009	.00054	.00000	.00139	.00150	.00014	.00033	.00054
%RSD	.80417	3.4908	.00098	8.2965	2.4223	1.3519	1.5443	3.8283
#1	.01078	.01581	.01008	.01582	.06311	.01027	.02086	.01378
#2	.01090	.01505	.01008	.01779	.06099	.01047	.02132	.01454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4044.1**	**64805.**	**6124.4**
Stddev	13.0	328.	24.3
%RSD	.32238	.50684	.39598
#1	4034.9	65037.	6107.3
#2	4053.4	64572.	6141.6

Sample Name: BLANK SAR WATER Acquired: 4/9/2012 15:54:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00031**	**.00010**	**.00135**	**.00009**	**.00007**	**-.00024**	**-.00282**	**.00010**	**-.00007**
Stddev	.00016	.00003	.00072	.00037	.00002	.00001	.00117	.00226	.00003	.00007
%RSD	15.863	8.6312	713.81	27.095	22.043	16.908	478.37	80.295	26.814	94.368
#1	.00092	.00029	-.00041	.00161	.00011	.00008	-.00107	-.00122	.00012	-.00012
#2	.00115	.00033	.00061	.00109	.00008	.00007	.00058	-.00442	.00008	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00145**	**.00203**	**.01701**	**.00084**	**.00063**	**.00002**	**.00014**	**-.00434**	**-.00009**
Stddev	.00006	.00046	.00020	.00301	.00090	.00085	.00004	.00008	.00127	.00009
%RSD	5208.0	31.870	9.6507	17.718	107.47	134.77	166.53	53.225	29.346	97.988
#1	-.00004	-.00178	.00189	.01914	.00148	.00003	.00005	.00009	-.00524	-.00003
#2	.00005	-.00113	.00217	.01488	.00020	.00123	.00000	.00020	-.00344	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00045**	**.00037**	**.00056**	**-.00392**	W **-.00876**	**-.01875**	**-.00037**	**.00007**	**.00201**
Stddev	.00029	.00085	.00125	.00024	.00549	.00208	.00446	.00074	.00007	.00081
%RSD	32.920	186.41	336.08	42.659	139.94	23.776	23.776	197.71	103.27	40.177
#1	.00067	.00105	-.00051	.00039	-.00781	-.00729	-.01560	.00015	.00012	.00144
#2	.00107	-.00014	.00125	.00073	-.00004	-.01024	-.02191	-.00090	.00002	.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.00500				
Low Limit						-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00018**	**-.02209**	**.00001**	**.00117**	**-.00117**
Stddev	.00015	.00090	.00921	.00006	.00006	.00098
%RSD	88.423	512.20	41.675	908.79	4.7114	83.591
#1	.00007	.00081	-.01558	-.00004	.00121	-.00048
#2	.00028	-.00046	-.02860	.00005	.00113	-.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4021.0**	**64664.**	**6032.2**
Stddev	24.5	58.	8.0
%RSD	.60875	.08962	.13337
#1	4038.3	64705.	6037.9
#2	4003.7	64623.	6026.5

Sample Name: 27279-1 Acquired: 4/9/2012 15:57:10 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00077	.00374	-.00041	.04747	.10011	.00005	.00438	6.9653	-.00024	-.00028
Stddev	.00058	.00076	.00217	.00014	.00007	.00004	.00073	.0211	.00003	.00000
%RSD	75.301	20.433	531.08	.29398	.06647	78.123	16.667	.30362	12.633	1.7357
#1	.00036	.00428	.00113	.04757	.10016	.00002	.00490	6.9803	-.00022	-.00027
#2	.00118	.00320	-.00195	.04738	.10007	.00008	.00386	6.9504	-.00026	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00133	.10794	2.1241	.01633	.59144	.01626	.00465	73.316	.00004
Stddev	.00004	.00005	.00086	.0517	.00175	.00383	.00009	.00020	.158	.00001
%RSD	40.246	3.7965	.79515	2.4342	10.695	.64679	.57977	4.2129	.21501	35.016
#1	.00013	.00136	.10733	2.0875	.01509	.59414	.01632	.00451	73.204	.00003
#2	.00007	.00129	.10854	2.1606	.01756	.58873	.01619	.00479	73.427	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00640	-.00017	6.4083	.00029	-.00140	6.3789	13.651	-.00042	.14264	-.00016
Stddev	.00014	.00184	.0434	.00207	.00039	.0064	.014	.00071	.00008	.00018
%RSD	2.2358	1082.9	.67680	714.89	27.735	.10029	.10029	168.81	.05517	112.25
#1	.00650	.00113	6.3776	.00176	-.00113	6.3834	13.660	.00008	.14259	-.00003
#2	.00630	-.00147	6.4389	-.00118	-.00167	6.3743	13.641	-.00092	.14270	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00155	-.01200	-.00008	.10917	.00038
Stddev	.00017	.00034	.01423	.00005	.00052	.00047
%RSD	79.046	21.654	118.61	64.186	.47553	125.60
#1	.00034	.00131	-.02206	-.00005	.10954	.00004
#2	.00010	.00179	-.00193	-.00012	.10881	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4043.8	64195.	6116.4
Stddev	36.6	221.	30.1
%RSD	.90457	.34490	.49215
#1	4069.7	64038.	6137.7
#2	4018.0	64352.	6095.1

Sample Name: 27279-1SD@5 Acquired: 4/9/2012 15:59:32 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00206**	**.00006**	**.00962**	**.02010**	**.00006**	**.00139**	**1.4027**	**-.00021**	**.00009**
Stddev	.00028	.00036	.00080	.00018	.00025	.00006	.00112	.0003	.00008	.00002
%RSD	29.892	17.636	1386.9	1.8481	1.2403	93.570	80.651	.01766	41.065	25.512
#1	.00073	.00180	.00062	.00949	.02028	.00010	.00060	1.4029	-.00015	.00008
#2	.00112	.00231	-.00051	.00974	.01993	.00002	.00218	1.4025	-.00027	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00076**	**.02836**	**.45083**	**.00348**	**.11998**	**.00332**	**.00074**	**15.294**	**.00010**
Stddev	.00011	.00006	.00231	.01858	.00023	.00068	.00001	.00021	.002	.00017
%RSD	21.325	7.6998	8.1515	4.1203	6.6026	.56417	.24621	28.958	.01263	171.42
#1	.00059	-.00072	.02672	.46396	.00364	.12046	.00331	.00089	15.295	-.00002
#2	.00043	-.00080	.02999	.43769	.00332	.11950	.00332	.00059	15.292	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**.00107**	**1.2135**	**-.00344**	**-.00355**	**1.2485**	**2.6717**	**.00017**	**.02883**	**.00031**
Stddev	.00025	.00026	.0012	.00090	.00401	.0058	.0124	.00019	.00006	.00203
%RSD	15.697	23.800	.09618	26.024	112.76	.46487	.46487	112.76	.20873	659.14
#1	.00143	.00126	1.2127	-.00281	-.00639	1.2526	2.6805	.00031	.02878	-.00113
#2	.00178	.00089	1.2144	-.00407	-.00072	1.2443	2.6629	.00003	.02887	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00236**	**-.01200**	**.00007**	**.02294**	**.00243**
Stddev	.00014	.00202	.01078	.00001	.00010	.00277
%RSD	34.078	85.731	89.846	19.626	.43355	113.74
#1	.00052	.00093	-.01962	.00009	.02287	.00048
#2	.00032	.00378	-.00437	.00006	.02301	.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4062.3**	**64975.**	**6076.1**
Stddev	9.9	366.	10.9
%RSD	.24459	.56359	.17929
#1	4069.3	65234.	6083.8
#2	4055.3	64717.	6068.4

Sample Name: 27271-1 Acquired: 4/9/2012 16:01:58 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Mg DQR 026

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**.03437**	**.00288**	**.35706**	**.06877**	**.00009**	**.00236**	**249.48**	**.00026**	**.00401**
Stddev	.00033	.00031	.00237	.00208	.00001	.00001	.00155	.88	.00012	.00000
%RSD	17.016	.91075	82.144	.58144	.00850	7.8643	65.637	.35192	44.868	.06352
#1	.00214	.03415	.00121	.35853	.06878	.00009	.00345	250.11	.00034	.00401
#2	.00168	.03460	.00455	.35559	.06877	.00010	.00126	248.86	.00018	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**.00117**	**1.5892**	**2.3225**	**.01177**	**72.064**	**6.3530**	**.00328**	**274.68**	**.01226**
Stddev	.00018	.00009	.0104	.0568	.00046	.588	.0553	.00032	2.06	.00021
%RSD	5.9599	7.6996	.65425	2.4451	3.8710	.81586	.86967	9.7697	.74893	1.6822
#1	.00316	.00124	1.5966	2.3627	.01210	72.479	6.3921	.00350	276.13	.01240
#2	.00291	.00111	1.5819	2.2824	.01145	71.648	6.3140	.00305	273.22	.01211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09385**	**.00167**	F **295.63**	**-.00315**	**-.00261**	**7.2860**	**15.592**	**.00036**	**.98159**	**.00022**
Stddev	.00921	.00167	1.09	.00047	.00117	.0202	.043	.00115	.00731	.00070
%RSD	9.8128	100.08	.36937	14.869	44.954	.27714	.27714	318.29	.74478	321.71
#1	.08734	.00286	296.40	-.00282	-.00178	7.3003	15.623	-.00045	.98676	.00071
#2	.10036	.00049	294.85	-.00348	-.00343	7.2717	15.561	.00117	.97642	-.00028
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**-.00003**	**-.04699**	**.00332**	**.00720**	**.00122**
Stddev	.00002	.00078	.02347	.00044	.00017	.00067
%RSD	1.3642	2934.0	49.944	13.330	2.2946	55.456
#1	.00182	.00052	-.03040	.00301	.00731	.00169
#2	.00178	-.00058	-.06359	.00363	.00708	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3704.6**	**58698.**	**6006.3**
Stddev	7.3	323.	1.9
%RSD	.19681	.55106	.03131
#1	3709.7	58470.	6007.6
#2	3699.4	58927.	6005.0

Sample Name: LRA-1341785 Acquired: 4/9/2012 16:04:31 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0646**	**.02276**	**9.6401**	**9.6456**	**12.748**	**.00082**	**-.00710**	**.03003**	**2.0556**	**4.9377**	**9.8693**	**10.626**	**528.91**
Stddev	.0007	.00910	.0468	.0302	.011	.00000	.00217	.00247	.0003	.0015	.0237	.083	3.67
%RSD	.03371	39.962	.48561	.31273	.08373	.16621	30.570	8.2238	.01212	.03147	.24050	.78376	.69482
#1	2.0651	.02919	9.6070	9.6242	12.741	.00082	-.00864	.03178	2.0554	4.9388	9.8860	10.685	526.31
#2	2.0641	.01633	9.6732	9.6669	12.756	.00082	-.00557	.02829	2.0558	4.9366	9.8525	10.568	531.51
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00133**	**-.07850**	**9.9429**	**4.9127**	**.05309**	**9.9293**	**.01167**	**9.7126**	**.03131**	**-.14253**	**5.1581**	**50.216**
Stddev	.00588	.00137	.00010	.0782	.0097	.01652	.0049	.00151	.0394	.00253	.00308	.0102	.480
%RSD	3569.7	102.46	.13352	.78651	.19682	31.115	.04936	12.964	.40539	8.0908	2.1625	.19727	.95534
#1	.00399	-.00037	-.07857	9.8876	4.9196	.06477	9.9328	.01060	9.6848	.02952	-.14471	5.1653	49.877
#2	-.00432	-.00230	-.07842	9.9982	4.9059	.04141	9.9259	.01274	9.7404	.03310	-.14035	5.1509	50.555
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**107.46**	**.00086**	**10.769**	**-.05208**	**9.7610**	**5.1276**	**.07470**	**10.006**	**9.1866**	**.00300**
Stddev	1.03	.00026	.099	.00192	.0455	.0002	.01882	.049	.0507	.00008
%RSD	.95534	29.693	.92349	3.6798	.46574	.00314	25.197	.49129	.55170	2.5319
#1	106.74	.00104	10.699	-.05072	9.7289	5.1274	.08801	9.9708	9.1507	.00306
#2	108.19	.00068	10.840	-.05343	9.7932	5.1277	.06139	10.040	9.2224	.00295
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3870.9**	**62272.**	**6078.5**
Stddev	6.2	315.	51.7
%RSD	.16036	.50553	.85050
#1	3875.3	62495.	6115.1
#2	3866.5	62050.	6042.0

Sample Name: CCVH-1326164 Acquired: 4/9/2012 16:07:13 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00350**	**52.536**	**-.00073**	**.01117**	**.00062**	**.00002**	**1.0117**	**-.00107**	**-.00008**	**.00027**	**.00117**	**.00524**
Stddev	.00011	.093	.00146	.00095	.00019	.00001	.0001	.00153	.00013	.00001	.00023	.00061
%RSD	3.0881	.17704	199.18	8.4688	30.738	54.303	.01245	142.74	164.14	4.1414	19.970	11.608
#1	.00342	52.470	.00030	.01184	.00049	.00001	1.0118	-.00215	-.00017	.00026	.00134	.00481
#2	.00357	52.602	-.00177	.01051	.00075	.00003	1.0116	.00001	.00001	.00028	.00101	.00567
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.571**	**.08893**	**.00039**	**.00989**	**-.00002**	**.00659**	**261.72**	**.00199**	**.00508**	**-.00266**	**4.9600**	**-.00040**
Stddev	.059	.00260	.00153	.00312	.00007	.00356	.79	.00008	.00033	.00269	.0167	.00181
%RSD	.11286	2.9211	393.67	31.525	295.38	54.116	.30203	3.9282	6.4264	101.09	.33710	455.40
#1	52.529	.09076	.00147	.00768	-.00008	.00407	261.16	.00204	.00531	-.00076	4.9718	.00088
#2	52.613	.08709	-.00069	.01209	.00003	.00911	262.28	.00193	.00485	-.00457	4.9482	-.00168
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00563**	**.05120**	**.10956**	**.00289**	**.00048**	W **4.7223**	**.00538**	**.00336**	**10.373**	**.00300**	**.00144**	**-.18848**
Stddev	.00023	.00010	.00022	.00156	.00006	.0425	.00000	.00005	.079	.00008	.00005	.00431
%RSD	4.1147	.19628	.19628	54.026	11.866	.90031	.08837	1.5319	.75969	2.5679	3.4225	2.2873
#1	-.00579	.05127	.10971	.00400	.00044	4.6923	.00537	.00332	10.317	.00295	.00147	-.18543
#2	-.00547	.05112	.10941	.00179	.00052	4.7524	.00538	.00339	10.429	.00306	.00140	-.19153
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3902.6**	**61251.**	**6041.5**
Stddev	6.8	334.	20.3
%RSD	.17418	.54517	.33596
#1	3907.4	61487.	6055.9
#2	3897.8	61014.	6027.2

Sample Name: CCV-1343805 Acquired: 4/9/2012 16:09:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51494**	**.50753**	**.95190**	**.49935**	**.53822**	**.51211**	**.00047**	**5.1967**	**.50470**	**.50031**	**.50161**	**.51800**	**2.6914**
Stddev	.00053	.00204	.00014	.00086	.00158	.00035	.00164	.0241	.00105	.00004	.00073	.00273	.0091
%RSD	.10283	.40234	.01520	.17216	.29418	.06823	347.84	.46304	.20817	.00775	.14537	.52667	.33800
#1	.51531	.50609	.95200	.49874	.53710	.51186	-.00069	5.1797	.50396	.50028	.50110	.51993	2.6849
#2	.51457	.50897	.95180	.49996	.53934	.51236	.00163	5.2137	.50545	.50033	.50213	.51608	2.6978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.186**	**1.0588**	**19.929**	**.50811**	**.49724**	**5.1982**	**.50183**	**.96920**	**.96743**	**.01833**	**.98980**	**1.0263**	**5.1604**
Stddev	.178	.0021	.212	.00301	.00028	.0102	.00027	.00027	.00435	.00081	.00516	.0052	.0067
%RSD	.33541	.19935	1.0622	.59244	.05579	.19682	.05466	.02823	.44969	4.4051	.52102	.51030	.13035
#1	53.060	1.0573	19.780	.50598	.49704	5.1910	.50163	.96939	.96435	.01890	.98616	1.0226	5.1652
#2	53.313	1.0603	20.079	.51024	.49744	5.2055	.50202	.96901	.97050	.01776	.99345	1.0300	5.1557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.043**	**1.0154**	**.52758**	**.01330**	**.49795**	**1.0474**	**-.00173**	**.50868**	**.48548**	**.49659**
Stddev	.014	.0009	.00149	.00183	.00142	.0018	.00291	.00264	.00888	.00256
%RSD	.13035	.08691	.28330	13.778	.28535	.17001	168.35	.51857	1.8292	.51620
#1	11.053	1.0148	.52653	.01460	.49694	1.0487	.00033	.50681	.47920	.49478
#2	11.033	1.0160	.52864	.01201	.49895	1.0462	-.00379	.51055	.49176	.49840
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3994.2**	**62847.**	**6081.2**
Stddev	1.8	920.	6.0
%RSD	.04394	1.4631	.09833
#1	3992.9	63498.	6085.4
#2	3995.4	62197.	6077.0

Sample Name: CCB Acquired: 4/9/2012 16:11:47 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00093**	**.00080**	**.00068**	**.00340**	**-.00007**	**.00005**	**.00038**	**.00042**	**.00006**	**.00002**	**.00007**
Stddev	.00015	.00009	.00083	.00003	.00028	.00002	.00060	.00198	.00004	.00011	.00019
%RSD	16.230	11.716	122.33	.87900	384.96	33.156	156.74	470.22	71.368	518.78	253.25
#1	.00083	.00073	.00009	.00342	.00013	.00006	-.00004	.00182	.00008	.00010	.00021
#2	.00104	.00086	.00126	.00338	-.00027	.00004	.00081	-.00098	.00003	-.00005	-.00006
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00182**	**.00214**	**.02618**	**.00049**	**.00063**	**.00002**	**.00110**	**.01217**	**-.00013**	**.00241**	**-.00007**
Stddev	.00033	.00073	.02759	.00008	.00178	.00001	.00055	.00347	.00013	.00008	.00013
%RSD	18.237	33.993	105.39	15.767	283.68	90.176	50.085	28.496	103.72	3.1985	193.56
#1	-.00159	.00163	.04569	.00044	-.00063	.00001	.00071	.01462	-.00003	.00247	.00003
#2	-.00206	.00265	.00667	.00055	.00188	.00003	.00149	.00972	-.00022	.00236	-.00016
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01362**	**-.00002**	W **-.00495**	**-.01118**	**-.02392**	**.00071**	**.00004**	**.00054**	W **.00067**	**.00051**	**.01500**
Stddev	.00045	.00084	.00106	.00061	.00131	.00043	.00003	.00071	.00005	.00043	.00459
%RSD	3.2840	5410.2	21.483	5.4810	5.4810	60.277	65.409	131.31	7.8102	83.824	30.629
#1	.01394	-.00061	-.00420	-.01161	-.02484	.00041	.00007	.00004	.00071	.00081	.01175
#2	.01331	.00058	-.00570	-.01074	-.02299	.00101	.00002	.00104	.00063	.00021	.01825
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			.00486						.00060		
Low Limit			-.00486						-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00021**	**.00136**	**.00020**
Stddev	.00015	.00012	.00089
%RSD	73.510	9.2219	442.25
#1	-.00010	.00144	-.00043
#2	-.00032	.00127	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4015.9**	**63385.**	**5827.8**
Stddev	14.8	61.	2.9
%RSD	.36908	.09565	.04943
#1	4026.4	63342.	5825.7
#2	4005.5	63428.	5829.8

Sample Name: CCVL1351092 Acquired: 4/9/2012 16:14:12 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01145**	**.10583**	**.01341**	**.09493**	**.01119**	**.00104**	**.10636**	**.21442**	**.00520**	**.01034**	**.01042**	**.01446**	**.11174**	**3.3129**
Stddev	.00007	.00160	.00123	.00007	.00036	.00004	.00188	.00861	.00001	.00008	.00024	.00011	.00136	.0072
%RSD	.57198	1.5165	9.1909	.07346	3.2058	3.7725	1.7689	4.0162	.23622	.79696	2.3500	.79352	1.2129	.21705
#1	.01141	.10469	.01428	.09498	.01093	.00101	.10769	.20834	.00520	.01029	.01059	.01437	.11078	3.3180
#2	.01150	.10696	.01254	.09488	.01144	.00107	.10503	.22051	.00519	.01040	.01025	.01454	.11270	3.3078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01068**	**.20523**	**.01052**	**.01983**	**1.0972**	**.04140**	**2.7126**	**.00899**	**.01759**	**.00806**	**.01062**	**.50714**	**1.0853**	**.10249**
Stddev	.00061	.00160	.00001	.00002	.0081	.00008	.0111	.00054	.00291	.00168	.00066	.00260	.0056	.00038
%RSD	5.7489	.77764	.05754	.10547	.74132	.18541	.40982	6.0623	16.556	20.817	6.1899	.51304	.51304	.37557
#1	.01111	.20410	.01052	.01981	1.0915	.04145	2.7047	.00860	.01964	.00924	.01109	.50898	1.0892	.10221
#2	.01024	.20636	.01051	.01984	1.1030	.04135	2.7204	.00937	.01553	.00687	.01016	.50530	1.0813	.10276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01098**	**.01519**	**.01043**	**.01712**	**.05503**	**.01049**	**.02076**	**.01489**
Stddev	.00007	.00115	.00004	.00122	.00845	.00012	.00018	.00044
%RSD	.64455	7.5727	.38190	7.1061	15.352	1.1385	.87337	2.9775
#1	.01093	.01600	.01040	.01798	.06101	.01058	.02089	.01521
#2	.01103	.01437	.01046	.01626	.04906	.01041	.02063	.01458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4048.6**	**64403.**	**5870.8**
Stddev	3.5	61.	34.1
%RSD	.08702	.09412	.58064
#1	4046.1	64446.	5894.9
#2	4051.1	64361.	5846.7

Sample Name: mb 280-114446/1-a Acquired: 4/9/2012 16:16:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00270**	**-.00077**	**.00214**	**.00032**	**.00007**	**-.00060**	**.03381**	**.00008**	**-.00019**
Stddev	.00021	.00006	.00021	.00003	.00007	.00006	.00072	.00266	.00005	.00014
%RSD	21.320	2.0681	27.524	1.4670	21.397	83.451	120.96	7.8665	62.212	73.648
#1	.00112	.00274	-.00062	.00216	.00027	.00011	-.00111	.03569	.00005	-.00009
#2	.00083	.00266	-.00091	.00211	.00036	.00003	-.00009	.03193	.00012	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00083**	**.01316**	**.00353**	**.00154**	**.00677**	**.00019**	**-.00008**	**.23915**	**.00070**
Stddev	.00013	.00021	.00051	.00287	.00125	.00107	.00000	.00020	.00631	.00002
%RSD	65.573	25.038	3.8523	81.254	81.182	15.752	.98350	238.35	2.6403	3.3126
#1	.00029	-.00098	.01280	.00555	.00066	.00601	.00019	-.00022	.24361	.00072
#2	.00011	-.00069	.01352	.00150	.00243	.00752	.00019	.00006	.23468	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00517**	**.00001**	F **.04223**	**-.00021**	**-.00087**	F **.01519**	**.03251**	**.00759**	**.00006**	**.00158**
Stddev	.00119	.00013	.00145	.00062	.00397	.00971	.02077	.00038	.00003	.00042
%RSD	23.039	940.84	3.4307	301.32	456.76	63.891	63.891	4.9683	53.980	26.758
#1	.00601	-.00008	.04120	.00023	-.00368	.02205	.04720	.00785	.00009	.00188
#2	.00433	.00011	.04325	-.00065	.00194	.00833	.01782	.00732	.00004	.00128
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000			.01000				
Low Limit	-.00500		-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**-.00043**	**-.00451**	**.00028**	**.00237**	**-.00050**
Stddev	.00015	.00018	.00758	.00039	.00011	.00009
%RSD	15.691	42.941	168.14	138.75	4.4493	18.730
#1	.00085	-.00030	-.00987	.00055	.00230	-.00057
#2	.00107	-.00056	.00085	.00001	.00244	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.0**	**65382.**	**5990.1**
Stddev	5.3	184.	36.2
%RSD	.12846	.28203	.60471
#1	4120.7	65252.	5964.5
#2	4113.2	65512.	6015.7

Sample Name: lcs 280-114446/2-a Acquired: 4/9/2012 16:19:01 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05556	1.9307	.98269	.98115	2.2225	.05301	2.1375	53.038	.10436	.50242
Stddev	.00017	.0085	.00015	.00267	.0063	.00032	.0032	.061	.00030	.00052
%RSD	.29949	.44052	.01519	.27230	.28249	.59831	.15194	.11519	.29114	.10265
#1	.05568	1.9247	.98258	.97926	2.2180	.05323	2.1352	52.995	.10457	.50205
#2	.05544	1.9367	.98280	.98304	2.2269	.05279	2.1398	53.082	.10414	.50278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20520	.26843	1.1216	F 55.646	1.0938	50.348	.52627	1.0279	F 56.306	.51189
Stddev	.00051	.00112	.0024	.204	.0035	.076	.00069	.0012	.162	.00220
%RSD	.24888	.41823	.21195	.36616	.31876	.15152	.13144	.11742	.28687	.42981
#1	.20556	.26764	1.1233	55.502	1.0913	50.294	.52578	1.0270	56.421	.51033
#2	.20484	.26923	1.1199	55.790	1.0962	50.402	.52676	1.0287	56.192	.51344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				55.000					56.000	
Low Limit				44.500					45.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.039	.48395	.05936	.48707	2.0979	1.4791	F 3.1654	2.0676	F 1.1033	.98216
Stddev	.014	.00231	.00025	.00094	.0137	.0092	.0196	.0011	.0020	.00480
%RSD	.14238	.47789	.42740	.19402	.65293	.61983	.61983	.05198	.17810	.48910
#1	10.029	.48231	.05918	.48774	2.0882	1.4727	3.1515	2.0684	1.1019	.97876
#2	10.049	.48559	.05954	.48640	2.1075	1.4856	3.1792	2.0669	1.1047	.98555
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							14.980		1.1000	
Low Limit							2.1400		.89000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0334	2.0617	F 2.2144	.52519	.49332	.46839
Stddev	.0046	.0010	.0037	.00195	.00152	.00180
%RSD	.44718	.04725	.16709	.37074	.30827	.38439
#1	1.0301	2.0610	2.2170	.52381	.49440	.46712
#2	1.0367	2.0624	2.2118	.52657	.49225	.46966
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3868.7	60755.	5838.1
Stddev	6.9	74.	40.5
%RSD	.17931	.12208	.69399
#1	3863.8	60807.	5866.8
#2	3873.6	60703.	5809.5

Sample Name: 280-27310-a-1-h Acquired: 4/9/2012 16:21:11 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**34.429**	**.01498**	**.00472**	**.45735**	**.00310**	**-.00872**	**50.716**	**.00055**	**.05242**
Stddev	.00007	.092	.00068	.00043	.00166	.00009	.00387	.024	.00001	.00001
%RSD	8.2203	.26699	4.5184	9.0974	.36402	2.8976	44.402	.04729	1.0119	.01902
#1	.00092	34.494	.01450	.00502	.45853	.00304	-.01146	50.733	.00054	.05242
#2	.00082	34.364	.01546	.00442	.45617	.00317	-.00598	50.699	.00055	.05241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03733**	**.13210**	**153.25**	**4.2207**	**.03386**	**23.641**	**1.6162**	**.00282**	**2.5584**	**.04708**
Stddev	.00019	.00014	.50	.0248	.00071	.049	.0050	.00089	.0045	.00059
%RSD	.50244	.10571	.32639	.58801	2.1020	.20634	.31254	31.514	.17426	1.2470
#1	.03720	.13200	153.60	4.2382	.03437	23.607	1.6127	.00219	2.5615	.04666
#2	.03746	.13219	152.89	4.2031	.03336	23.676	1.6198	.00345	2.5552	.04749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6873**	**.01635**	**.73861**	**.00127**	**-.00046**	**2.0412**	**4.3682**	**.00650**	**.19465**	**.00486**
Stddev	.0223	.00159	.00184	.00062	.00498	.0008	.0017	.00008	.00041	.00036
%RSD	.33393	9.7081	.24896	49.189	1077.6	.03972	.03972	1.1875	.20987	7.3795
#1	6.6715	.01523	.73731	.00171	-.00399	2.0406	4.3669	.00656	.19494	.00511
#2	6.7031	.01748	.73991	.00083	.00306	2.0418	4.3694	.00645	.19436	.00461
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.343**	**.00285**	W **-.06911**	**.34876**	**.24169**	**.12500**
Stddev	.140	.00101	.02529	.00129	.00251	.00245
%RSD	1.2340	35.440	36.593	.36876	1.0377	1.9592
#1	11.244	.00214	-.08699	.34785	.23992	.12673
#2	11.442	.00356	-.05123	.34967	.24347	.12327
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4299.4**	**67066.**	**6494.2**
Stddev	6.3	54.	11.4
%RSD	.14636	.08103	.17479
#1	4303.9	67028.	6486.2
#2	4295.0	67104.	6502.2

Sample Name: 280-27310-a-1-hSD@5 Acquired: 4/9/2012 16:23:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00093	7.5788	.00543	.00203	.10073	.00074	.00108	11.098	-.00013	.01206
Stddev	.00089	.0072	.00334	.00066	.00037	.00000	.00098	.022	.00036	.00001
%RSD	96.146	.09555	61.434	32.659	.36727	.05242	90.514	.19581	265.83	.06590
#1	.00030	7.5839	.00307	.00250	.10047	.00074	.00039	11.113	.00012	.01207
#2	.00155	7.5737	.00779	.00156	.10099	.00074	.00178	11.082	-.00039	.01206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00858	.02776	33.589	.95253	.00751	5.3631	.35448	-.00008	.56084	.01078
Stddev	.00007	.00091	.004	.02956	.00036	.0106	.00026	.00005	.00423	.00004
%RSD	.79686	3.2947	.01087	3.1030	4.8264	.19701	.07382	64.205	.75411	.33233
#1	.00863	.02712	33.591	.93163	.00725	5.3556	.35430	-.00012	.55785	.01075
#2	.00853	.02841	33.586	.97343	.00776	5.3705	.35467	-.00005	.56383	.01080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4718	.00423	.16870	-.00220	.00310	.53769	1.1507	.00064	.04297	.00234
Stddev	.0010	.00123	.00244	.00165	.00124	.02708	.0580	.00084	.00010	.00158
%RSD	.07112	29.162	1.4479	75.142	40.068	5.0370	5.0370	131.61	.23572	67.283
#1	1.4710	.00511	.16697	-.00336	.00398	.55684	1.1916	.00004	.04290	.00346
#2	1.4725	.00336	.17043	-.00103	.00222	.51854	1.1097	.00123	.04304	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4787	.00158	-.02272	.07514	.05544	.02777
Stddev	.0036	.00120	.01558	.00058	.00026	.00030
%RSD	.14553	75.721	68.566	.77643	.46705	1.0771
#1	2.4761	.00073	-.03373	.07473	.05562	.02756
#2	2.4812	.00242	-.01170	.07555	.05526	.02798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4167.0	65062.	6037.3
Stddev	13.0	39.	30.8
%RSD	.31101	.06039	.51069
#1	4176.1	65034.	6059.1
#2	4157.8	65090.	6015.5

Sample Name: 280-27310-a-1-i du Acquired: 4/9/2012 16:25:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**47.125**	**.00910**	**.00291**	**.70810**	**.00447**	**-.01039**	**60.314**	**.00118**	**.07044**
Stddev	.00010	.004	.00214	.00042	.00151	.00001	.00039	.016	.00003	.00064
%RSD	10.290	.00923	23.559	14.489	.21382	.27561	3.7320	.02701	2.8379	.91023
#1	.00107	47.122	.01062	.00321	.70703	.00448	-.01067	60.303	.00120	.07089
#2	.00093	47.128	.00759	.00261	.70917	.00447	-.01012	60.326	.00116	.06998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03471**	**.15049**	**209.91**	**4.6138**	**.04090**	**40.133**	**2.6513**	**.00039**	**3.6901**	**.05518**
Stddev	.00032	.00078	.91	.0180	.00012	.251	.0184	.00009	.0101	.00008
%RSD	.91362	.51612	.43252	.38935	.29623	.62563	.69351	24.067	.27357	.14979
#1	.03493	.14994	209.27	4.6011	.04081	39.955	2.6383	.00046	3.6972	.05512
#2	.03448	.15104	210.55	4.6265	.04099	40.310	2.6643	.00033	3.6829	.05524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.344**	**.02240**	**.52479**	**-.00160**	W **-.00573**	**1.6017**	**3.4276**	**.00579**	**.28433**	**.00372**
Stddev	.060	.00051	.00370	.00022	.00323	.0118	.0251	.00110	.00023	.00040
%RSD	.58295	2.2636	.70428	13.471	56.353	.73359	.73359	18.925	.08153	10.657
#1	10.387	.02276	.52741	-.00145	-.00802	1.5934	3.4099	.00502	.28416	.00344
#2	10.301	.02204	.52218	-.00176	-.00345	1.6100	3.4454	.00657	.28449	.00400
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.845**	**.00137**	W **-.05767**	**.46376**	**.35147**	**.19557**
Stddev	.038	.00026	.01400	.00170	.00003	.00124
%RSD	.25590	18.672	24.280	.36645	.00940	.63646
#1	14.872	.00119	-.06757	.46255	.35145	.19645
#2	14.818	.00156	-.04777	.46496	.35149	.19469
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4434.7**	**69189.**	**6734.2**
Stddev	16.9	229.	19.8
%RSD	.38042	.33117	.29419
#1	4422.8	69351.	6748.2
#2	4446.6	69027.	6720.2

Sample Name: 280-27310-a-1-j ms Acquired: 4/9/2012 16:28:21 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05070	55.733	.88864	.84471	2.4724	.05077	F 1.8872	108.40	.09354	.50982
Stddev	.00033	.056	.00419	.00299	.0002	.00007	.0022	.12	.00015	.00103
%RSD	.65814	.10092	.47096	.35356	.00653	.13534	.11599	.11220	.15709	.20236
#1	.05093	55.772	.88568	.84260	2.4725	.05082	1.8856	108.49	.09343	.50909
#2	.05046	55.693	.89160	.84682	2.4723	.05072	1.8887	108.31	.09364	.51055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24338	.40024	229.67	57.408	1.0231	84.144	3.0970	.89124	55.480	.50776
Stddev	.00101	.00207	.68	.026	.0009	.062	.0354	.00340	.140	.00093
%RSD	.41660	.51809	.29825	.04570	.09084	.07323	1.1440	.38146	.25316	.18397
#1	.24267	.40171	230.15	57.427	1.0237	84.100	3.1220	.88884	55.580	.50710
#2	.24410	.39878	229.18	57.390	1.0224	84.187	3.0719	.89364	55.381	.50842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 18.650	.43582	.70690	.33156	1.8375	5.5966	11.977	1.7392	1.2572	.88801
Stddev	.065	.00076	.00033	.00187	.0003	.0311	.067	.0051	.0018	.00020
%RSD	.34734	.17411	.04690	.56263	.01394	.55530	.55530	.29337	.14312	.02199
#1	18.604	.43528	.70666	.33024	1.8377	5.6186	12.024	1.7356	1.2585	.88815
#2	18.696	.43636	.70713	.33287	1.8373	5.5746	11.930	1.7429	1.2560	.88787
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 16.051	1.7478	1.8797	1.0759	.78556	.58633
Stddev	.056	.0066	.0031	.0025	.00430	.00103
%RSD	.34816	.37892	.16632	.22951	.54800	.17646
#1	16.011	1.7432	1.8775	1.0777	.78252	.58560
#2	16.090	1.7525	1.8820	1.0742	.78861	.58706
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4250.2	66201.	6587.9
Stddev	7.0	16.	2.8
%RSD	.16585	.02442	.04231
#1	4245.2	66190.	6586.0
#2	4255.1	66213.	6589.9

Sample Name: 280-27310-a-2-h Acquired: 4/9/2012 16:30:41 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**84.808**	**.02705**	**.01654**	**.84616**	**.00476**	**-.00628**	**38.735**	**.00086**	**.07455**
Stddev	.00011	.788	.00297	.00043	.00778	.00007	.00117	.445	.00016	.00040
%RSD	9.4048	.92911	10.979	2.6294	.91915	1.5343	18.629	1.1491	19.025	.54326
#1	.00129	84.251	.02915	.01685	.84066	.00482	-.00546	38.420	.00098	.07484
#2	.00113	85.365	.02495	.01623	.85166	.00471	-.00711	39.050	.00075	.07426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10533**	**.13572**	**216.41**	**17.817**	**.06989**	**33.504**	**3.0977**	**.00262**	**2.1447**	**.09336**
Stddev	.00037	.00005	1.71	.117	.00116	.054	.0152	.00021	.0220	.00001
%RSD	.35019	.03748	.79032	.65945	1.6601	.16235	.49125	8.0809	1.0246	.01384
#1	.10559	.13568	215.20	17.734	.06907	33.465	3.1085	.00247	2.1291	.09335
#2	.10507	.13575	217.62	17.900	.07071	33.542	3.0870	.00277	2.1602	.09337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.9817**	**.04015**	**.42747**	**-.00056**	W **-.00635**	**4.3793**	**9.3717**	**.00877**	**.25387**	**.01883**
Stddev	.0648	.00115	.00212	.00231	.00283	.0130	.0278	.00101	.00215	.00327
%RSD	.81234	2.8642	.49558	414.98	44.529	.29650	.29650	11.499	.84703	17.391
#1	8.0275	.04097	.42597	-.00219	-.00834	4.3701	9.3521	.00948	.25235	.02114
#2	7.9358	.03934	.42896	.00108	-.00435	4.3885	9.3914	.00806	.25539	.01651
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.053**	**.00020**	W **-.06410**	**.49441**	**.37767**	**.17794**
Stddev	.161	.00090	.02535	.00059	.00223	.00139
%RSD	1.4576	458.21	39.537	.11975	.59015	.78376
#1	11.167	.00083	-.04618	.49483	.37609	.17696
#2	10.939	-.00044	-.08203	.49399	.37924	.17893
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4314.5**	**66836.**	**6596.0**
Stddev	17.7	83.	49.8
%RSD	.40934	.12437	.75536
#1	4302.0	66777.	6631.2
#2	4327.0	66895.	6560.8

Sample Name: 280-27310-a-3-h Acquired: 4/9/2012 16:33:05 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**101.71**	**.02938**	**.02972**	**.90033**	**.00511**	**-.00696**	**38.579**	**.00099**	**.07093**
Stddev	.00040	.62	.00583	.00045	.00645	.00010	.00022	.192	.00006	.00048
%RSD	37.746	.60961	19.849	1.5008	.71614	1.9505	3.1132	.49665	5.9874	.67300
#1	.00134	101.27	.03350	.03003	.89577	.00518	-.00680	38.443	.00095	.07059
#2	.00077	102.15	.02526	.02940	.90489	.00504	-.00711	38.714	.00103	.07126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13671**	**.14600**	**210.39**	**23.722**	**.07971**	**45.294**	**3.4452**	**.00094**	**2.7385**	**.13882**
Stddev	.00010	.00295	1.85	.102	.00017	1.189	.0908	.00011	.0136	.00014
%RSD	.07550	2.0204	.87945	.42869	.21317	2.6254	2.6348	11.697	.49792	.10290
#1	.13664	.14808	209.09	23.651	.07983	46.135	3.5093	.00101	2.7289	.13892
#2	.13678	.14391	211.70	23.794	.07959	44.453	3.3810	.00086	2.7482	.13872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.2762**	**.04485**	**.39309**	**-.00127**	W **-.00573**	**5.3615**	**11.474**	**.00949**	**.28832**	**.02509**
Stddev	.0234	.00034	.00212	.00016	.00385	.0849	.182	.00143	.00252	.00775
%RSD	.37239	.76052	.53946	12.678	67.214	1.5827	1.5827	15.103	.87490	30.886
#1	6.2928	.04509	.39159	-.00138	-.00845	5.3015	11.345	.01050	.28654	.03057
#2	6.2597	.04461	.39459	-.00115	-.00301	5.4215	11.602	.00847	.29011	.01961
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.144**	**.00046**	W **-.09650**	**.42519**	**.42351**	**.17248**
Stddev	.286	.00167	.00918	.01069	.01430	.00113
%RSD	2.5670	364.27	9.5116	2.5148	3.3759	.65568
#1	11.347	.00164	-.09001	.43275	.43361	.17328
#2	10.942	-.00072	-.10299	.41763	.41340	.17168
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4249.1**	**64853.**	**6442.4**
Stddev	7.4	1619.	18.9
%RSD	.17452	2.4956	.29382
#1	4243.9	63708.	6455.8
#2	4254.4	65997.	6429.0

Sample Name: 280-27310-a-4-f Acquired: 4/9/2012 16:35:26 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**46.506**	**.01844**	**.00306**	**.75237**	**.00565**	**-.01708**	**67.486**	**.00056**	**.09314**
Stddev	.00022	.274	.00019	.00003	.00392	.00048	.00204	.382	.00014	.00310
%RSD	16.212	.58823	1.0055	.98296	.52137	8.4207	11.935	.56591	24.770	3.3316
#1	.00118	46.313	.01831	.00304	.74959	.00532	-.01852	67.216	.00066	.09534
#2	.00148	46.699	.01857	.00308	.75514	.00599	-.01564	67.756	.00046	.09095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06641**	**.17844**	**293.84**	**7.3217**	**.03718**	**40.658**	**3.3730**	**.00166**	**5.3982**	**.08364**
Stddev	.00044	.00402	1.19	.0213	.00180	.935	.0704	.00029	.0313	.00027
%RSD	.65879	2.2547	.40612	.29086	4.8466	2.2985	2.0880	17.226	.58026	.32689
#1	.06672	.17560	293.00	7.3066	.03591	39.997	3.3232	.00146	5.3760	.08383
#2	.06610	.18129	294.69	7.3368	.03846	41.319	3.4228	.00186	5.4203	.08344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.838**	**.02622**	**3.7162**	**-.00485**	W **-.00963**	**1.7846**	**3.8191**	**.00596**	**.29986**	**-.00107**
Stddev	.044	.00096	.0213	.00120	.00329	.0223	.0478	.00334	.00193	.00313
%RSD	.34531	3.6630	.57393	24.657	34.201	1.2516	1.2516	55.974	.64394	293.35
#1	12.869	.02554	3.7313	-.00570	-.01195	1.8004	3.8529	.00360	.29849	-.00328
#2	12.807	.02690	3.7011	-.00401	-.00730	1.7688	3.7853	.00832	.30122	.00115
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **22.654**	**.00272**	W **-.05864**	**.71548**	**.46927**	**.26464**
Stddev	1.127	.00011	.00718	.01483	.01401	.00052
%RSD	4.9729	4.0194	12.243	2.0723	2.9854	.19595
#1	21.857	.00279	-.05356	.70499	.45936	.26501
#2	23.450	.00264	-.06371	.72596	.47917	.26427
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4556.7**	**70981.**	**7047.6**
Stddev	4.5	969.	12.8
%RSD	.09846	1.3654	.18214
#1	4559.9	71666.	7038.6
#2	4553.6	70296.	7056.7

Sample Name: 280-27310-a-5-j Acquired: 4/9/2012 16:37:59 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**53.531**	**.02101**	**.00217**	**.57633**	**.00495**	**-.01202**	**67.117**	**.00056**	**.09408**
Stddev	.00020	.251	.00020	.00008	.00252	.00016	.00084	.360	.00011	.00154
%RSD	14.953	.46890	.94518	3.5735	.43790	3.2728	7.0001	.53612	18.668	1.6338
#1	.00118	53.708	.02087	.00212	.57812	.00483	-.01261	67.371	.00049	.09517
#2	.00145	53.353	.02115	.00223	.57455	.00506	-.01142	66.862	.00064	.09300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05175**	**.23199**	**265.59**	**6.2451**	**.05179**	**35.734**	**2.9786**	**.00127**	**2.4416**	**.07036**
Stddev	.00074	.00094	2.26	.1029	.00160	.029	.0083	.00017	.0187	.00031
%RSD	1.4296	.40601	.84912	1.6470	3.0931	.08209	.27725	13.262	.76618	.44115
#1	.05227	.23132	267.18	6.3178	.05293	35.713	2.9844	.00115	2.4548	.07058
#2	.05123	.23266	264.00	6.1724	.05066	35.755	2.9727	.00139	2.4283	.07014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.288**	**.02366**	**.97812**	**-.00269**	W **-.00775**	**2.0933**	**4.4797**	**.00741**	**.20983**	**-.00165**
Stddev	.033	.00070	.00207	.00166	.00120	.0402	.0860	.00150	.00100	.00042
%RSD	.27028	2.9427	.21116	61.812	15.452	1.9202	1.9202	20.285	.47640	25.656
#1	12.311	.02416	.97958	-.00151	-.00859	2.0649	4.4188	.00635	.21054	-.00194
#2	12.264	.02317	.97666	-.00386	-.00690	2.1217	4.5405	.00847	.20912	-.00135
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **17.922**	**.00136**	W **-.07672**	**.65542**	**.39469**	**.21624**
Stddev	.243	.00045	.02358	.00016	.00088	.00079
%RSD	1.3544	33.280	30.737	.02446	.22305	.36454
#1	17.751	.00167	-.09339	.65553	.39407	.21680
#2	18.094	.00104	-.06005	.65531	.39532	.21568
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4505.8**	**70434.**	**6962.8**
Stddev	10.4	59.	4.2
%RSD	.22971	.08381	.06023
#1	4498.5	70476.	6959.9
#2	4513.1	70393.	6965.8

Sample Name: CCVH-1326164 Acquired: 4/9/2012 16:40:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**53.016**	**-.00239**	**.00266**	**.00032**	**.00011**	**.98909**	**-.00499**	**-.00013**	**.00020**	**.00112**	**.00377**
Stddev	.00004	.152	.00215	.00034	.00011	.00002	.00543	.00367	.00004	.00020	.00002	.00022
%RSD	1.1086	.28748	89.700	12.815	35.683	13.874	.54864	73.602	30.869	102.36	2.0057	5.8069
#1	.00358	52.908	-.00391	.00290	.00040	.00010	.98526	-.00239	-.00011	.00034	.00110	.00362
#2	.00364	53.123	-.00088	.00242	.00024	.00012	.99293	-.00758	-.00016	.00006	.00113	.00393
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.590**	**.06715**	**-.00136**	**.00311**	**-.00019**	**-.00078**	**263.77**	**.00197**	**.00537**	**-.00447**	**4.8880**	**-.00399**
Stddev	.215	.02518	.00107	.00045	.00000	.00009	1.15	.00012	.00105	.00027	.0055	.00248
%RSD	.40206	37.495	78.666	14.606	.80021	11.356	.43441	6.1982	19.500	6.0530	.11277	62.062
#1	53.438	.04935	-.00060	.00279	-.00019	-.00071	262.96	.00188	.00611	-.00466	4.8841	-.00574
#2	53.742	.08496	-.00211	.00343	-.00019	-.00084	264.58	.00206	.00463	-.00428	4.8919	-.00224
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00469**	**.01874**	**.04010**	**.00210**	**.00039**	W **4.6382**	**.00958**	**.00052**	**10.309**	**.00240**	**.00130**	**-.18672**
Stddev	.00202	.00531	.01137	.00155	.00003	.0471	.00029	.00072	.051	.00006	.00060	.00449
%RSD	43.111	28.356	28.356	74.159	8.0220	1.0165	3.0086	136.83	.49485	2.3299	46.294	2.4071
#1	-.00326	.01498	.03206	.00319	.00041	4.6715	.00978	.00103	10.345	.00244	.00087	-.18990
#2	-.00612	.02250	.04814	.00100	.00037	4.6049	.00938	.00002	10.273	.00236	.00172	-.18354
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3957.0**	**61777.**	**5986.4**
Stddev	16.3	224.	42.5
%RSD	.41296	.36271	.70919
#1	3968.6	61618.	6016.5
#2	3945.5	61935.	5956.4

Sample Name: CCV-1343805 Acquired: 4/9/2012 16:42:55 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51857**	**.50203**	**.94226**	**.48736**	**.54108**	**.50722**	**.00073**	**5.1868**	**.49983**	**.49733**	**.49808**	**.51857**	**2.7239**	**53.652**
Stddev	.00114	.00041	.00356	.00021	.00166	.00146	.00213	.0210	.00054	.00039	.00127	.00174	.0035	.047
%RSD	.21979	.08219	.37765	.04234	.30596	.28768	293.41	.40556	.10898	.07832	.25515	.33595	.13006	.08794
#1	.51776	.50232	.93975	.48722	.53991	.50618	.00223	5.1719	.50022	.49706	.49718	.51733	2.7214	53.618
#2	.51937	.50173	.94478	.48751	.54226	.50825	-.00078	5.2017	.49945	.49761	.49897	.51980	2.7264	53.685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0467**	**20.125**	**.51209**	**.49425**	**5.1143**	**.49826**	**.95569**	**.94314**	**.01062**	**.98162**	**1.0355**	**5.1161**	**10.948**	**1.0141**
Stddev	.0044	.143	.00220	.00140	.0150	.00033	.00136	.00280	.00216	.00368	.0013	.0655	.140	.0012
%RSD	.42272	.71025	.42963	.28261	.29258	.06604	.14259	.29659	20.371	.37487	.12293	1.2797	1.2797	.11824
#1	1.0436	20.024	.51053	.49524	5.1037	.49849	.95473	.94116	.01215	.97902	1.0364	5.0698	10.849	1.0150
#2	1.0499	20.226	.51364	.49326	5.1249	.49803	.95665	.94512	.00909	.98422	1.0346	5.1624	11.047	1.0133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52975**	**.01318**	**.49665**	**1.0363**	**.00312**	**.50735**	**.48582**	**.48643**
Stddev	.00192	.00102	.00312	.0009	.03481	.00307	.00613	.00479
%RSD	.36336	7.7291	.62850	.08879	1114.5	.60491	1.2613	.98535
#1	.52839	.01246	.49444	1.0370	.02774	.50518	.48149	.48304
#2	.53111	.01390	.49886	1.0357	-.02149	.50952	.49015	.48982
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.5**	**63269.**	**5966.6**
Stddev	5.8	145.	15.8
%RSD	.14266	.22972	.26555
#1	4068.4	63371.	5955.4
#2	4076.6	63166.	5977.8

Sample Name: CCB Acquired: 4/9/2012 16:45:08 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00152**	**.00049**	W **.00464**	**.00050**	**.00008**	**.00008**	**-.00202**	**-.00279**	**.00000**	**.00000**	**-.00009**
Stddev	.00007	.00025	.00280	.00008	.00015	.00002	.00129	.00172	.00004	.0002	.00023
%RSD	4.8610	51.764	60.507	15.886	188.06	19.959	63.553	61.685	8615.9	6248.6	258.75
#1	.00147	.00031	.00265	.00056	.00019	.00007	-.00111	-.00400	.00003	-.00012	-.00025
#2	.00157	.00067	.00662	.00044	-.00003	.00009	-.00293	-.00157	-.00003	.00012	.00007
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093		.00441								
Low Limit	-.00093		-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00182**	**.00248**	**.00049**	**-.00096**	**-.00080**	**.00006**	**.00078**	**-.00196**	**.00038**	**.00039**	**.00049**
Stddev	.00010	.00222	.02416	.00016	.00106	.00002	.00077	.00666	.00048	.00016	.00023
%RSD	5.4452	89.296	4941.9	16.658	133.43	33.132	98.606	339.09	124.33	40.004	46.546
#1	-.00175	.00091	.01757	-.00085	-.00155	.00004	.00024	-.00667	.00005	.00028	.00065
#2	-.00189	.00405	-.01660	-.00107	-.00004	.00007	.00132	.00274	.00072	.00050	.00033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00341**	**.00121**	**.00061**	**-.00721**	**-.01542**	**.00072**	**.00000**	**.00061**	W **.00079**	**.00063**	**-.00940**
Stddev	.00152	.00045	.00312	.01153	.02467	.00051	.00005	.00110	.00020	.00119	.00424
%RSD	44.673	37.468	515.20	159.95	159.95	71.269	20172.	180.98	25.990	190.12	45.051
#1	.00449	.00153	-.00160	-.01536	-.03286	.00109	-.00004	.00139	.00093	.00147	-.00641
#2	.00233	.00089	.00282	.00094	.00202	.00036	.00004	-.00017	.00064	-.00022	-.01240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit									.00060		
Low Limit									-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00002**	**.00150**	**.00215**
Stddev	.00027	.00010	.00042
%RSD	1563.9	6.9917	19.701
#1	-.00021	.00143	.00245
#2	.00017	.00157	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4082.1**	**64596.**	**5869.1**
Stddev	2.6	29.	16.8
%RSD	.06442	.04416	.28580
#1	4084.0	64617.	5857.2
#2	4080.3	64576.	5880.9

Sample Name: CCVL1351092 Acquired: 4/9/2012 16:47:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01155**	**.10880**	**.01409**	**.09247**	**.01122**	**.00113**	**.10614**	**.21125**	**.00495**	**.01024**	**.01026**	**.01460**	**.10953**
Stddev	.00047	.00092	.00246	.00069	.00006	.00003	.00090	.00137	.00007	.00014	.00001	.00029	.00071
%RSD	4.0961	.84678	17.486	.74140	.55959	2.6832	.84670	.64911	1.4824	1.3961	.13707	1.9924	.64896
#1	.01188	.10815	.01235	.09296	.01127	.00115	.10550	.21028	.00489	.01034	.01025	.01439	.11003
#2	.01121	.10945	.01584	.09199	.01118	.00111	.10677	.21222	.00500	.01014	.01027	.01480	.10903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3379**	F **.01340**	**.20525**	**.01068**	**.01985**	**1.0935**	**.04127**	**2.6978**	**.01027**	**.00377**	**.00725**	**.01380**	**.50879**
Stddev	.0217	.00252	.00014	.00010	.00010	.0045	.00023	.0129	.00119	.00323	.00021	.00247	.00431
%RSD	.65036	18.790	.06797	.97415	.50284	.40699	.56575	.47658	11.593	85.901	2.9562	17.920	.84767
#1	3.3225	.01162	.20535	.01075	.01992	1.0903	.04143	2.7069	.01111	.00605	.00709	.01205	.50574
#2	3.3532	.01518	.20516	.01061	.01977	1.0966	.04110	2.6887	.00943	.00148	.00740	.01554	.51184
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0888**	**.10216**	**.01100**	**.01571**	**.01025**	**.01515**	**.05251**	**.01012**	**.02183**	**.01407**
Stddev	.0092	.00002	.00003	.00121	.00002	.00058	.00440	.00013	.00006	.00080
%RSD	.84767	.01969	.25632	7.7344	.19836	3.8065	8.3728	1.3010	.27462	5.7134
#1	1.0823	.10217	.01098	.01657	.01024	.01556	.04940	.01021	.02178	.01464
#2	1.0953	.10214	.01102	.01485	.01027	.01474	.05562	.01003	.02187	.01350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.2**	**64656.**	**5979.5**
Stddev	20.2	301.	13.6
%RSD	.49104	.46534	.22748
#1	4101.9	64869.	5989.1
#2	4130.5	64444.	5969.9

Sample Name: mb 280-114445/1-a Acquired: 4/9/2012 16:49:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00186**	**.00104**	**.00071**	**.00006**	**.00008**	**-.00215**	**.00282**	**-.00001**	**.00002**
Stddev	.00039	.00032	.00149	.00023	.00004	.00001	.00135	.00115	.00001	.00017
%RSD	27.029	17.238	143.54	32.378	69.646	15.109	62.883	40.782	138.42	758.04
#1	.00173	.00164	-.00002	.00087	.00003	.00007	-.00120	.00201	-.00002	.00014
#2	.00117	.00209	.00209	.00054	.00009	.00009	-.00311	.00364	.00000	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00097**	**-.00196**	**.00608**	**.00347**	**.00033**	**.00139**	**.00002**	**-.00008**	**-.00466**	**-.00002**
Stddev	.00027	.00007	.00011	.02214	.00194	.00026	.00002	.00010	.00482	.00022
%RSD	27.697	3.7175	1.7518	637.78	586.94	18.999	99.952	121.13	103.54	971.62
#1	.00116	-.00201	.00600	.01913	-.00104	.00158	.00004	-.00001	-.00806	-.00018
#2	.00078	-.00191	.00615	-.01218	.00171	.00120	.00001	-.00015	-.00125	.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00064									
Low Limit	-.00500									

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00058**	F **.01192**	**-.00061**	**-.00219**	**.00104**	**.00223**	**.00003**	**.00010**	W **.00119**
Stddev	.00069	.00116	.00174	.00001	.00250	.00312	.00668	.00049	.00000	.00101
%RSD	178.79	199.39	14.578	1.0522	113.93	298.87	298.87	1702.1	1.9785	84.472
#1	.00010	.00140	.01315	-.00062	-.00043	.00325	.00696	.00037	.00010	.00048
#2	-.00087	-.00024	.01069	-.00061	-.00396	-.00116	-.00249	-.00032	.00010	.00190
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00054**	**-.00519**	**.00008**	**.00209**	**.00086**
Stddev	.00005	.00007	.01172	.00016	.00043	.00065
%RSD	22.645	12.626	225.78	188.51	20.336	75.690
#1	.00020	-.00058	-.01348	-.00003	.00179	.00040
#2	.00028	-.00049	.00310	.00019	.00240	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.8**	**64749.**	**5997.3**
Stddev	.8	464.	24.8
%RSD	.01961	.71609	.41293
#1	4116.2	65076.	6014.8
#2	4117.4	64421.	5979.7

Sample Name: lcs 280-114445/2-a Acquired: 4/9/2012 16:52:23 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05415**	**1.8775**	**.93128**	**.95395**	**2.1816**	**.05173**	**2.0359**	**51.683**	**.10011**	**.48676**
Stddev	.00031	.0041	.00486	.00147	.0045	.00004	.0015	.024	.00040	.00077
%RSD	.56688	.22021	.52160	.15357	.20729	.07513	.07634	.04631	.40444	.15796
#1	.05393	1.8805	.93471	.95499	2.1784	.05171	2.0348	51.666	.10039	.48730
#2	.05436	1.8746	.92784	.95292	2.1848	.05176	2.0370	51.700	.09982	.48621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19905**	**.25902**	**1.0955**	**54.677**	**1.0610**	**49.745**	**.52033**	**1.0023**	**55.006**	**.49413**
Stddev	.00051	.00043	.0044	.191	.0007	.031	.00050	.0023	.363	.00117
%RSD	.25830	.16766	.40496	.34859	.06665	.06208	.09561	.22556	.66073	.23673
#1	.19942	.25871	1.0924	54.543	1.0605	49.723	.52068	1.0039	54.749	.49495
#2	.19869	.25932	1.0987	54.812	1.0615	49.767	.51998	1.0007	55.263	.49330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5704**	**.46380**	**.02019**	**.46428**	**2.0286**	**10.508**	F **22.487**	**2.0188**	**1.0824**	**.96401**
Stddev	.0022	.00371	.00503	.00075	.0014	.009	.020	.0005	.0026	.00375
%RSD	.02243	.80046	24.913	.16144	.07099	.08735	.08735	.02484	.23865	.38863
#1	9.5719	.46642	.01663	.46481	2.0296	10.515	22.501	2.0191	1.0806	.96136
#2	9.5689	.46117	.02375	.46375	2.0276	10.502	22.474	2.0184	1.0842	.96666
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0134**	**2.0043**	**2.1748**	**.51826**	**.48955**	**.46026**
Stddev	.0003	.0070	.0092	.00031	.00060	.00254
%RSD	.02848	.35193	.42277	.05950	.12316	.55129
#1	1.0132	2.0093	2.1683	.51848	.48912	.46206
#2	1.0136	1.9993	2.1813	.51804	.48998	.45847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3927.2**	**60631.**	**5782.9**
Stddev	2.2	53.	13.3
%RSD	.05696	.08787	.22925
#1	3925.6	60593.	5792.3
#2	3928.8	60668.	5773.5

Sample Name: lcsd 280-114445/3-a Acquired: 4/9/2012 16:54:33 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05386**	**1.8580**	**.92451**	**.94484**	**2.1906**	**.05186**	**2.0214**	**51.876**	**.09945**	**.48190**
Stddev	.00053	.0210	.01236	.01552	.0020	.00018	.0257	.070	.00147	.00538
%RSD	.97652	1.1298	1.3371	1.6426	.08941	.35205	1.2702	.13524	1.4824	1.1156
#1	.05349	1.8432	.91577	.93386	2.1920	.05199	2.0033	51.926	.09841	.47809
#2	.05423	1.8728	.93325	.95581	2.1892	.05173	2.0396	51.827	.10049	.48570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19777**	**.25910**	**1.0968**	**54.885**	**1.0665**	**49.223**	**.51643**	**.99653**	**54.996**	**.48957**
Stddev	.00259	.00369	.0027	.053	.0012	.339	.00347	.01236	.005	.00604
%RSD	1.3110	1.4249	.24382	.09728	.11025	.68808	.67215	1.2408	.00949	1.2332
#1	.19594	.25649	1.0986	54.847	1.0673	48.983	.51398	.98779	55.000	.48531
#2	.19960	.26171	1.0949	54.922	1.0656	49.462	.51888	1.0053	54.993	.49384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4519**	**.45625**	**.01940**	**.46048**	**2.0160**	**10.583**	F **22.648**	**1.9958**	**1.0844**	**.95345**
Stddev	.1002	.00703	.00076	.00920	.0348	.011	.024	.0270	.0031	.00073
%RSD	1.0603	1.5402	3.9261	1.9977	1.7247	.10579	.10579	1.3511	.28172	.07605
#1	9.3810	.45129	.01887	.45397	1.9914	10.575	22.631	1.9768	1.0865	.95293
#2	9.5227	.46122	.01994	.46698	2.0406	10.591	22.665	2.0149	1.0822	.95396
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0100**	**1.9765**	**2.1708**	**.51515**	**.48069**	**.46140**
Stddev	.0071	.0223	.0189	.00371	.00042	.00377
%RSD	.69874	1.1292	.87081	.71928	.08710	.81789
#1	1.0050	1.9607	2.1575	.51253	.48099	.45873
#2	1.0150	1.9923	2.1842	.51777	.48040	.46407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3943.2**	**60500.**	**5730.3**
Stddev	30.9	256.	47.0
%RSD	.78462	.42329	.82067
#1	3965.1	60681.	5763.6
#2	3921.3	60319.	5697.1

Sample Name: 280-27352-a-1-d Acquired: 4/9/2012 16:56:43 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00146**	**59.780**	**.00739**	W **85.636**	**.00562**	**.00007**	**-.00359**	**5.6699**	**-.00014**	**-.00112**
Stddev	.00018	.066	.00683	.127	.00036	.00003	.00078	.0037	.00008	.00011
%RSD	12.537	.11020	92.396	.14810	6.4183	50.379	21.631	.06527	56.675	9.8854
#1	.00159	59.733	.00256	85.547	.00537	.00004	-.00304	5.6673	-.00008	-.00104
#2	.00133	59.826	.01221	85.726	.00588	.00009	-.00414	5.6725	-.00019	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02054**	**.14858**	**.43169**	**29.137**	**.04296**	**.14028**	**.00232**	**.04454**	F **13121.**	**.29304**
Stddev	.00017	.00005	.00124	2.535	.00188	.00440	.00004	.00094	36.	.00038
%RSD	.83208	.03575	.28820	8.7007	4.3660	3.1332	1.5129	2.1191	.27378	.12984
#1	.02066	.14854	.43081	27.344	.04163	.13718	.00230	.04388	13096.	.29277
#2	.02042	.14862	.43257	30.929	.04428	.14339	.00235	.04521	13147.	.29330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10000.	
Low Limit									9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4073**	**-.00138**	F **3173.5**	**.03096**	**.00384**	**.19612**	**.41970**	**.00255**	**.15713**	**.00144**
Stddev	.0067	.00066	7.5	.00117	.00168	.00052	.00111	.00125	.00060	.00103
%RSD	.47657	48.053	.23478	3.7739	43.677	.26357	.26357	48.856	.37995	71.372
#1	1.4025	-.00091	3178.8	.03178	.00266	.19575	.41891	.00167	.15670	.00071
#2	1.4120	-.00184	3168.2	.03013	.00503	.19648	.42048	.00343	.15755	.00217
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00687**	**-.00112**	**.04545**	**.01594**	**.00560**	**.06168**
Stddev	.00022	.00053	.00760	.00034	.00048	.00115
%RSD	3.1761	47.531	16.721	2.1617	8.6450	1.8605
#1	.00672	-.00150	.04008	.01570	.00594	.06087
#2	.00703	-.00074	.05083	.01619	.00526	.06249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2756.5**	**41839.**	**5401.0**
Stddev	13.1	250.	2.7
%RSD	.47410	.59642	.04949
#1	2747.2	42016.	5402.9
#2	2765.7	41663.	5399.1

Sample Name: 280-27345-a-1-b Acquired: 4/9/2012 16:59:07 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00316**	**.93692**	**.00295**	**.13591**	**.10186**	**.00015**	**.00032**	**21.170**	**.00180**	**-.00034**
Stddev	.00047	.00313	.00306	.01530	.00135	.00004	.00105	.331	.00003	.00019
%RSD	14.949	.33417	103.62	11.257	1.3210	25.347	331.79	1.5651	1.4632	56.391
#1	.00283	.93914	.00079	.14673	.10282	.00012	.00106	21.404	.00182	-.00021
#2	.00350	.93471	.00512	.12509	.10091	.00017	-.00043	20.935	.00178	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03309**	**1.2933**	**1.5447**	**6.6236**	**.01016**	**6.4366**	**.01993**	**.00542**	W **938.25**	**.01952**
Stddev	.00040	.0125	.0252	.1963	.00026	.0829	.00030	.00007	16.36	.00034
%RSD	1.2126	.96441	1.6327	2.9643	2.5452	1.2873	1.4810	1.2436	1.7435	1.7384
#1	.03337	1.3021	1.5626	6.7624	.00998	6.4952	.02014	.00537	949.81	.01928
#2	.03281	1.2845	1.5269	6.4847	.01035	6.3780	.01972	.00547	926.68	.01976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8997**	**.01215**	**20.105**	**.00822**	**-.00487**	**3.2408**	**6.9352**	**.06125**	**.19800**	**-.00015**
Stddev	.0185	.00001	.015	.00020	.00363	.0508	.1087	.00120	.00310	.00043
%RSD	.47391	.07136	.07622	2.3791	74.642	1.5667	1.5667	1.9551	1.5654	283.40
#1	3.9127	.01214	20.116	.00836	-.00744	3.2767	7.0121	.06040	.20019	-.00046
#2	3.8866	.01215	20.094	.00809	-.00230	3.2049	6.8584	.06210	.19581	.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02145**	**.00085**	**-.01201**	**.00254**	**.14243**	**.00186**
Stddev	.00010	.00025	.00016	.00031	.00184	.00208
%RSD	.47068	29.643	1.2946	12.029	1.2918	111.88
#1	.02138	.00103	-.01212	.00232	.14373	.00039
#2	.02152	.00067	-.01190	.00275	.14113	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3697.0**	**57084.**	**5850.6**
Stddev	1.8	373.	79.8
%RSD	.04993	.65335	1.3632
#1	3698.3	56820.	5794.2
#2	3695.7	57348.	5907.0

Sample Name: 280-27311-f-2-b Acquired: 4/9/2012 17:01:34 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00478**	**-.00093**	**.03792**	**.00006**	**.00006**	**.00034**	**.01796**	**-.00001**	**-.00004**
Stddev	.00035	.00029	.00023	.00304	.00001	.00005	.00141	.00049	.00003	.00017
%RSD	31.935	5.9620	24.600	8.0296	13.597	80.070	416.30	2.7413	248.82	418.72
#1	.00084	.00458	-.00077	.04007	.00006	.00002	.00134	.01761	.00001	.00008
#2	.00134	.00498	-.00109	.03577	.00005	.00009	-.00066	.01831	-.00004	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00182**	**.00797**	**.48537**	**.00228**	**.00211**	**.00035**	**-.00018**	**1.3539**	**.00006**
Stddev	.00015	.00006	.00068	.05944	.00118	.00111	.00000	.00001	.0664	.00038
%RSD	57.711	3.4180	8.5347	12.246	51.566	52.629	1.1384	7.9296	4.9053	638.86
#1	.00016	-.00177	.00845	.52740	.00312	.00289	.00035	-.00017	1.4008	.00033
#2	.00037	-.00186	.00749	.44334	.00145	.00132	.00034	-.00019	1.3069	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00345**	**.00105**	**.34433**	**-.00119**	W **-.00508**	**.01333**	**.02854**	**.00001**	**.00011**	**.00104**
Stddev	.00019	.00032	.00156	.00048	.00638	.00580	.01240	.00036	.00000	.00057
%RSD	5.5035	30.467	.45172	40.463	125.54	43.472	43.472	3741.5	.07688	54.409
#1	.00359	.00083	.34543	-.00154	-.00057	.01743	.03731	-.00025	.00011	.00064
#2	.00332	.00128	.34323	-.00085	-.00959	.00924	.01976	.00026	.00011	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00043**	**-.00187**	**.00039**	**.00324**	**-.00059**
Stddev	.00006	.00058	.00629	.00010	.00009	.00190
%RSD	17.322	134.67	336.61	24.644	2.9090	321.83
#1	.00039	.00084	.00258	.00032	.00317	-.00193
#2	.00031	.00002	-.00632	.00046	.00331	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4089.2**	**65119.**	**5959.3**
Stddev	12.9	38.	4.5
%RSD	.31661	.05847	.07517
#1	4080.1	65146.	5962.5
#2	4098.4	65092.	5956.1

Sample Name: 280-27311-f-2-bSD@5 Acquired: 4/9/2012 17:04:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.00493**	**.00154**	**.02453**	**.00012**	**.00008**	**-.00026**	**.01438**	**-.00008**	**.00004**
Stddev	.00009	.00006	.00276	.00096	.00009	.00003	.00090	.00007	.00011	.00001
%RSD	6.3863	1.2329	178.89	3.9179	73.360	33.691	348.43	.51150	129.60	11.980
#1	.00139	.00497	.00349	.02521	.00019	.00010	.00038	.01432	-.00016	.00004
#2	.00127	.00489	-.00041	.02385	.00006	.00006	-.00090	.01443	-.00001	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00205**	**.00942**	**.26944**	**.00017**	**.00082**	**.00018**	**-.00032**	**.73857**	**.00023**
Stddev	.00001	.00053	.00061	.02185	.00166	.00065	.00002	.00014	.03563	.00014
%RSD	1.7023	25.913	6.5032	8.1081	974.89	79.519	11.404	42.865	4.8246	60.783
#1	.00053	-.00242	.00985	.28489	-.00100	.00036	.00020	-.00022	.76377	.00033
#2	.00054	-.00167	.00899	.25400	.00134	.00128	.00017	-.00042	.71338	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00148**	**.00047**	**.26831**	**-.00196**	**-.00325**	**.00187**	**.00400**	**.00033**	**.00005**	**.00084**
Stddev	.00128	.00159	.01839	.00030	.00129	.00487	.01042	.00083	.00002	.00293
%RSD	86.636	338.31	6.8554	15.083	39.604	260.59	260.59	249.80	47.095	346.36
#1	.00057	-.00065	.25530	-.00175	-.00234	.00531	.01137	.00092	.00003	.00291
#2	.00238	.00159	.28132	-.00217	-.00416	-.00157	-.00337	-.00025	.00007	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00135**	**-.00952**	**.00002**	**.00299**	**.00093**
Stddev	.00030	.00100	.00277	.00008	.00019	.00196
%RSD	157.59	73.852	29.104	414.32	6.1974	210.39
#1	-.00002	.00065	-.01148	.00008	.00312	.00231
#2	.00041	.00206	-.00756	-.00004	.00285	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.0**	**65054.**	**5972.1**
Stddev	1.1	945.	32.7
%RSD	.02639	1.4529	.54802
#1	4107.2	65722.	5995.3
#2	4108.8	64385.	5949.0

Sample Name: 280-27311-f-2-c ms Acquired: 4/9/2012 17:06:25 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05459**	**1.9777**	**.99927**	**1.0455**	**2.1988**	**.05236**	F **2.1924**	**51.964**	**.10729**	**.51695**
Stddev	.00003	.1431	.07404	.0793	.0166	.00054	.1515	.357	.00832	.03748
%RSD	.04653	7.2380	7.4096	7.5892	.75402	1.0355	6.9084	.68716	7.7577	7.2496
#1	.05457	2.0789	1.0516	1.1016	2.2105	.05274	2.2995	52.216	.11318	.54345
#2	.05461	1.8764	.94692	.98940	2.1871	.05197	2.0853	51.712	.10141	.49045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21257**	**.26731**	**1.0948**	**54.413**	**1.0778**	**48.986**	**.51858**	**1.0682**	**55.668**	**.52444**
Stddev	.01578	.00302	.0027	.263	.0042	.168	.00293	.0783	.003	.03821
%RSD	7.4248	1.1309	.24666	.48423	.39207	.34336	.56474	7.3335	.00607	7.2858
#1	.22373	.26517	1.0928	54.599	1.0807	48.867	.51650	1.1236	55.671	.55146
#2	.20141	.26945	1.0967	54.227	1.0748	49.105	.52065	1.0129	55.666	.49742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.211**	**.49134**	**.52940**	**.50041**	**2.1617**	**10.541**	**22.558**	W **2.1302**	**1.0892**	**.96367**
Stddev	.741	.03487	.41168	.03679	.1465	.055	.118	.1587	.0073	.00159
%RSD	7.2558	7.0960	77.765	7.3516	6.7790	.52093	.52093	7.4512	.66796	.16527
#1	10.734	.51599	.82050	.52643	2.2654	10.580	22.641	2.2424	1.0943	.96255
#2	9.6867	.46668	.23829	.47440	2.0581	10.502	22.475	2.0180	1.0841	.96480
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0217**	**2.1300**	**2.2054**	**.52097**	**.47675**	**.46272**
Stddev	.0044	.1492	.0313	.00188	.00214	.00497
%RSD	.43306	7.0037	1.4176	.36076	.44890	1.0749
#1	1.0185	2.2355	2.1833	.51964	.47826	.46624
#2	1.0248	2.0245	2.2276	.52229	.47523	.45920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3716.7**	**60629.**	**5902.3**
Stddev	214.0	234.	28.9
%RSD	5.7567	.38643	.48972
#1	3565.4	60794.	5881.8
#2	3868.0	60463.	5922.7

Sample Name: 280-27311-f-2-d msd Acquired: 4/9/2012 17:08:34 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05440**	**1.8704**	**.93758**	**.97869**	**2.1969**	**.05224**	F **2.0678**	**51.746**	**.10118**	**.48868**
Stddev	.00042	.0050	.00738	.00216	.0215	.00069	.0020	.473	.00004	.00120
%RSD	.77557	.26952	.78738	.22098	.97948	1.3200	.09540	.91336	.03767	.24478
#1	.05410	1.8668	.94280	.97716	2.2121	.05272	2.0664	52.081	.10115	.48784
#2	.05469	1.8739	.93236	.98022	2.1817	.05175	2.0692	51.412	.10121	.48953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20081**	**.26416**	**1.0900**	**54.508**	**1.0720**	**48.864**	**.51731**	**1.0110**	**55.314**	**.49609**
Stddev	.00021	.00112	.0147	.464	.0097	.249	.00205	.0028	.554	.00123
%RSD	.10506	.42515	1.3506	.85059	.90797	.50912	.39644	.27825	1.0008	.24758
#1	.20066	.26337	1.1004	54.836	1.0789	48.688	.51586	1.0090	55.706	.49522
#2	.20096	.26496	1.0796	54.181	1.0651	49.040	.51876	1.0130	54.923	.49696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.6143**	**.46255**	**.22380**	**.47215**	**2.0371**	**10.550**	**22.576**	W **2.0144**	**1.0906**	**.96053**
Stddev	.0038	.00013	.00104	.00190	.0059	.049	.106	.0034	.0098	.00658
%RSD	.03952	.02754	.46616	.40249	.28795	.46814	.46814	.16753	.89638	.68503
#1	9.6116	.46246	.22306	.47349	2.0330	10.584	22.651	2.0120	1.0975	.95588
#2	9.6170	.46264	.22454	.47080	2.0413	10.515	22.501	2.0168	1.0836	.96519
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0142**	**2.0111**	**2.1802**	**.51695**	**.47501**	**.46318**
Stddev	.0004	.0032	.0069	.00015	.00158	.00366
%RSD	.04042	.15684	.31846	.02837	.33193	.78970
#1	1.0140	2.0089	2.1753	.51705	.47390	.46577
#2	1.0145	2.0134	2.1851	.51684	.47613	.46060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3881.6**	**60586.**	**5946.9**
Stddev	12.6	268.	35.2
%RSD	.32331	.44195	.59272
#1	3890.5	60775.	5922.0
#2	3872.8	60397.	5971.9

Sample Name: CCVH-1326164 Acquired: 4/9/2012 17:10:43 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00366**	**53.580**	**-.00072**	**.01591**	**.00051**	**.00010**	**.98879**	**.00186**	**.00003**	**.00019**	**.00118**	**.00305**
Stddev	.00053	.035	.00255	.00042	.00011	.00006	.00072	.00000	.00010	.00007	.00004	.00009
%RSD	14.338	.06568	355.04	2.6218	22.528	60.226	.07304	.23074	301.57	36.428	2.9714	2.8423
#1	.00329	53.605	.00108	.01621	.00059	.00014	.98828	.00186	-.00004	.00024	.00121	.00311
#2	.00403	53.555	-.00252	.01562	.00043	.00006	.98930	.00186	.00010	.00014	.00116	.00298
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.865**	**.21242**	**.00077**	**.00470**	**-.00015**	**.00106**	**265.85**	**.00218**	**.00546**	**-.00309**	**5.1284**	**-.00116**
Stddev	.262	.04524	.00160	.00015	.00005	.00082	.52	.00002	.00115	.00084	.0345	.00121
%RSD	.48732	21.300	208.79	3.0999	32.453	77.717	.19397	1.0820	21.067	27.169	.67221	103.86
#1	53.679	.18043	.00190	.00480	-.00012	.00048	265.48	.00216	.00465	-.00250	5.1041	-.00031
#2	54.050	.24441	-.00037	.00459	-.00019	.00164	266.21	.00219	.00628	-.00368	5.1528	-.00202
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00385**	**.01664**	**.03562**	**.00201**	**.00046**	W **4.5900**	**.00545**	**.00214**	**10.367**	**.00280**	**.00129**	**-.18383**
Stddev	.00486	.00648	.01388	.00113	.00004	.0128	.00026	.00125	.008	.00018	.00003	.00041
%RSD	126.32	38.956	38.956	56.267	8.5304	.27887	4.8486	58.617	.07849	6.5661	2.6194	.22053
#1	-.00041	.02123	.04543	.00121	.00044	4.5810	.00527	.00302	10.372	.00267	.00127	-.18412
#2	-.00729	.01206	.02581	.00282	.00049	4.5991	.00564	.00125	10.361	.00293	.00132	-.18354
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3929.5**	**61003.**	**5848.9**
Stddev	4.8	279.	52.6
%RSD	.12107	.45677	.89996
#1	3932.9	61200.	5811.6
#2	3926.1	60806.	5886.1

Sample Name: CCV-1343805 Acquired: 4/9/2012 17:13:04 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51935**	**.50170**	**.93370**	**.50062**	W **.55032**	**.51608**	**.00090**	**5.2703**	**.50361**	**.49708**	**.50046**	**.52518**
Stddev	.00278	.00347	.00919	.00486	.00180	.00327	.00257	.0156	.00380	.00373	.00365	.00239
%RSD	.53548	.69088	.98464	.97105	.32650	.63308	284.85	.29599	.75507	.75027	.73007	.45572
#1	.51738	.49925	.92720	.49718	.54905	.51377	-.00092	5.2592	.50093	.49445	.49787	.52348
#2	.52131	.50415	.94020	.50405	.55159	.51839	.00272	5.2813	.50630	.49972	.50304	.52687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.50000							
Range					10.000%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.7645**	**54.186**	**1.0711**	**19.892**	**.50955**	**.49740**	**5.3975**	**.49923**	**.95665**	**.93895**	**.24009**	**.98651**
Stddev	.0109	.033	.0075	.101	.00068	.00449	.0280	.00447	.00808	.00841	.00073	.00688
%RSD	.39476	.06027	.69903	.50831	.13313	.90215	.51960	.89482	.84460	.89614	.30498	.69741
#1	2.7567	54.163	1.0658	19.964	.51003	.49423	5.3777	.49607	.95093	.93300	.24061	.98164
#2	2.7722	54.209	1.0764	19.821	.50907	.50058	5.4174	.50239	.96236	.94490	.23957	.99137
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000											
Range	10.490%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0267**	**5.1900**	**11.107**	**1.0156**	**.53643**	**.01458**	**.49704**	**1.0477**	**-.02984**	**.50985**	**.48031**	**.49375**
Stddev	.0080	.0417	.089	.0077	.00310	.00188	.00028	.0110	.01345	.00158	.00449	.00696
%RSD	.77421	.80340	.80340	.76226	.57785	12.860	.05700	1.0481	45.071	.31076	.93464	1.4087
#1	1.0210	5.1605	11.043	1.0102	.53424	.01326	.49724	1.0400	-.03935	.51097	.48348	.48883
#2	1.0323	5.2194	11.170	1.0211	.53862	.01591	.49684	1.0555	-.02033	.50873	.47713	.49867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4017.4**	**62600.**	**5911.1**
Stddev	42.3	114.	21.1
%RSD	1.0521	.18143	.35695
#1	4047.3	62681.	5896.2
#2	3987.5	62520.	5926.0

Sample Name: CCB Acquired: 4/9/2012 17:15:15 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00134**	**.00143**	**-.00013**	F **.01142**	**.00009**	**.00005**	**.00177**	**.00025**	**.00003**	**-.00010**	**.00012**
Stddev	.00004	.00039	.00094	.00041	.00038	.00003	.00051	.00361	.00007	.00014	.00004
%RSD	2.9267	27.494	745.96	3.6002	434.69	57.948	28.557	1453.7	230.79	137.00	33.515
#1	.00136	.00170	.00054	.01113	-.00018	.00003	.00142	.00280	.00008	-.00020	.00009
#2	.00131	.00115	-.00079	.01171	.00036	.00007	.00213	-.00231	-.00002	.00000	.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00700							
Low Limit	-.00093			-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00249**	**.00348**	**.13899**	**-.00024**	**.00192**	**.00003**	**.00095**	F **.18948**	**.00008**	**.00298**	**.00146**
Stddev	.00008	.00119	.02067	.00119	.00189	.00003	.00068	.01291	.00026	.00183	.00114
%RSD	3.3832	34.044	14.869	501.16	98.454	92.381	71.115	6.8153	335.51	61.530	77.949
#1	-.00255	.00265	.15360	-.00108	.00325	.00001	.00047	.19861	-.00011	.00428	.00065
#2	-.00243	.00432	.12438	.00061	.00058	.00005	.00143	.18035	.00026	.00168	.00226
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.23945**	**.00105**	**-.00470**	**-.01484**	**-.03177**	**.00082**	**.00005**	**.00058**	**.00050**	**.00013**	**-.00031**
Stddev	.00159	.00055	.00167	.01311	.02805	.00116	.00003	.00019	.00017	.00093	.00090
%RSD	.66533	52.644	35.414	88.304	88.304	140.92	51.717	33.736	33.402	720.18	293.52
#1	.23832	.00144	-.00353	-.02411	-.05160	.00000	.00003	.00071	.00038	-.00053	.00033
#2	.24058	.00066	-.00588	-.00558	-.01193	.00164	.00007	.00044	.00062	.00078	-.00095
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.20000										
Low Limit	-.20000										

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00009**	**.00155**	**.00225**
Stddev	.00022	.00011	.00048
%RSD	236.29	7.3970	21.496
#1	-.00025	.00163	.00191
#2	.00006	.00147	.00259
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4031.9**	**63908.**	**5757.6**
Stddev	11.9	193.	21.8
%RSD	.29495	.30186	.37946
#1	4023.5	64044.	5773.0
#2	4040.3	63772.	5742.1

Sample Name: CCVL1351092 Acquired: 4/9/2012 17:17:41 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01188**	**.10485**	**.01295**	**.10043**	**.01153**	**.00112**	**.10540**	**.21877**	**.00509**	**.01024**	**.01041**	**.01378**	**.12980**
Stddev	.00007	.00104	.00313	.00059	.00009	.00003	.00010	.00274	.00002	.00023	.00027	.00039	.00046
%RSD	.59985	.99486	24.212	.58382	.75127	2.7205	.09362	1.2530	.40454	2.2597	2.5741	2.7978	.35130
#1	.01183	.10411	.01516	.10085	.01159	.00110	.10547	.21683	.00508	.01008	.01060	.01351	.12948
#2	.01193	.10559	.01073	.10002	.01147	.00114	.10533	.22071	.00511	.01041	.01022	.01405	.13012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5151**	**.01296**	**.21004**	**.01091**	**.02015**	**1.2878**	**.04159**	**2.6791**	**.00991**	**.20822**	**.00700**	F **.00606**	**.52046**
Stddev	.0137	.00139	.00084	.00000	.00033	.0216	.00030	.0131	.00070	.00361	.00088	.00154	.02037
%RSD	.39043	10.712	.40054	.03445	1.6247	1.6787	.71414	.49040	7.0339	1.7334	12.570	25.441	3.9143
#1	3.5054	.01395	.21064	.01091	.01992	1.2725	.04180	2.6698	.01040	.21077	.00638	.00715	.50606
#2	3.5248	.01198	.20945	.01092	.02038	1.3031	.04138	2.6884	.00942	.20567	.00763	.00497	.53487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1138**	**.10359**	**.01127**	**.01520**	**.01010**	**.01644**	F **.09075**	**.01069**	**.02199**	**.01508**
Stddev	.0436	.00037	.00004	.00046	.00022	.00058	.01341	.00033	.00030	.00099
%RSD	3.9143	.35321	.37692	3.0036	2.1673	3.5069	14.781	3.0493	1.3870	6.5561
#1	1.0830	.10385	.01124	.01487	.01026	.01685	.08126	.01046	.02177	.01438
#2	1.1446	.10334	.01130	.01552	.00995	.01603	.10023	.01092	.02220	.01577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4076.0**	**64461.**	**5832.3**
Stddev	16.7	524.	18.9
%RSD	.40934	.81346	.32397
#1	4087.8	64832.	5845.7
#2	4064.2	64090.	5819.0

Sample Name: mb 280-114447/1-a Acquired: 4/9/2012 17:20:05 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00135	.01219	.00011	W .00868	.00049	.00007	-.00225	.07236	.00008	-.00006
Stddev	.00009	.00001	.00187	.00020	.00026	.00004	.00015	.00223	.00001	.00004
%RSD	6.5738	.06489	1737.8	2.2486	53.572	48.635	6.6053	3.0768	16.754	61.234
#1	.00142	.01220	.00143	.00881	.00067	.00010	-.00214	.07393	.00009	-.00008
#2	.00129	.01219	-.00121	.00854	.00030	.00005	-.00235	.07078	.00007	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	-.00096	.02990	.10331	-.00049	.00570	.00055	-.00014	.33188	.00182
Stddev	.00016	.00011	.00022	.03061	.00069	.00078	.00001	.00002	.04827	.00012
%RSD	76.920	11.455	.73053	29.626	141.67	13.650	.93471	13.003	14.545	6.3495
#1	.00032	-.00104	.03005	.08167	-.00098	.00515	.00056	-.00013	.36602	.00174
#2	.00010	-.00089	.02974	.12495	.00000	.00625	.00055	-.00016	.29775	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00664	.00045	F .19676	-.00146	W -.00700	-.00187	-.00401	.00769	.00018	.00121
Stddev	.00301	.00089	.00013	.00042	.00083	.00671	.01435	.00071	.00002	.00049
%RSD	45.336	200.41	.06463	28.748	11.821	358.10	358.10	9.1916	13.718	40.826
#1	.00451	-.00019	.19667	-.00117	-.00642	-.00662	-.01416	.00719	.00020	.00156
#2	.00876	.00108	.19685	-.00176	-.00759	.00287	.00614	.00819	.00016	.00086
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000		.00500					
Low Limit	-.00500		-.01000		-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00103	.00012	.01058	.00026	.00246	.00060
Stddev	.00024	.00001	.00128	.00002	.00019	.00086
%RSD	23.013	8.1427	12.140	7.6237	7.6600	142.18
#1	.00086	.00012	.00967	.00025	.00260	.00000
#2	.00119	.00013	.01149	.00028	.00233	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4124.5	65409.	5942.4
Stddev	2.3	215.	17.8
%RSD	.05669	.32918	.29912
#1	4126.2	65561.	5929.8
#2	4122.9	65256.	5955.0

Sample Name: lcs 280-114447/2-a Acquired: 4/9/2012 17:22:31 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05463	1.8577	.92733	.93876	2.1928	.05165	2.0504	51.736	.10091	.48604
Stddev	.00016	.0068	.00286	.00043	.0172	.00031	.0030	.568	.00032	.00140
%RSD	.29685	.36800	.30806	.04618	.78353	.59903	.14830	1.0969	.31736	.28725
#1	.05451	1.8528	.92935	.93845	2.2049	.05186	2.0482	52.137	.10068	.48505
#2	.05474	1.8625	.92531	.93907	2.1806	.05143	2.0525	51.335	.10114	.48703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20217	.26212	1.1246	54.721	1.0658	48.741	.51478	.99400	55.086	.49716
Stddev	.00003	.00078	.0156	.418	.0086	.023	.00036	.00047	.388	.00175
%RSD	.01645	.29579	1.3905	.76435	.80375	.04798	.07066	.04706	.70398	.35266
#1	.20215	.26267	1.1356	55.017	1.0718	48.724	.51453	.99367	55.360	.49592
#2	.20219	.26157	1.1135	54.425	1.0597	48.757	.51504	.99434	54.812	.49840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6003	.45896	.16578	.46537	2.0325	1.3896	F 2.9737	2.0024	1.0860	.94356
Stddev	.0129	.00006	.00860	.00552	.0019	.0052	.0111	.0044	.0084	.00085
%RSD	.13476	.01357	5.1852	1.1861	.09268	.37281	.37281	.21760	.77485	.08969
#1	9.5912	.45900	.17186	.46927	2.0311	1.3933	2.9816	1.9993	1.0920	.94296
#2	9.6095	.45892	.15970	.46146	2.0338	1.3859	2.9659	2.0055	1.0801	.94416
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0031	2.0005	2.1665	.51235	.47265	.45361
Stddev	.0004	.0022	.0438	.00006	.00101	.00559
%RSD	.04372	.10723	2.0231	.01203	.21269	1.2316
#1	1.0034	1.9990	2.1355	.51230	.47194	.45756
#2	1.0028	2.0020	2.1975	.51239	.47336	.44966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3915.0	60978.	5801.7
Stddev	8.7	328.	16.6
%RSD	.22161	.53764	.28585
#1	3921.1	61210.	5790.0
#2	3908.8	60746.	5813.4

Sample Name: 280-27233-a-2-g Acquired: 4/9/2012 17:24:40 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**188.11**	**.02382**	**.01185**	**2.5400**	**.01283**	**.00344**	**49.707**	**.00089**	**.13698**
Stddev	.00027	1.62	.00154	.00004	.0210	.00007	.00158	.484	.00019	.00011
%RSD	26.901	.86189	6.4793	.30389	.82873	.53087	45.952	.97389	21.779	.07886
#1	.00081	189.25	.02273	.01182	2.5549	.01288	.00456	50.049	.00075	.13705
#2	.00120	186.96	.02491	.01187	2.5252	.01278	.00232	49.365	.00102	.13690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14470**	**.21844**	**234.44**	**20.340**	**.12932**	**32.121**	**4.5546**	**.00261**	**5.1225**	**.13552**
Stddev	.00008	.00031	2.22	.105	.00410	.294	.0018	.00072	.0279	.00010
%RSD	.05528	.13991	.94842	.51807	3.1724	.91526	.04038	27.492	.54410	.07060
#1	.14475	.21822	236.02	20.415	.13222	31.913	4.5533	.00210	5.1422	.13545
#2	.14464	.21865	232.87	20.266	.12641	32.329	4.5559	.00312	5.1028	.13558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4645**	**.11667**	**1.1306**	**-.00315**	W **-.00836**	**4.4978**	**9.6254**	**.01130**	**.84844**	**.02610**
Stddev	.0055	.00005	.0076	.00087	.00834	.0685	.1466	.00056	.00564	.00323
%RSD	.37476	.04022	.67403	27.459	99.819	1.5232	1.5232	4.9163	.66432	12.375
#1	1.4606	.11670	1.1252	-.00254	-.01425	4.5463	9.7291	.01170	.85242	.02382
#2	1.4684	.11664	1.1360	-.00376	-.00246	4.4494	9.5217	.01091	.84445	.02839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59906**	**.00062**	F **-.26424**	**.28155**	**.54581**	**.02321**
Stddev	.00687	.00105	.03058	.00194	.00611	.00106
%RSD	1.1471	169.01	11.573	.68837	1.1203	4.5746
#1	.59420	-.00012	-.24262	.28018	.54149	.02396
#2	.60392	.00137	-.28587	.28292	.55014	.02246
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4416.1**	**66949.**	**6618.5**
Stddev	1.7	194.	23.7
%RSD	.03897	.29027	.35842
#1	4417.3	67086.	6601.7
#2	4414.9	66811.	6635.3

Sample Name: 280-27357-a-1-a Acquired: 4/9/2012 17:27:03 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00156**	**187.88**	**.06172**	**.04708**	**2.1309**	**.01810**	**.00001**	**46.799**	**.00056**	**.05505**
Stddev	.00017	.06	.00125	.00037	.0020	.00016	.00180	.017	.00001	.00003
%RSD	10.653	.03242	2.0213	.77911	.09289	.86358	19087.	.03577	1.1851	.04751
#1	-.00144	187.84	.06083	.04734	2.1295	.01799	-.00126	46.811	.00056	.05506
#2	-.00168	187.93	.06260	.04682	2.1323	.01822	.00128	46.787	.00055	.05503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14286**	**.14871**	**211.19**	**29.657**	**.17032**	**47.764**	**1.5944**	**.01004**	**3.9606**	**.08604**
Stddev	.00008	.00223	.04	.018	.00006	.007	.0015	.00006	.0177	.00027
%RSD	.05603	1.5005	.01866	.06084	.03316	.01362	.09190	.61719	.44630	.30905
#1	.14291	.15029	211.16	29.669	.17028	47.769	1.5954	.00999	3.9731	.08585
#2	.14280	.14713	211.22	29.644	.17036	47.760	1.5933	.01008	3.9481	.08623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.5592**	**.14476**	**.86642**	**-.00514**	W **-.00703**	**2.6105**	**5.5864**	**.02298**	**.73051**	**.17613**
Stddev	.0096	.00021	.00268	.00170	.00130	.0243	.0521	.00044	.00071	.00009
%RSD	.26972	.14193	.30908	33.116	18.455	.93207	.93207	1.9284	.09701	.05045
#1	3.5524	.14461	.86832	-.00394	-.00611	2.6277	5.6233	.02330	.73001	.17607
#2	3.5660	.14491	.86453	-.00634	-.00795	2.5933	5.5496	.02267	.73102	.17619
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5081**	**-.00087**	F **-.52989**	**.37987**	**.62918**	**.11346**
Stddev	.0037	.00025	.01415	.00004	.00104	.00095
%RSD	.24290	29.070	2.6700	.01121	.16474	.83880
#1	1.5107	-.00105	-.53989	.37990	.62991	.11279
#2	1.5055	-.00069	-.51989	.37984	.62844	.11413
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5178.5**	**78542.**	**7823.4**
Stddev	3.6	196.	3.5
%RSD	.06894	.24952	.04494
#1	5181.0	78403.	7825.9
#2	5175.9	78680.	7820.9

Sample Name: 280-27357-a-1-aSD@5 Acquired: 4/9/2012 17:29:19 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**47.328**	**.01637**	**.01683**	**.53463**	**.00456**	**.00169**	**11.808**	**.00007**	**.01424**
Stddev	.00037	.365	.00422	.00016	.00540	.00002	.00111	.074	.00012	.00007
%RSD	48.767	.77064	25.759	.94137	1.0106	.34439	65.589	.62652	181.33	.51288
#1	.00103	47.070	.01339	.01695	.53081	.00455	.00091	11.756	.00016	.01419
#2	.00050	47.586	.01936	.01672	.53845	.00457	.00248	11.860	-.00002	.01429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03655**	**.03487**	**53.735**	**7.5035**	**.04187**	**12.226**	**.39700**	**.00239**	**1.0653**	**.02213**
Stddev	.00018	.00044	.202	.0556	.00018	.058	.00142	.00001	.0042	.00035
%RSD	.49604	1.2740	.37539	.74101	.41970	.47795	.35661	.34087	.39355	1.5662
#1	.03642	.03456	53.593	7.4642	.04175	12.267	.39800	.00240	1.0683	.02237
#2	.03668	.03519	53.878	7.5428	.04200	12.185	.39600	.00239	1.0624	.02188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.89678**	**.03901**	**.32082**	**-.00253**	**-.00348**	**.65553**	**1.4028**	**.00477**	**.18274**	**.04328**
Stddev	.00072	.00123	.00668	.00119	.00075	.02089	.0447	.00020	.00156	.00038
%RSD	.08042	3.1648	2.0807	47.077	21.548	3.1861	3.1861	4.2746	.85113	.87122
#1	.89627	.03988	.32554	-.00169	-.00295	.64076	1.3712	.00463	.18164	.04301
#2	.89729	.03813	.31610	-.00338	-.00402	.67029	1.4344	.00491	.18384	.04355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37267**	**.00111**	F **-.14992**	**.09353**	**.16044**	**.02791**
Stddev	.00080	.00116	.00073	.00027	.00222	.00058
%RSD	.21411	104.67	.48809	.28363	1.3844	2.0755
#1	.37324	.00193	-.14940	.09334	.16201	.02832
#2	.37211	.00029	-.15044	.09372	.15887	.02750
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.4**	**67298.**	**6321.6**
Stddev	18.0	165.	57.2
%RSD	.41338	.24490	.90556
#1	4375.1	67181.	6362.1
#2	4349.6	67414.	6281.2

Sample Name: 280-27357-a-1-b ms Acquired: 4/9/2012 17:31:40 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04220**	**323.41**	**.75885**	**.73177**	**3.3888**	**.05969**	F **1.5249**	**123.26**	**.07830**	**.40768**
Stddev	.00033	1.32	.00085	.00041	.0131	.00054	.0056	.49	.00017	.00074
%RSD	.79329	.40825	.11239	.05667	.38545	.90723	.36965	.39547	.21773	.18218
#1	.04244	324.35	.75824	.73206	3.3980	.06008	1.5289	123.61	.07842	.40820
#2	.04197	322.48	.75945	.73147	3.3795	.05931	1.5209	122.92	.07818	.40715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32823**	**.35709**	**228.70**	**78.845**	**1.0527**	**90.960**	**1.9777**	**.69916**	**46.164**	**.44567**
Stddev	.00126	.00057	.95	.314	.0061	.076	.0004	.00327	.466	.00020
%RSD	.38369	.15853	.41339	.39801	.57911	.08346	.02205	.46703	1.0087	.04396
#1	.32912	.35669	229.37	79.067	1.0570	90.906	1.9773	.70147	46.493	.44553
#2	.32734	.35749	228.03	78.623	1.0483	91.014	1.9780	.69685	45.835	.44581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.517**	**.47965**	**.94561**	**.12976**	**1.4990**	**4.9186**	**10.526**	**1.4251**	**1.6528**	**.92316**
Stddev	.024	.00194	.00590	.00154	.0003	.0063	.014	.0029	.0066	.00147
%RSD	.23225	.40510	.62411	1.1863	.01856	.12899	.12899	.20192	.39656	.15959
#1	10.534	.48103	.94979	.12867	1.4988	4.9231	10.535	1.4271	1.6574	.92211
#2	10.499	.47828	.94144	.13084	1.4992	4.9141	10.516	1.4230	1.6482	.92420
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1568**	**1.3680**	**1.0870**	**.88482**	**1.0541**	**.60673**
Stddev	.0019	.0027	.0155	.00056	.0054	.00243
%RSD	.03771	.19507	1.4290	.06362	.51523	.40096
#1	5.1581	1.3699	1.0980	.88442	1.0580	.60845
#2	5.1554	1.3662	1.0760	.88521	1.0503	.60501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5049.3**	**75528.**	**7855.9**
Stddev	1.3	126.	49.1
%RSD	.02617	.16721	.62452
#1	5050.2	75438.	7890.6
#2	5048.4	75617.	7821.2

Sample Name: 280-27357-a-1-c msd Acquired: 4/9/2012 17:33:52 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04156**	**305.12**	**.75191**	**.68654**	**4.1023**	**.05946**	F **1.5229**	**86.065**	**.07710**	**.41172**
Stddev	.00046	1.57	.00129	.00306	.0242	.00013	.0008	.203	.00013	.00009
%RSD	1.0984	.51454	.17135	.44544	.58877	.21185	.05156	.23542	.17437	.02292
#1	.04124	306.23	.75282	.68870	4.1194	.05954	1.5223	86.208	.07720	.41166
#2	.04188	304.01	.75100	.68438	4.0852	.05937	1.5234	85.922	.07701	.41179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32917**	**.36323**	**234.72**	**79.203**	**1.0433**	**93.543**	**2.2409**	**.70169**	**46.433**	**.45542**
Stddev	.00001	.00220	.85	.469	.0072	.524	.0175	.00089	.262	.00021
%RSD	.00272	.60662	.36004	.59173	.69247	.56012	.77935	.12616	.56419	.04612
#1	.32916	.36167	235.31	79.534	1.0484	93.173	2.2286	.70106	46.619	.45557
#2	.32917	.36479	234.12	78.871	1.0382	93.914	2.2533	.70232	46.248	.45527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.685**	**.48144**	**.93277**	**.14559**	**1.5001**	**5.1568**	**11.036**	**1.4342**	**1.6593**	**.93143**
Stddev	.006	.00148	.00360	.00286	.0026	.0244	.052	.0014	.0097	.00649
%RSD	.05609	.30706	.38614	1.9643	.17173	.47242	.47242	.09734	.58645	.69655
#1	10.689	.48040	.93531	.14761	1.5019	5.1741	11.073	1.4332	1.6662	.92685
#2	10.681	.48249	.93022	.14357	1.4983	5.1396	10.999	1.4352	1.6524	.93602
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1265**	**1.3786**	**1.0682**	**.82062**	**1.1011**	**.52952**
Stddev	.0238	.0030	.0100	.00350	.0061	.00472
%RSD	.57739	.21479	.93307	.42591	.55624	.89123
#1	4.1097	1.3807	1.0752	.81815	1.0968	.53286
#2	4.1434	1.3765	1.0611	.82310	1.1054	.52618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5035.3**	**75329.**	**7753.0**
Stddev	4.2	476.	21.7
%RSD	.08406	.63247	.28039
#1	5038.2	75666.	7737.6
#2	5032.3	74992.	7768.4

Sample Name: 280-27357-a-2-a Acquired: 4/9/2012 17:36:06 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**45.824**	**.02409**	**.02987**	**.54091**	**.00421**	**-.00403**	**49.123**	**.00037**	**.02273**
Stddev	.00007	.284	.00330	.00005	.00314	.00002	.00063	.342	.00007	.00020
%RSD	13.286	.62072	13.681	.18236	.57978	.41486	15.639	.69539	18.884	.89004
#1	.00061	46.025	.02176	.02983	.54313	.00419	-.00448	49.364	.00032	.02258
#2	.00051	45.623	.02642	.02991	.53869	.00422	-.00359	48.881	.00042	.02287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07314**	**.26405**	**75.679**	**10.599**	**.05219**	**13.565**	**1.0298**	**.00627**	**2.4843**	**.03303**
Stddev	.00077	.00308	.400	.053	.00025	.192	.0117	.00057	.0330	.00013
%RSD	1.0595	1.1670	.52840	.49599	.47315	1.4174	1.1350	9.1089	1.3293	.40428
#1	.07259	.26622	75.962	10.636	.05237	13.701	1.0380	.00587	2.5077	.03293
#2	.07369	.26187	75.396	10.562	.05202	13.429	1.0215	.00668	2.4610	.03312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2404**	**.04888**	**1.1697**	**-.00287**	**-.00211**	**4.1392**	**8.8580**	**.01007**	**.37385**	**.06439**
Stddev	.0013	.00104	.0091	.00109	.00149	.0190	.0407	.00032	.00158	.00028
%RSD	.05790	2.1305	.77603	38.051	70.686	.45959	.45959	3.1908	.42223	.43768
#1	2.2395	.04815	1.1632	-.00364	-.00316	4.1258	8.8292	.00984	.37497	.06419
#2	2.2413	.04962	1.1761	-.00210	-.00105	4.1527	8.8867	.01029	.37274	.06459
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5230**	**.00121**	F **-.20905**	**.12469**	**.31581**	**.06011**
Stddev	.0318	.00010	.00805	.00145	.00381	.00025
%RSD	1.2590	8.1236	3.8529	1.1631	1.2059	.41592
#1	2.5455	.00128	-.20336	.12571	.31850	.06029
#2	2.5006	.00114	-.21475	.12366	.31312	.05994
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4469.0**	**68279.**	**6576.3**
Stddev	13.9	503.	65.1
%RSD	.31080	.73682	.98971
#1	4478.9	67923.	6530.3
#2	4459.2	68634.	6622.4

Sample Name: CCVH-1326164 Acquired: 4/9/2012 17:38:24 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**54.008**	**-.00103**	**.00693**	**.00034**	**.00010**	**.98241**	**-.00097**	**-.00011**	**.00027**	**.00103**	**.00287**
Stddev	.00004	.076	.00018	.00040	.00004	.00002	.00164	.00446	.00005	.00005	.00009	.00007
%RSD	1.0277	.14078	17.204	5.8027	11.621	18.736	.16715	459.29	40.578	18.610	9.0190	2.4016
#1	.00341	53.954	-.00115	.00721	.00037	.00011	.98357	.00218	-.00008	.00023	.00110	.00282
#2	.00346	54.062	-.00090	.00665	.00032	.00008	.98125	-.00413	-.00014	.00030	.00096	.00292
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.412**	**.16138**	**-.00026**	**-.00044**	**-.00009**	**-.00079**	**266.23**	**.00209**	**.00553**	**-.00254**	**4.9633**	**-.00036**
Stddev	.040	.01293	.00041	.00561	.00003	.00032	.44	.00011	.00201	.00108	.0006	.00077
%RSD	.07294	8.0091	154.65	1287.4	31.761	39.796	.16624	5.1065	36.267	42.362	.01202	217.46
#1	54.440	.17052	-.00055	.00353	-.00011	-.00102	265.92	.00216	.00411	-.00178	4.9637	-.00090
#2	54.384	.15224	.00002	-.00440	-.00007	-.00057	266.54	.00201	.00695	-.00330	4.9629	.00019
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00552**	**.01022**	**.02187**	**.00273**	**.00042**	W **4.5188**	**.00571**	**.00268**	**10.206**	**.00251**	**.00141**	**-.18154**
Stddev	.00062	.00272	.00582	.00017	.00003	.1360	.00018	.00011	.299	.00012	.00042	.00839
%RSD	11.187	26.590	26.590	6.2746	6.0021	3.0098	3.2410	4.0039	2.9258	4.9340	29.463	4.6224
#1	-.00508	.01214	.02598	.00261	.00040	4.4226	.00584	.00275	9.9953	.00242	.00171	-.17561
#2	-.00595	.00830	.01776	.00285	.00044	4.6150	.00558	.00260	10.418	.00260	.00112	-.18747
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3977.6**	**61891.**	**5850.6**
Stddev	4.3	1309.	28.4
%RSD	.10927	2.1146	.48540
#1	3980.7	62817.	5830.5
#2	3974.6	60966.	5870.7

Sample Name: CCV-1343805 Acquired: 4/9/2012 17:40:44 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51633**	**.50791**	**.93503**	**.48781**	W **.55171**	**.51267**	**-.00040**	**5.2940**	**.50034**	**.49738**	**.50105**	**.51519**
Stddev	.00158	.00290	.00260	.00505	.00193	.00063	.00026	.0031	.00262	.00243	.00207	.00096
%RSD	.30668	.57018	.27813	1.0353	.34964	.12380	65.273	.05791	.52455	.48781	.41302	.18664
#1	.51745	.50996	.93687	.49138	.55034	.51222	-.00058	5.2961	.50219	.49909	.50251	.51587
#2	.51521	.50586	.93319	.48424	.55307	.51312	-.00021	5.2918	.49848	.49566	.49959	.51451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.50000							
Range					10.000%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.7673**	**54.539**	**1.0582**	**20.095**	**.51448**	**.49582**	**5.2625**	**.50051**	**.95019**	**.94021**	**.06801**	**.97517**
Stddev	.0113	.015	.0029	.053	.00057	.00271	.0007	.00212	.00314	.00833	.00199	.00766
%RSD	.40831	.02786	.27259	.26423	.11082	.54707	.01316	.42425	.33097	.88627	2.9213	.78533
#1	2.7593	54.549	1.0561	20.057	.51408	.49774	5.2630	.50201	.95241	.94610	.06661	.98058
#2	2.7753	54.528	1.0602	20.132	.51488	.49391	5.2620	.49901	.94797	.93432	.06942	.96975
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000											
Range	10.490%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0327**	**5.2239**	**11.179**	**1.0211**	**.53776**	**.01306**	**.49412**	**1.0435**	**-.00544**	**.50965**	**.48884**	**.49007**
Stddev	.0071	.0338	.072	.0015	.00216	.00289	.00043	.0046	.00113	.00019	.00031	.00133
%RSD	.68988	.64685	.64685	.14333	.40221	22.133	.08748	.44592	20.798	.03823	.06364	.27209
#1	1.0377	5.2000	11.128	1.0222	.53623	.01510	.49443	1.0468	-.00625	.50978	.48906	.48913
#2	1.0277	5.2478	11.230	1.0201	.53929	.01101	.49381	1.0402	-.00464	.50951	.48862	.49101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4061.5**	**63183.**	**5743.8**
Stddev	10.9	97.	10.5
%RSD	.26804	.15409	.18246
#1	4053.8	63114.	5736.4
#2	4069.2	63252.	5751.3

Sample Name: CCB Acquired: 4/9/2012 17:42:56 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00162	.00126	-.00022	W .00468	.00010	.00005	-.00172	.00202	-.00009	-.00010	.00015
Stddev	.00022	.00027	.00280	.00013	.00027	.00004	.00030	.00195	.00005	.00002	.00011
%RSD	13.335	21.351	1290.0	2.7602	261.16	72.893	17.434	96.295	55.448	14.460	70.290
#1	.00146	.00107	.00176	.00477	-.00009	.00007	-.00151	.00340	-.00005	-.00009	.00008
#2	.00177	.00145	-.00219	.00459	.00030	.00002	-.00193	.00065	-.00013	-.00012	.00023
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00437							
Low Limit	-.00093			-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00227	.00173	.11010	.00012	-.00107	.00002	.00103	.07930	.00034	.00088	.00039
Stddev	.00005	.00221	.05739	.00213	.00329	.00003	.00057	.01696	.00022	.00148	.00038
%RSD	2.1629	127.63	52.129	1760.3	306.32	147.65	54.853	21.385	66.159	169.44	96.990
#1	-.00224	.00330	.06952	.00163	-.00340	.00000	.00063	.06731	.00018	.00193	.00066
#2	-.00231	.00017	.15068	-.00139	.00125	.00004	.00143	.09129	.00049	-.00017	.00012
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05758	.00145	.00093	-.01397	-.02989	.00119	-.00002	.00014	.00029	.00088	-.00860
Stddev	.00014	.00025	.00093	.00456	.00976	.00044	.00001	.00057	.00026	.00038	.00318
%RSD	.24491	17.506	100.02	32.664	32.664	37.274	66.716	402.91	89.594	43.990	36.966
#1	.05749	.00163	.00158	-.01074	-.02298	.00087	-.00001	-.00026	.00047	.00060	-.01084
#2	.05768	.00127	.00027	-.01719	-.03679	.00150	-.00003	.00054	.00011	.00115	-.00635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.00018	.00170	.00080
Stddev	.00012	.00004	.00105
%RSD	68.059	2.2302	130.74
#1	.00027	.00172	.00006
#2	.00009	.00167	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4105.0	63967.	5843.2
Stddev	11.0	335.	58.9
%RSD	.26774	.52313	1.0076
#1	4112.8	64204.	5884.8
#2	4097.2	63731.	5801.6

Sample Name: CCVL1351092 Acquired: 4/9/2012 17:45:21 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01194**	**.10531**	**.01658**	**.09551**	**.01157**	**.00113**	**.10480**	**.21402**	**.00503**	**.01015**	**.01031**	**.01385**	**.11383**	**3.4522**
Stddev	.00005	.00070	.00082	.00012	.00012	.00000	.00039	.00189	.00012	.00016	.00005	.00022	.00129	.0086
%RSD	.40792	.66275	4.9317	.12057	1.0694	.34889	.37576	.88468	2.3222	1.5847	.47280	1.5801	1.1320	.25035
#1	.01197	.10580	.01716	.09543	.01166	.00113	.10508	.21536	.00495	.01004	.01028	.01401	.11474	3.4583
#2	.01190	.10482	.01600	.09559	.01149	.00112	.10452	.21268	.00512	.01027	.01035	.01370	.11292	3.4461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00890**	**.20636**	**.01080**	**.01999**	**1.1743**	**.04114**	**2.6885**	**.01050**	**.04746**	**.00869**	**.01107**	**.49119**	**1.0512**	**.10291**
Stddev	.00143	.00107	.00008	.00003	.0039	.00018	.0040	.00137	.00276	.00063	.00345	.00406	.0087	.00052
%RSD	16.115	.51824	.69860	.15101	.33388	.43839	.14963	13.017	5.8101	7.2608	31.210	.82706	.82706	.50184
#1	.00789	.20560	.01075	.01997	1.1715	.04127	2.6914	.00953	.04551	.00824	.00863	.49407	1.0573	.10327
#2	.00991	.20711	.01086	.02001	1.1771	.04102	2.6857	.01147	.04941	.00913	.01351	.48832	1.0450	.10254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01117**	**.01518**	**.01009**	**.01678**	**.04845**	**.01047**	**.02138**	**.01588**
Stddev	.00002	.00042	.00018	.00010	.01515	.00027	.00049	.00039
%RSD	.17291	2.7897	1.7638	.60259	31.266	2.5640	2.2690	2.4753
#1	.01119	.01548	.01021	.01685	.05916	.01028	.02173	.01616
#2	.01116	.01488	.00996	.01671	.03774	.01066	.02104	.01561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.9**	**64729.**	**5891.6**
Stddev	.5	66.	21.6
%RSD	.01311	.10271	.36692
#1	4117.2	64682.	5876.3
#2	4116.5	64776.	5906.9

Sample Name: 280-27357-a-5-c Acquired: 4/9/2012 17:47:43 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**20.904**	**.01544**	**.01007**	**.28289**	**.00273**	**-.00070**	**9.2443**	**.00040**	**.01333**
Stddev	.00020	.126	.00182	.00060	.00094	.00003	.00007	.0690	.00011	.00013
%RSD	41.482	.60394	11.815	5.9349	.33360	1.1491	9.8780	.74624	26.990	.97725
#1	.00034	20.993	.01673	.00964	.28356	.00271	-.00065	9.2931	.00048	.01324
#2	.00062	20.815	.01415	.01049	.28222	.00275	-.00075	9.1955	.00033	.01342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03376**	**.08198**	**50.338**	**5.1145**	**.02678**	**4.9050**	**1.3877**	**.00432**	**1.2646**	**.02004**
Stddev	.00003	.00025	.333	.0448	.00073	.0452	.0074	.00039	.0058	.00015
%RSD	.07987	.29887	.66142	.87615	2.7421	.92119	.53568	9.0115	.45858	.74045
#1	.03374	.08181	50.573	5.1462	.02730	4.8730	1.3824	.00404	1.2605	.01993
#2	.03378	.08216	50.102	5.0829	.02626	4.9369	1.3930	.00459	1.2687	.02014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5656**	**.03539**	**.17665**	**-.00127**	**-.00470**	**2.2932**	**4.9074**	**.00878**	**.10182**	**.04848**
Stddev	.0032	.00060	.00217	.00156	.00043	.0597	.1277	.00103	.00047	.00005
%RSD	.20288	1.6832	1.2280	122.65	9.1644	2.6022	2.6022	11.740	.46088	.10567
#1	1.5678	.03497	.17511	-.00238	-.00500	2.3354	4.9977	.00951	.10215	.04851
#2	1.5634	.03581	.17818	-.00017	-.00439	2.2510	4.8171	.00805	.10149	.04844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3016**	**-.00080**	F **-.17221**	**.08000**	**.30231**	**.03297**
Stddev	.0125	.00171	.00318	.00076	.00449	.00145
%RSD	.95925	214.27	1.8437	.95080	1.4836	4.3945
#1	1.2927	.00041	-.16996	.07946	.29914	.03400
#2	1.3104	-.00200	-.17445	.08053	.30549	.03195
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4409.6**	**68706.**	**6384.4**
Stddev	27.9	361.	25.2
%RSD	.63215	.52516	.39438
#1	4429.3	68961.	6366.6
#2	4389.9	68451.	6402.2

Sample Name: 280-27357-a-6-a Acquired: 4/9/2012 17:50:03 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00198**	**85.839**	**.03943**	**.02812**	**1.5607**	**.00586**	**-.00054**	**22.115**	**.00322**	**.03666**
Stddev	.00063	.216	.00287	.00005	.0060	.00009	.00038	.124	.00005	.00024
%RSD	31.519	.25126	7.2712	.18478	.38335	1.4926	70.336	.56057	1.5892	.64125
#1	.00243	85.991	.03741	.02809	1.5649	.00592	-.00027	22.203	.00318	.03649
#2	.00154	85.686	.04146	.02816	1.5565	.00579	-.00081	22.028	.00325	.03682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11113**	**.21749**	**124.66**	**22.700**	**.07349**	**17.773**	**2.4284**	**.00906**	**2.3034**	**.05759**
Stddev	.00039	.00011	.61	.123	.00051	.097	.0111	.00023	.0157	.00097
%RSD	.35485	.04835	.48968	.54154	.69797	.54324	.45520	2.5807	.68121	1.6767
#1	.11086	.21756	125.09	22.787	.07385	17.705	2.4206	.00923	2.3145	.05691
#2	.11141	.21741	124.23	22.613	.07313	17.841	2.4362	.00890	2.2924	.05827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.5462**	**.53107**	**3.2604**	**-.00010**	W **-.00866**	**3.3224**	**7.1099**	**.03372**	**.41421**	**.10240**
Stddev	.0167	.00264	.0184	.00094	.00594	.0193	.0413	.00105	.00108	.00140
%RSD	.47193	.49804	.56296	957.14	68.612	.58141	.58141	3.1259	.25966	1.3636
#1	3.5343	.52920	3.2474	-.00077	-.01287	3.3360	7.1391	.03297	.41497	.10141
#2	3.5580	.53294	3.2734	.00057	-.00446	3.3087	7.0807	.03446	.41345	.10339
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1573**	**-.00123**	F **-.28602**	**.21359**	**1.4092**	**.09020**
Stddev	.0146	.00152	.00418	.00135	.0122	.00110
%RSD	.46382	123.42	1.4598	.62996	.86863	1.2187
#1	3.1469	-.00016	-.28306	.21264	1.4005	.08942
#2	3.1676	-.00231	-.28897	.21455	1.4178	.09098
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4525.0**	**69710.**	**6778.2**
Stddev	7.3	296.	10.5
%RSD	.16103	.42467	.15530
#1	4530.2	69919.	6770.8
#2	4519.8	69500.	6785.6

Sample Name: 280-27357-a-8-c Acquired: 4/9/2012 17:52:20 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**31.699**	**.01983**	**.01092**	**.52853**	**.00316**	**-.00508**	**23.471**	**.00032**	**.02332**
Stddev	.00021	.016	.00231	.00032	.00123	.00011	.00031	.040	.00012	.00001
%RSD	22.854	.05163	11.650	2.9089	.23234	3.4027	6.0464	.17094	37.033	.04647
#1	.00077	31.711	.02146	.01069	.52767	.00324	-.00530	23.499	.00040	.02331
#2	.00107	31.688	.01820	.01114	.52940	.00309	-.00486	23.443	.00023	.02332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41369**	**.16831**	**73.074**	**9.9650**	**.03282**	**7.2602**	**1.3601**	**.04198**	**1.9488**	**.03178**
Stddev	.00106	.00028	.222	.0456	.00134	.0008	.0004	.00008	.0045	.00007
%RSD	.25548	.16676	.30327	.45757	4.0914	.01132	.02715	.18182	.23108	.23002
#1	.41295	.16811	72.917	9.9972	.03187	7.2608	1.3604	.04192	1.9519	.03183
#2	.41444	.16851	73.231	9.9327	.03377	7.2596	1.3599	.04203	1.9456	.03173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6505**	**.05367**	**.55184**	**-.00352**	**-.00330**	**2.7369**	**5.8570**	**.00931**	**.21829**	**.07194**
Stddev	.0007	.00084	.00088	.00141	.00114	.0114	.0243	.00181	.00019	.00100
%RSD	.04419	1.5587	.15893	40.199	34.466	.41536	.41536	19.474	.08559	1.3906
#1	1.6511	.05308	.55122	-.00252	-.00411	2.7449	5.8742	.00803	.21816	.07123
#2	1.6500	.05427	.55246	-.00452	-.00250	2.7289	5.8398	.01059	.21842	.07264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9776**	**-.00142**	F **-.21693**	**.11217**	**.24953**	**.05279**
Stddev	.0053	.00073	.01072	.00013	.00025	.00002
%RSD	.26650	51.549	4.9394	.11275	.09985	.03901
#1	1.9813	-.00090	-.22451	.11226	.24971	.05277
#2	1.9739	-.00194	-.20935	.11208	.24936	.05280
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4478.8**	**70164.**	**6549.3**
Stddev	3.3	106.	51.7
%RSD	.07423	.15159	.78984
#1	4481.1	70239.	6512.7
#2	4476.4	70089.	6585.9

Sample Name: 280-27357-a-9-a Acquired: 4/9/2012 17:54:38 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**35.559**	**.02816**	**.00807**	**.28949**	**.00346**	**-.00502**	**11.848**	**.00021**	**.02087**
Stddev	.00020	.044	.00172	.00039	.00040	.00001	.00069	.023	.00017	.00017
%RSD	130.00	.12311	6.1035	4.8300	.13804	.18103	13.712	.19124	80.217	.79100
#1	.00029	35.590	.02937	.00835	.28921	.00346	-.00454	11.864	.00009	.02076
#2	.00001	35.528	.02694	.00780	.28977	.00346	-.00551	11.832	.00033	.02099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10277**	**.29633**	**101.87**	**9.1269**	**.05712**	**8.8587**	**.84658**	**.00787**	**1.9059**	**.02385**
Stddev	.00010	.00010	.04	.0449	.00121	.0679	.00456	.00033	.0138	.00009
%RSD	.10173	.03525	.03707	.49201	2.1164	.76697	.53812	4.2485	.72368	.39629
#1	.10270	.29625	101.85	9.1586	.05627	8.9068	.84980	.00811	1.9156	.02391
#2	.10284	.29640	101.90	9.0951	.05798	8.8107	.84335	.00763	1.8961	.02378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9765**	**.04152**	**.14508**	**-.00172**	W **-.00549**	**2.2782**	**4.8753**	**.00814**	**.11478**	**.10799**
Stddev	.0069	.00066	.00071	.00043	.00374	.0238	.0509	.00008	.00005	.00176
%RSD	.34816	1.5784	.48877	24.819	68.091	1.0443	1.0443	.92412	.03987	1.6301
#1	1.9813	.04198	.14558	-.00202	-.00813	2.2950	4.9113	.00809	.11474	.10923
#2	1.9716	.04106	.14458	-.00141	-.00285	2.2614	4.8393	.00819	.11481	.10674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7785**	**-.00079**	F **-.29575**	**.16902**	**.32434**	**.03949**
Stddev	.0159	.00090	.00005	.00172	.00693	.00153
%RSD	.57161	114.32	.01657	1.0169	2.1381	3.8711
#1	2.7897	-.00015	-.29578	.17024	.32924	.04058
#2	2.7672	-.00142	-.29571	.16781	.31943	.03841
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4471.6**	**69131.**	**6454.9**
Stddev	4.0	70.	23.7
%RSD	.08970	.10071	.36732
#1	4468.7	69180.	6438.2
#2	4474.4	69082.	6471.7

Sample Name: 280-27357-a-10-a Acquired: 4/9/2012 17:56:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00166**	**73.772**	**.02709**	**.01591**	**1.0996**	**.00478**	**-.00356**	**62.762**	**.00081**	**.03816**
Stddev	.00010	.119	.00415	.00015	.0013	.00005	.00198	.174	.00008	.00030
%RSD	6.0047	.16137	15.335	.96544	.11943	1.1391	55.721	.27719	10.263	.79373
#1	.00173	73.856	.03003	.01580	1.0986	.00474	-.00496	62.885	.00075	.03794
#2	.00159	73.688	.02415	.01602	1.1005	.00482	-.00216	62.639	.00087	.03837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15291**	**.27911**	**146.08**	**25.691**	**.06870**	**24.060**	**2.2389**	**.00860**	**2.0347**	**.06942**
Stddev	.00039	.00153	.52	.032	.00171	.048	.0013	.00033	.0020	.00012
%RSD	.25285	.54780	.35455	.12425	2.4894	.20149	.05604	3.8519	.09950	.17297
#1	.15264	.27803	146.45	25.668	.06749	24.095	2.2397	.00836	2.0362	.06950
#2	.15318	.28020	145.72	25.713	.06990	24.026	2.2380	.00883	2.0333	.06933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0030**	**.10128**	**6.6267**	**-.00316**	W **-.00845**	**2.7370**	**5.8572**	**.01057**	**.46405**	**.09486**
Stddev	.0135	.00022	.0055	.00080	.00312	.0114	.0244	.00018	.00029	.00090
%RSD	.33779	.21509	.08339	25.196	36.918	.41708	.41708	1.7025	.06266	.94454
#1	3.9934	.10112	6.6228	-.00372	-.00625	2.7451	5.8745	.01044	.46384	.09423
#2	4.0125	.10143	6.6306	-.00259	-.01066	2.7289	5.8399	.01069	.46425	.09550
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8846**	**-.00055**	F **-.24983**	**.28112**	**.55029**	**.07074**
Stddev	.0061	.00075	.01405	.00061	.00272	.00141
%RSD	.12569	136.47	5.6241	.21557	.49439	1.9899
#1	4.8802	-.00002	-.25976	.28069	.55222	.06975
#2	4.8889	-.00108	-.23989	.28155	.54837	.07174
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4477.5**	**69023.**	**6690.9**
Stddev	1.7	39.	19.6
%RSD	.03782	.05613	.29319
#1	4478.7	69051.	6677.0
#2	4476.3	68996.	6704.7

Sample Name: 280-27357-a-11-a Acquired: 4/9/2012 17:59:14 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**55.467**	**.02475**	**.01356**	**.59310**	**.00513**	**-.00503**	**18.203**	**.00054**	**.02958**
Stddev	.00039	.096	.00045	.00006	.00135	.00001	.00070	.014	.00006	.00031
%RSD	49.972	.17319	1.8196	.47669	.22823	.27123	13.883	.07880	11.961	1.0326
#1	.00106	55.535	.02443	.01351	.59406	.00514	-.00552	18.214	.00059	.02980
#2	.00050	55.399	.02506	.01360	.59214	.00512	-.00454	18.193	.00050	.02936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37217**	**.21493**	**128.43**	**14.874**	**.07130**	**13.609**	**2.8711**	**.03891**	**2.3561**	**.04843**
Stddev	.00267	.00013	.01	.008	.00025	.049	.0111	.00017	.0120	.00015
%RSD	.71661	.05867	.00598	.05063	.35023	.35911	.38605	.42560	.51048	.31947
#1	.37405	.21484	128.43	14.880	.07112	13.574	2.8632	.03902	2.3646	.04854
#2	.37028	.21502	128.42	14.869	.07147	13.643	2.8789	.03879	2.3476	.04832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6673**	**.05627**	**.23228**	**-.00379**	W **-.00568**	**2.3141**	**4.9521**	**.00932**	**.27126**	**.10297**
Stddev	.0174	.00051	.00195	.00024	.00292	.0133	.0284	.00035	.00053	.00162
%RSD	.65162	.90502	.83830	6.3353	51.437	.57431	.57431	3.7269	.19499	1.5757
#1	2.6796	.05663	.23365	-.00362	-.00361	2.3047	4.9320	.00907	.27164	.10411
#2	2.6550	.05591	.23090	-.00396	-.00774	2.3235	4.9722	.00956	.27089	.10182
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6678**	**.00073**	F **-.25734**	**.20636**	**.37277**	**.07010**
Stddev	.0069	.00056	.00212	.00032	.00210	.00086
%RSD	.18775	76.643	.82271	.15283	.56306	1.2209
#1	3.6629	.00033	-.25585	.20614	.37129	.06949
#2	3.6726	.00112	-.25884	.20658	.37426	.07071
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4552.3**	**70704.**	**6597.3**
Stddev	21.9	101.	24.8
%RSD	.48048	.14261	.37561
#1	4536.9	70776.	6614.8
#2	4567.8	70633.	6579.7

Sample Name: 280-27357-a-12-a Acquired: 4/9/2012 18:01:37 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**58.317**	**.02292**	**.01306**	**.68097**	**.00441**	**-.00340**	**18.182**	**.00036**	**.02592**
Stddev	.00017	.328	.00201	.00051	.00179	.00006	.00064	.139	.00000	.00024
%RSD	37.806	.56166	8.7906	3.8759	.26285	1.2887	18.906	.76246	.23921	.92742
#1	.00032	58.549	.02434	.01270	.68223	.00437	-.00386	18.280	.00036	.02610
#2	.00056	58.086	.02149	.01342	.67970	.00445	-.00295	18.084	.00036	.02575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07331**	**.14829**	**95.445**	**14.028**	**.06525**	**14.426**	**1.6609**	**.00398**	**1.1262**	**.03618**
Stddev	.00004	.00045	.647	.063	.00039	.015	.0080	.00030	.0049	.00008
%RSD	.05172	.30579	.67746	.44815	.59595	.10307	.48275	7.5591	.43416	.23189
#1	.07334	.14797	95.902	14.073	.06498	14.416	1.6552	.00377	1.1297	.03624
#2	.07329	.14861	94.987	13.984	.06553	14.437	1.6666	.00420	1.1228	.03613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1726**	**.04430**	**.17804**	**-.00201**	**-.00460**	**2.0763**	**4.4432**	**.01023**	**.27504**	**.06420**
Stddev	.0100	.00095	.00297	.00112	.00198	.0381	.0815	.00091	.00136	.00044
%RSD	.46167	2.1381	1.6680	55.829	43.181	1.8353	1.8353	8.8982	.49394	.69148
#1	2.1797	.04497	.17594	-.00281	-.00319	2.1032	4.5008	.01087	.27601	.06389
#2	2.1655	.04363	.18014	-.00122	-.00600	2.0493	4.3855	.00959	.27408	.06451
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9669**	**-.00194**	F **-.25852**	**.14908**	**.39877**	**.06949**
Stddev	.0143	.00120	.00045	.00098	.00146	.00157
%RSD	.48093	61.816	.17531	.65429	.36685	2.2542
#1	2.9568	-.00109	-.25820	.14839	.39774	.06838
#2	2.9770	-.00279	-.25884	.14977	.39981	.07060
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4451.7**	**69217.**	**6467.7**
Stddev	4.5	227.	23.7
%RSD	.10055	.32797	.36708
#1	4454.9	69378.	6450.9
#2	4448.6	69057.	6484.4

Sample Name: 280-27357-a-13-a Acquired: 4/9/2012 18:03:56 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**59.867**	**.02797**	**.01327**	**.82599**	**.00406**	**-.00402**	**61.047**	**.00077**	**.03141**
Stddev	.00017	.369	.00117	.00052	.00592	.00004	.00059	.637	.00008	.00028
%RSD	16.485	.61703	4.1726	3.8927	.71620	.99523	14.638	1.0437	10.011	.90509
#1	.00118	60.128	.02714	.01363	.83017	.00403	-.00360	61.497	.00071	.03161
#2	.00093	59.606	.02879	.01290	.82181	.00409	-.00444	60.596	.00082	.03121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26279**	**.21492**	**126.61**	**17.147**	**.06382**	**16.210**	**2.2123**	**.02476**	**1.4372**	**.09983**
Stddev	.00071	.00131	1.49	.053	.00143	.061	.0088	.00072	.0077	.00021
%RSD	.27070	.61110	1.1748	.30747	2.2471	.37921	.39633	2.9131	.53876	.21141
#1	.26330	.21399	127.66	17.184	.06484	16.167	2.2061	.02425	1.4317	.09968
#2	.26229	.21585	125.55	17.109	.06281	16.254	2.2185	.02527	1.4426	.09998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3348**	**.08755**	**2.0132**	**-.00257**	W **-.00727**	**2.5489**	**5.4546**	**.00899**	**.40543**	**.09578**
Stddev	.0013	.00147	.0134	.00099	.00133	.0239	.0511	.00005	.00314	.00076
%RSD	.03929	1.6820	.66347	38.624	18.313	.93622	.93622	.51163	.77339	.79168
#1	3.3357	.08651	2.0227	-.00186	-.00822	2.5658	5.4907	.00896	.40765	.09632
#2	3.3339	.08859	2.0038	-.00327	-.00633	2.5320	5.4185	.00903	.40321	.09524
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3377**	**-.00147**	F **-.24160**	**.20604**	**.33142**	**.06067**
Stddev	.0075	.00129	.01568	.00021	.00002	.00143
%RSD	.22411	87.261	6.4918	.10176	.00643	2.3491
#1	3.3324	-.00238	-.25269	.20589	.33143	.05966
#2	3.3430	-.00056	-.23051	.20619	.33140	.06168
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4414.8**	**68553.**	**6475.6**
Stddev	4.1	217.	24.6
%RSD	.09265	.31601	.37958
#1	4417.7	68706.	6458.3
#2	4411.9	68399.	6493.0

Sample Name: CCVH-1326164 Acquired: 4/9/2012 18:06:13 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00351**	**54.272**	**-.00522**	**.00453**	**.00058**	**.00002**	**.98732**	**.00207**	**.00005**	**.00015**	**.00106**	**.00342**
Stddev	.00021	.626	.00466	.00042	.00002	.00001	.00515	.00077	.00001	.00056	.00037	.00033
%RSD	6.1150	1.1538	89.299	9.2161	3.9416	40.214	.52156	37.053	10.459	374.76	34.749	9.6871
#1	.00336	54.715	-.00851	.00483	.00060	.00001	.98368	.00153	.00005	-.00025	.00080	.00318
#2	.00366	53.829	-.00192	.00424	.00056	.00002	.99096	.00261	.00006	.00055	.00132	.00365
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.430**	**.07367**	**.00052**	**.00121**	**.00001**	**-.00064**	**267.93**	**.00203**	**.00309**	**-.00200**	**4.8997**	**-.00276**
Stddev	.691	.00908	.00080	.00065	.00002	.00017	3.62	.00027	.00180	.00181	.0053	.00310
%RSD	1.2700	12.331	155.14	53.615	167.07	25.643	1.3504	13.198	58.247	90.440	.10906	112.29
#1	54.918	.08009	-.00005	.00075	.00000	-.00076	270.49	.00222	.00436	-.00328	4.9035	-.00057
#2	53.941	.06725	.00109	.00166	.00002	-.00053	265.37	.00184	.00182	-.00072	4.8960	-.00495
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00459**	**-.00908**	**-.01943**	**.00201**	**.00045**	W **4.6368**	**.00628**	**.00219**	**10.376**	**.00258**	**.00147**	**-.18588**
Stddev	.00349	.00325	.00695	.00008	.00003	.0036	.00022	.00009	.031	.00041	.00002	.00244
%RSD	76.005	35.800	35.800	4.0727	7.7158	.07696	3.5007	3.9826	.29950	15.812	1.5378	1.3113
#1	-.00706	-.01138	-.02434	.00207	.00042	4.6393	.00644	.00225	10.398	.00229	.00148	-.18415
#2	-.00213	-.00678	-.01451	.00195	.00047	4.6342	.00613	.00213	10.354	.00287	.00145	-.18760
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3926.3**	**60869.**	**5730.3**
Stddev	4.7	52.	39.9
%RSD	.12045	.08471	.69692
#1	3929.7	60905.	5702.0
#2	3923.0	60832.	5758.5

Sample Name: CCV-1343805 Acquired: 4/9/2012 18:08:33 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52414**	**.50581**	**.92156**	**.48567**	F **.55660**	**.51827**	**.00035**	**5.3199**	**.50297**	**.49851**	**.50276**	**.52398**	F **2.8117**
Stddev	.00221	.00111	.01240	.00008	.00003	.00302	.00297	.0265	.00063	.00118	.00125	.00196	.0071
%RSD	.42203	.22039	1.3453	.01552	.00535	.58220	840.26	.49825	.12452	.23617	.24830	.37374	.25372
#1	.52258	.50660	.93033	.48562	.55663	.52041	.00245	5.3386	.50341	.49935	.50364	.52260	2.8168
#2	.52571	.50502	.91280	.48573	.55658	.51614	-.00174	5.3011	.50252	.49768	.50187	.52537	2.8067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value					.50000								2.5000
Range					10.490%								10.490%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.885**	**1.0726**	**20.212**	**.51917**	**.49867**	**5.2574**	**.50062**	**.95032**	**.93402**	**.03544**	**.97657**	**1.0275**	**5.2218**
Stddev	.110	.0071	.006	.00114	.00164	.0256	.00104	.00441	.00231	.00283	.00321	.0065	.0126
%RSD	.20089	.66218	.03103	.21998	.32878	.48726	.20789	.46402	.24746	7.9974	.32890	.63310	.24086
#1	54.963	1.0776	20.216	.51836	.49983	5.2755	.50136	.94720	.93239	.03344	.97884	1.0321	5.2307
#2	54.807	1.0676	20.208	.51998	.49751	5.2393	.49989	.95343	.93566	.03745	.97429	1.0229	5.2129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.175**	**1.0216**	**.54323**	**.01355**	**.49960**	**1.0475**	**-.00191**	**.51400**	**.48935**	**.49356**
Stddev	.027	.0029	.00060	.00016	.00081	.0053	.02353	.00148	.00334	.00584
%RSD	.24086	.28919	.11135	1.1527	.16153	.50423	1232.4	.28784	.68328	1.1831
#1	11.194	1.0237	.54366	.01366	.49903	1.0512	-.01855	.51295	.48699	.49769
#2	11.156	1.0195	.54280	.01344	.50017	1.0438	.01473	.51505	.49172	.48943
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4028.6**	**62034.**	**5775.1**
Stddev	3.4	370.	27.5
%RSD	.08407	.59617	.47695
#1	4031.0	62296.	5755.6
#2	4026.2	61773.	5794.6

Sample Name: CCB Acquired: 4/9/2012 18:10:44 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00140**	**.00207**	**.00057**	**.00176**	**.00000**	**.00002**	**-.00075**	**-.00398**	**.00001**	**-.00018**	**.00002**
Stddev	.00046	.00005	.00339	.00009	.0002	.00000	.00162	.00146	.00000	.00004	.00001
%RSD	32.712	2.2796	599.88	4.8221	18246.	12.151	215.40	36.753	50.941	21.115	46.724
#1	.00172	.00210	-.00183	.00182	-.00017	.00002	-.00189	-.00501	.00001	-.00016	.00002
#2	.00107	.00204	.00296	.00170	.00017	.00002	.00039	-.00294	.00001	-.00021	.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00216**	**.00514**	**.03988**	**-.00110**	**.00265**	**.00007**	**.00088**	**.03691**	**.00001**	**.00174**	**.00135**
Stddev	.00071	.00099	.03254	.00116	.00153	.00001	.00017	.00338	.00009	.00337	.00064
%RSD	32.984	19.224	81.587	105.50	57.789	10.024	18.980	9.1625	598.25	194.34	47.443
#1	-.00267	.00444	.01687	-.00028	.00156	.00007	.00076	.03931	-.00005	.00412	.00180
#2	-.00166	.00584	.06289	-.00192	.00373	.00006	.00100	.03452	.00007	-.00065	.00089
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02720**	**.00125**	**-.00213**	**-.00075**	**-.00161**	**.00062**	**.00002**	**.00156**	**.00048**	**-.00022**	**-.00342**
Stddev	.00242	.00200	.00087	.00172	.00369	.00090	.00001	.00053	.00009	.00096	.02394
%RSD	8.8807	160.34	40.777	229.63	229.63	145.58	42.550	34.139	18.394	437.40	699.64
#1	.02890	.00266	-.00274	.00047	.00100	-.00002	.00003	.00193	.00042	-.00090	-.02035
#2	.02549	-.00017	-.00151	-.00197	-.00422	.00126	.00001	.00118	.00054	.00046	.01351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00001**	**.00150**	**-.00010**
Stddev	.00001	.00023	.00060
%RSD	112.30	15.129	587.98
#1	.00000	.00166	.00032
#2	-.00001	.00134	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.2**	**63732.**	**5717.3**
Stddev	6.5	257.	49.3
%RSD	.16147	.40333	.86169
#1	4050.6	63914.	5752.1
#2	4059.8	63550.	5682.5

Sample Name: CCVL1351092 Acquired: 4/9/2012 18:13:09 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01171**	**.10492**	**.01292**	**.09221**	**.01166**	**.00109**	**.10519**	**.21815**	**.00512**	**.01021**	**.01059**	**.01360**	**.11805**	**3.4877**
Stddev	.00058	.00108	.00242	.00086	.00014	.00004	.00149	.00079	.00008	.00007	.00004	.00020	.00024	.0456
%RSD	4.9756	1.0285	18.730	.93241	1.2101	3.5773	1.4153	.36379	1.4755	.70392	.35680	1.4345	.20507	1.3076
#1	.01129	.10415	.01121	.09160	.01156	.00112	.10414	.21759	.00506	.01016	.01057	.01346	.11822	3.4554
#2	.01212	.10568	.01463	.09281	.01176	.00106	.10625	.21872	.00517	.01026	.01062	.01374	.11787	3.5199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01066**	**.20681**	**.01090**	**.01986**	**1.1470**	**.04114**	**2.6766**	**.00957**	**.02715**	**.00878**	**.01225**	**.52993**	**1.1341**	**.10459**
Stddev	.00054	.00228	.00009	.00006	.0046	.00003	.0112	.00050	.00112	.00027	.00006	.00329	.0070	.00019
%RSD	5.0243	1.1042	.79397	.28912	.39886	.06313	.41799	5.1775	4.1313	3.0490	.50327	.62048	.62048	.18039
#1	.01028	.20519	.01084	.01982	1.1502	.04112	2.6687	.00992	.02794	.00859	.01230	.52761	1.1291	.10445
#2	.01104	.20842	.01096	.01990	1.1438	.04115	2.6845	.00922	.02636	.00897	.01221	.53226	1.1390	.10472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01122**	**.01586**	**.01018**	**.01646**	**.05251**	**.01041**	**.02113**	**.01577**
Stddev	.00017	.00099	.00006	.00033	.00508	.00014	.00038	.00179
%RSD	1.4964	6.2285	.60861	2.0234	9.6662	1.3932	1.8093	11.370
#1	.01110	.01656	.01013	.01670	.04892	.01051	.02086	.01450
#2	.01134	.01516	.01022	.01623	.05610	.01030	.02140	.01704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.1**	**64095.**	**5738.8**
Stddev	17.4	300.	48.0
%RSD	.42432	.46836	.83577
#1	4109.3	64308.	5772.7
#2	4084.8	63883.	5704.9

Sample Name: mb 280-114448/1-a Acquired: 4/9/2012 18:15:32 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00217**	**-.00047**	**.00135**	**.00004**	**.00009**	**.00349**	**.01076**	**-.00012**	**.00016**
Stddev	.00015	.00020	.00403	.00022	.00013	.00001	.00067	.00124	.00005	.00021
%RSD	10.597	9.3581	853.12	16.408	305.98	9.5211	19.349	11.523	42.455	128.54
#1	.00134	.00202	-.00332	.00120	.00013	.00010	.00397	.00989	-.00015	.00031
#2	.00156	.00231	.00238	.00151	-.00005	.00009	.00301	.01164	-.00008	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00208**	W **.04524**	**.05356**	**.00075**	**.00054**	**.00038**	**-.00030**	**.03340**	**.00015**
Stddev	.00001	.00012	.00023	.05596	.00017	.00053	.00000	.00002	.00048	.00006
%RSD	2.6100	5.6467	.51679	104.47	23.202	98.474	.85129	7.3432	1.4245	42.667
#1	.00048	-.00200	.04507	.09313	.00087	.00091	.00038	-.00029	.03306	.00010
#2	.00049	-.00217	.04540	.01399	.00063	.00016	.00038	-.00032	.03373	.00019
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**.00005**	F **.02607**	**-.00121**	**.00092**	F **-.01818**	**-.03890**	**.00051**	**.00002**	**.00141**
Stddev	.00018	.00009	.00266	.00068	.00285	.00074	.00158	.00063	.00006	.00154
%RSD	20.325	193.94	10.191	56.453	309.09	4.0541	4.0541	123.22	303.15	109.91
#1	-.00100	.00011	.02419	-.00169	.00294	-.01766	-.03778	.00096	-.00002	.00031
#2	-.00075	-.00002	.02795	-.00073	-.00109	-.01870	-.04001	.00007	.00006	.00250
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00106**	**-.00091**	**.00005**	**.00178**	**.00040**
Stddev	.00009	.00205	.01952	.00006	.00026	.00058
%RSD	20.336	193.48	2134.2	115.94	14.858	144.58
#1	.00040	-.00039	-.01472	.00009	.00196	-.00001
#2	.00053	.00251	.01289	.00001	.00159	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4146.6**	**65224.**	**5748.8**
Stddev	3.5	545.	16.0
%RSD	.08367	.83495	.27758
#1	4149.1	64839.	5760.1
#2	4144.2	65609.	5737.5

Sample Name: lcs 280-114448/2-a Acquired: 4/9/2012 18:17:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05614**	**1.9269**	**.95788**	**1.0009**	F **2.2517**	**.05297**	**2.0972**	**53.061**	**.10364**	**.49569**
Stddev	.00075	.0008	.00158	.0015	.0066	.00036	.0002	.350	.00026	.00058
%RSD	1.3407	.04098	.16489	.15290	.29209	.67264	.01043	.66001	.25043	.11697
#1	.05667	1.9274	.95676	.99980	2.2564	.05322	2.0974	53.309	.10382	.49528
#2	.05560	1.9263	.95899	1.0020	2.2471	.05272	2.0971	52.814	.10346	.49610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					2.2400					
Low Limit					1.8000					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20223**	**.26541**	**1.1287**	**56.335**	**1.0858**	**51.101**	**.52886**	**1.0098**	F **56.578**	**.50517**
Stddev	.00025	.00119	.0101	.290	.0054	.002	.00008	.0019	.195	.00126
%RSD	.12427	.44666	.89107	.51418	.49351	.00406	.01511	.19006	.34487	.24856
#1	.20205	.26457	1.1359	56.540	1.0895	51.100	.52891	1.0085	56.716	.50428
#2	.20240	.26625	1.1216	56.130	1.0820	51.103	.52880	1.0112	56.440	.50606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9506**	**.46886**	**.03805**	**.47969**	**2.1667**	**10.708**	F **22.916**	**2.0678**	F **1.1142**	**.95798**
Stddev	.0153	.00055	.00096	.00320	.0059	.035	.075	.0029	.0047	.00327
%RSD	.15382	.11764	2.5124	.66655	.27431	.32873	.32873	.13979	.42493	.34182
#1	9.9614	.46847	.03873	.48195	2.1625	10.733	22.969	2.0657	1.1176	.96029
#2	9.9397	.46925	.03737	.47743	2.1709	10.683	22.862	2.0698	1.1109	.95566
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							24.610		1.1000	
Low Limit							20.100		.91000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0161**	**2.0825**	**2.1742**	**.52364**	**.49403**	**.46488**
Stddev	.0012	.0047	.0030	.00044	.00276	.00335
%RSD	.11385	.22649	.13720	.08372	.55811	.72043
#1	1.0169	2.0792	2.1721	.52395	.49598	.46724
#2	1.0153	2.0858	2.1763	.52333	.49208	.46251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3975.4**	**61202.**	**5757.1**
Stddev	.8	43.	9.3
%RSD	.01970	.07025	.16160
#1	3975.9	61232.	5763.7
#2	3974.8	61171.	5750.6

Sample Name: 280-27312-o-1-d Acquired: 4/9/2012 18:20:06 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00082**	**.00000**	**2.7795**	**.00927**	**.00006**	**.00129**	**224.69**	**.00068**	**.00104**
Stddev	.00034	.00057	.0020	.0047	.00003	.00001	.00102	.77	.00017	.00043
%RSD	22.676	68.685	45749.	.16899	.28703	17.754	79.213	.34281	24.356	41.369
#1	.00176	.00123	.00140	2.7828	.00925	.00007	.00202	224.15	.00056	.00134
#2	.00127	.00042	-.00141	2.7762	.00929	.00006	.00057	225.24	.00080	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**-.00048**	**1.2050**	**27.827**	**.28578**	W **779.68**	**.08245**	**.00655**	W **2399.4**	**.00271**
Stddev	.00016	.00094	.0203	1.093	.00079	3.28	.00002	.00112	11.0	.00009
%RSD	29.497	196.02	1.6846	3.9276	.27547	.42131	.01859	17.106	.45961	3.2188
#1	.00042	.00018	1.1907	27.055	.28634	782.00	.08247	.00576	2391.6	.00265
#2	.00064	-.00114	1.2194	28.600	.28522	777.36	.08244	.00734	2407.2	.00277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07516**	**.00189**	F **1838.5**	**-.00252**	**.01326**	**12.516**	**26.785**	**.00062**	**2.5151**	**-.00534**
Stddev	.00142	.00164	4.6	.00100	.00155	.074	.158	.00071	.0151	.00101
%RSD	1.8949	86.604	.25214	39.801	11.659	.58956	.58956	113.89	.60127	18.957
#1	.07416	.00305	1841.8	-.00181	.01216	12.464	26.673	.00112	2.5044	-.00463
#2	.07617	.00073	1835.2	-.00323	.01435	12.568	26.896	.00012	2.5258	-.00606
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00243**	**-.00186**	**.00162**	**.00148**	**.00132**
Stddev	.00018	.00070	.00492	.00003	.00041	.00060
%RSD	21.068	28.635	264.73	2.1185	27.933	45.334
#1	.00071	.00194	.00162	.00160	.00119	.00174
#2	.00096	.00292	-.00534	.00165	.00177	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3273.8**	**49371.**	**5497.9**
Stddev	14.0	41.	33.1
%RSD	.42645	.08319	.60236
#1	3264.0	49342.	5521.3
#2	3283.7	49400.	5474.5

Sample Name: 280-27324-e-1-a Acquired: 4/9/2012 18:22:39 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.50729**	**.03047**	**5.0457**	**.14072**	**.00006**	**.00024**	**60.393**	**.00040**	**.01755**
Stddev	.00003	.00335	.00004	.0219	.00095	.00005	.00004	.402	.00001	.00006
%RSD	2.3171	.66116	.12231	.43439	.67786	78.273	17.238	.66619	2.0502	.34869
#1	.00129	.50492	.03049	5.0612	.14140	.00010	.00027	60.677	.00040	.01751
#2	.00125	.50966	.03044	5.0302	.14005	.00003	.00021	60.108	.00039	.01760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00706**	**.00642**	**2.0813**	**78.025**	**.08973**	**34.466**	**1.7533**	**.00981**	W **1082.4**	**.17148**
Stddev	.00010	.00024	.0136	.589	.00092	.172	.0090	.00002	8.2	.00001
%RSD	1.3852	3.7334	.65433	.75466	1.0257	.49953	.51494	.18116	.75839	.00849
#1	.00699	.00659	2.0909	78.441	.09038	34.588	1.7597	.00982	1088.2	.17147
#2	.00713	.00625	2.0716	77.608	.08908	34.345	1.7469	.00980	1076.6	.17149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.5384**	**.00678**	**82.975**	**-.00053**	**-.00255**	**17.413**	**37.263**	**.00165**	**1.1745**	**.00166**
Stddev	.0056	.00089	.301	.00150	.00144	.075	.162	.00097	.0085	.00076
%RSD	.15711	13.098	.36258	282.04	56.508	.43339	.43339	58.814	.72724	45.686
#1	3.5424	.00615	83.188	.00053	-.00153	17.466	37.377	.00097	1.1805	.00112
#2	3.5345	.00741	82.763	-.00159	-.00357	17.359	37.149	.00234	1.1684	.00220
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01329**	**.00193**	**-.01577**	**.01433**	**.03128**	**.00456**
Stddev	.00048	.00105	.00487	.00078	.00080	.00009
%RSD	3.6144	54.213	30.860	5.4615	2.5595	2.0684
#1	.01363	.00119	-.01233	.01489	.03185	.00462
#2	.01295	.00267	-.01921	.01378	.03072	.00449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3671.2**	**55567.**	**5789.4**
Stddev	5.6	26.	52.9
%RSD	.15132	.04668	.91386
#1	3675.2	55549.	5752.0
#2	3667.3	55585.	5826.8

Sample Name: 280-27273-f-5-a Acquired: 4/9/2012 18:25:02 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.00085**	**.00327**	**.10505**	**.04334**	**-.00002**	**.00082**	**365.48**	**.00045**	**.00360**
Stddev	.00033	.00004	.00010	.00058	.00007	.00004	.00205	.03	.00025	.00023
%RSD	14.120	4.4951	2.9917	.54763	.15054	240.09	248.60	.00833	56.000	6.3381
#1	.00260	.00083	.00333	.10545	.04339	.00001	-.00062	365.46	.00063	.00344
#2	.00213	.00088	.00320	.10464	.04329	-.00004	.00227	365.50	.00027	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00091**	**.98290**	W **120.84**	**.19959**	**148.39**	**5.8032**	**.00349**	**48.181**	**.00438**
Stddev	.00011	.00021	.00156	.19	.00067	.25	.0236	.00001	.086	.00013
%RSD	19.639	22.611	.15843	.15776	.33772	.16699	.40624	.42040	.17852	2.9840
#1	.00049	-.00076	.98180	120.97	.19911	148.56	5.8198	.00350	48.242	.00429
#2	.00065	-.00106	.98400	120.70	.20007	148.21	5.7865	.00348	48.120	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01975**	**.00388**	F **446.41**	**-.00105**	**.00219**	**10.052**	**21.511**	**-.00034**	**2.0478**	**-.00010**
Stddev	.00311	.00244	.21	.00052	.00112	.051	.109	.00020	.0013	.00262
%RSD	15.750	63.048	.04743	49.711	51.315	.50678	.50678	60.328	.06392	2604.8
#1	.02195	.00560	446.26	-.00142	.00298	10.088	21.588	-.00019	2.0487	-.00196
#2	.01755	.00215	446.56	-.00068	.00139	10.016	21.434	-.00048	2.0469	.00175
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00091**	W **-.05068**	**.00231**	**.07998**	**.00037**
Stddev	.00009	.00184	.00837	.00035	.00050	.00080
%RSD	15.888	200.68	16.511	15.350	.63126	216.95
#1	.00051	-.00038	-.04477	.00206	.08034	.00094
#2	.00064	.00221	-.05660	.00256	.07963	-.00020
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3712.7**	**57460.**	**5659.8**
Stddev	.2	198.	34.9
%RSD	.00551	.34397	.61710
#1	3712.9	57599.	5635.1
#2	3712.6	57320.	5684.5

Sample Name: 280-27273-f-5-aSD@5 Acquired: 4/9/2012 18:27:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00111**	**.00085**	**.02462**	**.00884**	**.00008**	**.00332**	**76.199**	**.00004**	**.00078**
Stddev	.00023	.00039	.00106	.00101	.00002	.00001	.00193	.158	.00011	.00012
%RSD	17.732	34.678	124.46	4.1116	.25100	18.479	58.297	.20714	266.33	15.870
#1	.00148	.00084	.00160	.02534	.00882	.00009	.00195	76.088	-.00004	.00087
#2	.00115	.00139	.00010	.02391	.00886	.00007	.00468	76.311	.00012	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00159**	**.20783**	**24.349**	**.04328**	**30.162**	**1.2164**	**.00043**	**9.4059**	W **10.119**
Stddev	.00012	.00024	.00108	.009	.00229	.070	.0035	.00014	.0171	.035
%RSD	21.250	14.856	.51861	.03575	5.2885	.23041	.28594	33.563	.18196	.35017
#1	.00049	-.00176	.20860	24.355	.04490	30.211	1.2188	.00033	9.4180	10.144
#2	.00066	-.00142	.20707	24.343	.04166	30.113	1.2139	.00053	9.3938	10.094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00501**	**.00146**	**90.635**	**-.00138**	**-.00270**	**2.0175**	**4.3175**	**-.00059**	**.41357**
Stddev	.00010	.00175	.00016	.442	.00144	.00460	.0202	.0433	.00047	.00075
%RSD	9.5740	34.833	11.031	.48715	105.05	170.61	1.0031	1.0031	79.601	.18163
#1	.00112	.00625	.00134	90.947	-.00035	.00056	2.0032	4.2869	-.00026	.41410
#2	.00098	.00378	.00157	90.322	-.00240	-.00595	2.0318	4.3481	-.00093	.41304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00023**	**.00234**	**-.00620**	**.00048**	**.01866**	**.00104**
Stddev	.00061	.00005	.00046	.00759	.00030	.00043	.00162
%RSD	284.45	21.057	19.747	122.44	63.439	2.2878	154.90
#1	-.00022	.00019	.00201	-.00083	.00026	.01896	.00219
#2	.00065	.00026	.00267	-.01156	.00069	.01836	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3989.4**	**62239.**	**5833.0**
Stddev	15.0	181.	8.7
%RSD	.37585	.29032	.14917
#1	3978.8	62111.	5839.1
#2	4000.0	62366.	5826.8

Sample Name: 280-27273-f-5-b ms Acquired: 4/9/2012 18:29:58 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05969**	**1.8281**	**1.0150**	**1.1004**	**2.3276**	**.05159**	F **2.1246**	**416.15**	**.10718**	**.48883**
Stddev	.00002	.0345	.0066	.0174	.0083	.00011	.0333	9.16	.00139	.00740
%RSD	.03080	1.8882	.65277	1.5785	.35502	.21150	1.5697	2.2002	1.2951	1.5147
#1	.05971	1.8525	1.0197	1.1127	2.3218	.05152	2.1481	409.68	.10816	.49406
#2	.05968	1.8037	1.0104	1.0882	2.3334	.05167	2.1010	422.63	.10620	.48359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20256**	**.27207**	**2.0971**	W **180.24**	**1.3185**	**198.91**	**6.3607**	**1.0191**	**105.68**	**.49613**
Stddev	.00325	.00116	.0034	.36	.0063	1.28	.0399	.0155	.45	.00740
%RSD	1.6055	.42457	.16342	.19837	.48187	.64509	.62668	1.5157	.42557	1.4911
#1	.20486	.27125	2.0995	179.99	1.3140	198.01	6.3325	1.0300	105.36	.50136
#2	.20026	.27288	2.0947	180.50	1.3230	199.82	6.3889	1.0082	105.99	.49090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.523**	**.45409**	F **458.56**	**.49428**	**2.2780**	**20.989**	**44.916**	W **2.0143**	**3.2029**	**.97558**
Stddev	.154	.00847	6.89	.00807	.0375	.071	.153	.0278	.0102	.00167
%RSD	1.4619	1.8655	1.5018	1.6320	1.6469	.34057	.34057	1.3776	.31759	.17088
#1	10.631	.46008	463.43	.49999	2.3045	20.938	44.808	2.0339	3.1957	.97440
#2	10.414	.44810	453.69	.48858	2.2515	21.039	45.024	1.9946	3.2101	.97676
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		200.00					2.0000		
Low Limit	-1.0000		-.20000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0190**	**1.9128**	**2.1668**	**.53137**	**.56185**	**.45718**
Stddev	.0013	.0349	.0208	.00055	.00061	.00009
%RSD	.13022	1.8246	.95951	.10326	.10852	.01891
#1	1.0181	1.9375	2.1521	.53176	.56228	.45724
#2	1.0199	1.8882	2.1815	.53099	.56141	.45712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3645.0**	**56697.**	**5662.5**
Stddev	32.6	222.	8.6
%RSD	.89303	.39148	.15266
#1	3622.0	56854.	5656.4
#2	3668.0	56541.	5668.7

Sample Name: 280-27273-f-5-c msd Acquired: 4/9/2012 18:32:24 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05949**	**1.8317**	**1.0211**	**1.1107**	**2.3275**	**.05114**	F **2.1512**	**402.75**	**.10777**	**.49057**
Stddev	.00042	.0086	.0139	.0101	.0035	.00014	.0157	2.04	.00080	.00208
%RSD	.69870	.46857	1.3638	.91418	.14941	.27693	.72797	.50723	.74478	.42303
#1	.05920	1.8256	1.0113	1.1036	2.3300	.05124	2.1402	404.20	.10720	.48910
#2	.05979	1.8377	1.0310	1.1179	2.3250	.05104	2.1623	401.31	.10834	.49204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20372**	**.27383**	**2.0739**	W **177.75**	**1.3144**	**195.95**	**6.2786**	**1.0298**	**104.44**	**.49881**
Stddev	.00120	.00040	.0041	.43	.0025	.65	.1025	.0035	.25	.00142
%RSD	.58842	.14624	.19976	.24209	.19027	.32966	1.6324	.33930	.24305	.28531
#1	.20287	.27412	2.0709	178.05	1.3127	195.50	6.3511	1.0273	104.62	.49781
#2	.20456	.27355	2.0768	177.44	1.3162	196.41	6.2061	1.0323	104.26	.49982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.588**	**.45922**	F **454.39**	**.50137**	**2.2866**	**20.781**	**44.472**	W **2.0218**	**3.1676**	**.97110**
Stddev	.089	.00500	2.94	.00648	.0090	.016	.034	.0092	.0010	.00506
%RSD	.83773	1.0879	.64608	1.2920	.39194	.07733	.07733	.45421	.03127	.52157
#1	10.526	.46276	452.32	.49679	2.2803	20.770	44.447	2.0153	3.1683	.97469
#2	10.651	.45569	456.47	.50595	2.2930	20.793	44.496	2.0283	3.1669	.96752
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		200.00					2.0000		
Low Limit	-1.0000		-.20000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0229**	**1.9210**	**2.1812**	**.53037**	**.55636**	**.45733**
Stddev	.0009	.0101	.0168	.00009	.00410	.00046
%RSD	.08411	.52533	.76983	.01760	.73700	.09965
#1	1.0235	1.9139	2.1693	.53030	.55926	.45701
#2	1.0223	1.9282	2.1931	.53043	.55346	.45766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3631.6**	**56951.**	**5748.9**
Stddev	13.0	59.	37.7
%RSD	.35731	.10399	.65509
#1	3640.7	56909.	5722.3
#2	3622.4	56993.	5775.6

Sample Name: 280-27273-f-1-a Acquired: 4/9/2012 18:34:49 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00132	.01014	.24190	.20872	.22766	.00005	.00117	35.502	.00012	-.00014
Stddev	.00003	.00134	.00178	.00315	.00008	.00007	.00110	.048	.00012	.00017
%RSD	2.5744	13.220	.73584	1.5100	.03728	148.90	93.873	.13582	97.053	120.68
#1	.00129	.01109	.24316	.20650	.22760	.00000	.00194	35.536	.00021	-.00026
#2	.00134	.00920	.24064	.21095	.22772	.00010	.00039	35.468	.00004	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00092	-.00078	1.6773	31.340	.04614	39.798	.10978	.00241	52.809	.00029
Stddev	.00006	.00013	.0028	.046	.00076	.186	.00078	.00090	.131	.00009
%RSD	6.5211	16.501	.16921	.14565	1.6447	.46785	.71284	37.335	.24762	30.819
#1	.00097	-.00069	1.6752	31.308	.04668	39.930	.11033	.00177	52.717	.00036
#2	.00088	-.00088	1.6793	31.373	.04561	39.666	.10923	.00304	52.902	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2252	-.00094	.15675	-.00138	.00022	21.996	47.071	.00065	.26327	.00050
Stddev	.0172	.00101	.00810	.00145	.00172	.059	.127	.00022	.00061	.00012
%RSD	1.4008	106.88	5.1669	105.13	770.31	.26951	.26951	34.522	.23272	23.319
#1	1.2131	-.00023	.15102	-.00241	-.00100	22.038	47.161	.00081	.26284	.00059
#2	1.2374	-.00165	.16247	-.00035	.00144	21.954	46.981	.00049	.26370	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00102	.00267	-.02130	.00040	.00328	.00137
Stddev	.00029	.00093	.00790	.00015	.00023	.00153
%RSD	28.029	34.976	37.079	36.756	7.0376	111.62
#1	.00122	.00333	-.01572	.00029	.00311	.00029
#2	.00082	.00201	-.02689	.00050	.00344	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4018.8	61995.	5982.4
Stddev	36.5	8.	33.0
%RSD	.90917	.01212	.55167
#1	4044.6	61990.	6005.8
#2	3992.9	62000.	5959.1

Sample Name: 280-27273-f-2-a Acquired: 4/9/2012 18:37:11 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.00222**	**.00233**	**.00287**	**.00033**	**.00011**	**.00280**	**.02179**	**-.00030**	**-.00008**
Stddev	.00040	.00082	.00177	.00018	.00033	.00002	.00346	.00293	.00003	.00018
%RSD	28.469	36.928	76.259	6.1944	100.67	20.619	123.57	13.465	8.7010	224.57
#1	.00112	.00280	.00358	.00299	.00009	.00012	.00035	.02386	-.00032	.00005
#2	.00169	.00164	.00107	.00274	.00056	.00009	.00525	.01971	-.00028	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00122**	**.00527**	**.15408**	**-.00145**	**.01054**	**.00011**	**.00023**	**.35525**	**.00025**
Stddev	.00014	.00012	.00073	.02911	.00153	.00121	.00003	.00023	.00063	.00007
%RSD	46.639	10.005	13.802	18.892	105.91	11.483	26.065	98.531	.17737	28.696
#1	.00020	-.00114	.00475	.17466	-.00253	.00968	.00009	.00040	.35480	.00030
#2	.00039	-.00131	.00578	.13350	-.00036	.01139	.00012	.00007	.35570	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00054**	**.07409**	**-.00170**	**.00040**	**.01044**	**.02235**	**-.00027**	**.00013**	**.00074**
Stddev	.00031	.00141	.00163	.00006	.00041	.00466	.00997	.00106	.00003	.00159
%RSD	21.872	261.24	2.2026	3.7558	103.11	44.633	44.633	397.14	26.427	214.67
#1	.00118	-.00046	.07524	-.00166	.00069	.00715	.01529	.00048	.00015	.00187
#2	.00161	.00154	.07293	-.00175	.00011	.01374	.02940	-.00101	.00010	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00039**	**-.01283**	**.00002**	**.00261**	**.00049**
Stddev	.00034	.00144	.00121	.00029	.00052	.00002
%RSD	78.413	369.29	9.4155	1738.8	19.864	3.9807
#1	.00020	-.00063	-.01198	.00022	.00298	.00050
#2	.00068	.00140	-.01369	-.00019	.00225	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4176.9**	**65407.**	**5981.3**
Stddev	39.0	111.	33.8
%RSD	.93370	.17033	.56432
#1	4204.5	65328.	6005.1
#2	4149.4	65486.	5957.4

Sample Name: CCVH-1326164 Acquired: 4/9/2012 18:39:36 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**53.666**	**-.00025**	**.00433**	**.00043**	**.00010**	**.99417**	**-.00141**	**-.00007**	**.00011**	**.00106**	**.00370**
Stddev	.00048	.079	.00175	.00046	.00011	.00002	.00129	.00097	.00001	.00003	.00018	.00027
%RSD	13.483	.14796	695.02	10.691	24.995	19.079	.12995	68.667	16.716	24.868	17.506	7.4085
#1	.00324	53.722	.00099	.00400	.00036	.00009	.99326	-.00073	-.00008	.00009	.00092	.00390
#2	.00392	53.610	-.00149	.00465	.00051	.00012	.99509	-.00210	-.00007	.00013	.00119	.00351
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.185**	**.08051**	**.00131**	**.00009**	**-.00020**	**-.00065**	**265.44**	**.00241**	**.00298**	**-.00048**	**5.0042**	**-.00345**
Stddev	.310	.01265	.00095	.00194	.00004	.00029	.66	.00018	.00018	.00167	.0089	.00118
%RSD	.57162	15.712	72.412	2056.4	18.048	44.650	.24908	7.5279	5.8878	348.70	.17867	34.320
#1	54.404	.08946	.00064	-.00128	-.00017	-.00086	264.97	.00229	.00310	.00070	5.0105	-.00429
#2	53.966	.07157	.00198	.00147	-.00022	-.00045	265.91	.00254	.00285	-.00166	4.9979	-.00261
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00405**	**.00783**	**.01676**	**.00234**	**.00046**	W **4.6673**	**.00457**	**.00276**	W **10.523**	**.00238**	**.00109**	**-.19000**
Stddev	.00296	.00166	.00355	.00030	.00004	.0153	.00033	.00107	.048	.00014	.00009	.00027
%RSD	73.224	21.174	21.174	12.706	8.0294	.32732	7.3204	38.617	.45690	6.0584	8.6869	.14038
#1	-.00614	.00666	.01425	.00213	.00043	4.6565	.00433	.00352	10.489	.00228	.00115	-.18981
#2	-.00195	.00900	.01927	.00255	.00049	4.6781	.00480	.00201	10.557	.00248	.00102	-.19018
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Warn	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3962.5**	**60996.**	**5981.9**
Stddev	17.0	91.	17.6
%RSD	.43015	.14912	.29388
#1	3974.6	61060.	5969.5
#2	3950.5	60932.	5994.3

Sample Name: CCV-1343805 Acquired: 4/9/2012 18:41:56 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52277**	**.51430**	**.94115**	**.49418**	W **.55026**	**.51203**	**.00127**	**5.2093**	**.50654**	**.50133**	**.50416**	**.52515**
Stddev	.00102	.00139	.00035	.00064	.00327	.00325	.00185	.0444	.00027	.00118	.00017	.00046
%RSD	.19462	.27011	.03767	.12961	.59517	.63398	145.18	.85182	.05233	.23598	.03288	.08732
#1	.52205	.51528	.94090	.49373	.55258	.51433	.00258	5.2407	.50635	.50049	.50428	.52483
#2	.52349	.51331	.94140	.49463	.54794	.50974	-.00003	5.1779	.50673	.50216	.50405	.52547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.50000							
Range					10.000%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7481**	**54.042**	**1.0578**	**20.102**	**.51560**	**.49958**	**5.3985**	**.50347**	**.96658**	**.94751**	**.06351**	**.99395**
Stddev	.0192	.331	.0057	.127	.00231	.00097	.0296	.00126	.00358	.00129	.00102	.00372
%RSD	.70016	.61208	.53987	.63415	.44876	.19459	.54847	.25098	.37077	.13576	1.6047	.37414
#1	2.7617	54.276	1.0618	20.012	.51396	.49889	5.4194	.50258	.96911	.94660	.06279	.99658
#2	2.7345	53.808	1.0537	20.193	.51724	.50026	5.3775	.50437	.96404	.94842	.06423	.99132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0489**	**5.1450**	**11.010**	**1.0237**	**.53755**	**.01456**	**.49692**	**1.0534**	**-.01278**	**.50994**	**.48641**	**.48864**
Stddev	.0060	.0012	.002	.0044	.00367	.00086	.00294	.0035	.00878	.00207	.00632	.00076
%RSD	.57632	.02265	.02265	.42942	.68292	5.8783	.59135	.32952	68.731	.40555	1.2989	.15521
#1	1.0447	5.1458	11.012	1.0205	.54015	.01395	.49484	1.0509	-.01899	.50848	.48195	.48918
#2	1.0532	5.1442	11.009	1.0268	.53495	.01516	.49900	1.0558	-.00657	.51140	.49088	.48811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4054.0**	**63304.**	**6039.4**
Stddev	6.2	161.	11.5
%RSD	.15208	.25501	.19074
#1	4058.3	63418.	6047.5
#2	4049.6	63190.	6031.2

Sample Name: CCB Acquired: 4/9/2012 18:44:07 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00173**	**.00082**	**.00171**	**.00232**	**.00003**	**.00018**	**-.00099**	**-.00253**	**-.00003**	**-.00001**	**.00006**
Stddev	.00001	.00006	.00237	.00017	.00021	.00002	.00064	.00557	.00009	.00013	.00007
%RSD	.81342	7.8324	138.49	7.2706	673.05	11.021	64.620	219.75	346.71	1194.9	123.92
#1	.00172	.00078	.00339	.00220	-.00012	.00017	-.00144	-.00647	-.00009	-.00010	.00001
#2	.00174	.00087	.00004	.00244	.00018	.00020	-.00054	.00140	.00004	.00008	.00011
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00243**	**.00206**	**.07733**	**.00090**	**.00356**	**.00009**	**.00087**	F **.23190**	**.00043**	**.00140**	**.00057**
Stddev	.00003	.00053	.03992	.00101	.00028	.00003	.00040	.00326	.00002	.00015	.00034
%RSD	1.3184	25.737	51.628	111.70	7.7867	28.359	45.354	1.4073	3.8650	10.838	59.534
#1	-.00241	.00168	.04910	.00019	.00376	.00011	.00059	.23421	.00042	.00151	.00081
#2	-.00245	.00243	.10556	.00161	.00337	.00008	.00115	.22959	.00044	.00129	.00033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05625**	**.00060**	**-.00243**	**-.00199**	**-.00426**	**.00121**	**.00010**	**.00159**	**.00035**	**.00068**	**-.01178**
Stddev	.00085	.00153	.00540	.00687	.01470	.00016	.00007	.00181	.00019	.00041	.01032
%RSD	1.5182	256.38	222.24	344.81	344.81	13.155	67.589	113.65	54.221	60.146	87.667
#1	.05685	-.00049	.00139	.00287	.00613	.00110	.00005	.00031	.00048	.00039	-.00448
#2	.05564	.00168	-.00625	-.00685	-.01466	.00133	.00015	.00287	.00021	.00098	-.01908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00006**	**.00180**	**-.00021**
Stddev	.00013	.00022	.00141
%RSD	211.27	12.035	678.98
#1	.00003	.00164	-.00120
#2	-.00015	.00195	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4092.8**	**64685.**	**5886.6**
Stddev	6.0	174.	21.7
%RSD	.14582	.26904	.36795
#1	4097.0	64562.	5871.3
#2	4088.6	64808.	5902.0

Sample Name: CCVL1351092 Acquired: 4/9/2012 18:46:32 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01179**	**.10448**	**.01245**	**.09361**	**.01137**	**.00117**	**.10638**	**.21713**	**.00511**	**.01032**	**.01039**	**.01384**	**.11577**
Stddev	.00027	.00016	.00127	.00026	.00019	.00002	.00048	.00073	.00011	.00007	.00018	.00020	.00064
%RSD	2.2919	.14889	10.227	.27334	1.6912	1.7613	.44667	.33639	2.0617	.65933	1.7153	1.4476	.55499
#1	.01160	.10459	.01336	.09379	.01151	.00115	.10671	.21661	.00504	.01037	.01052	.01398	.11532
#2	.01198	.10437	.01155	.09342	.01124	.00118	.10604	.21765	.00519	.01027	.01027	.01369	.11622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5239**	**.01003**	**.20396**	**.01062**	**.01950**	F **1.3300**	**.04132**	**2.6837**	**.00914**	**.05496**	**.01016**	F **.00906**	**.52452**
Stddev	.0039	.00029	.00157	.00005	.00004	.0042	.00032	.0001	.00069	.00256	.00170	.00086	.01191
%RSD	.10995	2.8670	.77176	.46647	.20556	.31898	.78633	.00192	7.5605	4.6578	16.688	9.4925	2.2704
#1	3.5266	.00983	.20508	.01066	.01953	1.3270	.04154	2.6837	.00963	.05677	.00896	.00967	.51610
#2	3.5212	.01024	.20285	.01059	.01947	1.3330	.04109	2.6837	.00865	.05315	.01136	.00845	.53294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value						1.0000						.01500	
Range						30.000%						-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1225**	**.10334**	**.01130**	**.01607**	**.00999**	**.01710**	**.04688**	**.01018**	**.02080**	**.01531**
Stddev	.0255	.00021	.00013	.00073	.00017	.00010	.00924	.00010	.00060	.00158
%RSD	2.2704	.20117	1.1785	4.5353	1.7489	.57673	19.712	1.0288	2.8677	10.322
#1	1.1045	.10320	.01120	.01556	.00986	.01717	.05342	.01010	.02038	.01643
#2	1.1405	.10349	.01139	.01659	.01011	.01703	.04035	.01025	.02122	.01419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4105.6**	**65226.**	**5876.1**
Stddev	2.6	51.	2.9
%RSD	.06291	.07812	.04916
#1	4103.8	65190.	5874.1
#2	4107.4	65262.	5878.2

Sample Name: 280-27273-f-3-a Acquired: 4/9/2012 18:48:54 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00241**	**.37079**	**.34977**	**.17566**	**.00011**	**.00171**	**23.755**	**-.00004**	**-.00044**
Stddev	.00034	.00048	.00109	.00232	.00223	.00002	.00058	.327	.00003	.00002
%RSD	27.036	19.997	.29351	.66245	1.2721	14.610	33.947	1.3773	67.945	4.3822
#1	.00103	.00275	.37002	.34813	.17724	.00012	.00212	23.986	-.00002	-.00043
#2	.00152	.00207	.37156	.35141	.17408	.00010	.00130	23.523	-.00006	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00132**	**1.5768**	**31.965**	**.05063**	**31.108**	**.07342**	**-.00025**	**104.10**	**.00026**
Stddev	.00012	.00048	.0337	.356	.00070	.116	.00025	.00014	2.03	.00010
%RSD	22.142	36.560	2.1396	1.1152	1.3860	.37318	.34314	58.675	1.9531	36.310
#1	.00047	-.00166	1.6007	32.217	.05113	31.190	.07360	-.00014	105.53	.00033
#2	.00064	-.00098	1.5530	31.713	.05013	31.026	.07324	-.00035	102.66	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4612**	**.00116**	**.16881**	**-.00130**	**.00253**	**22.158**	**47.419**	**.00007**	**.19980**	**-.00108**
Stddev	.0028	.00046	.00324	.00106	.00060	.390	.834	.00058	.00285	.00022
%RSD	.19384	39.825	1.9180	81.428	23.857	1.7583	1.7583	826.33	1.4260	19.915
#1	1.4592	.00148	.17110	-.00055	.00211	22.434	48.008	.00048	.20182	-.00124
#2	1.4632	.00083	.16652	-.00205	.00296	21.883	46.829	-.00034	.19779	-.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00237**	**-.00283**	**.00057**	**.00309**	**.00194**
Stddev	.00022	.00110	.00076	.00018	.00007	.00012
%RSD	33.409	46.483	26.756	30.868	2.3950	6.0532
#1	.00083	.00315	-.00230	.00044	.00304	.00186
#2	.00051	.00159	-.00337	.00069	.00314	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3994.5**	**62145.**	**5906.0**
Stddev	.3	126.	29.6
%RSD	.00694	.20269	.50204
#1	3994.7	62056.	5885.0
#2	3994.3	62234.	5927.0

Sample Name: 280-27273-f-4-a Acquired: 4/9/2012 18:51:16 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00224**	**.29021**	**.25022**	**.18923**	**.00005**	**.00014**	**30.134**	**.00015**	**-.00007**
Stddev	.00065	.00008	.00179	.00081	.00134	.00005	.00013	.100	.00002	.00007
%RSD	52.331	3.6498	.61685	.32276	.70565	92.906	93.975	.33286	13.287	100.98
#1	.00171	.00218	.29148	.25079	.18828	.00002	.00023	30.063	.00017	-.00002
#2	.00079	.00230	.28895	.24965	.19017	.00009	.00005	30.205	.00014	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00095**	**1.8891**	**32.646**	**.04429**	**37.788**	**.13659**	**-.00033**	**62.224**	**.00015**
Stddev	.00001	.00015	.0221	.087	.00101	.172	.00008	.00021	.041	.00014
%RSD	2.5258	15.560	1.1702	.26563	2.2813	.45601	.06090	63.388	.06649	93.556
#1	.00035	-.00085	1.8734	32.585	.04357	37.909	.13665	-.00048	62.194	.00005
#2	.00037	-.00106	1.9047	32.708	.04500	37.666	.13653	-.00018	62.253	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4853**	**.00031**	**.13584**	**-.00111**	**.00041**	**22.949**	**49.111**	**-.00027**	**.22321**	**-.00045**
Stddev	.0089	.00036	.00025	.00026	.00192	.089	.191	.00101	.00107	.00007
%RSD	.60122	115.94	.18516	23.763	468.10	.38854	.38854	368.10	.48024	16.036
#1	1.4916	.00006	.13566	-.00092	-.00095	22.886	48.976	-.00099	.22245	-.00050
#2	1.4789	.00056	.13602	-.00130	.00176	23.012	49.246	.00044	.22397	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00275**	**-.00310**	**.00069**	**.00220**	**.00130**
Stddev	.00012	.00035	.00772	.00031	.00018	.00035
%RSD	19.557	12.807	249.41	45.604	8.1001	26.980
#1	.00068	.00250	.00236	.00047	.00232	.00155
#2	.00052	.00300	-.00856	.00091	.00207	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3973.6**	**62273.**	**6025.1**
Stddev	11.6	45.	69.0
%RSD	.29154	.07194	1.1453
#1	3981.8	62304.	6073.9
#2	3965.4	62241.	5976.3

Sample Name: 280-27273-f-7-a Acquired: 4/9/2012 18:53:37 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00029**	**.01091**	**.73657**	**.30318**	**.00007**	**-.00404**	W **977.80**	**.00083**	**.00322**
Stddev	.00086	.00046	.00365	.00417	.00144	.00002	.00059	4.44	.00003	.00013
%RSD	66.771	160.32	33.431	.56647	.47503	35.265	14.573	.45393	4.0300	3.9274
#1	.00068	.00062	.00833	.73952	.30216	.00009	-.00445	980.94	.00081	.00313
#2	.00189	-.00004	.01349	.73361	.30420	.00005	-.00362	974.66	.00086	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00146**	**.00139**	**.05085**	W **123.33**	**.43399**	**466.48**	**.73522**	**.01083**	**96.828**	**.00494**
Stddev	.00023	.00039	.00348	.53	.00186	3.94	.00081	.00037	.271	.00002
%RSD	15.680	28.350	6.8446	.42982	.42854	.84553	.10998	3.4043	.28019	.42794
#1	.00130	.00167	.04839	122.96	.43267	469.27	.73579	.01109	96.637	.00493
#2	.00162	.00111	.05331	123.71	.43530	463.70	.73465	.01057	97.020	.00496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11447**	**.00587**	**162.89**	**-.00740**	**.00748**	**28.233**	**60.418**	**.00053**	W **7.4179**	**-.00304**
Stddev	.00271	.00083	.85	.00238	.00201	.046	.098	.00029	.0176	.00249
%RSD	2.3666	14.140	.52459	32.144	26.930	.16254	.16254	54.702	.23706	82.026
#1	.11256	.00645	163.50	-.00908	.00890	28.265	60.487	.00074	7.4055	-.00480
#2	.11639	.00528	162.29	-.00572	.00606	28.200	60.348	.00033	7.4303	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00204**	**.03053**	**.00298**	**.00241**	**.00180**
Stddev	.00012	.00018	.02776	.00024	.00054	.00160
%RSD	14.962	8.5636	90.925	8.1482	22.372	89.192
#1	.00069	.00217	.05015	.00281	.00279	.00066
#2	.00086	.00192	.01090	.00315	.00203	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3363.1**	**53062.**	**5556.9**
Stddev	13.3	84.	28.6
%RSD	.39621	.15847	.51513
#1	3353.6	53002.	5577.1
#2	3372.5	53121.	5536.6

Sample Name: 280-27273-f-8-a Acquired: 4/9/2012 18:56:15 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.00070**	**.00344**	**.73957**	**.30278**	**.00009**	**-.00238**	W **965.95**	**.00076**	**.00313**
Stddev	.00005	.00020	.00234	.00900	.00126	.00008	.00147	16.38	.00003	.00022
%RSD	3.4493	28.567	68.132	1.2167	.41575	92.635	61.747	1.6953	4.2172	7.0432
#1	.00137	.00084	.00178	.74594	.30189	.00014	-.00134	977.53	.00078	.00328
#2	.00144	.00056	.00509	.73321	.30367	.00003	-.00343	954.37	.00074	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00177**	**.04717**	W **119.94**	**.43101**	**461.35**	**.72183**	**.01104**	**96.550**	**.00481**
Stddev	.00003	.00022	.00061	.39	.00073	5.33	.00302	.00033	.528	.00037
%RSD	2.2394	12.686	1.2924	.32173	.16989	1.1550	.41808	2.9710	.54713	7.7296
#1	.00128	.00193	.04760	119.66	.43049	457.58	.72397	.01127	96.176	.00508
#2	.00132	.00161	.04674	120.21	.43152	465.12	.71970	.01081	96.923	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11048**	**.00609**	**158.07**	**-.00673**	**.00620**	**28.253**	**60.461**	**-.00055**	W **7.3096**	**-.00315**
Stddev	.00113	.00074	1.64	.00350	.00185	.073	.157	.00096	.1049	.00003
%RSD	1.0223	12.155	1.0397	52.005	29.814	.25894	.25894	175.61	1.4345	.90664
#1	.10968	.00662	159.23	-.00425	.00489	28.305	60.572	.00013	7.3837	-.00313
#2	.11128	.00557	156.91	-.00920	.00750	28.201	60.350	-.00123	7.2354	-.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00326**	**.02103**	**.00312**	**.00241**	**.00135**
Stddev	.00006	.00180	.00190	.00015	.00016	.00064
%RSD	8.2627	55.260	9.0381	4.6864	6.4730	47.272
#1	.00082	.00453	.01969	.00301	.00252	.00180
#2	.00073	.00199	.02238	.00322	.00230	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3372.0**	**53136.**	**5563.5**
Stddev	24.0	56.	28.7
%RSD	.71085	.10470	.51611
#1	3355.1	53097.	5543.2
#2	3389.0	53175.	5583.8

Sample Name: 280-27273-f-9-a Acquired: 4/9/2012 18:58:51 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00056**	**.02672**	**1.0563**	**.05008**	**.00001**	**.00239**	**138.30**	**.00044**	**.00069**
Stddev	.00030	.00019	.00362	.0008	.00061	.00003	.00045	.34	.00005	.00016
%RSD	24.102	33.376	13.553	.07661	1.2184	235.65	18.707	.24637	10.351	23.372
#1	.00146	.00069	.02416	1.0557	.04965	.00003	.00271	138.06	.00048	.00080
#2	.00104	.00043	.02928	1.0569	.05051	-.00001	.00208	138.54	.00041	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00133**	**.00471**	W **227.26**	**.35350**	**157.72**	**.49811**	**.01748**	**240.08**	**.00321**
Stddev	.00008	.00044	.00059	1.67	.00088	1.83	.00522	.00029	2.55	.00019
%RSD	54.959	33.281	12.475	.73506	.24901	1.1613	1.0476	1.6418	1.0618	5.8435
#1	.00020	.00102	.00512	226.08	.35288	156.42	.49442	.01769	238.28	.00307
#2	.00009	.00164	.00429	228.44	.35413	159.01	.50180	.01728	241.89	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37469**	**.00067**	F **266.17**	**-.00405**	**.00919**	**14.092**	**30.156**	**-.00011**	**1.5876**	**-.00109**
Stddev	.00191	.00053	.05	.00239	.00264	.037	.078	.00009	.0164	.00353
%RSD	.50921	77.986	.02011	58.915	28.667	.25972	.25972	82.978	1.0356	324.04
#1	.37334	.00104	266.21	-.00237	.00733	14.066	30.101	-.00004	1.5759	-.00359
#2	.37604	.00030	266.14	-.00574	.01106	14.118	30.212	-.00017	1.5992	.00141
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00406**	**.01215**	**.00466**	**.00270**	**.00104**
Stddev	.00023	.00197	.02675	.00022	.00030	.00101
%RSD	41.733	48.663	220.13	4.7683	11.027	96.531
#1	.00070	.00545	.03107	.00482	.00249	.00176
#2	.00038	.00266	-.00676	.00451	.00291	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3681.0**	**57837.**	**5883.3**
Stddev	3.7	443.	26.4
%RSD	.10088	.76630	.44926
#1	3683.7	58150.	5902.0
#2	3678.4	57524.	5864.6

Sample Name: 280-27273-f-10-a Acquired: 4/9/2012 19:01:11 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.01607**	**.05606**	**.47366**	**.41006**	**.00010**	**.00221**	**67.811**	**.00029**	**.00021**
Stddev	.00019	.00015	.00076	.00097	.00515	.00005	.00040	1.137	.00008	.00009
%RSD	14.638	.94306	1.3641	.20468	1.2553	48.039	17.983	1.6766	27.799	40.820
#1	.00146	.01617	.05552	.47435	.40642	.00007	.00193	67.007	.00035	.00015
#2	.00119	.01596	.05661	.47298	.41370	.00014	.00249	68.615	.00024	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00036**	**3.2350**	**87.782**	**.11711**	**95.670**	**.29000**	**.00967**	**138.65**	**.00044**
Stddev	.00011	.00009	.0304	.912	.00169	1.454	.00418	.00035	2.05	.00016
%RSD	19.567	24.173	.93927	1.0392	1.4453	1.5204	1.4425	3.6068	1.4756	36.459
#1	.00048	-.00030	3.2135	87.137	.11591	96.698	.29295	.00942	137.21	.00033
#2	.00064	-.00043	3.2565	88.427	.11831	94.641	.28704	.00991	140.10	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1531**	**.00093**	**105.48**	**-.00018**	**.00069**	**17.158**	**36.718**	**-.00122**	**.82278**	**-.00113**
Stddev	.0079	.00180	.45	.00240	.00118	.217	.463	.00040	.00997	.00007
%RSD	.68192	193.90	.43056	1356.4	169.45	1.2620	1.2620	32.309	1.2117	5.7915
#1	1.1476	.00221	105.80	-.00187	-.00014	17.005	36.391	-.00150	.81573	-.00108
#2	1.1587	-.00035	105.16	.00152	.00152	17.311	37.046	-.00094	.82983	-.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00267**	**.00152**	**.00128**	**.00252**	**.00145**
Stddev	.00008	.00031	.01393	.00054	.00006	.00058
%RSD	14.150	11.507	915.68	41.986	2.5342	40.001
#1	.00048	.00246	-.00833	.00166	.00247	.00104
#2	.00058	.00289	.01137	.00090	.00256	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3820.7**	**59836.**	**5990.5**
Stddev	8.9	726.	88.9
%RSD	.23299	1.2135	1.4844
#1	3814.4	59323.	6053.4
#2	3827.0	60350.	5927.7

Sample Name: 280-27273-f-11-a Acquired: 4/9/2012 19:03:32 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**.00108**	**-.00014**	**.00150**	**.00005**	**.00007**	**.00363**	**.01940**	**-.00007**	**.00011**
Stddev	.00023	.00002	.00002	.00034	.00019	.00008	.00191	.00156	.00001	.00003
%RSD	17.370	1.8382	11.321	22.382	387.89	113.44	52.584	8.0576	20.357	25.881
#1	.00151	.00106	-.00015	.00174	.00018	.00013	.00228	.01829	-.00008	.00009
#2	.00118	.00109	-.00013	.00126	-.00008	.00001	.00498	.02050	-.00006	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00211**	**.00355**	**.18404**	**-.00049**	**.00429**	**.00001**	**-.00017**	**.34140**	**.00018**
Stddev	.00019	.00029	.00050	.00921	.00119	.00115	.00004	.00013	.00370	.00006
%RSD	205.91	13.765	13.982	5.0054	245.97	26.914	311.51	81.268	1.0838	30.850
#1	-.00004	-.00190	.00320	.17753	-.00133	.00510	-.00002	-.00026	.34401	.00022
#2	.00023	-.00232	.00390	.19055	.00036	.00347	.00005	-.00007	.33878	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.00098**	**.04378**	**-.00133**	**-.00477**	**-.01325**	**-.02835**	**.00032**	**.00006**	**.00058**
Stddev	.00036	.00013	.00627	.00031	.00204	.00601	.01285	.00130	.00006	.00125
%RSD	14.993	13.792	14.327	23.468	42.762	45.338	45.338	409.36	113.68	216.95
#1	.00214	.00088	.03935	-.00111	-.00621	-.01749	-.03743	.00123	.00010	-.00031
#2	.00265	.00107	.04822	-.00155	-.00333	-.00900	-.01926	-.00060	.00001	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00082**	**.00346**	**.00005**	**.00259**	**.00148**
Stddev	.00007	.00118	.01157	.00023	.00030	.00223
%RSD	20.163	144.15	334.09	461.93	11.719	150.58
#1	.00030	.00165	.01165	-.00011	.00237	-.00010
#2	.00040	-.00002	-.00472	.00021	.00280	.00306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4101.7**	**65270.**	**5981.6**
Stddev	11.2	33.	8.1
%RSD	.27419	.05095	.13529
#1	4093.7	65247.	5975.9
#2	4109.6	65294.	5987.4

Sample Name: 280-27273-f-12-a Acquired: 4/9/2012 19:05:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00765**	**.12816**	**.89131**	**.31185**	**.00006**	**-.00027**	**56.270**	**.00047**	**-.00021**
Stddev	.00018	.00003	.00002	.00390	.00381	.00001	.00071	.812	.00022	.00010
%RSD	12.638	.34856	.01281	.43764	1.2226	21.755	265.85	1.4432	46.152	48.667
#1	.00130	.00767	.12815	.88856	.31455	.00005	-.00077	56.844	.00032	-.00014
#2	.00156	.00763	.12817	.89407	.30916	.00007	.00024	55.696	.00062	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00005**	**.35588**	**85.094**	**.13611**	**83.480**	**.13610**	**.01406**	**236.08**	**.00078**
Stddev	.00027	.00003	.00547	1.182	.00299	.367	.00007	.00017	3.54	.00030
%RSD	36.890	61.877	1.5375	1.3889	2.1986	.43923	.05106	1.1827	1.5005	38.854
#1	.00054	-.00003	.35975	85.930	.13822	83.221	.13605	.01394	238.58	.00099
#2	.00093	-.00007	.35201	84.258	.13399	83.739	.13614	.01418	233.57	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3485**	**.00038**	**95.103**	**-.00200**	**.00559**	**21.450**	**45.903**	**-.00067**	**.75390**	**-.00147**
Stddev	.0007	.00054	.212	.00047	.00353	.333	.712	.00017	.00854	.00162
%RSD	.05061	141.95	.22288	23.572	63.225	1.5515	1.5515	24.852	1.1332	110.45
#1	1.3480	.00077	94.953	-.00233	.00309	21.685	46.407	-.00055	.75994	-.00262
#2	1.3489	.00000	95.252	-.00166	.00808	21.215	45.399	-.00079	.74786	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00247**	**.00675**	**.00168**	**.00325**	**.00135**
Stddev	.00008	.00049	.00181	.00001	.00003	.00024
%RSD	7.5308	19.686	26.853	.62491	.89542	18.073
#1	.00118	.00212	.00803	.00168	.00323	.00118
#2	.00106	.00281	.00547	.00169	.00327	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3813.5**	**59096.**	**5870.2**
Stddev	6.3	349.	73.5
%RSD	.16549	.59089	1.2519
#1	3817.9	59343.	5818.3
#2	3809.0	58849.	5922.2

Sample Name: 280-27273-f-13-a Acquired: 4/9/2012 19:08:18 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.00125**	**.02974**	**.79185**	**.12299**	**.00000**	**.00159**	**92.163**	**.00043**	**.00007**
Stddev	.00025	.00028	.00134	.00103	.00080	.0000	.00170	.545	.00010	.00010
%RSD	17.397	22.607	4.5140	.12974	.64692	530.84	107.08	.59150	24.358	148.20
#1	.00165	.00144	.02879	.79258	.12242	-.00001	.00279	91.778	.00050	.00000
#2	.00129	.00105	.03069	.79113	.12355	.00000	.00039	92.548	.00035	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00009**	**.00677**	W **222.58**	**.25564**	**122.21**	**.08134**	**.00807**	**139.68**	**.00172**
Stddev	.00010	.00042	.00195	.81	.00068	1.71	.00111	.00017	.41	.00020
%RSD	17.388	469.36	28.779	.36543	.26792	1.3972	1.3626	2.1311	.29538	11.788
#1	.00067	-.00021	.00539	222.00	.25612	121.00	.08055	.00795	139.39	.00158
#2	.00052	.00038	.00815	223.15	.25515	123.42	.08212	.00819	139.97	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31480**	**.00109**	**122.10**	**-.00112**	**.01459**	**19.030**	**40.723**	**-.00040**	**1.3073**	**-.00040**
Stddev	.00057	.00028	.13	.00182	.00324	.040	.086	.00032	.0061	.00161
%RSD	.17965	25.399	.10777	162.65	22.223	.21159	.21159	79.512	.46577	400.63
#1	.31440	.00090	122.19	.00017	.01688	19.001	40.662	-.00062	1.3030	-.00154
#2	.31520	.00129	122.00	-.00240	.01230	19.058	40.784	-.00017	1.3116	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00250**	**.00432**	**.00665**	**.00260**	**.00078**
Stddev	.00012	.00194	.01754	.00031	.00020	.00153
%RSD	22.369	77.605	406.01	4.6044	7.8177	195.96
#1	.00043	.00387	.01672	.00686	.00246	-.00030
#2	.00060	.00113	-.00808	.00643	.00274	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3763.6**	**58594.**	**5840.9**
Stddev	5.0	426.	5.2
%RSD	.13182	.72686	.08868
#1	3767.1	58895.	5844.6
#2	3760.1	58293.	5837.2

Sample Name: 280-27273-f-14-a Acquired: 4/9/2012 19:10:39 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00287**	**.01200**	**1.2904**	**.08134**	**.00004**	**.00078**	**172.35**	**.00063**	**.00021**
Stddev	.00018	.00027	.00166	.0052	.00002	.00002	.00307	.37	.00015	.00000
%RSD	12.566	9.3338	13.822	.39940	.03035	38.736	395.55	.21267	23.960	.51904
#1	.00155	.00268	.01082	1.2868	.08136	.00006	-.00139	172.61	.00074	.00021
#2	.00130	.00306	.01317	1.2941	.08132	.00003	.00294	172.10	.00053	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**.00067**	**.02321**	W **104.14**	**.21359**	**132.10**	**.01744**	**.00572**	**95.697**	**.00267**
Stddev	.00022	.00002	.00005	.72	.00085	1.67	.00019	.00005	.536	.00006
%RSD	10.718	2.3358	.22135	.69055	.39732	1.2642	1.0999	.91281	.56008	2.3610
#1	.00218	.00065	.02317	104.65	.21419	130.91	.01730	.00576	96.076	.00263
#2	.00187	.00068	.02325	103.64	.21299	133.28	.01757	.00569	95.318	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11521**	**.00129**	W **194.42**	**-.00334**	**.05474**	**24.828**	**53.132**	**-.00152**	**1.9546**	**-.00211**
Stddev	.00068	.00007	.69	.00148	.00116	.063	.135	.00021	.0098	.00141
%RSD	.58751	5.4409	.35640	44.277	2.1227	.25347	.25347	13.538	.50147	66.838
#1	.11473	.00134	193.93	-.00438	.05392	24.873	53.227	-.00138	1.9615	-.00311
#2	.11569	.00124	194.91	-.00229	.05556	24.784	53.037	-.00167	1.9476	-.00111
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00241**	**.02698**	**.00569**	**.00373**	**.00145**
Stddev	.00009	.00127	.00249	.00051	.00026	.00061
%RSD	14.068	52.587	9.2153	9.0012	6.8891	42.072
#1	.00069	.00331	.02874	.00605	.00355	.00188
#2	.00056	.00151	.02522	.00533	.00391	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3767.8**	**59286.**	**5826.7**
Stddev	7.2	412.	42.4
%RSD	.19187	.69563	.72695
#1	3773.0	59577.	5796.8
#2	3762.7	58994.	5856.7

Sample Name: CCVH-1326164 Acquired: 4/9/2012 19:13:00 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**53.705**	**-.00495**	**.00421**	**.00046**	**.00009**	**.98801**	**.00918**	**-.00009**	**.00006**	**.00132**	**.00324**
Stddev	.00011	.194	.00295	.00016	.00016	.00001	.00441	.00565	.00012	.00015	.00018	.00060
%RSD	2.9188	.36174	59.599	3.7497	35.291	10.424	.44607	61.595	132.11	264.43	13.489	18.487
#1	.00357	53.842	-.00704	.00410	.00058	.00008	.98490	.00518	-.00001	.00017	.00144	.00282
#2	.00372	53.568	-.00286	.00432	.00035	.00010	.99113	.01317	-.00018	-.00005	.00119	.00366
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.877**	**.23665**	**-.00229**	**.00614**	**-.00023**	**-.00073**	**266.23**	**.00209**	**.00254**	**-.00424**	**4.8912**	**-.00200**
Stddev	.016	.05027	.00003	.00310	.00011	.00008	1.60	.00041	.00244	.00084	.0035	.00181
%RSD	.02885	21.244	1.3917	50.478	49.471	10.994	.60094	19.738	96.277	19.842	.07109	90.772
#1	53.866	.27220	-.00226	.00833	-.00015	-.00067	267.36	.00239	.00426	-.00484	4.8888	-.00328
#2	53.888	.20110	-.00231	.00395	-.00031	-.00078	265.10	.00180	.00081	-.00365	4.8937	-.00072
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00439**	**.00752**	**.01610**	**.00244**	**.00045**	W **4.6599**	**.00527**	**.00077**	W **10.582**	**.00236**	**.00079**	**-.18900**
Stddev	.00166	.00376	.00805	.00120	.00007	.0987	.00012	.00009	.209	.00061	.00008	.00583
%RSD	37.903	50.017	50.017	49.352	16.133	2.1177	2.2981	11.451	1.9743	25.627	10.704	3.0834
#1	-.00557	.00486	.01040	.00329	.00050	4.5901	.00519	.00071	10.434	.00279	.00073	-.18488
#2	-.00321	.01018	.02179	.00159	.00039	4.7297	.00536	.00084	10.730	.00193	.00085	-.19313
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Warn	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3950.7**	**60445.**	**5989.6**
Stddev	23.4	766.	16.8
%RSD	.59240	1.2679	.27977
#1	3967.2	60987.	6001.5
#2	3934.1	59903.	5977.8

Sample Name: CCV-1343805 Acquired: 4/9/2012 19:15:21 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51937**	**.49773**	**.92213**	**.48843**	F **.56038**	**.51950**	**.00108**	**5.3149**	**.50134**	**.49621**	**.49998**	**.52041**	F **2.7974**
Stddev	.00093	.00127	.00166	.00057	.00006	.00053	.00188	.0176	.00065	.00133	.00152	.00004	.0199
%RSD	.17943	.25446	.18030	.11663	.01012	.10258	174.59	.33080	.13038	.26870	.30463	.00701	.71139
#1	.51871	.49683	.92330	.48803	.56034	.51988	-.00025	5.3273	.50087	.49527	.49890	.52044	2.8115
#2	.52003	.49862	.92095	.48884	.56042	.51913	.00241	5.3024	.50180	.49716	.50106	.52039	2.7834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value					.50000								2.5000
Range					10.490%								10.490%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.997**	**1.0766**	**19.885**	**.51233**	**.49590**	**5.4447**	**.49772**	**.95041**	**.93245**	**.03583**	**.97633**	**1.0333**	**5.2423**
Stddev	.026	.0008	.171	.00387	.00043	.0145	.00110	.00050	.00218	.00001	.00078	.0001	.0099
%RSD	.04659	.07677	.85781	.75467	.08577	.26649	.22038	.05213	.23361	.03447	.07977	.01495	.18834
#1	55.015	1.0760	19.765	.50959	.49620	5.4550	.49694	.95006	.93091	.03582	.97688	1.0334	5.2353
#2	54.979	1.0772	20.006	.51506	.49560	5.4344	.49849	.95076	.93399	.03584	.97578	1.0332	5.2492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.218**	**1.0131**	**.54712**	**.01443**	**.49395**	**1.0469**	**-.01670**	**.50795**	**.48241**	**.49563**
Stddev	.021	.0025	.00031	.00025	.00324	.0023	.00794	.00360	.00527	.00043
%RSD	.18834	.24835	.05650	1.7410	.65669	.21688	47.511	.70891	1.0934	.08735
#1	11.203	1.0113	.54690	.01425	.49166	1.0453	-.02232	.50541	.47868	.49532
#2	11.233	1.0148	.54734	.01460	.49624	1.0485	-.01109	.51050	.48614	.49594
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4054.9**	**62943.**	**5922.4**
Stddev	.7	199.	15.9
%RSD	.01610	.31617	.26899
#1	4054.4	63084.	5933.6
#2	4055.3	62802.	5911.1

Sample Name: CCB Acquired: 4/9/2012 19:17:32 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00117**	**.00028**	**.00091**	**.00243**	**-.00003**	**.00007**	**.00003**	**-.00229**	**.00000**	**-.00002**	**.00006**
Stddev	.00026	.00010	.00376	.00002	.00012	.00007	.00053	.00104	.00003	.00028	.00010
%RSD	22.575	34.312	411.19	.82923	403.72	100.75	1753.4	45.268	6328.5	1815.1	168.24
#1	.00098	.00021	.00357	.00245	-.00012	.00012	.00040	-.00302	-.00002	.00018	-.00001
#2	.00136	.00035	-.00174	.00242	.00006	.00002	-.00034	-.00155	.00002	-.00021	.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00229**	**.00016**	**.12441**	**-.00056**	**.00104**	**.00006**	**.00065**	F **.22612**	**.00019**	**.00241**	**.00106**
Stddev	.00035	.00161	.00905	.00050	.00049	.00002	.00033	.00435	.00019	.00024	.00079
%RSD	15.383	983.65	7.2713	88.872	46.728	27.286	50.872	1.9249	102.36	10.024	74.264
#1	-.00254	.00130	.11802	-.00021	.00138	.00005	.00042	.22304	.00005	.00258	.00050
#2	-.00204	-.00097	.13081	-.00091	.00070	.00007	.00089	.22920	.00032	.00224	.00161
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03187**	**.00049**	**-.00194**	**-.00108**	**-.00230**	**.00072**	**.00003**	**-.00024**	**.00060**	**-.00014**	**-.00381**
Stddev	.00105	.00090	.00186	.01992	.04262	.00047	.00002	.00040	.00010	.00093	.02197
%RSD	3.2959	182.13	95.794	1852.2	1852.2	64.567	59.824	167.33	16.804	652.90	577.35
#1	.03261	-.00014	-.00063	-.01516	-.03244	.00105	.00004	-.00052	.00067	-.00080	-.01934
#2	.03113	.00113	-.00325	.01301	.02783	.00039	.00002	.00004	.00052	.00052	.01173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00013**	**.00130**	**-.00088**
Stddev	.00004	.00010	.00069
%RSD	28.366	8.0568	78.027
#1	-.00016	.00123	-.00137
#2	-.00011	.00137	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4083.2**	**64145.**	**5841.9**
Stddev	.5	159.	6.8
%RSD	.01324	.24716	.11650
#1	4083.6	64032.	5846.7
#2	4082.8	64257.	5837.1

Sample Name: CCVL1351092 Acquired: 4/9/2012 19:19:56 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.10431**	**.01340**	**.09239**	**.01127**	**.00108**	**.10456**	**.21355**	**.00496**	**.01021**	**.01053**	**.01370**	**.11533**
Stddev	.00007	.00140	.00109	.00082	.00046	.00005	.00111	.00006	.00007	.00028	.00008	.00000	.00119
%RSD	.57701	1.3443	8.1408	.88421	4.0787	4.1799	1.0586	.02977	1.4462	2.7548	.76376	.02858	1.0281
#1	.01152	.10332	.01418	.09181	.01159	.00105	.10378	.21350	.00491	.01041	.01059	.01369	.11617
#2	.01143	.10531	.01263	.09297	.01094	.00111	.10535	.21359	.00501	.01001	.01048	.01370	.11450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5181**	**.00998**	**.20335**	**.01060**	**.01971**	F **1.3111**	**.04122**	**2.6781**	**.00957**	**.02714**	**.00823**	F **.00803**	**.50676**
Stddev	.0179	.00041	.00183	.00002	.00046	.0043	.00001	.0128	.00028	.00124	.00021	.00176	.00945
%RSD	.50862	4.1572	.89748	.17974	2.3130	.33197	.02770	.47858	2.8945	4.5561	2.5296	21.881	1.8649
#1	3.5054	.00968	.20206	.01059	.01939	1.3080	.04123	2.6691	.00977	.02627	.00838	.00679	.51345
#2	3.5307	.01027	.20465	.01062	.02004	1.3142	.04121	2.6872	.00938	.02802	.00809	.00928	.50008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value						1.0000						.01500	
Range						30.000%						-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0845**	**.10208**	**.01135**	**.01556**	**.01000**	**.01526**	**.05641**	**.00996**	**.02134**	**.01507**
Stddev	.0202	.00081	.00005	.00203	.00003	.00068	.01382	.00008	.00006	.00098
%RSD	1.8649	.79651	.43671	13.021	.25211	4.4382	24.496	.84317	.27829	6.4993
#1	1.0988	.10265	.01131	.01699	.01002	.01478	.04664	.00990	.02138	.01576
#2	1.0702	.10150	.01138	.01413	.00998	.01574	.06618	.01002	.02130	.01438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4096.7**	**64928.**	**5922.0**
Stddev	13.2	96.	3.9
%RSD	.32295	.14797	.06651
#1	4106.1	64996.	5924.8
#2	4087.4	64860.	5919.2

Sample Name: mb 280-114413/1-a Acquired: 4/9/2012 19:22:19 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**.00344**	**.00232**	**.00101**	**.00333**	**.00003**	**.00099**	**-.00012**	**-.00016**	**-.00006**
Stddev	.00030	.00016	.00308	.00019	.00004	.00001	.00074	.00092	.00003	.00004
%RSD	20.843	4.6793	132.90	18.577	1.2870	51.176	74.054	759.57	16.972	66.294
#1	.00165	.00355	.00450	.00114	.00336	.00002	.00151	-.00077	-.00018	-.00003
#2	.00123	.00332	.00014	.00088	.00330	.00004	.00047	.00053	-.00014	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00228**	**.00473**	**.08750**	**.00139**	**.00312**	**.00009**	**-.00022**	**.20094**	**.00013**
Stddev	.00017	.00048	.00119	.01706	.00085	.00076	.00002	.00001	.00360	.00001
%RSD	207.87	20.919	25.086	19.493	61.091	24.309	22.105	3.3098	1.7898	4.7909
#1	.00020	-.00262	.00389	.09956	.00079	.00366	.00008	-.00022	.19840	.00013
#2	-.00004	-.00195	.00557	.07544	.00198	.00259	.00010	-.00023	.20349	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**.00094**	F **.03187**	**-.00238**	**-.00251**	F **-.01481**	**-.03170**	**-.00017**	**.00032**	**.00075**
Stddev	.00260	.00033	.00165	.00148	.00145	.00086	.00183	.00139	.00004	.00022
%RSD	86.713	34.817	5.1691	62.339	57.784	5.7781	5.7781	808.13	13.966	29.868
#1	.00483	.00117	.03303	-.00342	-.00354	-.01421	-.03040	-.00115	.00035	.00091
#2	.00116	.00071	.03070	-.00133	-.00149	-.01542	-.03299	.00081	.00029	.00059
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00114**	**.00549**	**.00008**	**.00207**	**.00022**
Stddev	.00003	.00038	.00551	.00024	.00010	.00045
%RSD	7.3870	33.312	100.30	304.77	4.9359	207.67
#1	.00042	.00140	.00938	-.00009	.00215	.00054
#2	.00038	.00087	.00160	.00024	.00200	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4146.5**	**65863.**	**5998.4**
Stddev	25.9	1201.	7.4
%RSD	.62350	1.8242	.12268
#1	4164.7	66712.	6003.6
#2	4128.2	65013.	5993.2

Sample Name: lcs 280-114413/2-a Acquired: 4/9/2012 19:24:43 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05657**	**1.8865**	**.94722**	**.97160**	**2.2220**	**.05221**	**2.0851**	**51.665**	**.10190**	**.49181**
Stddev	.00016	.0016	.00456	.00658	.0190	.00058	.0099	.372	.00066	.00225
%RSD	.27479	.08545	.48115	.67683	.85641	1.1070	.47505	.71961	.64390	.45814
#1	.05646	1.8853	.95045	.97625	2.2085	.05180	2.0921	51.402	.10236	.49341
#2	.05668	1.8876	.94400	.96695	2.2355	.05262	2.0781	51.928	.10143	.49022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20092**	**.27023**	**1.1085**	**55.230**	**1.0696**	**50.617**	**.53386**	**1.0093**	**55.457**	**.49971**
Stddev	.00110	.00033	.0011	.325	.0089	.034	.00134	.0042	.191	.00242
%RSD	.54774	.12120	.09916	.58823	.83321	.06697	.25055	.41951	.34387	.48380
#1	.20170	.27000	1.1077	55.000	1.0633	50.593	.53291	1.0123	55.322	.50142
#2	.20015	.27046	1.1093	55.459	1.0759	50.641	.53480	1.0063	55.592	.49800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7528**	**.46412**	**.03645**	**.47654**	**2.0873**	**10.421**	F **22.301**	**2.0303**	F **1.1022**	**.97724**
Stddev	.0223	.00220	.00119	.00371	.0147	.118	.253	.0119	.0077	.00294
%RSD	.22868	.47404	3.2663	.77914	.70575	1.1339	1.1339	.58532	.70082	.30055
#1	9.7686	.46567	.03730	.47916	2.0977	10.337	22.122	2.0387	1.0967	.97516
#2	9.7371	.46256	.03561	.47391	2.0769	10.504	22.480	2.0219	1.1077	.97932
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							24.610		1.1000	
Low Limit							20.100		.91000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0307**	**2.0323**	**2.2197**	**.52965**	**.49042**	**.45448**
Stddev	.0006	.0138	.0124	.00093	.00130	.00199
%RSD	.05834	.68068	.56030	.17629	.26577	.43778
#1	1.0303	2.0421	2.2109	.52899	.49135	.45308
#2	1.0312	2.0225	2.2285	.53031	.48950	.45589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3955.0**	**60406.**	**5943.1**
Stddev	3.8	6.	28.7
%RSD	.09500	.00944	.48255
#1	3952.4	60402.	5963.3
#2	3957.7	60410.	5922.8

Sample Name: 280-27308-c-1-a Acquired: 4/9/2012 19:26:52 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00118	.00492	.00212	.11178	.31994	.00009	-.00097	85.338	.00005	-.00032
Stddev	.00034	.00001	.00438	.00120	.00326	.00004	.00088	.938	.00001	.00006
%RSD	28.421	.27729	206.50	1.0710	1.0197	47.230	90.379	1.0997	23.465	18.729
#1	.00094	.00493	.00522	.11262	.32225	.00006	-.00035	86.001	.00006	-.00036
#2	.00142	.00491	-.00098	.11093	.31763	.00012	-.00160	84.674	.00004	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	-.00071	.19973	2.1741	.03015	25.433	.29539	.00175	110.46	-.00001
Stddev	.00015	.00027	.00140	.0278	.00145	.083	.00079	.00091	1.50	.00017
%RSD	48.960	38.064	.70258	1.2785	4.7952	.32683	.26636	51.963	1.3570	1206.1
#1	.00020	-.00090	.20072	2.1937	.03117	25.374	.29483	.00111	111.52	.00011
#2	.00041	-.00052	.19874	2.1544	.02913	25.492	.29594	.00240	109.40	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23922	.00073	4.1259	-.00069	-.00225	11.108	23.771	.00128	.65405	-.00037
Stddev	.00244	.00011	.0264	.00052	.00474	.064	.137	.00152	.00666	.00050
%RSD	1.0184	15.002	.64005	74.884	210.18	.57499	.57499	118.96	1.0182	134.52
#1	.24094	.00065	4.1446	-.00106	-.00561	11.153	23.868	.00020	.65876	-.00002
#2	.23750	.00080	4.1073	-.00033	.00110	11.063	23.675	.00235	.64934	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00093	.00177	-.00578	.00049	.00264	-.00032
Stddev	.00021	.00051	.01620	.00033	.00091	.00024
%RSD	22.284	28.876	280.38	66.882	34.320	75.102
#1	.00107	.00213	-.01723	.00026	.00200	-.00049
#2	.00078	.00141	.00568	.00072	.00328	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3916.3	60580.	5972.5
Stddev	13.8	195.	42.2
%RSD	.35116	.32258	.70674
#1	3906.5	60442.	5942.7
#2	3926.0	60719.	6002.4

Sample Name: 280-27308-c-1-aSD@5 Acquired: 4/9/2012 19:29:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**.00171**	**.00088**	**.02353**	**.06361**	**.00004**	**.00318**	**16.964**	**-.00002**	**.00004**
Stddev	.00008	.00023	.00053	.00052	.00002	.00003	.00271	.090	.00005	.00010
%RSD	6.7252	13.522	60.054	2.1983	.03692	69.872	85.319	.52980	235.35	278.34
#1	.00116	.00187	.00126	.02316	.06360	.00005	.00126	17.027	-.00006	.00011
#2	.00128	.00154	.00051	.02389	.06363	.00002	.00509	16.900	.00001	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00112**	**.04624**	**.53577**	**.00674**	**5.2619**	**.06011**	**-.00009**	**22.350**	**.00009**
Stddev	.00021	.00017	.00075	.00628	.00136	.0627	.00073	.00018	.073	.00007
%RSD	43.087	15.127	1.6143	1.1717	20.166	1.1912	1.2107	187.15	.32490	78.613
#1	.00064	-.00100	.04677	.54021	.00771	5.3062	.06062	-.00022	22.299	.00004
#2	.00034	-.00124	.04572	.53133	.00578	5.2176	.05960	.00003	22.402	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04859**	**.00007**	**.83837**	**-.00167**	**-.00147**	**2.1675**	**4.6384**	**-.00020**	**.13070**	**.00113**
Stddev	.00019	.00119	.00742	.00059	.00316	.0260	.0557	.00045	.00090	.00043
%RSD	.38358	1654.6	.88509	35.288	215.64	1.2003	1.2003	219.68	.68911	38.261
#1	.04872	.00091	.83312	-.00208	.00077	2.1859	4.6778	.00011	.13133	.00083
#2	.04846	-.00077	.84362	-.00125	-.00370	2.1491	4.5990	-.00052	.13006	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00068**	**-.01683**	**-.00012**	**.00238**	**-.00011**
Stddev	.00037	.00029	.01290	.00031	.00042	.00125
%RSD	179.22	42.450	76.684	258.03	17.851	1166.2
#1	-.00005	.00089	-.02595	.00010	.00208	.00078
#2	.00046	.00048	-.00770	-.00034	.00268	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4098.3**	**63886.**	**6037.5**
Stddev	15.9	430.	28.5
%RSD	.38688	.67239	.47142
#1	4109.5	63582.	6057.6
#2	4087.1	64190.	6017.3

Sample Name: 280-27308-c-1-b ms Acquired: 4/9/2012 19:31:35 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05679**	**1.8617**	**.96774**	**1.0909**	**2.5689**	**.05260**	F **2.0944**	**135.48**	**.10429**	**.48799**
Stddev	.00049	.0073	.00409	.0027	.0010	.00005	.0010	.01	.00006	.00132
%RSD	.86314	.39342	.42306	.24433	.04008	.09278	.04795	.00484	.06201	.26981
#1	.05713	1.8566	.97063	1.0890	2.5682	.05264	2.0951	135.48	.10424	.48706
#2	.05644	1.8669	.96484	1.0928	2.5696	.05257	2.0937	135.49	.10433	.48892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20240**	**.27004**	**1.3007**	**58.603**	**1.1204**	**75.527**	**.82840**	**1.0210**	**165.90**	**.49477**
Stddev	.00024	.00373	.0015	.102	.0019	.183	.00165	.0019	.12	.00205
%RSD	.11647	1.3798	.11820	.17346	.16964	.24261	.19916	.18132	.07126	.41505
#1	.20223	.27267	1.2996	58.532	1.1190	75.657	.82957	1.0197	165.82	.49332
#2	.20256	.26740	1.3018	58.675	1.1217	75.398	.82724	1.0223	165.98	.49623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.283**	**.45451**	**4.1483**	**.48070**	**2.1139**	**21.649**	**46.330**	W **2.0227**	**1.7748**	**.97756**
Stddev	.012	.00049	.0073	.00259	.0016	.029	.063	.0053	.0027	.00524
%RSD	.11695	.10723	.17505	.53881	.07435	.13568	.13568	.26176	.15512	.53617
#1	10.275	.45486	4.1432	.48253	2.1128	21.670	46.374	2.0189	1.7729	.98127
#2	10.292	.45417	4.1534	.47887	2.1150	21.629	46.285	2.0264	1.7768	.97385
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0321**	**1.9631**	**2.2134**	**.53111**	**.48773**	**.45645**
Stddev	.0064	.0090	.0004	.00272	.00043	.00306
%RSD	.62234	.45729	.01824	.51122	.08878	.66939
#1	1.0366	1.9567	2.2131	.53303	.48742	.45861
#2	1.0275	1.9694	2.2137	.52919	.48803	.45429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3823.0**	**58934.**	**5893.0**
Stddev	8.1	294.	6.4
%RSD	.21143	.49865	.10886
#1	3828.7	58726.	5888.4
#2	3817.2	59142.	5897.5

Sample Name: 280-27308-c-1-c msd Acquired: 4/9/2012 19:33:42 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05589**	**1.8544**	**.96752**	**1.0903**	**2.5529**	**.05277**	F **2.0946**	**135.77**	**.10390**	**.48704**
Stddev	.00179	.0004	.00372	.0097	.0033	.00031	.0189	.81	.00082	.00223
%RSD	3.2010	.02130	.38443	.89040	.12986	.59242	.90302	.59733	.78919	.45752
#1	.05715	1.8547	.96489	1.0834	2.5553	.05299	2.0812	136.34	.10332	.48546
#2	.05462	1.8541	.97015	1.0971	2.5506	.05255	2.1080	135.20	.10448	.48861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20209**	**.26410**	**1.3033**	**58.390**	**1.1169**	**73.675**	**.80746**	**1.0189**	**165.20**	**.49394**
Stddev	.00046	.00986	.0092	.200	.0038	2.857	.02974	.0023	.40	.00101
%RSD	.22874	3.7351	.70765	.34225	.34232	3.8778	3.6837	.22895	.24485	.20534
#1	.20176	.27107	1.3099	58.531	1.1196	75.695	.82849	1.0172	165.48	.49322
#2	.20241	.25712	1.2968	58.249	1.1142	71.655	.78642	1.0205	164.91	.49465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.277**	**.45698**	**4.1604**	**.47937**	**2.1102**	**21.665**	**46.362**	W **2.0161**	**1.7645**	**.95718**
Stddev	.067	.00047	.0330	.00298	.0044	.068	.145	.0053	.0052	.03401
%RSD	.64784	.10390	.79304	.62182	.20741	.31351	.31351	.26095	.29693	3.5527
#1	10.230	.45664	4.1371	.47726	2.1071	21.713	46.465	2.0124	1.7682	.98123
#2	10.324	.45732	4.1837	.48148	2.1133	21.617	46.260	2.0198	1.7608	.93313
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0113**	**1.9558**	**2.1773**	**.51965**	**.47687**	**.45916**
Stddev	.0384	.0050	.0594	.01956	.01965	.00356
%RSD	3.7965	.25731	2.7291	3.7637	4.1207	.77566
#1	1.0385	1.9522	2.2193	.53348	.49076	.46168
#2	.98420	1.9594	2.1352	.50582	.46297	.45664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3805.7**	**59615.**	**5902.0**
Stddev	24.0	1647.	44.3
%RSD	.63069	2.7622	.75106
#1	3822.7	58450.	5870.6
#2	3788.8	60779.	5933.3

Sample Name: 280-27308-c-2-a Acquired: 4/9/2012 19:35:49 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00132	.00822	.00390	.10571	.31710	.00008	.00033	62.856	.00021	-.00042
Stddev	.00027	.00020	.00758	.00089	.00335	.00004	.00014	.897	.00010	.00018
%RSD	20.143	2.3729	194.44	.83912	1.0567	47.759	42.668	1.4277	47.359	42.267
#1	.00151	.00836	.00926	.10508	.31473	.00005	.00042	62.222	.00014	-.00030
#2	.00113	.00808	-.00146	.10634	.31947	.00011	.00023	63.491	.00028	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.00023	.07164	2.2104	.02790	17.812	.05972	.00277	91.408	.00012
Stddev	.00013	.00035	.00043	.0170	.00075	.412	.00167	.00072	1.159	.00004
%RSD	37.357	152.87	.59487	.77009	2.6893	2.3135	2.7885	26.029	1.2678	34.137
#1	.00043	-.00002	.07194	2.2225	.02737	17.521	.05854	.00226	90.588	.00009
#2	.00025	.00047	.07134	2.1984	.02843	18.103	.06090	.00328	92.227	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09721	.00059	4.8696	-.00034	.00003	10.997	23.534	.00086	.70207	.00106
Stddev	.00094	.00021	.0371	.00023	.00001	.141	.303	.00023	.00698	.00058
%RSD	.97192	34.573	.76171	67.942	31.764	1.2854	1.2854	26.864	.99487	54.882
#1	.09787	.00045	4.8434	-.00050	.00002	10.897	23.320	.00102	.69713	.00147
#2	.09654	.00074	4.8958	-.00018	.00004	11.097	23.748	.00069	.70701	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00097	.00135	-.01961	.00019	.00605	.00027
Stddev	.00005	.00105	.01424	.00011	.00112	.00306
%RSD	4.7090	78.112	72.630	56.984	18.582	1113.9
#1	.00093	.00209	-.02967	.00027	.00525	.00244
#2	.00100	.00060	-.00954	.00012	.00684	-.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3933.3	59648.	5960.4
Stddev	1.4	1153.	91.9
%RSD	.03655	1.9321	1.5422
#1	3934.3	60463.	6025.4
#2	3932.3	58833.	5895.4

Sample Name: 280-27308-c-3-a Acquired: 4/9/2012 19:38:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.00320**	**.00104**	**.10245**	**.26163**	**.00002**	**-.00196**	**78.309**	**.00014**	**-.00054**
Stddev	.00027	.00026	.00161	.00020	.00138	.00001	.00022	.336	.00009	.00001
%RSD	17.160	8.0001	154.13	.19736	.52932	25.915	10.997	.42858	62.373	1.1057
#1	.00137	.00302	.00218	.10231	.26261	.00002	-.00211	78.546	.00008	-.00054
#2	.00175	.00338	-.00009	.10260	.26065	.00002	-.00181	78.071	.00020	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00052**	**.01087**	**1.3814**	**.02617**	**21.940**	**.05429**	**.00088**	**103.81**	**-.00001**
Stddev	.00007	.00028	.00422	.0029	.00028	.027	.00002	.00017	1.01	.00014
%RSD	29.373	53.161	38.822	.21071	1.0826	.12240	.04475	19.134	.97256	1047.8
#1	.00029	-.00071	.00789	1.3834	.02597	21.921	.05428	.00076	104.52	.00009
#2	.00019	-.00032	.01386	1.3793	.02637	21.959	.05431	.00100	103.09	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05064**	**.00055**	**4.9530**	**-.00190**	**-.00016**	**11.556**	**24.729**	**.00018**	**.57678**	**-.00019**
Stddev	.00055	.00057	.0088	.00038	.00095	.016	.033	.00057	.00344	.00163
%RSD	1.0864	103.10	.17754	19.983	583.35	.13482	.13482	324.51	.59559	877.43
#1	.05103	.00095	4.9468	-.00217	.00051	11.567	24.753	.00058	.57921	-.00134
#2	.05025	.00015	4.9592	-.00163	-.00084	11.545	24.706	-.00023	.57435	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00002**	**.01077**	**.00165**	**.00196**	**.00010**
Stddev	.00047	.00281	.03152	.00011	.00045	.00003
%RSD	84.616	16812.	292.62	6.3578	23.011	35.936
#1	.00022	.00200	.03306	.00158	.00164	.00012
#2	.00088	-.00197	-.01152	.00173	.00227	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3904.9**	**61178.**	**5919.1**
Stddev	12.0	85.	16.8
%RSD	.30814	.13936	.28435
#1	3913.4	61117.	5907.2
#2	3896.4	61238.	5931.0

Sample Name: CCVH-1326164 Acquired: 4/9/2012 19:40:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00382**	**53.569**	**-.00001**	**.00335**	**.00015**	**.00013**	**.99643**	**.00295**	**-.00014**	**.00013**	**.00104**	**.00330**
Stddev	.00034	.458	.00398	.00007	.00004	.00001	.00542	.00152	.00002	.00007	.00011	.00007
%RSD	8.9098	.85451	35253.	2.0068	26.959	9.1323	.54367	51.558	12.635	54.252	10.708	2.2435
#1	.00406	53.245	.00280	.00330	.00017	.00012	1.0003	.00187	-.00015	.00018	.00096	.00336
#2	.00358	53.893	-.00283	.00340	.00012	.00014	.99260	.00403	-.00013	.00008	.00112	.00325
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.812**	**.14932**	**-.00198**	**.00055**	**-.00020**	**-.00038**	**265.28**	**.00213**	**.00291**	**-.00339**	**4.9581**	**-.00325**
Stddev	.469	.03570	.00063	.00255	.00002	.00021	1.78	.00037	.00070	.00109	.0630	.00105
%RSD	.87187	23.906	32.122	462.41	10.798	53.497	.66925	17.178	24.110	32.255	1.2712	32.295
#1	53.480	.12408	-.00153	.00236	-.00018	-.00053	264.02	.00239	.00341	-.00417	5.0026	-.00251
#2	54.144	.17456	-.00243	-.00125	-.00021	-.00024	266.53	.00187	.00242	-.00262	4.9135	-.00399
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00466**	**.01890**	**.04045**	**.00181**	**.00040**	W **4.5964**	**.00508**	**.00072**	**10.365**	**.00236**	**.00051**	**-.18485**
Stddev	.00076	.00695	.01487	.00043	.00001	.0430	.00007	.00071	.095	.00023	.00037	.00184
%RSD	16.378	36.771	36.771	23.611	1.5092	.93611	1.3541	98.833	.91468	9.9281	72.988	.99620
#1	-.00412	.01399	.02993	.00151	.00041	4.6268	.00513	.00122	10.432	.00253	.00077	-.18615
#2	-.00519	.02382	.05096	.00211	.00040	4.5660	.00503	.00022	10.298	.00220	.00024	-.18355
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.0**	**62025.**	**5996.7**
Stddev	7.3	212.	49.0
%RSD	.18300	.34229	.81715
#1	3961.9	61875.	6031.4
#2	3972.1	62175.	5962.1

Sample Name: CCV-1343805 Acquired: 4/9/2012 19:42:54 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52602**	**.50767**	**.93726**	**.49063**	F **.55262**	**.51646**	**-.00041**	**5.2572**	**.50328**	**.49946**	**.50213**	**.52837**	F **2.7682**
Stddev	.00470	.00081	.00433	.00091	.00094	.00036	.00084	.0030	.00030	.00095	.00020	.00272	.0050
%RSD	.89318	.15936	.46237	.18607	.17023	.07054	205.52	.05724	.05953	.19021	.04016	.51478	.18070
#1	.52934	.50824	.93420	.48998	.55196	.51672	-.00100	5.2593	.50349	.50013	.50227	.53029	2.7717
#2	.52269	.50709	.94033	.49127	.55329	.51620	.00018	5.2551	.50307	.49878	.50199	.52645	2.7647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value					.50000								2.5000
Range					10.490%								10.490%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.091**	**1.0639**	**20.174**	**.51820**	**.49792**	**5.3713**	**.50151**	**.96585**	**.94430**	**.03173**	**.98724**	**1.0377**	**5.1568**
Stddev	.052	.0031	.212	.00528	.00193	.0173	.00066	.00037	.00072	.00034	.00085	.0058	.0100
%RSD	.09533	.29106	1.0487	1.0181	.38793	.32197	.13140	.03787	.07602	1.0858	.08560	.56030	.19387
#1	54.054	1.0617	20.323	.52193	.49928	5.3835	.50105	.96559	.94379	.03197	.98664	1.0418	5.1639
#2	54.127	1.0661	20.024	.51447	.49655	5.3591	.50198	.96611	.94481	.03149	.98784	1.0336	5.1497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.036**	**1.0208**	**.53981**	**.01437**	**.50229**	**1.0465**	**-.00297**	**.51551**	**.48743**	**.49079**
Stddev	.021	.0008	.00012	.00072	.00508	.0004	.00359	.00370	.00479	.00044
%RSD	.19387	.08105	.02227	4.9950	1.0108	.03770	120.94	.71810	.98330	.08945
#1	11.051	1.0202	.53972	.01488	.50588	1.0468	-.00551	.51812	.49082	.49110
#2	11.020	1.0214	.53989	.01387	.49870	1.0462	-.00043	.51289	.48404	.49048
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4057.3**	**62759.**	**6078.6**
Stddev	4.9	505.	3.8
%RSD	.12183	.80398	.06176
#1	4053.8	62403.	6075.9
#2	4060.7	63116.	6081.2

Sample Name: CCB Acquired: 4/9/2012 19:45:06 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00125**	**.00202**	**.00012**	**.00134**	**.00005**	**.00009**	**-.00124**	**-.00229**	**.00002**	**-.00013**	**.00002**
Stddev	.00033	.00028	.00056	.00060	.00016	.00002	.00186	.00017	.00008	.00017	.00003
%RSD	26.504	13.867	486.06	44.737	318.25	24.625	150.44	7.4810	329.69	126.81	121.84
#1	.00149	.00222	-.00028	.00092	.00017	.00011	.00008	-.00241	-.00003	-.00026	.00000
#2	.00102	.00183	.00051	.00177	-.00006	.00008	-.00255	-.00217	.00008	-.00001	.00004
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00242**	**.00367**	**.07206**	**.00060**	**-.00037**	**.00000**	**.00088**	W **.17789**	**.00018**	**.00349**	**.00151**
Stddev	.00040	.00009	.01611	.00197	.00181	.0000	.00067	.00196	.00007	.00018	.00060
%RSD	16.656	2.5489	22.362	329.54	488.22	4686.2	76.504	1.1020	37.411	5.2255	39.999
#1	-.00270	.00360	.06067	.00199	.00091	-.00001	.00040	.17651	.00022	.00361	.00108
#2	-.00213	.00373	.08346	-.00080	-.00165	.00001	.00135	.17928	.00013	.00336	.00194
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02183**	**.00058**	**.00042**	**-.00662**	**-.01416**	**.00058**	**-.00004**	**.00095**	**.00029**	**.00083**	**.01337**
Stddev	.00083	.00142	.00333	.00705	.01509	.00014	.00004	.00055	.00010	.00182	.00171
%RSD	3.7917	247.12	784.88	106.57	106.57	23.519	111.66	58.180	34.234	220.02	12.805
#1	.02242	.00158	.00278	-.01160	-.02483	.00048	-.00007	.00056	.00036	-.00046	.01216
#2	.02125	-.00043	-.00193	-.00163	-.00349	.00068	-.00001	.00134	.00022	.00211	.01458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00001**	**.00192**	**-.00018**
Stddev	.00007	.00007	.00014
%RSD	1303.3	3.6480	77.000
#1	.00006	.00187	-.00008
#2	-.00005	.00197	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.8**	**64889.**	**5991.0**
Stddev	19.2	488.	35.6
%RSD	.46994	.75212	.59496
#1	4065.2	65235.	6016.2
#2	4092.3	64544.	5965.8

Sample Name: CCVL1351092 Acquired: 4/9/2012 19:47:31 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01184**	**.10682**	**.01408**	**.09368**	**.01170**	**.00111**	**.10781**	**.22765**	**.00522**	**.01021**	**.01038**	**.01415**	**.11571**
Stddev	.00015	.00115	.00296	.00009	.00014	.00003	.00072	.00069	.00004	.00029	.00011	.00001	.00051
%RSD	1.2911	1.0723	21.018	.10110	1.2311	2.9952	.66336	.30204	.77152	2.8657	1.0898	.07060	.43687
#1	.01194	.10601	.01199	.09375	.01160	.00109	.10832	.22716	.00525	.01000	.01046	.01414	.11535
#2	.01173	.10763	.01617	.09361	.01180	.00113	.10731	.22813	.00520	.01041	.01030	.01416	.11607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4941**	**.01021**	**.20601**	**.01080**	**.02010**	**1.2841**	**.04178**	**2.7260**	**.00927**	**.02415**	**.00717**	F **.00911**	**.51494**
Stddev	.0549	.00008	.00310	.00014	.00002	.0019	.00006	.0021	.00014	.00377	.00020	.00430	.00130
%RSD	1.5723	.78252	1.5038	1.2590	.07536	.14380	.13454	.07646	1.4783	15.616	2.7470	47.186	.25225
#1	3.4553	.01015	.20382	.01070	.02009	1.2828	.04182	2.7275	.00917	.02682	.00703	.01215	.51586
#2	3.5330	.01026	.20820	.01089	.02011	1.2854	.04174	2.7245	.00936	.02149	.00731	.00607	.51403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1020**	**.10360**	**.01135**	**.01566**	**.01010**	**.01757**	**.05844**	**.01037**	**.02263**	**.01396**
Stddev	.0028	.00004	.00005	.00102	.00029	.00043	.03489	.00026	.00114	.00081
%RSD	.25225	.03480	.47336	6.4851	2.8930	2.4456	59.707	2.5073	5.0549	5.7921
#1	1.1039	.10357	.01132	.01638	.00990	.01787	.03376	.01019	.02182	.01339
#2	1.1000	.10363	.01139	.01494	.01031	.01726	.08311	.01055	.02344	.01453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.7**	**65112.**	**6008.1**
Stddev	5.6	461.	33.3
%RSD	.13677	.70772	.55480
#1	4093.7	65438.	6031.6
#2	4101.6	64786.	5984.5

Sample Name: 280-27308-c-4-a Acquired: 4/9/2012 19:49:54 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00135**	**.00372**	**-.00095**	**.07476**	**.54339**	**.00009**	**-.00096**	**161.94**	**.00021**	**.00104**
Stddev	.00001	.00082	.00106	.00097	.00100	.00003	.00263	.55	.00003	.00018
%RSD	.90709	22.041	111.37	1.2913	.18315	32.272	272.34	.33796	12.393	17.228
#1	.00134	.00430	-.00020	.07408	.54410	.00011	.00089	162.33	.00019	.00092
#2	.00136	.00314	-.00170	.07544	.54269	.00007	-.00282	161.55	.00022	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00071**	**.96158**	**1.4982**	**.03995**	**40.439**	**.32823**	**.00033**	**74.955**	**.00150**
Stddev	.00002	.00025	.00695	.0003	.00195	.398	.00340	.00016	.106	.00031
%RSD	4.9330	35.577	.72325	.01858	4.8844	.98534	1.0370	47.557	.14104	20.978
#1	.00030	-.00089	.96650	1.4980	.04133	40.720	.33064	.00045	75.030	.00172
#2	.00032	-.00053	.95666	1.4984	.03857	40.157	.32582	.00022	74.880	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14882**	**.00265**	**9.2942**	**-.00226**	**-.00062**	**14.929**	**31.948**	**.00057**	**1.0561**	**-.00013**
Stddev	.00061	.00023	.0612	.00420	.00158	.034	.073	.00084	.0015	.00197
%RSD	.40970	8.6154	.65892	185.70	255.51	.22880	.22880	147.76	.14021	1513.1
#1	.14838	.00249	9.2509	.00071	.00050	14.953	32.000	-.00003	1.0571	-.00152
#2	.14925	.00281	9.3375	-.00523	-.00174	14.905	31.897	.00116	1.0550	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00081**	**-.01243**	**.00112**	**.00203**	**-.00029**
Stddev	.00001	.00176	.01376	.00002	.00014	.00059
%RSD	.76838	216.27	110.69	1.9113	6.8758	206.33
#1	.00074	.00205	-.00270	.00111	.00193	-.00071
#2	.00075	-.00043	-.02216	.00114	.00213	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3879.8**	**60921.**	**5958.3**
Stddev	14.8	358.	20.4
%RSD	.38046	.58711	.34275
#1	3890.2	60668.	5943.8
#2	3869.4	61174.	5972.7

Sample Name: 280-27308-c-5-a Acquired: 4/9/2012 19:52:16 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.00839**	**-.00116**	**.09548**	**.69225**	**.00009**	**-.00169**	**209.07**	**.00034**	**.00002**
Stddev	.00011	.00002	.00206	.00075	.01006	.00008	.00211	1.58	.00012	.00017
%RSD	8.0502	.23515	178.24	.79002	1.4530	88.116	124.63	.75412	35.246	992.54
#1	.00125	.00840	.00030	.09495	.69936	.00003	-.00020	207.95	.00025	-.00010
#2	.00140	.00837	-.00262	.09602	.68514	.00014	-.00318	210.18	.00042	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00032**	**.10024**	**2.0863**	**.05711**	**50.616**	**.24490**	**.00034**	**139.97**	**.00010**
Stddev	.00006	.00032	.00031	.0295	.00258	.287	.00160	.00010	2.13	.00017
%RSD	9.8129	100.78	.31342	1.4119	4.5086	.56641	.65179	29.263	1.5186	164.70
#1	.00061	.00009	.10046	2.1071	.05894	50.818	.24603	.00041	141.47	.00022
#2	.00070	.00054	.10001	2.0655	.05529	50.413	.24377	.00027	138.47	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08594**	**.00261**	**3.6759**	**-.00117**	**-.00009**	**14.640**	**31.329**	**.00036**	**1.3278**	**-.00031**
Stddev	.00286	.00045	.0024	.00065	.00505	.272	.582	.00012	.0193	.00083
%RSD	3.3330	17.214	.06629	55.110	5626.5	1.8563	1.8563	31.952	1.4549	270.37
#1	.08392	.00293	3.6776	-.00072	.00348	14.832	31.740	.00028	1.3415	-.00089
#2	.08797	.00229	3.6742	-.00163	-.00366	14.448	30.918	.00045	1.3142	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00096**	**-.00073**	**.00096**	**.01097**	**.00188**
Stddev	.00031	.00134	.00720	.00047	.00097	.00085
%RSD	36.601	139.72	987.31	49.224	8.8044	45.312
#1	.00105	.00001	-.00582	.00129	.01165	.00128
#2	.00062	.00191	.00436	.00062	.01028	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3801.6**	**59865.**	**5890.1**
Stddev	2.6	374.	40.5
%RSD	.06737	.62526	.68727
#1	3799.8	59600.	5861.5
#2	3803.4	60130.	5918.7

Sample Name: 280-27308-c-6-a Acquired: 4/9/2012 19:54:41 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00519**	**-.00248**	**.06910**	**.76828**	**.00017**	**-.00350**	W **589.98**	**.00064**	**.00408**
Stddev	.00001	.00019	.00244	.00059	.00869	.00010	.00042	2.50	.00018	.00012
%RSD	.38318	3.6145	98.354	.84724	1.1313	61.895	12.093	.42373	28.725	2.8254
#1	.00136	.00532	-.00421	.06868	.76213	.00024	-.00320	591.74	.00077	.00400
#2	.00137	.00506	-.00076	.06951	.77442	.00009	-.00380	588.21	.00051	.00416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00258**	**.33406**	**1.8481**	**.04105**	**81.614**	**.68405**	**.00005**	**402.32**	**.00152**
Stddev	.00006	.00005	.00214	.0951	.00037	.963	.00884	.00009	4.48	.00011
%RSD	6.8002	2.1093	.64046	5.1486	.90824	1.1800	1.2927	173.24	1.1135	7.2079
#1	.00077	.00262	.33254	1.7808	.04132	80.933	.67780	.00012	399.15	.00160
#2	.00085	.00255	.33557	1.9154	.04079	82.295	.69030	-.00001	405.48	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28166**	**.00409**	**15.053**	**-.00546**	**.00256**	**14.136**	**30.251**	**-.00032**	**2.3310**	**-.00172**
Stddev	.00290	.00014	.065	.00104	.00300	.199	.426	.00110	.0265	.00212
%RSD	1.0300	3.5116	.43146	18.980	117.27	1.4074	1.4074	340.62	1.1354	123.07
#1	.28371	.00419	15.007	-.00472	.00469	13.995	29.950	.00046	2.3123	-.00022
#2	.27961	.00399	15.099	-.00619	.00044	14.277	30.552	-.00110	2.3497	-.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**-.00031**	**.01216**	**.00125**	**.00697**	**-.00006**
Stddev	.00005	.00244	.00393	.00010	.00039	.00130
%RSD	4.6981	791.47	32.289	7.6997	5.6097	2357.4
#1	.00106	.00142	.01493	.00118	.00669	-.00097
#2	.00113	-.00204	.00938	.00132	.00724	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3547.1**	**56344.**	**5775.2**
Stddev	14.7	335.	11.9
%RSD	.41347	.59418	.20658
#1	3557.5	56581.	5783.6
#2	3536.8	56107.	5766.7

Sample Name: 280-27308-c-7-a Acquired: 4/9/2012 19:57:14 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.01277**	**.00111**	**.06511**	**.31455**	**.00008**	**-.00157**	**150.27**	**.00018**	**.00041**
Stddev	.00057	.00038	.00125	.00120	.00050	.00009	.00258	.80	.00003	.00011
%RSD	45.672	3.0017	112.02	1.8449	.15764	120.08	164.26	.53142	19.113	27.192
#1	.00085	.01250	.00023	.06426	.31490	.00014	.00025	150.83	.00020	.00033
#2	.00166	.01304	.00200	.06596	.31420	.00001	-.00340	149.71	.00015	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00011**	**.72478**	**3.1753**	**.02347**	**23.546**	**.20015**	**.00039**	**179.87**	**.00067**
Stddev	.00003	.00014	.00504	.0294	.00158	.036	.00066	.00024	.68	.00008
%RSD	6.9414	131.62	.69512	.92676	6.7328	.15388	.33204	62.942	.37885	11.482
#1	.00041	.00021	.72834	3.1545	.02459	23.572	.20062	.00021	180.36	.00072
#2	.00045	.00001	.72121	3.1961	.02236	23.521	.19968	.00056	179.39	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27628**	**.00125**	**21.815**	**-.00227**	**-.00205**	**14.868**	**31.817**	**-.00069**	**.63783**	**.00048**
Stddev	.00289	.00028	.089	.00114	.00337	.076	.164	.00043	.00214	.00098
%RSD	1.0459	22.806	.40699	50.023	164.93	.51408	.51408	62.331	.33591	204.34
#1	.27424	.00105	21.752	-.00308	.00034	14.922	31.933	-.00100	.63934	.00117
#2	.27833	.00145	21.877	-.00147	-.00443	14.814	31.701	-.00039	.63631	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00110**	**.00589**	**.00037**	**.00244**	**.00026**
Stddev	.00002	.00042	.00647	.00010	.00003	.00004
%RSD	3.3743	38.216	109.86	25.854	1.2835	15.054
#1	.00054	.00139	.00131	.00044	.00242	.00028
#2	.00057	.00080	.01046	.00030	.00246	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3812.8**	**59951.**	**6064.3**
Stddev	23.4	102.	6.9
%RSD	.61461	.17025	.11343
#1	3829.4	59879.	6059.4
#2	3796.3	60023.	6069.1

Sample Name: 280-27308-c-8-a Acquired: 4/9/2012 19:59:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.01519**	**-.00016**	**.14808**	**.68862**	**.00010**	**-.00282**	**216.42**	**.00047**	**-.00042**
Stddev	.00043	.00050	.00059	.00216	.00068	.00002	.00019	3.11	.00003	.00004
%RSD	42.343	3.2650	365.79	1.4611	.09870	22.795	6.8711	1.4368	7.0245	9.9405
#1	.00071	.01484	-.00058	.14655	.68910	.00008	-.00295	214.22	.00050	-.00039
#2	.00131	.01554	.00026	.14961	.68814	.00011	-.00268	218.62	.00045	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00101**	**.22465**	**2.7503**	**.07382**	**79.485**	**.07780**	**.00058**	**189.26**	**-.00032**
Stddev	.00008	.00006	.00076	.0661	.00149	1.002	.00114	.00001	.12	.00031
%RSD	11.855	5.7326	.33881	2.4046	2.0194	1.2607	1.4636	2.2075	.06429	96.363
#1	.00074	.00105	.22412	2.7035	.07277	78.776	.07699	.00057	189.35	-.00010
#2	.00063	.00097	.22519	2.7971	.07488	80.193	.07860	.00059	189.18	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12351**	**.00247**	**9.3906**	**-.00066**	**-.00144**	**14.433**	**30.887**	**-.00052**	**2.0180**	**-.00009**
Stddev	.00035	.00095	.0329	.00131	.00290	.094	.201	.00045	.0014	.00191
%RSD	.28097	38.492	.35059	199.38	201.49	.65075	.65075	86.327	.07008	2086.6
#1	.12327	.00314	9.3673	-.00158	-.00349	14.367	30.744	-.00020	2.0190	.00126
#2	.12376	.00179	9.4139	.00027	.00061	14.499	31.029	-.00084	2.0170	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00017**	**-.00147**	**.00093**	**.00393**	**.00117**
Stddev	.00009	.00018	.02575	.00004	.00083	.00032
%RSD	10.409	108.17	1753.5	4.2975	21.172	27.174
#1	.00078	.00030	.01674	.00096	.00452	.00094
#2	.00090	.00004	-.01968	.00090	.00334	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3741.3**	**59083.**	**5930.8**
Stddev	12.2	792.	61.3
%RSD	.32480	1.3412	1.0331
#1	3749.8	59643.	5974.2
#2	3732.7	58522.	5887.5

Sample Name: 280-27308-c-9-a Acquired: 4/9/2012 20:02:03 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00487**	**-.00253**	**.06924**	**.75720**	**.00010**	**-.00341**	W **582.86**	**.00065**	**.00396**
Stddev	.00013	.00015	.00040	.00098	.00578	.00007	.00116	8.71	.00007	.00019
%RSD	11.519	2.9920	15.843	1.4110	.76312	64.547	34.109	1.4950	10.237	4.9195
#1	.00118	.00477	-.00282	.06993	.76128	.00006	-.00259	576.70	.00069	.00382
#2	.00100	.00498	-.00225	.06855	.75311	.00015	-.00423	589.02	.00060	.00409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00387**	**.31432**	**1.8901**	**.04088**	**81.491**	**.66111**	**-.00018**	**393.57**	**.00142**
Stddev	.00002	.00067	.00478	.0272	.00091	.028	.00197	.00014	1.93	.00048
%RSD	3.5921	17.342	1.5198	1.4373	2.2164	.03404	.29730	79.874	.49093	33.693
#1	.00067	.00339	.31770	1.8709	.04152	81.511	.66250	-.00008	394.94	.00108
#2	.00071	.00434	.31094	1.9093	.04024	81.472	.65972	-.00027	392.21	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28027**	**.00412**	**14.950**	**-.00336**	**.00268**	**13.811**	**29.556**	**-.00001**	**2.3048**	**.00021**
Stddev	.00144	.00075	.070	.00070	.00126	.019	.040	.00080	.0154	.00073
%RSD	.51299	18.132	.46656	20.973	46.987	.13529	.13529	5713.7	.66871	349.15
#1	.27925	.00359	14.999	-.00286	.00179	13.824	29.584	-.00058	2.3157	.00073
#2	.28128	.00465	14.901	-.00385	.00358	13.798	29.528	.00055	2.2939	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00101**	**-.00028**	**.00099**	**.00853**	**.00238**
Stddev	.00019	.00281	.00545	.00014	.00016	.00201
%RSD	42.658	279.60	1962.4	13.933	1.8383	84.658
#1	.00059	.00299	.00358	.00089	.00842	.00095
#2	.00032	-.00098	-.00413	.00109	.00864	.00380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3544.3**	**56471.**	**5931.6**
Stddev	20.0	216.	10.0
%RSD	.56543	.38313	.16780
#1	3530.2	56318.	5924.5
#2	3558.5	56624.	5938.6

Sample Name: 280-27308-c-10-a Acquired: 4/9/2012 20:04:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**.00287**	**.00085**	**.00079**	**-.00001**	**.00005**	**.00041**	**.02244**	**-.00006**	**-.00003**
Stddev	.00006	.00010	.00176	.00042	.00014	.00001	.00077	.00022	.00012	.00026
%RSD	4.8825	3.5440	208.11	52.999	1986.3	12.085	188.20	.97697	197.02	1010.5
#1	.00127	.00294	.00209	.00109	.00009	.00005	.00095	.02259	.00002	-.00021
#2	.00118	.00279	-.00040	.00049	-.00010	.00004	-.00014	.02228	-.00015	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00215**	**.01743**	**.16126**	**-.00234**	**.00136**	**.00010**	**-.00020**	**.37140**	**.00019**
Stddev	.00007	.00023	.00142	.03911	.00100	.00052	.00004	.00051	.01671	.00002
%RSD	204.95	10.567	8.1576	24.250	42.785	38.472	39.680	257.34	4.5003	9.3496
#1	-.00002	-.00231	.01844	.18891	-.00163	.00099	.00013	-.00056	.38322	.00020
#2	.00009	-.00199	.01642	.13361	-.00305	.00173	.00007	.00016	.35958	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00871**	**.00154**	**.01964**	**-.00299**	**-.00146**	**-.01015**	**-.02173**	**.00079**	**-.00002**	**.00154**
Stddev	.00057	.00027	.00354	.00039	.00176	.00462	.00988	.00003	.00001	.00084
%RSD	6.5735	17.281	18.035	12.917	120.55	45.497	45.497	3.9288	29.073	54.282
#1	.00912	.00173	.01713	-.00326	-.00022	-.00689	-.01474	.00077	-.00002	.00213
#2	.00831	.00136	.02214	-.00271	-.00271	-.01342	-.02871	.00081	-.00002	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00019**	**-.02764**	**-.00025**	**.00240**	**.00012**
Stddev	.00025	.00017	.00606	.00015	.00019	.00001
%RSD	67.211	89.077	21.908	60.279	7.8360	4.7695
#1	.00055	.00007	-.03193	-.00036	.00227	.00012
#2	.00019	.00031	-.02336	-.00014	.00253	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4095.5**	**65386.**	**6148.3**
Stddev	.5	381.	9.9
%RSD	.01108	.58238	.16146
#1	4095.2	65656.	6155.3
#2	4095.8	65117.	6141.3

Sample Name: 280-27314-c-1-b Acquired: 4/9/2012 20:07:01 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00143	.84200	-.00081	.01870	.00404	.00011	-.00015	.08160	.00002	-.00010
Stddev	.00010	.00072	.00017	.00016	.00010	.00011	.00326	.00070	.00009	.00003
%RSD	7.1430	.08541	21.497	.83573	2.5120	101.86	2143.9	.85561	493.19	27.403
#1	.00150	.84251	-.00093	.01881	.00411	.00003	-.00245	.08111	-.00004	-.00012
#2	.00136	.84149	-.00068	.01859	.00396	.00019	.00215	.08210	.00008	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	-.00197	.40931	1.0801	-.00035	1.3656	.00028	-.00025	8.2628	.00068
Stddev	.00007	.00003	.00354	.0186	.00007	.0007	.00001	.00021	.0071	.00011
%RSD	12.873	1.3622	.86487	1.7209	21.112	.05006	2.8026	82.318	.08556	15.614
#1	.00060	-.00199	.41181	1.0933	-.00029	1.3661	.00028	-.00010	8.2678	.00060
#2	.00050	-.00195	.40681	1.0670	-.00040	1.3651	.00027	-.00040	8.2578	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03413	-.00004	1.8254	-.00040	-.00081	2.3957	5.1269	.00079	.00293	.00062
Stddev	.00111	.00125	.0076	.00083	.00360	.0033	.0070	.00038	.00011	.00139
%RSD	3.2530	2936.2	.41340	206.60	444.93	.13619	.13619	47.473	3.8055	223.54
#1	.03334	.00084	1.8201	-.00099	.00174	2.3980	5.1318	.00106	.00301	-.00036
#2	.03491	-.00092	1.8307	.00018	-.00336	2.3934	5.1219	.00053	.00285	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00079	.00038	.00676	.00057	.00207	.00228
Stddev	.00006	.00049	.01310	.00016	.00008	.00020
%RSD	7.2925	127.98	193.77	27.316	3.9150	8.6134
#1	.00075	.00004	.01602	.00068	.00202	.00214
#2	.00083	.00073	-.00250	.00046	.00213	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4095.1	65067.	6102.6
Stddev	2.2	215.	15.6
%RSD	.05391	.32999	.25579
#1	4096.7	65219.	6091.6
#2	4093.5	64916.	6113.7

Sample Name: 280-27314-c-2-b Acquired: 4/9/2012 20:09:24 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.64478**	**-.00037**	**.08333**	**.01286**	**.00017**	**.00131**	**9.2833**	**-.00009**	**-.00010**
Stddev	.00009	.00276	.00406	.00006	.00007	.00003	.00006	.0025	.00004	.00006
%RSD	8.8131	.42796	1095.4	.06766	.52776	19.999	4.2199	.02734	46.557	57.878
#1	.00101	.64283	-.00324	.08329	.01291	.00019	.00135	9.2815	-.00012	-.00006
#2	.00114	.64673	.00250	.08337	.01281	.00014	.00127	9.2851	-.00006	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**-.00160**	**.78822**	**8.1315**	**-.00170**	**2.9047**	**.00156**	**-.00017**	**51.460**	**.00114**
Stddev	.00004	.00007	.00486	.0392	.00064	.0223	.00002	.00003	.019	.00008
%RSD	4.6120	4.4979	.61719	.48244	37.482	.76739	1.5010	16.544	.03694	7.3771
#1	.00092	-.00166	.79166	8.1593	-.00125	2.9205	.00154	-.00019	51.446	.00120
#2	.00098	-.00155	.78478	8.1038	-.00216	2.8890	.00157	-.00015	51.473	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05937**	**.00126**	**13.963**	**-.00161**	**-.00163**	**3.1264**	**6.6904**	**.00072**	**.01904**	**.00078**
Stddev	.00102	.00066	.022	.00079	.00042	.0310	.0664	.00098	.00003	.00035
%RSD	1.7262	52.862	.15993	48.903	25.669	.99236	.99236	136.51	.17524	45.561
#1	.06009	.00173	13.948	-.00217	-.00193	3.1044	6.6435	.00002	.01907	.00053
#2	.05864	.00079	13.979	-.00105	-.00134	3.1483	6.7374	.00141	.01902	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00128**	**.00725**	**.01368**	**.00261**	**.00139**
Stddev	.00033	.00018	.01272	.00026	.00026	.00094
%RSD	27.784	14.018	175.42	1.8747	10.126	67.422
#1	.00094	.00115	-.00174	.01386	.00279	.00073
#2	.00140	.00140	.01624	.01350	.00242	.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4007.4**	**63716.**	**6095.4**
Stddev	1.6	374.	8.6
%RSD	.03893	.58630	.14027
#1	4006.3	63452.	6101.5
#2	4008.5	63980.	6089.4

Sample Name: CCVH-1326164 Acquired: 4/9/2012 20:11:46 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**53.726**	**-.00044**	**.00232**	**.00039**	**.00008**	**1.0044**	**-.00119**	**-.00010**	**.00020**	**.00103**	**.00342**
Stddev	.00007	.415	.00435	.00032	.00008	.00009	.0012	.00183	.00007	.00022	.00019	.00022
%RSD	1.9095	.77248	992.86	13.984	21.773	108.61	.12300	153.53	73.056	108.04	18.872	6.5148
#1	.00366	53.432	.00264	.00255	.00045	.00002	1.0053	-.00249	-.00015	.00035	.00116	.00357
#2	.00376	54.019	-.00352	.00209	.00033	.00014	1.0035	.00010	-.00005	.00005	.00089	.00326
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.788**	**.08970**	**-.00191**	**.00172**	**-.00016**	**-.00055**	**266.83**	**.00254**	**.00427**	**-.00188**	**4.9283**	**-.00410**
Stddev	.315	.00196	.00059	.00161	.00004	.00003	1.55	.00016	.00185	.00189	.0197	.00019
%RSD	.58626	2.1866	30.654	93.661	26.643	6.3199	.58207	6.1078	43.451	100.70	.40054	4.5591
#1	53.565	.09109	-.00150	.00058	-.00019	-.00057	265.73	.00265	.00296	-.00322	4.9144	-.00396
#2	54.011	.08831	-.00233	.00285	-.00013	-.00052	267.92	.00243	.00558	-.00054	4.9423	-.00423
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00246**	**.01104**	**.02362**	**.00128**	**.00038**	W **4.6307**	**.00482**	**.00001**	**10.460**	**.00256**	**.00125**	**-.18745**
Stddev	.00133	.00595	.01274	.00026	.00001	.0045	.00027	.00188	.005	.00029	.00039	.00197
%RSD	54.069	53.926	53.926	20.194	1.7434	.09794	5.6732	33088.	.04706	11.213	31.263	1.0502
#1	-.00340	.01525	.03263	.00146	.00038	4.6339	.00501	-.00132	10.464	.00276	.00153	-.18605
#2	-.00152	.00683	.01461	.00110	.00038	4.6275	.00462	.00133	10.457	.00235	.00098	-.18884
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3954.7**	**61905.**	**6074.9**
Stddev	3.3	63.	26.9
%RSD	.08292	.10103	.44353
#1	3957.1	61949.	6093.9
#2	3952.4	61861.	6055.8

Sample Name: CCV-1343805 Acquired: 4/9/2012 20:14:07 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51809**	**.50107**	**.94222**	**.49346**	**.54867**	**.51330**	**-.00025**	**5.2096**	**.50453**	**.49929**	**.50262**	**.52301**	**2.7232**
Stddev	.00274	.00161	.00057	.00180	.00137	.00288	.00179	.0135	.00064	.00223	.00180	.00298	.0164
%RSD	.52977	.32186	.06006	.36419	.25031	.56115	720.46	.25831	.12654	.44696	.35820	.56989	.60039
#1	.52003	.50221	.94182	.49473	.54769	.51126	-.00152	5.2000	.50498	.50086	.50390	.52511	2.7116
#2	.51615	.49993	.94262	.49218	.54964	.51533	.00102	5.2191	.50408	.49771	.50135	.52090	2.7347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.719**	**1.0608**	**19.688**	**.50937**	**.49961**	**5.3304**	**.50208**	**.96588**	**.94148**	**.01566**	**.99222**	**1.0324**	**5.1686**
Stddev	.123	.0024	.059	.00189	.00346	.0019	.00278	.00132	.00382	.00386	.00112	.0039	.0356
%RSD	.22953	.22541	.29838	.37194	.69268	.03638	.55293	.13660	.40548	24.676	.11270	.37527	.68836
#1	53.632	1.0591	19.730	.51071	.50206	5.3291	.50404	.96682	.94418	.01839	.99301	1.0351	5.1434
#2	53.806	1.0624	19.647	.50803	.49716	5.3318	.50012	.96495	.93878	.01293	.99143	1.0296	5.1938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.061**	**1.0139**	**.53704**	**.01437**	**.49486**	**1.0466**	**-.01777**	**.50835**	**.47452**	**.49471**
Stddev	.076	.0047	.00239	.00101	.00214	.0054	.00643	.00226	.00132	.00102
%RSD	.68836	.46232	.44496	7.0594	.43308	.51663	36.163	.44446	.27802	.20698
#1	11.007	1.0172	.53535	.01509	.49637	1.0504	-.01323	.50994	.47546	.49398
#2	11.115	1.0106	.53873	.01366	.49334	1.0428	-.02232	.50675	.47359	.49543
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4046.3**	**63724.**	**6115.6**
Stddev	10.0	259.	27.1
%RSD	.24669	.40633	.44286
#1	4039.3	63541.	6134.7
#2	4053.4	63907.	6096.4

Sample Name: CCB Acquired: 4/9/2012 20:16:19 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00139**	**.00039**	**.00086**	**.00081**	**.00002**	**.00005**	**-.00021**	**-.00238**	**-.00007**	**-.00030**	**.00009**
Stddev	.00019	.00011	.00060	.00030	.00012	.00000	.00046	.00052	.00010	.00008	.00009
%RSD	13.687	28.271	70.426	36.529	672.98	6.7218	214.18	21.690	139.31	26.658	96.209
#1	.00126	.00047	.00043	.00060	.00010	.00006	-.00054	-.00274	-.00014	-.00036	.00003
#2	.00153	.00031	.00128	.00102	-.00007	.00005	.00011	-.00201	.00000	-.00025	.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00214**	F **.05668**	**.06515**	**-.00103**	**.00144**	**.00013**	**.00096**	W **.16791**	**.00013**	**.00250**	**.00015**
Stddev	.00016	.00208	.01473	.00001	.00050	.00003	.00037	.00070	.00036	.00031	.00031
%RSD	7.6333	3.6720	22.607	.53599	34.770	22.662	38.275	.41817	272.39	12.539	208.02
#1	-.00225	.05815	.05473	-.00103	.00180	.00011	.00070	.16741	.00038	.00228	.00037
#2	-.00202	.05520	.07556	-.00102	.00109	.00016	.00122	.16841	-.00012	.00272	-.00007
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136	.03000						.09160			
Low Limit	-.00136	-.03000						-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01135**	**.00226**	**-.00287**	**-.01561**	**-.03339**	**.00030**	**.00002**	**.00098**	**.00043**	**-.00063**	**-.00188**
Stddev	.00070	.00051	.00056	.00488	.01045	.00166	.00000	.00054	.00019	.00080	.01982
%RSD	6.1761	22.650	19.395	31.303	31.303	556.58	22.530	55.064	43.899	126.41	1051.9
#1	.01085	.00190	-.00248	-.01906	-.04079	-.00088	.00002	.00136	.00030	-.00007	-.01590
#2	.01184	.00262	-.00327	-.01215	-.02600	.00147	.00002	.00060	.00057	-.00119	.01213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00028**	**.00141**	**.00112**
Stddev	.00031	.00015	.00143
%RSD	110.19	10.550	127.45
#1	-.00050	.00131	.00011
#2	-.00006	.00152	.00213
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4070.8**	**65092.**	**5946.2**
Stddev	6.1	340.	27.4
%RSD	.15023	.52281	.46014
#1	4075.2	64851.	5965.5
#2	4066.5	65333.	5926.8

Sample Name: CCVL1351092 Acquired: 4/9/2012 20:18:44 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01204**	**.10532**	**.01388**	**.09307**	**.01148**	**.00106**	**.10979**	**.20911**	**.00505**	**.01027**	**.01037**	**.01395**	**.11168**	**3.4083**
Stddev	.00012	.00028	.00284	.00022	.00014	.00012	.00144	.00128	.00002	.00025	.00008	.00007	.00093	.0282
%RSD	1.0044	.26247	20.459	.23626	1.1946	10.943	1.3127	.61095	.42191	2.4447	.77640	.52204	.83340	.82579
#1	.01212	.10513	.01187	.09322	.01158	.00097	.11081	.21002	.00503	.01045	.01031	.01390	.11234	3.4282
#2	.01195	.10552	.01588	.09291	.01139	.00114	.10877	.20821	.00506	.01010	.01043	.01400	.11103	3.3884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00923**	**.20235**	**.01064**	**.01971**	**1.2557**	**.04130**	**2.6949**	**.01050**	**.01137**	**.00944**	**.01427**	**.50300**	**1.0764**	**.10182**
Stddev	.00338	.00132	.00003	.00002	.0020	.00012	.0005	.00025	.00142	.00002	.00195	.02125	.0455	.00042
%RSD	36.636	.65346	.27012	.12558	.15999	.29832	.01948	2.4257	12.493	.15946	13.682	4.2246	4.2246	.41322
#1	.01161	.20142	.01062	.01969	1.2571	.04139	2.6945	.01032	.01238	.00945	.01565	.48798	1.0443	.10152
#2	.00684	.20329	.01066	.01973	1.2543	.04122	2.6953	.01068	.01037	.00943	.01289	.51803	1.1086	.10212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01113**	**.01584**	**.01000**	**.01636**	**.05172**	**.01032**	**.02072**	**.01461**
Stddev	.00014	.00103	.00021	.00006	.01576	.00070	.00075	.00075
%RSD	1.2434	6.5283	2.0691	.36885	30.467	6.7808	3.6129	5.1631
#1	.01103	.01511	.00985	.01640	.04057	.01081	.02125	.01514
#2	.01123	.01658	.01014	.01632	.06286	.00983	.02019	.01408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4090.9**	**65174.**	**6062.9**
Stddev	1.7	65.	49.8
%RSD	.04147	.09956	.82138
#1	4089.7	65220.	6098.1
#2	4092.1	65128.	6027.7

Sample Name: 280-27314-c-3-b Acquired: 4/9/2012 20:21:07 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.29456**	**.00128**	**.30040**	**.13334**	**.00010**	**.00092**	**162.90**	**.00111**	**.00013**
Stddev	.00043	.00062	.00492	.00198	.00150	.00001	.00268	1.09	.00002	.00008
%RSD	28.328	.20890	385.90	.65993	1.1241	11.944	290.67	.66929	2.0538	61.803
#1	.00120	.29412	.00476	.29900	.13228	.00011	-.00097	162.13	.00109	.00018
#2	.00180	.29499	-.00221	.30180	.13440	.00009	.00282	163.67	.00112	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00290**	**.03524**	**1.6982**	**42.503**	**-.00071**	**21.017**	**.10815**	**-.00023**	**88.059**	**.00399**
Stddev	.00009	.00076	.0198	.327	.00092	.092	.00033	.00003	.851	.00017
%RSD	3.0219	2.1649	1.1653	.77004	129.10	.43925	.30810	14.650	.96641	4.3776
#1	.00284	.03470	1.6843	42.272	-.00006	20.952	.10791	-.00025	87.457	.00411
#2	.00296	.03578	1.7122	42.735	-.00136	21.082	.10838	-.00020	88.661	.00386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29094**	**.00371**	**109.59**	**-.00007**	**.00044**	**4.2621**	**9.1210**	**-.00081**	**.63341**	**.00014**
Stddev	.00320	.00149	.02	.00145	.00094	.0407	.0871	.00071	.00719	.00194
%RSD	1.1000	40.284	.01895	2108.9	211.62	.95474	.95474	87.222	1.1354	1384.1
#1	.28868	.00477	109.61	.00095	.00111	4.2334	9.0594	-.00131	.62833	-.00123
#2	.29320	.00265	109.58	-.00109	-.00022	4.2909	9.1826	-.00031	.63850	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**.00142**	**-.00563**	**.01497**	**.08087**	**.00127**
Stddev	.00003	.00242	.03031	.00007	.00037	.00045
%RSD	1.8293	170.56	538.80	.46834	.45900	35.197
#1	.00176	-.00029	-.02706	.01492	.08061	.00158
#2	.00172	.00313	.01581	.01502	.08114	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3859.1**	**61315.**	**6049.5**
Stddev	5.3	18.	15.1
%RSD	.13862	.02896	.24970
#1	3855.4	61303.	6038.8
#2	3862.9	61328.	6060.1

Sample Name: 280-27314-c-4-b Acquired: 4/9/2012 20:23:29 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	W **2.5816**	W **3.0750**	**.00245**	**.13521**	**.08631**	**.00025**	**.00044**	**16.739**	**-.00003**
Stddev	.00018	.0045	.0010	.00002	.00030	.00033	.00001	.00122	.006	.00004
%RSD	11.455	.17307	.03395	.92050	.22462	.38795	5.7447	279.86	.03849	157.07
#1	.00172	2.5848	3.0758	.00244	.13499	.08608	.00026	-.00043	16.734	.00000
#2	.00146	2.5784	3.0743	.00247	.13542	.08655	.00024	.00130	16.743	-.00005
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.5000	500.00							
Low Limit		-.05000	3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00114**	**-.00043**	**1.4010**	**12.168**	**-.00130**	**2.9349**	**.00771**	**-.00005**	**36.856**
Stddev	.00014	.00003	.00041	.0080	.048	.00016	.0116	.00007	.00015	.075
%RSD	108.53	2.4100	96.548	.56753	.39112	12.256	.39459	.90755	279.42	.20303
#1	-.00003	.00112	-.00072	1.3954	12.202	-.00141	2.9267	.00776	.00005	36.803
#2	-.00023	.00116	-.00014	1.4067	12.135	-.00119	2.9431	.00766	-.00016	36.909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.09961**	**.00083**	**17.575**	**-.00109**	**-.00056**	**2.8845**	**6.1728**	**.00000**	**.11700**
Stddev	.00026	.00237	.00045	.013	.00244	.00136	.0066	.0142	.00124	.00019
%RSD	149.15	2.3747	54.617	.07373	224.47	241.93	.22999	.22999	89895.	.15952
#1	-.00001	.10128	.00115	17.566	.00064	-.00152	2.8798	6.1628	.00088	.11687
#2	.00036	.09794	.00051	17.584	-.00281	.00040	2.8892	6.1829	-.00088	.11713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.00154**	**.00088**	**.01040**	**.00429**	**.00264**	**.00148**
Stddev	.00084	.00023	.00048	.00966	.00014	.00030	.00205
%RSD	211.09	15.130	54.773	92.892	3.1735	11.443	137.92
#1	.00020	.00138	.00054	.01724	.00439	.00285	.00004
#2	-.00099	.00171	.00123	.00357	.00420	.00243	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4062.1**	**63991.**	**6176.5**
Stddev	2.4	216.	27.0
%RSD	.05869	.33758	.43772
#1	4063.7	64144.	6157.3
#2	4060.4	63838.	6195.6

Sample Name: 280-27314-c-5-b Acquired: 4/9/2012 20:25:51 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**1.6885**	**.00022**	**.10630**	**.05788**	**.00039**	**-.00133**	**36.966**	**.00020**	**-.00004**
Stddev	.00010	.0011	.00476	.00050	.00042	.00004	.00029	.055	.00012	.00014
%RSD	7.8718	.06500	2116.8	.46918	.71911	10.578	21.461	.14874	60.332	372.13
#1	.00137	1.6893	-.00314	.10595	.05759	.00042	-.00113	36.927	.00012	.00006
#2	.00122	1.6877	.00359	.10665	.05818	.00037	-.00154	37.005	.00029	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00379**	**-.00124**	**1.7744**	**9.0328**	**.00010**	**4.7897**	**.00612**	**-.00017**	**17.393**	**.00052**
Stddev	.00006	.00008	.0062	.0340	.00259	.0564	.00003	.00013	.032	.00019
%RSD	1.6166	6.0571	.34800	.37673	2691.1	1.1769	.45676	78.802	.18500	35.604
#1	.00383	-.00119	1.7700	9.0088	-.00174	4.8296	.00610	-.00027	17.415	.00039
#2	.00374	-.00130	1.7787	9.0569	.00193	4.7499	.00614	-.00008	17.370	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07115**	**.00039**	**41.975**	**-.00058**	**-.00293**	**2.6358**	**5.6405**	**-.00020**	**.13870**	**.00089**
Stddev	.00084	.00101	.055	.00039	.00119	.0292	.0624	.00073	.00011	.00088
%RSD	1.1816	260.73	.13213	67.031	40.752	1.1070	1.1070	358.14	.07870	98.560
#1	.07175	-.00033	41.936	-.00031	-.00209	2.6151	5.5964	.00031	.13862	.00027
#2	.07056	.00110	42.014	-.00086	-.00378	2.6564	5.6847	-.00072	.13878	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.00100**	**-.00944**	**.00708**	**.00357**	**.00183**
Stddev	.00013	.00125	.01030	.00002	.00023	.00104
%RSD	6.1095	124.34	109.20	.34922	6.3427	56.938
#1	.00209	.00012	-.01672	.00706	.00341	.00256
#2	.00228	.00189	-.00215	.00709	.00373	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.4**	**64560.**	**6145.6**
Stddev	9.5	392.	21.4
%RSD	.23447	.60747	.34859
#1	4056.7	64283.	6160.8
#2	4070.2	64837.	6130.5

Sample Name: 280-27314-c-6-b Acquired: 4/9/2012 20:28:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.59149**	**.00180**	**.02380**	**.01967**	**.00014**	**-.00136**	**3.7596**	**.00000**	**-.00003**
Stddev	.00021	.00019	.00035	.00022	.00028	.00004	.00140	.0165	.0000	.00010
%RSD	15.324	.03137	19.201	.93992	1.4347	32.640	103.18	.43817	2289.1	346.27
#1	.00155	.59136	.00204	.02364	.01947	.00017	-.00037	3.7480	.00003	-.00010
#2	.00124	.59162	.00156	.02396	.01987	.00010	-.00235	3.7713	-.00003	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**-.00145**	**1.0479**	**1.4745**	**.00147**	**1.9556**	**.00246**	**-.00008**	**19.462**	**.00033**
Stddev	.00008	.00002	.0041	.0081	.00103	.0008	.00001	.00014	.396	.00004
%RSD	7.9087	1.6596	.38978	.55111	70.130	.03829	.38344	174.16	2.0348	10.909
#1	.00112	-.00147	1.0508	1.4802	.00220	1.9562	.00246	-.00018	19.182	.00036
#2	.00100	-.00144	1.0451	1.4687	.00074	1.9551	.00245	.00002	19.742	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91717**	**-.00006**	**1.2086**	**-.00079**	**-.00122**	**3.4967**	**7.4829**	**.00013**	**.02802**	**.00040**
Stddev	.00088	.00102	.0002	.00056	.00081	.0150	.0321	.00113	.00014	.00149
%RSD	.09649	1628.9	.01642	71.911	66.408	.42907	.42907	878.05	.49917	374.90
#1	.91654	-.00079	1.2084	-.00119	-.00065	3.4861	7.4602	-.00067	.02792	.00145
#2	.91779	.00066	1.2087	-.00039	-.00179	3.5073	7.5057	.00093	.02812	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00026**	**-.00438**	**.00245**	**.00258**	**.00200**
Stddev	.00008	.00095	.00302	.00005	.00030	.00164
%RSD	14.003	363.14	69.100	2.1286	11.675	82.171
#1	.00050	-.00041	-.00651	.00249	.00237	.00084
#2	.00061	.00094	-.00224	.00242	.00280	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4084.7**	**64141.**	**5986.3**
Stddev	10.2	456.	24.8
%RSD	.24926	.71156	.41380
#1	4091.9	64463.	5968.8
#2	4077.5	63818.	6003.9

Sample Name: 280-27314-c-7-b Acquired: 4/9/2012 20:30:35 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**1.5015**	**.01909**	**.33439**	**.03764**	**.00014**	**.00127**	**80.543**	**.00092**	**.00418**
Stddev	.00028	.0098	.00226	.00193	.00018	.00002	.00044	.122	.00013	.00001
%RSD	19.486	.65255	11.821	.57649	.48397	15.910	34.980	.15104	14.105	.24265
#1	.00162	1.5085	.02069	.33576	.03777	.00013	.00096	80.629	.00101	.00419
#2	.00122	1.4946	.01750	.33303	.03751	.00016	.00159	80.457	.00082	.00417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00118**	**.00329**	**6.5143**	**15.423**	**.00087**	**2.9245**	**.02543**	**-.00011**	**46.452**	**.00639**
Stddev	.00002	.00011	.0256	.055	.00066	.0088	.00016	.00034	.189	.00002
%RSD	1.7579	3.2788	.39333	.35855	75.591	.29952	.64151	317.14	.40662	.37428
#1	.00119	.00337	6.5324	15.462	.00134	2.9307	.02555	-.00035	46.586	.00637
#2	.00116	.00322	6.4962	15.384	.00041	2.9183	.02532	.00013	46.318	.00640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13178**	**.00081**	**71.123**	**-.00042**	**.00017**	**6.7164**	**14.373**	**.00077**	**.47148**	**-.00046**
Stddev	.00079	.00129	.344	.00220	.00141	.0076	.016	.00148	.00214	.00097
%RSD	.60063	160.17	.48340	526.08	838.59	.11323	.11323	193.39	.45365	210.20
#1	.13234	-.00011	71.366	-.00198	-.00083	6.7110	14.362	-.00028	.47299	-.00115
#2	.13122	.00172	70.880	.00114	.00117	6.7218	14.385	.00181	.46997	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00175**	**.00324**	**-.00768**	**.00299**	**.03486**	**.00117**
Stddev	.00015	.00017	.00128	.00001	.00026	.00021
%RSD	8.7243	5.3635	16.698	.36784	.75521	17.959
#1	.00186	.00312	-.00858	.00300	.03467	.00102
#2	.00164	.00337	-.00677	.00298	.03504	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3974.4**	**62419.**	**6096.6**
Stddev	14.3	152.	51.3
%RSD	.35878	.24429	.84164
#1	3964.3	62311.	6132.9
#2	3984.5	62526.	6060.4

Sample Name: 280-27314-c-8-b Acquired: 4/9/2012 20:32:55 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**1.8871**	**.00392**	**.03070**	**.01103**	**.00028**	**-.00108**	**33.142**	**.00035**	**.00080**
Stddev	.00021	.0029	.00399	.00056	.00022	.00004	.00104	.140	.00003	.00023
%RSD	16.145	.15569	101.72	1.8285	2.0110	13.435	96.254	.42181	8.0523	28.691
#1	.00114	1.8892	.00674	.03109	.01087	.00031	-.00034	33.043	.00037	.00096
#2	.00144	1.8850	.00110	.03030	.01119	.00025	-.00181	33.241	.00033	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00204**	**.00144**	**1.3180**	**2.6871**	**.00255**	**3.4453**	**.01619**	**.00007**	**23.619**	**.00078**
Stddev	.00001	.00043	.0078	.0044	.00110	.0144	.00004	.00033	.271	.00021
%RSD	.29843	29.944	.59179	.16421	43.264	.41700	.22205	497.48	1.1492	26.391
#1	.00205	.00174	1.3125	2.6840	.00333	3.4554	.01622	-.00017	23.811	.00063
#2	.00204	.00113	1.3235	2.6902	.00177	3.4351	.01617	.00030	23.427	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03061**	**.00112**	**13.846**	**-.00213**	**-.00395**	**4.6238**	**9.8949**	**.00070**	**.11504**	**-.00069**
Stddev	.00154	.00007	.039	.00002	.00319	.0107	.0229	.00141	.00072	.00079
%RSD	5.0421	6.0096	.28243	1.0348	80.851	.23156	.23156	203.12	.62701	114.21
#1	.02952	.00116	13.874	-.00212	-.00169	4.6162	9.8787	-.00030	.11453	-.00125
#2	.03170	.00107	13.819	-.00215	-.00620	4.6314	9.9111	.00169	.11555	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**.00078**	**.00582**	**.00397**	**.06499**	**.00116**
Stddev	.00011	.00035	.00971	.00020	.00144	.00133
%RSD	7.4859	45.496	166.79	4.9301	2.2221	114.70
#1	.00143	.00103	.01268	.00411	.06601	.00022
#2	.00159	.00053	-.00104	.00384	.06397	.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.5**	**63942.**	**6127.5**
Stddev	7.0	206.	46.0
%RSD	.17113	.32155	.75077
#1	4073.6	63797.	6160.1
#2	4083.5	64087.	6095.0

Sample Name: 280-27314-c-9-b Acquired: 4/9/2012 20:35:16 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**.66031**	**.00164**	**.04465**	**.02085**	**.00010**	**-.00078**	**59.472**	**.00068**	**.00071**
Stddev	.00009	.00378	.00176	.00078	.00015	.00004	.00051	1.029	.00020	.00020
%RSD	6.7624	.57232	107.42	1.7550	.73261	36.548	65.489	1.7294	29.497	27.368
#1	.00135	.65764	.00039	.04520	.02096	.00012	-.00042	60.199	.00082	.00058
#2	.00123	.66298	.00288	.04409	.02075	.00007	-.00115	58.745	.00054	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.23593**	**1.0419**	**3.7416**	**.00019**	**6.9576**	**.02093**	**-.00015**	**21.736**	**.00121**
Stddev	.00002	.00019	.0168	.0301	.00136	.0307	.00010	.00002	.039	.00000
%RSD	1.0980	.08156	1.6083	.80545	700.54	.44113	.46418	15.520	.17961	.15752
#1	.00162	.23606	1.0538	3.7629	-.00076	6.9793	.02087	-.00016	21.708	.00121
#2	.00165	.23579	1.0301	3.7203	.00115	6.9359	.02100	-.00013	21.763	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15717**	**.01143**	**17.795**	**-.00077**	**-.00137**	**10.008**	**21.417**	**.00036**	**.24133**	**.00022**
Stddev	.00285	.00077	.002	.00192	.00213	.200	.428	.00053	.00379	.00112
%RSD	1.8112	6.7131	.00981	250.33	154.91	1.9983	1.9983	145.99	1.5705	518.08
#1	.15515	.01089	17.794	.00059	.00013	10.149	21.719	-.00001	.24401	.00101
#2	.15918	.01197	17.797	-.00212	-.00288	9.8663	21.114	.00073	.23865	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00163**	**.00089**	**-.02056**	**.00156**	**.67538**	**.00175**
Stddev	.00018	.00136	.00722	.00009	.00008	.00065
%RSD	11.164	153.50	35.119	5.5281	.01161	36.905
#1	.00176	.00185	-.02566	.00149	.67544	.00129
#2	.00150	-.00008	-.01545	.00162	.67532	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4046.1**	**62941.**	**6156.6**
Stddev	6.3	411.	72.6
%RSD	.15545	.65315	1.1800
#1	4050.6	62650.	6105.2
#2	4041.7	63232.	6207.9

Sample Name: 280-27314-c-10-b Acquired: 4/9/2012 20:37:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00621**	**-.00002**	**.00015**	**.00032**	**.00006**	**-.00070**	**.02597**	**-.00009**	**-.00018**
Stddev	.00008	.00018	.00112	.00011	.00021	.00001	.00141	.00212	.00008	.00017
%RSD	9.7234	2.8439	5403.5	74.137	65.735	11.075	200.75	8.1452	84.024	95.146
#1	.00083	.00609	-.00081	.00007	.00047	.00007	-.00170	.02746	-.00014	-.00031
#2	.00072	.00634	.00077	.00023	.00017	.00006	.00029	.02447	-.00004	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00170**	**.01403**	**.05719**	**-.00143**	**.00292**	**.00047**	**-.00020**	**.20063**	**.00015**
Stddev	.00001	.00000	.00132	.01655	.00063	.00188	.00001	.00016	.00463	.00021
%RSD	10.373	.19619	9.3750	28.943	43.964	64.425	1.4770	78.941	2.3062	135.70
#1	.00009	-.00170	.01310	.06890	-.00187	.00159	.00047	-.00032	.20390	.00030
#2	.00008	-.00170	.01496	.04549	-.00098	.00424	.00048	-.00009	.19736	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00243**	**.00018**	**.02307**	**-.00100**	**-.00252**	**-.00096**	**-.00205**	**.00104**	**.00008**	**.00026**
Stddev	.00104	.00095	.00098	.00139	.00143	.01331	.02848	.00008	.00003	.00011
%RSD	42.946	518.54	4.2344	138.69	56.786	1386.5	1386.5	7.7291	34.172	40.357
#1	.00169	.00085	.02238	-.00002	-.00151	.00845	.01808	.00098	.00006	.00034
#2	.00316	-.00049	.02376	-.00199	-.00353	-.01037	-.02219	.00109	.00010	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.00019**	**.00311**	**-.00008**	**.00384**	**.00090**
Stddev	.00017	.00058	.01746	.00026	.00004	.00142
%RSD	39.872	307.14	561.13	329.76	.98790	156.94
#1	.00031	.00022	-.00923	.00011	.00387	-.00010
#2	.00055	-.00060	.01546	-.00027	.00381	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4164.3**	**66279.**	**6180.5**
Stddev	.5	488.	106.5
%RSD	.01089	.73574	1.7231
#1	4164.7	65934.	6105.2
#2	4164.0	66624.	6255.8

Sample Name: CCVH-1326164 Acquired: 4/9/2012 20:40:00 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**52.902**	**-.00209**	**.00285**	**.00022**	**.00004**	**.98648**	**-.00443**	**-.00010**	**.00003**	**.00113**	**.00346**
Stddev	.00026	.222	.00259	.00107	.00005	.00007	.00133	.00036	.00011	.00031	.00008	.00023
%RSD	7.5249	.41960	123.90	37.390	24.740	198.32	.13494	8.1601	111.03	1029.5	6.6440	6.6125
#1	.00330	52.745	-.00392	.00210	.00025	-.00001	.98554	-.00468	-.00002	.00025	.00108	.00329
#2	.00367	53.059	-.00026	.00361	.00018	.00008	.98742	-.00417	-.00018	-.00019	.00119	.00362
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.982**	**.06742**	**.00078**	**.00445**	**-.00020**	**-.00080**	**262.88**	**.00200**	**.00578**	**-.00230**	**4.9014**	**-.00192**
Stddev	.130	.01876	.00188	.00352	.00004	.00008	1.19	.00007	.00082	.00163	.0205	.00062
%RSD	.24453	27.831	242.38	79.149	21.569	9.7095	.45327	3.6939	14.249	70.843	.41803	32.321
#1	52.890	.08069	-.00055	.00694	-.00023	-.00074	262.04	.00205	.00636	-.00115	4.9158	-.00148
#2	53.073	.05415	.00210	.00196	-.00017	-.00085	263.72	.00195	.00520	-.00345	4.8869	-.00236
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00778**	**.00856**	**.01831**	**.00237**	**.00040**	W **4.6742**	**.00403**	**.00144**	**10.456**	**.00231**	**.00088**	**-.18922**
Stddev	.00045	.00565	.01209	.00001	.00005	.0367	.00024	.00058	.069	.00004	.00046	.00142
%RSD	5.7776	66.016	66.016	.30259	12.852	.78572	5.9486	40.514	.65542	1.9070	52.205	.74917
#1	-.00810	.01255	.02686	.00237	.00044	4.6483	.00386	.00185	10.408	.00228	.00055	-.18822
#2	-.00747	.00456	.00976	.00238	.00037	4.7002	.00420	.00103	10.505	.00234	.00120	-.19022
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.2**	**62152.**	**6161.1**
Stddev	.7	459.	35.5
%RSD	.01726	.73771	.57552
#1	3991.7	62476.	6186.2
#2	3992.7	61828.	6136.0

Sample Name: CCV-1343805 Acquired: 4/9/2012 20:42:20 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51587**	**.50026**	**.93251**	**.48353**	**.54206**	**.50693**	**.00032**	**5.0979**	**.49555**	**.49359**	**.49547**	**.51368**	**2.6992**
Stddev	.00046	.00155	.00083	.00009	.00014	.00128	.00027	.0026	.00088	.00287	.00149	.00049	.0114
%RSD	.08900	.31026	.08927	.01934	.02501	.25339	85.445	.05010	.17823	.58174	.30076	.09549	.42169
#1	.51619	.50136	.93310	.48346	.54215	.50783	.00051	5.0998	.49618	.49562	.49652	.51403	2.7072
#2	.51554	.49917	.93192	.48359	.54196	.50602	.00013	5.0961	.49493	.49156	.49441	.51334	2.6911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.237**	**1.0361**	**19.821**	**.51090**	**.49122**	**5.1920**	**.49536**	**.95849**	**.93414**	**.01581**	**.97287**	**1.0287**	**5.0281**
Stddev	.120	.0001	.061	.00008	.00262	.0117	.00067	.00465	.00171	.00292	.00094	.0059	.0007
%RSD	.22461	.01178	.30661	.01619	.53377	.22487	.13610	.48544	.18352	18.444	.09636	.57379	.01320
#1	53.152	1.0362	19.864	.51084	.49307	5.1838	.49583	.96178	.93535	.01375	.97353	1.0329	5.0277
#2	53.322	1.0360	19.778	.51096	.48937	5.2003	.49488	.95520	.93292	.01788	.97221	1.0245	5.0286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.760**	**1.0029**	**.53236**	**.01478**	**.49038**	**1.0325**	**-.00779**	**.50407**	**.48081**	**.48406**
Stddev	.001	.0045	.00035	.00031	.00087	.0036	.00323	.00098	.00044	.00030
%RSD	.01320	.44394	.06626	2.0869	.17792	.34514	41.533	.19516	.09166	.06206
#1	10.759	1.0060	.53211	.01456	.48976	1.0350	-.01007	.50337	.48112	.48427
#2	10.761	.99975	.53261	.01500	.49100	1.0300	-.00550	.50476	.48049	.48384
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4098.6**	**63811.**	**6228.6**
Stddev	13.5	13.	10.0
%RSD	.33005	.01968	.16041
#1	4089.0	63802.	6221.5
#2	4108.2	63819.	6235.6

Sample Name: CCB Acquired: 4/9/2012 20:44:31 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00117	.00004	.00135	.00074	-.00009	.00006	-.00076	-.00071	.00011	-.00018	-.00010
Stddev	.00009	.00027	.00172	.00014	.00018	.00004	.00068	.00054	.00001	.00012	.00023
%RSD	7.6630	712.59	127.27	19.054	190.03	67.827	89.077	76.027	5.7398	63.955	223.12
#1	.00123	.00023	.00257	.00064	-.00022	.00003	-.00124	-.00033	.00010	-.00026	.00006
#2	.00111	-.00015	.00014	.00084	.00003	.00009	-.00028	-.00109	.00011	-.00010	-.00026
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00162	.00031	.05745	-.00085	.00075	.00001	.00089	W .12181	-.00018	-.00002	.00055
Stddev	.00042	.00098	.04519	.00098	.00169	.00003	.00017	.00257	.00027	.00020	.00147
%RSD	26.264	316.69	78.659	114.94	226.51	195.90	19.039	2.1081	146.54	949.67	265.72
#1	-.00132	-.00038	.08940	-.00155	-.00045	-.00001	.00077	.11999	.00001	-.00016	.00159
#2	-.00192	.00100	.02549	-.00016	.00194	.00003	.00101	.12362	-.00037	.00012	-.00049
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01220	.00203	.00009	-.00514	-.01099	.00078	-.00002	.00145	.00033	.00023	-.01381
Stddev	.00214	.00234	.00207	.00749	.01603	.00013	.00003	.00110	.00005	.00034	.00340
%RSD	17.569	115.08	2302.2	145.86	145.86	17.048	113.78	76.140	15.254	144.16	24.581
#1	.01068	.00038	.00155	-.01043	-.02232	.00068	.00000	.00223	.00030	.00047	-.01622
#2	.01372	.00368	-.00137	.00016	.00034	.00087	-.00004	.00067	.00037	.00000	-.01141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.00026	.00133	.00129
Stddev	.00048	.00003	.00053
%RSD	179.61	1.9832	41.383
#1	.00060	.00131	.00167
#2	-.00007	.00135	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4110.6	65493.	6064.5
Stddev	24.9	616.	32.2
%RSD	.60560	.93989	.53067
#1	4093.0	65057.	6041.7
#2	4128.2	65928.	6087.2

Sample Name: CCVL1351092 Acquired: 4/9/2012 20:46:55 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01151**	**.10535**	**.01584**	**.09282**	**.01116**	**.00108**	**.10771**	**.20589**	**.00508**	**.01020**	**.01032**	**.01414**	**.10936**
Stddev	.00007	.00255	.00001	.00009	.00010	.00005	.00140	.00284	.00007	.00004	.00020	.00037	.00135
%RSD	.56920	2.4242	.09199	.10078	.85688	5.0457	1.2968	1.3806	1.3690	.42734	1.9355	2.6510	1.2328
#1	.01155	.10354	.01583	.09276	.01109	.00104	.10869	.20388	.00503	.01017	.01018	.01441	.11031
#2	.01146	.10715	.01585	.09289	.01123	.00112	.10672	.20790	.00513	.01023	.01046	.01388	.10840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3345**	**.00955**	**.20512**	**.01078**	**.01957**	**1.1881**	**.04146**	**2.7174**	**.00951**	**.01421**	**.00767**	F **.00847**	**.48279**
Stddev	.0003	.00089	.00263	.00003	.00012	.0017	.00069	.0202	.00131	.00014	.00012	.00785	.00793
%RSD	.00825	9.3371	1.2802	.30408	.63151	.14607	1.6721	.74428	13.820	.97079	1.6270	92.751	1.6418
#1	3.3347	.01018	.20697	.01080	.01948	1.1893	.04097	2.7031	.00858	.01412	.00758	.01402	.47719
#2	3.3343	.00892	.20326	.01076	.01966	1.1869	.04195	2.7317	.01044	.01431	.00776	.00291	.48839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0332**	**.10189**	**.01091**	**.01604**	**.01009**	**.01566**	**.07517**	**.01003**	**.02118**	**.01667**
Stddev	.0170	.00217	.00006	.00017	.00005	.00108	.01831	.00026	.00061	.00082
%RSD	1.6418	2.1334	.51061	1.0439	.48777	6.9024	24.352	2.6381	2.8853	4.9110
#1	1.0212	.10036	.01095	.01615	.01013	.01489	.06223	.00985	.02075	.01725
#2	1.0452	.10343	.01087	.01592	.01006	.01642	.08812	.01022	.02161	.01609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4104.4**	**65179.**	**6205.2**
Stddev	38.3	312.	1.8
%RSD	.93395	.47859	.02885
#1	4131.6	64959.	6206.4
#2	4077.3	65400.	6203.9

Sample Name: lb 280-114424/1-c Acquired: 4/9/2012 20:49:18 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00347**	**-.00051**	W **.00707**	W **.00851**	**.00006**	**.00100**	W **.12238**	**.00005**	**-.00046**
Stddev	.00031	.00013	.00063	.00031	.00029	.00003	.00210	.00206	.00003	.00003
%RSD	24.224	3.6858	124.96	4.3460	3.4374	52.579	211.22	1.6821	68.255	6.5586
#1	.00106	.00338	-.00006	.00685	.00830	.00008	-.00049	.12092	.00002	-.00048
#2	.00150	.00356	-.00096	.00729	.00872	.00004	.00248	.12383	.00007	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.00500	.00500			.10000		
Low Limit				-.00500	-.00500			-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00144**	**.01765**	**.11354**	**-.00154**	**.01336**	**.00042**	**-.00025**	**170.24**	**.00010**
Stddev	.00001	.00008	.00087	.01049	.00063	.00087	.00006	.00019	.24	.00008
%RSD	3.6741	5.8937	4.9106	9.2369	40.691	6.5148	14.741	78.144	.13852	84.415
#1	.00040	.00150	.01704	.12095	-.00110	.01275	.00038	-.00039	170.08	.00004
#2	.00038	.00138	.01827	.10612	-.00198	.01398	.00047	-.00011	170.41	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	**.00106**	F **.04251**	**-.00174**	**.00090**	F **.01111**	**.02378**	**.00104**	**.00036**	**.00094**
Stddev	.00133	.00177	.00171	.00003	.00316	.02190	.04686	.00009	.00002	.00031
%RSD	78.504	167.34	4.0115	1.8343	350.40	197.07	197.07	8.7140	5.4060	33.007
#1	.00076	.00231	.04372	-.00172	-.00133	-.00437	-.00936	.00098	.00035	.00116
#2	.00264	-.00019	.04131	-.00177	.00314	.02660	.05691	.00111	.00037	.00072
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00098**	**.00384**	**-.00020**	W **.00504**	**.00007**
Stddev	.00009	.00165	.01085	.00010	.00034	.00104
%RSD	39.757	167.22	282.43	51.521	6.7508	1395.8
#1	.00015	-.00018	-.00383	-.00013	.00528	-.00066
#2	.00027	.00215	.01151	-.00027	.00480	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3971.6**	**62174.**	**6181.9**
Stddev	10.7	62.	40.2
%RSD	.26858	.10007	.65020
#1	3979.1	62218.	6210.3
#2	3964.0	62130.	6153.5

Sample Name: lcs 280-114424/2-c Acquired: 4/9/2012 20:51:44 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20057	W .36686	.72972	.18286	2.4522	.00941	.37633	9.3437	.21105	.09043
Stddev	.00032	.00010	.00351	.00168	.0117	.00002	.00557	.0498	.00202	.00020
%RSD	.15859	.02739	.48121	.92094	.47703	.23642	1.4794	.53353	.95745	.22497
#1	.20080	.36693	.73220	.18405	2.4439	.00939	.38027	9.3085	.21248	.09057
#2	.20035	.36679	.72723	.18167	2.4605	.00942	.37240	9.3790	.20962	.09028
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98957	.43930	.20123	10.010	.18948	F 8.6794	.09485	.18518	F 176.38	.09210
Stddev	.00533	.00208	.00397	.087	.00008	.0544	.00016	.00096	.57	.00018
%RSD	.53856	.47437	1.9705	.86626	.04191	.62686	.17053	.52003	.32576	.19921
#1	.99334	.44078	.19843	9.9483	.18954	8.6409	.09473	.18586	175.97	.09223
#2	.98580	.43783	.20404	10.071	.18943	8.7179	.09496	.18450	176.79	.09197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8237	F .97557	.04593	F .08286	.58173	F 1.8534	F 3.9663	.36896	.19700	.17528
Stddev	.0051	.00481	.00482	.00049	.00487	.0059	.0127	.00108	.00080	.00121
%RSD	.28121	.49256	10.491	.59202	.83755	.31906	.31906	.29247	.40539	.68972
#1	1.8273	.97897	.04252	.08251	.58517	1.8576	3.9753	.36820	.19644	.17443
#2	1.8201	.97217	.04934	.08321	.57828	1.8492	3.9574	.36972	.19757	.17614
Check ?	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		1.1550		.10800		2.3000	4.9220			
Low Limit		.99000		.08800		1.8800	4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18413	.36267	.38773	.09316	.46637	.08304
Stddev	.00047	.00465	.02018	.00003	.00427	.00009
%RSD	.25712	1.2831	5.2056	.02929	.91581	.11291
#1	.18379	.36596	.37346	.09318	.46335	.08297
#2	.18446	.35938	.40200	.09314	.46939	.08310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3941.1	61889.	6235.9
Stddev	13.9	92.	18.0
%RSD	.35238	.14854	.28868
#1	3931.3	61954.	6248.7
#2	3950.9	61824.	6223.2

Sample Name: 280-27317-a-1-d Acquired: 4/9/2012 20:54:02 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.05700**	**-.00030**	**.02315**	**.09812**	**.00006**	**.00023**	**7.7924**	**.00001**	**.00407**
Stddev	.00000	.00010	.00167	.00000	.00073	.00000	.00036	.0479	.00003	.00008
%RSD	.56434	.17926	552.78	.00574	.74456	4.5286	157.78	.61492	325.18	1.8875
#1	.00086	.05693	-.00148	.02315	.09760	.00006	-.00003	7.7586	.00003	.00401
#2	.00086	.05708	.00088	.02315	.09864	.00006	.00049	7.8263	-.00001	.00412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00297**	**.04564**	**1.0152**	**-.00085**	**1.4387**	**.55350**	**.00030**	**177.74**	**.00456**
Stddev	.00008	.00030	.00025	.0218	.00000	.0230	.00928	.00059	1.87	.00010
%RSD	39.830	10.075	.54162	2.1494	.24661	1.5988	1.6762	195.67	1.0493	2.2101
#1	.00026	.00276	.04582	.99979	-.00085	1.4224	.54694	-.00012	176.42	.00449
#2	.00014	.00318	.04547	1.0306	-.00085	1.4549	.56006	.00072	179.06	.00463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08594**	**.00073**	**.15279**	**-.00249**	**.00294**	**.57708**	**1.2350**	**.00041**	**.07316**	**.00131**
Stddev	.00047	.00075	.00110	.00070	.00084	.00671	.0144	.00056	.00054	.00054
%RSD	.54582	102.75	.71785	28.290	28.601	1.1631	1.1631	135.66	.73782	41.376
#1	.08627	.00125	.15202	-.00199	.00234	.58183	1.2451	.00002	.07277	.00169
#2	.08560	.00020	.15357	-.00299	.00353	.57233	1.2248	.00081	.07354	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00158**	**.00155**	**-.00693**	**.00134**	**.01742**	**.00115**
Stddev	.00005	.00026	.00094	.00019	.00078	.00063
%RSD	3.2345	16.887	13.541	14.248	4.4823	54.497
#1	.00161	.00136	-.00627	.00121	.01687	.00071
#2	.00154	.00173	-.00760	.00148	.01797	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3942.8**	**61675.**	**6191.3**
Stddev	.7	880.	4.3
%RSD	.01819	1.4276	.06951
#1	3943.3	62297.	6194.4
#2	3942.3	61052.	6188.3

Sample Name: 280-27317-a-2-d Acquired: 4/9/2012 20:56:27 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.06281**	**.00005**	**.02458**	**.16059**	**.00006**	**-.00143**	**14.133**	**.00047**	**.00759**
Stddev	.00010	.00005	.00043	.00014	.00087	.00009	.00037	.082	.00006	.00011
%RSD	8.6685	.08155	824.71	.57794	.54240	156.77	26.137	.58149	12.045	1.3994
#1	.00118	.06284	.00036	.02448	.16121	-.00001	-.00170	14.191	.00043	.00766
#2	.00104	.06277	-.00025	.02468	.15998	.00012	-.00117	14.075	.00051	.00751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00390**	**.06171**	**.90311**	**-.00072**	**3.2374**	**.64391**	**-.00050**	**172.84**	**.00987**
Stddev	.00002	.00017	.00064	.02148	.00017	.0122	.00209	.00052	1.09	.00004
%RSD	7.4324	4.3935	1.0349	2.3779	23.881	.37560	.32400	104.90	.63229	.41036
#1	.00033	.00402	.06126	.88792	-.00084	3.2460	.64539	-.00087	173.62	.00990
#2	.00029	.00378	.06216	.91829	-.00059	3.2288	.64244	-.00013	172.07	.00985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00984**	**.00078**	**.18701**	**-.00101**	W **-.00656**	**.68065**	**1.4566**	**.00098**	**.09424**	**.00055**
Stddev	.00095	.00029	.00309	.00406	.00550	.01665	.0356	.00117	.00065	.00000
%RSD	9.6650	37.226	1.6515	402.31	83.908	2.4467	2.4467	118.55	.69470	.09957
#1	.00917	.00057	.18919	-.00388	-.00267	.66888	1.4314	.00181	.09470	.00055
#2	.01051	.00098	.18482	.00186	-.01045	.69243	1.4818	.00016	.09378	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**.00051**	**-.01536**	**.00073**	**.01713**	**.00228**
Stddev	.00032	.00158	.01199	.00019	.00050	.00042
%RSD	12.800	310.48	78.038	26.269	2.9194	18.517
#1	.00228	.00163	-.02384	.00060	.01748	.00198
#2	.00274	-.00061	-.00689	.00087	.01677	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3947.9**	**61156.**	**6210.1**
Stddev	8.3	112.	16.1
%RSD	.20997	.18321	.25872
#1	3942.0	61235.	6198.7
#2	3953.7	61076.	6221.4

Sample Name: 280-27317-a-3-d Acquired: 4/9/2012 20:58:50 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.10999**	**.00064**	**.03339**	**.11172**	**.00006**	**.00187**	**7.4275**	**.00016**	**.00444**
Stddev	.00047	.00006	.00012	.00004	.00099	.00003	.00011	.0524	.00003	.00003
%RSD	53.915	.05512	19.295	.13405	.88250	46.913	6.1298	.70502	15.590	.65776
#1	.00054	.10994	.00073	.03343	.11102	.00009	.00179	7.3905	.00018	.00446
#2	.00120	.11003	.00055	.03336	.11242	.00004	.00195	7.4646	.00014	.00442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00496**	**.08912**	**1.1822**	**.00009**	**1.5667**	**.55300**	**-.00016**	**178.83**	**.00497**
Stddev	.00019	.00054	.00015	.0253	.00091	.0088	.00226	.00035	1.54	.00011
%RSD	45.646	10.862	.16336	2.1358	1058.5	.56330	.40933	219.94	.85938	2.2410
#1	.00028	.00458	.08902	1.2001	.00073	1.5604	.55140	.00009	177.74	.00505
#2	.00055	.00534	.08923	1.1644	-.00056	1.5729	.55460	-.00041	179.92	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12310**	**.00368**	**.21114**	**-.00058**	**-.00222**	**.72001**	**1.5408**	**.00015**	**.07194**	**-.00001**
Stddev	.00002	.00041	.00103	.00133	.00292	.01020	.0218	.00025	.00063	.00025
%RSD	.01703	11.013	.48944	227.28	131.42	1.4171	1.4171	165.58	.87413	5078.6
#1	.12312	.00339	.21041	-.00152	-.00016	.71280	1.5254	.00033	.07149	.00018
#2	.12309	.00397	.21187	.00035	-.00429	.72723	1.5563	-.00003	.07238	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00374**	**.00021**	**.00137**	**.00133**	**.03722**	**.00026**
Stddev	.00007	.00015	.00471	.00020	.00007	.00175
%RSD	1.9317	74.170	344.40	14.817	.20095	662.73
#1	.00368	.00010	.00470	.00119	.03717	.00150
#2	.00379	.00031	-.00196	.00147	.03727	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3945.4**	**61657.**	**6150.6**
Stddev	8.1	261.	62.6
%RSD	.20468	.42394	1.0172
#1	3951.1	61842.	6194.8
#2	3939.7	61472.	6106.4

Sample Name: 280-27317-a-5-f Acquired: 4/9/2012 21:01:13 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.19491**	**.00085**	**.01756**	**.08746**	**.00011**	**.00033**	**7.5633**	**.00005**	**.00302**
Stddev	.00040	.00079	.00030	.00034	.00000	.00005	.00496	.0090	.00008	.00013
%RSD	36.934	.40610	35.367	1.9297	.00262	48.863	1488.6	.11909	158.13	4.2500
#1	.00080	.19547	.00064	.01732	.08746	.00007	-.00317	7.5697	.00010	.00311
#2	.00136	.19435	.00107	.01780	.08745	.00015	.00384	7.5570	-.00001	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00342**	**.14302**	**.99501**	**-.00159**	**1.4617**	**.49239**	**-.00020**	**176.33**	**.00411**
Stddev	.00002	.00007	.00029	.00541	.00117	.0037	.00166	.00017	.00	.00030
%RSD	4.4539	1.9800	.20592	.54394	73.278	.25501	.33622	84.070	.00036	7.2112
#1	.00040	.00347	.14323	.99884	-.00242	1.4591	.49356	-.00032	176.33	.00390
#2	.00038	.00337	.14281	.99118	-.00077	1.4643	.49122	-.00008	176.34	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22693**	**.00053**	**.17517**	**-.00054**	**-.00217**	**.87545**	**1.8735**	**.00037**	**.07066**	**.00035**
Stddev	.00175	.00069	.00007	.00012	.00346	.00729	.0156	.00052	.00010	.00030
%RSD	.77026	129.48	.04249	21.722	159.90	.83232	.83232	139.46	.13650	85.173
#1	.22817	.00004	.17523	-.00062	.00028	.87030	1.8624	.00001	.07059	.00056
#2	.22570	.00102	.17512	-.00046	-.00461	.88061	1.8845	.00074	.07073	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00614**	**-.00013**	**-.01094**	**.00084**	**.01674**	**.00053**
Stddev	.00059	.00064	.02159	.00002	.00106	.00088
%RSD	9.5330	506.91	197.28	1.9487	6.3189	164.87
#1	.00573	-.00057	.00432	.00083	.01599	-.00009
#2	.00656	.00032	-.02620	.00085	.01749	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3928.2**	**61685.**	**6214.8**
Stddev	.7	19.	44.3
%RSD	.01812	.03000	.71343
#1	3928.7	61671.	6246.2
#2	3927.7	61698.	6183.5

Sample Name: 280-27317-a-5-fSD@5 Acquired: 4/9/2012 21:03:37 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.04195**	**-.00053**	**.00385**	**.01744**	**.00005**	**.00223**	**1.5147**	**-.00007**	**.00058**
Stddev	.00052	.00024	.00032	.00022	.00031	.00007	.00093	.0152	.00005	.00012
%RSD	50.915	.57518	60.094	5.6701	1.8029	141.90	41.922	1.0064	75.039	20.975
#1	.00065	.04212	-.00031	.00400	.01722	.00010	.00157	1.5039	-.00011	.00066
#2	.00138	.04178	-.00076	.00369	.01767	.00000	.00289	1.5255	-.00003	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.00065**	**.03405**	**.24410**	**-.00045**	**.31059**	**.09983**	**-.00009**	**35.866**	**.00096**
Stddev	.00003	.00012	.00125	.01852	.00136	.00015	.00044	.00017	.402	.00027
%RSD	5.1958	19.069	3.6657	7.5869	301.53	.04843	.44409	177.87	1.1209	27.900
#1	.00049	-.00074	.03317	.25720	-.00141	.31048	.10014	-.00021	35.582	.00077
#2	.00052	-.00056	.03493	.23101	.00051	.31070	.09951	.00002	36.150	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04726**	**.00085**	**.04643**	**-.00197**	**-.00312**	**.17934**	**.38379**	**.00032**	**.01400**	**.00000**
Stddev	.00318	.00127	.00028	.00172	.00269	.01544	.03304	.00034	.00017	.0005
%RSD	6.7379	149.83	.61112	86.988	86.159	8.6076	8.6076	105.87	1.2384	151600.
#1	.04501	-.00005	.04663	-.00319	-.00503	.19026	.40715	.00008	.01388	.00038
#2	.04951	.00175	.04623	-.00076	-.00122	.16843	.36043	.00056	.01412	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**.00015**	**-.01128**	**.00010**	**.00494**	**-.00028**
Stddev	.00016	.00029	.00109	.00022	.00023	.00047
%RSD	10.000	192.12	9.6559	218.44	4.7421	167.28
#1	.00168	.00036	-.01205	-.00006	.00511	-.00061
#2	.00146	-.00005	-.01051	.00026	.00477	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.3**	**64194.**	**6233.8**
Stddev	10.4	165.	45.0
%RSD	.25603	.25635	.72222
#1	4064.9	64078.	6265.6
#2	4079.7	64310.	6202.0

Sample Name: 280-27317-a-5-g ms Acquired: 4/9/2012 21:06:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20749	.57372	.75006	.20006	2.5935	.00977	F .38985	16.846	.21820	.09600
Stddev	.00085	.00007	.00115	.00141	.0129	.00006	.00014	.077	.00047	.00001
%RSD	.40801	.01255	.15366	.70303	.49649	.56323	.03566	.45734	.21388	.01409
#1	.20689	.57377	.74925	.20105	2.5844	.00981	.38975	16.791	.21787	.09599
#2	.20809	.57367	.75088	.19907	2.6027	.00973	.38995	16.900	.21853	.09601
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0181	.45592	.34520	11.121	.19720	10.305	.56612	.19102	179.94	.09856
Stddev	.0004	.00045	.00091	.071	.00361	.015	.00007	.00034	.68	.00001
%RSD	.04276	.09835	.26278	.63521	1.8294	.14130	.01189	.17795	.37729	.01273
#1	1.0184	.45624	.34456	11.071	.19465	10.315	.56617	.19126	179.46	.09855
#2	1.0178	.45561	.34584	11.171	.19975	10.294	.56608	.19077	180.42	.09857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0957	1.0028	.17335	.08593	.60228	2.8029	5.9982	.37837	.26943	.18077
Stddev	.0018	.0012	.00566	.00270	.00331	.0093	.0199	.00070	.00129	.00194
%RSD	.08542	.11773	3.2674	3.1402	.54973	.33188	.33188	.18428	.47825	1.0736
#1	2.0969	1.0037	.16934	.08402	.60462	2.7963	5.9841	.37787	.26852	.18214
#2	2.0944	1.0020	.17735	.08784	.59993	2.8095	6.0122	.37886	.27034	.17940
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19567	.37449	.38453	.09773	.49352	.08578
Stddev	.00069	.00459	.02321	.00043	.00114	.00084
%RSD	.35046	1.2245	6.0348	.44373	.23049	.97862
#1	.19615	.37774	.40094	.09742	.49432	.08518
#2	.19518	.37125	.36812	.09803	.49271	.08637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3899.0	61251.	6125.5
Stddev	2.7	102.	.2
%RSD	.07034	.16585	.00405
#1	3900.9	61323.	6125.7
#2	3897.1	61179.	6125.3

Sample Name: 280-27317-a-5-h msd Acquired: 4/9/2012 21:08:16 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20238	.55366	.74098	.19512	2.4929	.00937	F .38028	16.255	.21241	.09302
Stddev	.00068	.00347	.00079	.00158	.0026	.00008	.00103	.009	.00103	.00053
%RSD	.33742	.62625	.10626	.81164	.10482	.89316	.27197	.05712	.48588	.57248
#1	.20286	.55611	.74042	.19623	2.4910	.00931	.38102	16.262	.21314	.09339
#2	.20190	.55121	.74154	.19400	2.4947	.00943	.37955	16.249	.21168	.09264
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98315	.44440	.33028	10.675	.18755	9.9913	.54853	.18500	173.49	.09566
Stddev	.00481	.00046	.00047	.020	.00113	.0075	.00086	.00066	.78	.00026
%RSD	.48954	.10253	.14239	.18455	.60203	.07521	.15603	.35867	.44849	.27149
#1	.98655	.44473	.32995	10.689	.18676	9.9966	.54913	.18547	172.94	.09547
#2	.97974	.44408	.33062	10.661	.18835	9.9860	.54792	.18453	174.04	.09584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0332	.97902	.16720	.08471	.57365	2.7062	5.7912	.36736	.25913	.17719
Stddev	.0127	.00225	.00210	.00131	.00494	.0157	.0336	.00340	.00015	.00047
%RSD	.62692	.22934	1.2568	1.5432	.86126	.58010	.58010	.92613	.05860	.26512
#1	2.0422	.98061	.16869	.08563	.57714	2.7173	5.8150	.36976	.25902	.17752
#2	2.0242	.97744	.16571	.08378	.57016	2.6951	5.7675	.36495	.25923	.17686
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19115	.36499	.38024	.09397	.47552	.08465
Stddev	.00088	.00389	.01611	.00078	.00000	.00047
%RSD	.45798	1.0653	4.2372	.83396	.00093	.55303
#1	.19177	.36774	.36885	.09342	.47553	.08498
#2	.19053	.36224	.39163	.09452	.47552	.08432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3894.5	61261.	6182.4
Stddev	15.4	68.	25.3
%RSD	.39579	.11076	.40883
#1	3883.6	61213.	6164.5
#2	3905.4	61309.	6200.3

Sample Name: 280-27317-a-5-fPDS Acquired: 4/9/2012 21:10:31 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04820**	**1.2939**	**.22749**	**.11840**	**.21246**	**.05999**	**-.00175**	**30.826**	**.05950**	**.05969**
Stddev	.00020	.0039	.00723	.00007	.00031	.00003	.00050	.087	.00028	.00001
%RSD	.41308	.30219	3.1792	.06155	.14360	.04617	28.678	.28298	.46869	.02310
#1	.04834	1.2911	.22238	.11835	.21268	.06001	-.00211	30.764	.05930	.05968
#2	.04806	1.2966	.23261	.11845	.21225	.05997	-.00140	30.888	.05970	.05970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05896**	**.06486**	**1.3823**	**25.953**	**.12100**	**23.320**	**.54118**	**.05125**	**199.65**	**.06148**
Stddev	.00018	.00034	.0007	.013	.00128	.087	.00240	.00013	.01	.00032
%RSD	.30032	.52969	.04876	.04892	1.0586	.37521	.44333	.25007	.00346	.52391
#1	.05909	.06462	1.3828	25.944	.12009	23.382	.54288	.05116	199.64	.06171
#2	.05884	.06511	1.3819	25.962	.12190	23.259	.53948	.05134	199.65	.06126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5476**	**.10837**	**.18263**	**.10143**	**.24251**	**6.0374**	**12.920**	**.10105**	**.13424**	**.22606**
Stddev	.0073	.00144	.00525	.00215	.00300	.0113	.024	.00217	.00014	.00087
%RSD	.28720	1.3251	2.8751	2.1233	1.2352	.18753	.18753	2.1476	.10161	.38651
#1	2.5424	.10736	.18634	.10296	.24039	6.0454	12.937	.10258	.13434	.22544
#2	2.5528	.10939	.17891	.09991	.24462	6.0294	12.903	.09951	.13415	.22668
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05816**	**.22758**	**.59826**	**.06191**	**.24224**	**.04318**
Stddev	.00037	.00005	.00780	.00006	.00061	.00049
%RSD	.63123	.02165	1.3034	.09841	.25042	1.1405
#1	.05842	.22762	.60377	.06187	.24267	.04353
#2	.05790	.22755	.59275	.06195	.24181	.04283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3876.7**	**61151.**	**6262.2**
Stddev	12.0	66.	39.4
%RSD	.31071	.10784	.62983
#1	3885.2	61105.	6290.1
#2	3868.2	61198.	6234.3

Sample Name: CCVH-1326164 Acquired: 4/9/2012 21:12:50 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00396**	**53.309**	**-.00117**	**.00184**	**.00045**	**.00003**	**1.0192**	**.00410**	**.00007**	**.00024**	**.00110**	**.00459**
Stddev	.00030	.238	.00040	.00037	.00010	.00002	.0106	.00280	.00006	.00011	.00008	.00009
%RSD	7.5107	.44654	34.062	20.350	21.747	58.747	1.0404	68.342	85.674	45.352	7.1804	1.8914
#1	.00417	53.141	-.00089	.00210	.00052	.00002	1.0267	.00608	.00012	.00032	.00116	.00453
#2	.00375	53.477	-.00145	.00157	.00038	.00004	1.0117	.00212	.00003	.00016	.00105	.00466
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.279**	**.13392**	**-.00145**	**.01498**	**.00006**	**-.00043**	**265.61**	**.00215**	**.00329**	**-.00208**	**5.0084**	**-.00047**
Stddev	.177	.00411	.00084	.00119	.00004	.00013	.99	.00029	.00113	.00102	.0298	.00188
%RSD	.33248	3.0681	58.149	7.9616	66.717	31.454	.37252	13.670	34.379	49.375	.59526	401.60
#1	53.154	.13683	-.00085	.01582	.00008	-.00033	264.92	.00194	.00409	-.00135	5.0295	.00086
#2	53.404	.13102	-.00204	.01414	.00003	-.00052	266.31	.00236	.00249	-.00280	4.9873	-.00179
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00472**	**.00482**	**.01032**	**.00334**	**.00044**	**4.8055**	**.00290**	**.00130**	W **10.553**	**.00291**	**.00135**	**-.19149**
Stddev	.00171	.00401	.00859	.00033	.00004	.0019	.00019	.00016	.025	.00005	.00068	.00027
%RSD	36.246	83.260	83.260	9.9501	8.1984	.03980	6.5996	12.466	.23811	1.7226	50.451	.14333
#1	-.00351	.00766	.01639	.00358	.00046	4.8041	.00277	.00119	10.535	.00295	.00183	-.19169
#2	-.00593	.00198	.00424	.00311	.00041	4.8068	.00304	.00141	10.571	.00288	.00087	-.19130
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3933.3**	**62364.**	**6276.9**
Stddev	.1	288.	35.5
%RSD	.00197	.46227	.56514
#1	3933.3	62568.	6302.0
#2	3933.2	62160.	6251.8

Sample Name: CCV-1343805 Acquired: 4/9/2012 21:15:10 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51999**	**.51535**	**.96257**	**.49776**	**.53675**	**.50776**	**.00122**	**5.1095**	**.50445**	**.50272**	**.50382**	**.51921**	**2.6569**
Stddev	.00053	.00096	.00198	.00225	.00073	.00253	.00202	.0284	.00088	.00062	.00002	.00038	.0011
%RSD	.10172	.18614	.20561	.45169	.13656	.49877	165.80	.55564	.17477	.12309	.00491	.07397	.04227
#1	.52037	.51467	.96117	.49935	.53726	.50956	-.00021	5.1296	.50508	.50229	.50380	.51948	2.6577
#2	.51962	.51603	.96397	.49617	.53623	.50597	.00265	5.0895	.50383	.50316	.50383	.51894	2.6562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.761**	**1.0385**	**20.000**	**.51244**	**.49995**	**5.2691**	**.50457**	**.97619**	**.96448**	**.01659**	**1.0003**	**1.0350**	**5.0439**
Stddev	.076	.0027	.080	.00108	.00044	.0262	.00082	.00261	.00138	.00046	.0036	.0034	.0166
%RSD	.14430	.25722	.40161	.21067	.08823	.49665	.16232	.26719	.14300	2.7857	.35632	.33261	.32880
#1	52.815	1.0404	19.943	.51167	.50026	5.2877	.50515	.97803	.96351	.01626	1.0029	1.0326	5.0556
#2	52.707	1.0366	20.057	.51320	.49963	5.2506	.50399	.97434	.96546	.01691	.99781	1.0375	5.0322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.794**	**1.0166**	**.52830**	**.01378**	**.49847**	**1.0502**	**-.00092**	**.50710**	**.48719**	**.49005**
Stddev	.035	.0035	.00091	.00097	.00172	.0004	.02438	.00158	.00226	.00218
%RSD	.32880	.33995	.17235	7.0230	.34525	.04152	2641.9	.31139	.46419	.44564
#1	10.819	1.0190	.52894	.01310	.49725	1.0499	.01631	.50599	.48559	.49160
#2	10.769	1.0141	.52765	.01446	.49968	1.0505	-.01816	.50822	.48879	.48851
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.1**	**63250.**	**6232.3**
Stddev	11.1	60.	6.5
%RSD	.27618	.09526	.10399
#1	4030.9	63293.	6227.7
#2	4015.2	63207.	6236.9

Sample Name: CCB Acquired: 4/9/2012 21:17:21 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00126**	**.00349**	**.00138**	**.00078**	**-.00008**	**.00008**	**-.00077**	**-.00105**	**.00013**	**-.00012**	**.00000**
Stddev	.00004	.00025	.00213	.00003	.00022	.00004	.00142	.00335	.00008	.00000	.00002
%RSD	3.0268	7.0809	154.09	3.9400	269.05	46.364	184.10	319.43	58.300	3.7144	1983.3
#1	.00123	.00332	.00289	.00076	.00007	.00011	-.00178	-.00341	.00008	-.00012	.00002
#2	.00128	.00367	-.00012	.00080	-.00024	.00006	.00023	.00132	.00019	-.00011	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00177**	**.00427**	**.07003**	**-.00153**	**-.00090**	**.00004**	**.00111**	W **.16623**	**.00015**	**.00169**	**.00252**
Stddev	.00036	.00135	.01101	.00089	.00185	.00002	.00064	.01871	.00007	.00179	.00082
%RSD	20.375	31.522	15.725	58.414	204.29	46.266	57.800	11.254	43.054	105.51	32.612
#1	-.00152	.00522	.07782	-.00090	.00040	.00003	.00066	.17946	.00020	.00043	.00311
#2	-.00203	.00332	.06225	-.00216	-.00221	.00006	.00157	.15300	.00011	.00296	.00194
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00736**	**.00028**	**-.00161**	**.00715**	**.01531**	**.00033**	**.00000**	**.00164**	**.00023**	**.00111**	**-.01718**
Stddev	.00112	.00166	.00294	.00248	.00531	.00020	.00002	.00062	.00008	.00130	.00503
%RSD	15.183	602.03	182.96	34.681	34.681	61.249	719.93	37.890	36.132	116.60	29.265
#1	.00657	-.00090	.00047	.00540	.01155	.00019	-.00001	.00208	.00028	.00203	-.02074
#2	.00815	.00145	-.00369	.00891	.01906	.00048	.00001	.00120	.00017	.00019	-.01363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00002**	**.00188**	**.00066**
Stddev	.00007	.00025	.00098
%RSD	347.02	13.184	150.17
#1	.00003	.00171	-.00004
#2	-.00007	.00206	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.1**	**64664.**	**6086.0**
Stddev	6.1	256.	10.7
%RSD	.15195	.39582	.17587
#1	4043.4	64483.	6093.6
#2	4034.8	64845.	6078.4

Sample Name: CCVL-1351092 Acquired: 4/9/2012 21:19:46 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01142**	**.10647**	**.01366**	**.09257**	**.01112**	**.00108**	**.10856**	**.21203**	**.00502**	**.01029**	**.01027**	**.01366**	**.11385**
Stddev	.00016	.00013	.00030	.00062	.00007	.00007	.00008	.00125	.00000	.00018	.00002	.00008	.00354
%RSD	1.3920	.12373	2.1658	.66727	.60588	6.8523	.07112	.58838	.07904	1.7888	.20218	.59580	3.1062
#1	.01153	.10637	.01345	.09300	.01117	.00113	.10861	.21115	.00502	.01016	.01028	.01361	.11635
#2	.01130	.10656	.01387	.09213	.01108	.00103	.10850	.21291	.00501	.01042	.01025	.01372	.11134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3619**	**.00999**	**.20310**	**.01067**	**.01949**	**1.2610**	**.04108**	**2.6952**	**.01106**	**.00781**	**.00966**	**.01196**	**.49955**
Stddev	.0022	.00175	.00554	.00020	.00008	.0105	.00028	.0037	.00041	.00328	.00024	.00261	.00121
%RSD	.06445	17.488	2.7261	1.8572	.39173	.83487	.67467	.13566	3.6634	42.034	2.4415	21.861	.24277
#1	3.3634	.00876	.19919	.01053	.01943	1.2536	.04128	2.6926	.01135	.01013	.00949	.01381	.49869
#2	3.3604	.01123	.20702	.01081	.01954	1.2685	.04088	2.6978	.01077	.00549	.00982	.01011	.50041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0690**	**.10104**	**.01091**	**.01584**	**.01019**	**.01532**	F **.08209**	**.01009**	**.02136**	**.01473**
Stddev	.0026	.00171	.00001	.00136	.00030	.00089	.00192	.00016	.00015	.00049
%RSD	.24277	1.6903	.08267	8.5877	2.9449	5.8001	2.3419	1.5982	.68936	3.3086
#1	1.0672	.10225	.01090	.01488	.00998	.01470	.08073	.00998	.02146	.01439
#2	1.0709	.09983	.01091	.01680	.01040	.01595	.08345	.01020	.02126	.01508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.9**	**64939.**	**6095.2**
Stddev	.9	185.	39.1
%RSD	.02144	.28516	.64212
#1	4073.5	65070.	6067.5
#2	4072.3	64808.	6122.8

Sample Name: mb 280-114547/1-a Acquired: 4/9/2012 21:22:09 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.00306**	**.00076**	**.00015**	**.00003**	**.00006**	**.00013**	**.00302**	**-.00002**	**-.00019**
Stddev	.00040	.00023	.00354	.00006	.00009	.00008	.00289	.00048	.00009	.00006
%RSD	35.043	7.3613	464.42	36.345	305.20	147.20	2296.4	15.891	442.87	29.157
#1	.00142	.00322	-.00174	.00011	.00009	.00012	-.00192	.00268	-.00008	-.00023
#2	.00085	.00290	.00326	.00019	-.00003	.00000	.00217	.00336	.00004	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00171**	**.00691**	**.04717**	**-.00298**	**.00084**	**.00004**	**.00014**	**.13654**	**-.00004**
Stddev	.00004	.00037	.00190	.01502	.00168	.00094	.00002	.00021	.00086	.00028
%RSD	148.71	21.821	27.453	31.844	56.147	112.09	49.435	150.44	.62660	764.22
#1	.00005	-.00197	.00557	.03655	-.00417	.00150	.00002	-.00001	.13715	.00016
#2	.00000	-.00145	.00826	.05779	-.00180	.00017	.00005	.00029	.13594	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00057**	F **.01110**	**-.00112**	**-.00341**	F **-.01049**	**-.02245**	**.00029**	**-.00004**	**.00209**
Stddev	.00169	.00030	.00237	.00028	.00113	.00818	.01751	.00032	.00000	.00106
%RSD	361.68	51.981	21.377	24.755	33.006	77.996	77.996	111.69	7.2367	50.874
#1	-.00073	.00078	.01277	-.00131	-.00421	-.00470	-.01007	.00051	-.00004	.00134
#2	.00166	.00036	.00942	-.00092	-.00262	-.01627	-.03482	.00006	-.00004	.00284
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00003**	**-.01062**	**.00003**	**.00301**	**.00141**
Stddev	.00003	.00100	.00564	.00021	.00020	.00057
%RSD	6.9686	3872.8	53.117	600.97	6.6470	40.158
#1	.00047	-.00068	-.00663	-.00011	.00315	.00182
#2	.00043	.00073	-.01461	.00018	.00287	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4113.4**	**65770.**	**6144.5**
Stddev	19.6	1149.	34.6
%RSD	.47670	1.7468	.56332
#1	4127.3	66582.	6169.0
#2	4099.6	64957.	6120.0

Sample Name: lcs 280-114547/2-a Acquired: 4/9/2012 21:24:35 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05516**	**1.9234**	**.98489**	**.99734**	**2.1612**	**.05184**	**2.1312**	**50.777**	**.10360**	**.49863**
Stddev	.00008	.0233	.00742	.01602	.0053	.00013	.0357	.050	.00124	.00624
%RSD	.14082	1.2097	.75349	1.6063	.24541	.24577	1.6728	.09846	1.1927	1.2522
#1	.05511	1.9069	.97965	.98602	2.1650	.05193	2.1060	50.812	.10273	.49422
#2	.05522	1.9398	.99014	1.0087	2.1575	.05175	2.1564	50.742	.10448	.50305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20401**	**.26498**	**1.0654**	**53.718**	**1.0561**	**49.675**	**.52353**	**1.0263**	**54.009**	**.50685**
Stddev	.00266	.00034	.0089	.147	.0023	.054	.00058	.0128	.454	.00658
%RSD	1.3052	.12851	.83938	.27370	.21379	.10865	.11000	1.2489	.84144	1.2974
#1	.20213	.26474	1.0717	53.822	1.0577	49.713	.52394	1.0172	54.330	.50220
#2	.20590	.26522	1.0591	53.614	1.0545	49.637	.52312	1.0353	53.687	.51150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.037**	**.48089**	**.02015**	**.48931**	**2.0916**	**10.278**	F **21.995**	**2.0401**	**1.0801**	**.99000**
Stddev	.145	.00714	.00178	.00982	.0309	.055	.118	.0274	.0028	.00199
%RSD	1.4434	1.4855	8.8472	2.0074	1.4768	.53672	.53672	1.3440	.25802	.20133
#1	9.9349	.47584	.02142	.48237	2.0698	10.317	22.078	2.0207	1.0820	.98859
#2	10.140	.48595	.01889	.49626	2.1135	10.239	21.911	2.0595	1.0781	.99141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0260**	**2.0480**	**2.2293**	**.52114**	**.48711**	**.45741**
Stddev	.0005	.0333	.0081	.00091	.00161	.00321
%RSD	.04463	1.6235	.36280	.17475	.33058	.70099
#1	1.0256	2.0245	2.2350	.52178	.48825	.45967
#2	1.0263	2.0715	2.2236	.52050	.48597	.45514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3868.7**	**61100.**	**6161.6**
Stddev	29.2	23.	33.6
%RSD	.75467	.03812	.54452
#1	3889.3	61084.	6137.9
#2	3848.0	61117.	6185.3

Sample Name: 280-27302-c-1-a Acquired: 4/9/2012 21:26:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00300**	**.00073**	**.00123**	**-.00007**	**.00001**	**.00091**	**.01974**	**-.00001**	**-.00008**
Stddev	.00026	.00001	.00067	.00011	.00009	.00003	.00015	.00119	.00012	.00008
%RSD	23.743	.40751	91.750	9.3205	134.87	401.22	16.595	6.0100	1562.0	101.90
#1	.00127	.00299	.00120	.00131	.00000	.00003	.00102	.02058	.00008	-.00014
#2	.00091	.00301	.00025	.00115	-.00013	-.00001	.00080	.01890	-.00009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00120**	**.00721**	**.05528**	**-.00144**	**.00365**	**.00083**	**.00151**	**.16256**	**.00023**
Stddev	.00007	.00029	.00054	.03577	.00174	.00025	.00000	.00074	.00427	.00026
%RSD	18.882	24.291	7.4980	64.698	120.94	6.8675	.21468	48.576	2.6250	112.41
#1	.00031	-.00141	.00683	.08057	-.00021	.00383	.00083	.00099	.15954	.00042
#2	.00040	-.00099	.00759	.02999	-.00267	.00348	.00083	.00203	.16557	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00240**	**.00107**	**.01106**	**-.00041**	**.00139**	**-.01007**	**-.02155**	**.00133**	**.00001**	**.00137**
Stddev	.00034	.00007	.00299	.00180	.00010	.00089	.00189	.00039	.00001	.00024
%RSD	14.142	6.7704	27.033	441.05	7.0086	8.7879	8.7879	29.357	257.06	17.251
#1	.00264	.00112	.01317	.00087	.00132	-.01070	-.02289	.00160	.00000	.00153
#2	.00216	.00102	.00895	-.00169	.00146	-.00945	-.02022	.00105	.00002	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00154**	**-.01149**	**-.00001**	**.00286**	**.00059**
Stddev	.00021	.00153	.00910	.00006	.00014	.00006
%RSD	20.413	99.180	79.271	434.98	5.0062	10.003
#1	.00118	.00046	-.01792	-.00006	.00297	.00063
#2	.00088	.00262	-.00505	.00003	.00276	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4111.2**	**65879.**	**6295.0**
Stddev	.1	323.	74.8
%RSD	.00318	.48976	1.1890
#1	4111.1	66107.	6347.9
#2	4111.3	65650.	6242.0

Sample Name: 280-27302-c-1-aSD@5 Acquired: 4/9/2012 21:29:11 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00150**	**.00108**	**.00003**	**-.00006**	**.00002**	**.00125**	**.00920**	**-.00025**	**-.00017**
Stddev	.00024	.00039	.00051	.00086	.00016	.00001	.00100	.00078	.00016	.00001
%RSD	26.210	25.774	46.797	2519.2	259.17	47.406	80.397	8.4233	63.618	7.0854
#1	.00076	.00123	.00144	-.00057	-.00018	.00003	.00054	.00975	-.00036	-.00017
#2	.00110	.00178	.00072	.00064	.00005	.00001	.00196	.00866	-.00014	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00134**	**.00567**	**.04389**	**-.00032**	**.00354**	**.00024**	**.00001**	**.13595**	**.00046**
Stddev	.00008	.00009	.00064	.02334	.00066	.00001	.00002	.00008	.00599	.00033
%RSD	18.596	7.0350	11.316	53.176	202.89	.17662	9.7633	623.78	4.4080	72.623
#1	.00038	-.00127	.00613	.02739	.00014	.00355	.00022	-.00004	.13171	.00022
#2	.00049	-.00141	.00522	.06040	-.00079	.00354	.00025	.00007	.14019	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**-.00075**	**.01097**	**-.00360**	**.00036**	**-.00923**	**-.01975**	**.00005**	**.00003**	**.00048**
Stddev	.00035	.00052	.00306	.00317	.00459	.00716	.01531	.00088	.00004	.00127
%RSD	22.806	68.630	27.911	88.174	1275.3	77.529	77.529	1653.4	119.70	266.63
#1	.00178	-.00039	.01313	-.00584	.00360	-.01429	-.03058	.00068	.00001	.00138
#2	.00129	-.00112	.00880	-.00135	-.00288	-.00417	-.00892	-.00057	.00006	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00052**	**.01518**	**.00012**	**.00268**	**.00074**
Stddev	.00004	.00035	.02261	.00051	.00057	.00102
%RSD	9.5759	67.493	148.99	431.72	21.282	138.50
#1	.00040	.00027	-.00081	.00048	.00228	.00002
#2	.00035	.00077	.03116	-.00024	.00308	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4124.3**	**65636.**	**6234.7**
Stddev	20.3	313.	44.4
%RSD	.49121	.47714	.71275
#1	4138.6	65857.	6266.1
#2	4109.9	65414.	6203.3

Sample Name: 280-27302-c-1-b ms Acquired: 4/9/2012 21:31:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05494**	**1.8944**	**.96219**	**.97810**	**2.1312**	**.05091**	F **2.0899**	**49.601**	**.10125**	**.48925**
Stddev	.00004	.0066	.00833	.00417	.0044	.00040	.0161	.317	.00020	.00220
%RSD	.07633	.34931	.86557	.42627	.20695	.79501	.76852	.64002	.19402	.44901
#1	.05491	1.8897	.95630	.97515	2.1280	.05062	2.0785	49.376	.10111	.48769
#2	.05497	1.8991	.96808	.98105	2.1343	.05120	2.1012	49.825	.10138	.49080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20002**	**.26354**	**1.0682**	**53.008**	**1.0335**	**49.209**	**.51997**	**1.0063**	**53.171**	**.49755**
Stddev	.00074	.00185	.0164	.110	.0027	.348	.00367	.0022	.114	.00099
%RSD	.36870	.70098	1.5330	.20800	.25966	.70744	.70591	.21485	.21444	.19935
#1	.19950	.26223	1.0566	52.930	1.0316	48.963	.51738	1.0048	53.252	.49685
#2	.20054	.26485	1.0797	53.086	1.0354	49.456	.52257	1.0078	53.091	.49825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8391**	**.47068**	**.02047**	**.47768**	**2.0409**	**10.092**	**21.598**	**2.0000**	**1.0675**	**.98216**
Stddev	.0310	.00024	.00041	.00544	.0116	.038	.082	.0040	.0027	.00269
%RSD	.31552	.05113	2.0164	1.1385	.56703	.38141	.38141	.19876	.25077	.27403
#1	9.8171	.47085	.02076	.47384	2.0327	10.065	21.540	1.9971	1.0656	.98026
#2	9.8611	.47051	.02018	.48153	2.0491	10.120	21.656	2.0028	1.0694	.98406
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0128**	**2.0086**	**2.2022**	**.51475**	**.48124**	**.45095**
Stddev	.0066	.0046	.0307	.00320	.00333	.00366
%RSD	.65074	.23034	1.3938	.62104	.69218	.81067
#1	1.0082	2.0054	2.1805	.51249	.47888	.44836
#2	1.0175	2.0119	2.2239	.51701	.48359	.45353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3907.6**	**61287.**	**6224.3**
Stddev	8.3	391.	9.8
%RSD	.21357	.63730	.15773
#1	3913.5	61563.	6231.2
#2	3901.7	61010.	6217.3

Sample Name: 280-27302-c-1-c msd Acquired: 4/9/2012 21:33:46 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05533**	**1.9025**	**.97992**	**.98096**	**2.1568**	**.05135**	F **2.1073**	**50.049**	**.10195**	**.49245**
Stddev	.00019	.0002	.00815	.00424	.0041	.00005	.0095	.202	.00094	.00100
%RSD	.33531	.00885	.83198	.43203	.18847	.10677	.45164	.40422	.92612	.20211
#1	.05546	1.9024	.97416	.97797	2.1597	.05139	2.1006	50.192	.10128	.49174
#2	.05520	1.9026	.98569	.98396	2.1540	.05131	2.1140	49.906	.10262	.49315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20123**	**.26371**	**1.0690**	**53.613**	**1.0433**	**49.596**	**.52504**	**1.0132**	**53.908**	**.50159**
Stddev	.00077	.00185	.0013	.107	.0024	.160	.00112	.0025	.019	.00022
%RSD	.38227	.70150	.12152	.19937	.22932	.32168	.21309	.24390	.03494	.04412
#1	.20069	.26502	1.0699	53.688	1.0450	49.483	.52425	1.0114	53.921	.50143
#2	.20177	.26240	1.0681	53.537	1.0416	49.708	.52583	1.0149	53.895	.50175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9104**	**.47452**	**.02220**	**.48024**	**2.0617**	**10.124**	**21.665**	W **2.0074**	**1.0795**	**.99119**
Stddev	.0539	.00071	.00665	.00003	.0173	.003	.006	.0037	.0017	.00186
%RSD	.54412	.14959	29.965	.00702	.83969	.02739	.02739	.18673	.15560	.18788
#1	9.8723	.47402	.02690	.48022	2.0495	10.126	21.669	2.0100	1.0807	.98987
#2	9.9486	.47502	.01749	.48027	2.0740	10.122	21.660	2.0047	1.0783	.99251
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0182**	**2.0207**	**2.2165**	**.52010**	**.48474**	**.45103**
Stddev	.0015	.0028	.0316	.00106	.00375	.00435
%RSD	.15089	.13853	1.4276	.20311	.77412	.96364
#1	1.0171	2.0187	2.1941	.51935	.48208	.45410
#2	1.0193	2.0226	2.2389	.52084	.48739	.44796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3930.8**	**61471.**	**6297.8**
Stddev	4.5	11.	18.7
%RSD	.11471	.01819	.29757
#1	3934.0	61463.	6284.5
#2	3927.6	61479.	6311.0

Sample Name: 280-27302-c-1-aPDS Acquired: 4/9/2012 21:35:55 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04847**	**1.1738**	**.22376**	**.10061**	**.12673**	**.05967**	**-.00178**	**23.631**	**.05861**	**.05838**
Stddev	.00101	.0022	.00508	.00064	.00013	.00016	.00167	.030	.00002	.00051
%RSD	2.0746	.18591	2.2716	.63594	.09968	.27301	94.017	.12807	.03856	.87930
#1	.04918	1.1723	.22016	.10015	.12664	.05979	-.00296	23.610	.05862	.05874
#2	.04776	1.1754	.22735	.10106	.12682	.05956	-.00060	23.652	.05859	.05801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05996**	**.06037**	**1.2624**	**25.164**	**.12208**	**23.264**	**.06305**	**.05264**	**25.554**	**.05899**
Stddev	.00012	.00064	.0053	.053	.00136	.187	.00080	.00048	.124	.00007
%RSD	.20261	1.0596	.41808	.21131	1.1125	.80297	1.2737	.90581	.48548	.12489
#1	.06004	.06083	1.2586	25.126	.12112	23.396	.06361	.05231	25.642	.05894
#2	.05987	.05992	1.2661	25.202	.12304	23.132	.06248	.05298	25.467	.05904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2703**	**.11222**	**.01672**	**.10016**	**.23748**	**5.1384**	**10.996**	**.10406**	**.06492**	**.22912**
Stddev	.0012	.00102	.00027	.00120	.00429	.0231	.049	.00061	.00013	.00102
%RSD	.05409	.90815	1.6435	1.1979	1.8068	.44936	.44936	.58625	.20147	.44446
#1	2.2695	.11150	.01652	.09931	.23445	5.1548	11.031	.10363	.06483	.22984
#2	2.2712	.11294	.01691	.10100	.24051	5.1221	10.961	.10449	.06501	.22840
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05316**	**.24634**	**.62847**	**.06104**	**.23618**	**.04115**
Stddev	.00027	.00042	.00902	.00138	.00079	.00181
%RSD	.50758	.17188	1.4357	2.2608	.33354	4.4026
#1	.05335	.24664	.62209	.06201	.23674	.04243
#2	.05297	.24604	.63485	.06006	.23563	.03987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3980.9**	**62171.**	**6107.5**
Stddev	8.8	541.	7.8
%RSD	.22228	.87004	.12763
#1	3974.6	61789.	6113.0
#2	3987.1	62554.	6102.0

Sample Name: 280-27305-a-16-a Acquired: 4/9/2012 21:38:13 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.00218**	**-.00046**	**.00081**	**-.00008**	**.00006**	**-.00084**	**.02689**	**.00001**	**-.00012**
Stddev	.00011	.00002	.00212	.00019	.00015	.00007	.00039	.00239	.00001	.00004
%RSD	10.986	1.0320	461.10	23.407	193.16	118.22	46.796	8.8713	148.64	35.619
#1	.00107	.00219	.00104	.00094	-.00018	.00011	-.00056	.02520	.00002	-.00009
#2	.00091	.00216	-.00196	.00067	.00003	.00001	-.00112	.02857	.00000	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00124**	**.00509**	**.08055**	**.00028**	**.00261**	**.00057**	**.00046**	**.17283**	**.00024**
Stddev	.00013	.00008	.00263	.00747	.00066	.00109	.00002	.00006	.00324	.00047
%RSD	309.92	6.5950	51.664	9.2797	237.02	41.783	3.8733	13.032	1.8720	194.77
#1	.00013	-.00118	.00323	.07526	-.00019	.00184	.00056	.00041	.17055	.00057
#2	-.00005	-.00130	.00695	.08583	.00075	.00338	.00059	.00050	.17512	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00029**	**.00893**	**.00051**	**-.00458**	**-.00161**	**-.00345**	**-.00032**	**.00002**	**-.00036**
Stddev	.00183	.00176	.00284	.00153	.00052	.01631	.03490	.00011	.00011	.00039
%RSD	494.97	612.03	31.809	300.49	11.399	1011.7	1011.7	34.716	453.90	108.35
#1	-.00092	.00153	.01094	.00159	-.00421	-.01314	-.02813	-.00040	.00010	-.00008
#2	.00166	-.00096	.00692	-.00057	-.00494	.00992	.02123	-.00024	-.00005	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00074**	**.00648**	**-.00005**	**.00423**	**-.00083**
Stddev	.00005	.00014	.00178	.00014	.00034	.00030
%RSD	6.6422	19.384	27.417	281.49	8.1281	35.996
#1	.00078	.00084	.00522	-.00014	.00447	-.00104
#2	.00085	.00064	.00773	.00005	.00399	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4112.7**	**64782.**	**6189.8**
Stddev	6.6	27.	42.6
%RSD	.16048	.04130	.68770
#1	4117.3	64763.	6219.9
#2	4108.0	64801.	6159.7

Sample Name: 280-27334-a-42-a Acquired: 4/9/2012 21:40:38 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00228**	**-.00087**	**.00043**	**-.00008**	**.00006**	**-.00185**	**.01177**	**.00000**	**-.00002**
Stddev	.00008	.00002	.00272	.00091	.00001	.00003	.00058	.00109	.00013	.00011
%RSD	9.8902	.82509	313.39	210.72	9.9056	45.319	31.243	9.2959	74023.	618.36
#1	.00088	.00226	-.00279	.00108	-.00008	.00004	-.00144	.01255	.00009	-.00010
#2	.00077	.00229	.00106	-.00021	-.00007	.00009	-.00225	.01100	-.00009	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00155**	**.00221**	**.04682**	**-.00197**	**.00137**	**.00020**	**-.00006**	**.16189**	**.00024**
Stddev	.00015	.00008	.00066	.01571	.00179	.00045	.00003	.00030	.00155	.00020
%RSD	105.22	4.9258	29.688	33.559	91.144	32.813	15.265	526.47	.95755	85.477
#1	.00004	-.00149	.00175	.05793	-.00070	.00168	.00022	-.00027	.16080	.00038
#2	.00024	-.00160	.00268	.03571	-.00323	.00105	.00018	.00016	.16299	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00091**	**.01131**	**-.00087**	**.00148**	**.00358**	**.00765**	**.00011**	**.00002**	**.00190**
Stddev	.00183	.00087	.00303	.00005	.00055	.00634	.01358	.00004	.00004	.00038
%RSD	255.07	95.579	26.831	5.4080	37.566	177.38	177.38	39.696	211.45	19.847
#1	-.00058	.00153	.00916	-.00084	.00108	-.00091	-.00195	.00008	-.00001	.00216
#2	.00201	.00030	.01345	-.00091	.00187	.00806	.01725	.00014	.00005	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00042**	**-.01266**	**-.00055**	**.00237**	**.00138**
Stddev	.00017	.00125	.01224	.00014	.00018	.00069
%RSD	58.739	296.45	96.635	26.120	7.6946	49.948
#1	.00041	.00046	-.00401	-.00045	.00224	.00187
#2	.00017	-.00130	-.02132	-.00066	.00250	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4134.3**	**65006.**	**6127.2**
Stddev	3.5	263.	38.4
%RSD	.08513	.40476	.62659
#1	4136.8	64820.	6100.1
#2	4131.8	65192.	6154.4

Sample Name: CCVH-1326164 Acquired: 4/9/2012 21:43:03 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**52.250**	**-.00252**	**.00255**	**.00034**	**.00010**	**.99305**	**-.00229**	**-.00007**	**.00024**	**.00102**	**.00448**
Stddev	.00004	.109	.00241	.00007	.00005	.00008	.00099	.00175	.00007	.00014	.00022	.00010
%RSD	1.1595	.20811	95.406	2.6496	14.043	79.736	.09928	76.171	103.23	58.326	21.560	2.1222
#1	.00386	52.327	-.00423	.00259	.00037	.00016	.99236	-.00353	-.00002	.00034	.00118	.00454
#2	.00380	52.173	-.00082	.00250	.00030	.00005	.99375	-.00106	-.00012	.00014	.00087	.00441
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.572**	**.05827**	**-.00090**	**.01286**	**-.00013**	**-.00038**	**260.09**	**.00237**	**.00352**	**-.00369**	**4.9020**	**-.00264**
Stddev	.130	.03118	.00002	.00407	.00002	.00006	.06	.00010	.00163	.00048	.0000	.00229
%RSD	.24718	53.518	1.6928	31.645	15.170	16.808	.02400	4.1425	46.272	12.959	.00064	86.775
#1	52.664	.03622	-.00091	.00998	-.00012	-.00042	260.05	.00244	.00237	-.00335	4.9020	-.00102
#2	52.480	.08032	-.00089	.01574	-.00014	-.00033	260.13	.00230	.00468	-.00403	4.9019	-.00426
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00188**	**.00112**	**.00239**	**.00206**	**.00040**	**4.8571**	**.00276**	**.00166**	W **10.634**	**.00322**	**.00163**	**-.19599**
Stddev	.00044	.00814	.01742	.00026	.00001	.0712	.00002	.00107	.127	.00005	.00053	.00506
%RSD	23.283	727.59	727.59	12.577	1.8655	1.4661	.59699	64.617	1.1982	1.5590	32.850	2.5814
#1	-.00219	.00687	.01471	.00188	.00041	4.8068	.00277	.00090	10.544	.00325	.00200	-.19241
#2	-.00157	-.00464	-.00992	.00225	.00040	4.9075	.00275	.00241	10.725	.00318	.00125	-.19957
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3966.7**	**60830.**	**6163.9**
Stddev	6.3	713.	20.6
%RSD	.15784	1.1729	.33382
#1	3971.2	61334.	6178.4
#2	3962.3	60325.	6149.3

Sample Name: CCV-1343805 Acquired: 4/9/2012 21:45:23 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51781**	**.51877**	**.96719**	**.49608**	**.53472**	**.50678**	**-.00012**	**5.0982**	**.50165**	**.50405**	**.50352**	**.50947**	**2.6707**
Stddev	.00580	.00041	.00316	.00069	.00748	.00842	.00093	.0755	.00136	.00029	.00017	.00649	.0339
%RSD	1.1206	.07969	.32706	.13816	1.3983	1.6612	789.94	1.4806	.27086	.05778	.03462	1.2731	1.2706
#1	.51371	.51848	.96943	.49656	.52943	.50083	-.00077	5.0448	.50261	.50425	.50339	.50488	2.6467
#2	.52191	.51906	.96496	.49559	.54000	.51273	.00054	5.1516	.50069	.50384	.50364	.51406	2.6947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.858**	**1.0254**	**20.239**	**.51589**	**.49755**	**5.1732**	**.50511**	**.98120**	**.97516**	**.01196**	**.99520**	**1.0350**	**5.0102**
Stddev	.750	.0159	.228	.00496	.00138	.0861	.00070	.00552	.00062	.00324	.00074	.0083	.0580
%RSD	1.4184	1.5528	1.1283	.96230	.27796	1.6641	.13774	.56259	.06353	27.106	.07427	.80236	1.1574
#1	52.328	1.0142	20.077	.51238	.49853	5.1124	.50560	.98511	.97472	.00966	.99467	1.0409	4.9692
#2	53.388	1.0367	20.400	.51940	.49658	5.2341	.50461	.97730	.97560	.01425	.99572	1.0291	5.0512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.722**	**1.0157**	**.52831**	**.01176**	**.49443**	**1.0474**	**-.00878**	**.50541**	**.49374**	**.48750**
Stddev	.124	.0011	.00801	.00194	.00330	.0024	.00927	.00239	.00081	.01034
%RSD	1.1574	.10808	1.5168	16.510	.66741	.22845	105.56	.47357	.16316	2.1202
#1	10.634	1.0149	.52265	.01314	.49210	1.0491	-.01533	.50372	.49317	.48020
#2	10.810	1.0164	.53398	.01039	.49676	1.0457	-.00223	.50711	.49431	.49481
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4038.7**	**63294.**	**6223.7**
Stddev	8.5	569.	36.1
%RSD	.21022	.89963	.57997
#1	4044.7	63696.	6249.2
#2	4032.7	62891.	6198.1

Sample Name: CCB Acquired: 4/9/2012 21:47:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00122**	**.00137**	**.00048**	**.00027**	**.00009**	**.00016**	**.00856**	**-.00014**	**-.00020**	**.00013**	**-.00116**
Stddev	.00030	.00019	.00159	.00019	.00017	.00004	.00094	.00030	.00009	.00016	.00015	.00019
%RSD	32.998	15.592	116.30	40.837	61.313	46.712	596.25	3.4689	66.190	78.610	113.67	16.336
#1	.00071	.00135	.00249	.00034	.00039	.00006	-.00051	.00835	-.00007	-.00031	.00024	-.00102
#2	.00113	.00108	.00024	.00061	.00015	.00011	.00082	.00877	-.00021	-.00009	.00003	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**.04596**	**-.00026**	**-.00029**	**.00004**	**.00110**	W **.11360**	**.00006**	**.00238**	**.00053**	**.00837**	**-.00036**
Stddev	.00159	.01585	.00113	.00040	.00005	.00062	.00348	.00015	.00134	.00066	.00202	.00065
%RSD	45.805	34.484	434.60	141.30	138.08	56.372	3.0654	269.42	56.456	125.90	24.152	182.26
#1	.00235	.03475	-.00106	-.00057	.00000	.00066	.11114	.00017	.00332	.00006	.00980	.00010
#2	.00461	.05716	.00054	.00000	.00007	.00154	.11606	-.00005	.00143	.00099	.00694	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**-.00770**	**-.01647**	**.00089**	**.00001**	**.00047**	**.00019**	**-.00001**	**-.00206**	**.00013**	**.00197**	**.00179**
Stddev	.00264	.01787	.03824	.00037	.00001	.00076	.00027	.00095	.03758	.00002	.00039	.00246
%RSD	170.81	232.18	232.18	41.505	131.00	162.22	145.32	17720.	1826.3	11.924	20.000	137.39
#1	.00032	.00494	.01057	.00063	.00002	-.00007	.00038	.00066	.02452	.00014	.00170	.00353
#2	-.00341	-.02033	-.04351	.00115	.00000	.00101	-.00001	-.00068	-.02863	.00012	.00225	.00005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4102.1**	**63943.**	**6092.9**
Stddev	33.6	261.	26.5
%RSD	.81932	.40839	.43452
#1	4125.9	63758.	6111.6
#2	4078.4	64127.	6074.1

Sample Name: CCVL-1351092 Acquired: 4/9/2012 21:49:59 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01116**	**.10532**	**.01545**	**.09176**	**.01090**	**.00106**	**.10727**	**.20384**	**.00502**	**.01041**	**.01031**	**.01402**	**.10508**	**3.2793**
Stddev	.00041	.00057	.00376	.00086	.00019	.00008	.00293	.00128	.00015	.00015	.00001	.00029	.00220	.0022
%RSD	3.6763	.54486	24.349	.93511	1.7216	7.8815	2.7336	.63019	3.0382	1.4729	.06743	2.0417	2.0954	.06784
#1	.01087	.10573	.01811	.09237	.01103	.00101	.10935	.20475	.00513	.01030	.01030	.01423	.10663	3.2778
#2	.01145	.10492	.01279	.09116	.01077	.00112	.10520	.20293	.00491	.01052	.01031	.01382	.10352	3.2809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	**.20686**	**.01071**	**.01938**	**1.1591**	**.04122**	**2.7027**	**.01014**	**.01067**	**.00908**	**.01132**	**.46649**	**.99828**	**.10142**
Stddev	.00089	.00062	.00000	.00026	.0066	.00029	.0183	.00034	.00144	.00190	.00364	.00513	.01097	.00093
%RSD	8.2715	.30212	.01721	1.3506	.57118	.69260	.67688	3.3678	13.477	20.875	32.177	1.0988	1.0988	.91772
#1	.01008	.20730	.01071	.01919	1.1638	.04102	2.7156	.01038	.00965	.00774	.01390	.47011	1.0060	.10076
#2	.01133	.20642	.01071	.01956	1.1544	.04142	2.6897	.00990	.01169	.01042	.00874	.46286	.99053	.10208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01084**	**.01529**	**.01002**	**.01587**	**.05860**	**.01046**	**.02136**	**.01341**
Stddev	.00002	.00021	.00038	.00001	.01256	.00002	.00011	.00044
%RSD	.18407	1.3920	3.7766	.04537	21.434	.19438	.50959	3.2920
#1	.01086	.01514	.01029	.01587	.06749	.01044	.02143	.01310
#2	.01083	.01544	.00975	.01586	.04972	.01047	.02128	.01372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4113.3**	**64871.**	**6220.6**
Stddev	10.5	418.	16.6
%RSD	.25530	.64459	.26712
#1	4105.9	64576.	6232.4
#2	4120.8	65167.	6208.9

Sample Name: mb 280-114499/1-b Acquired: 4/9/2012 21:52:22 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00386**	**-.00245**	**.00098**	**.00058**	**-.00003**	**.00016**	**.00431**	**-.00007**	**-.00014**
Stddev	.00024	.00060	.00016	.00048	.00000	.00001	.00324	.00062	.00011	.00008
%RSD	36.229	15.527	6.5302	48.439	.67743	56.072	2008.4	14.470	157.55	58.720
#1	.00050	.00344	-.00234	.00132	.00058	-.00002	.00245	.00387	.00001	-.00020
#2	.00085	.00429	-.00256	.00064	.00058	-.00004	-.00213	.00475	-.00015	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00151**	**.00442**	**.03480**	**-.00085**	**-.00069**	**.00006**	**.00000**	**.10018**	**.00035**
Stddev	.00018	.00011	.00006	.01114	.00122	.00020	.00001	.00010	.00646	.00031
%RSD	253.26	7.6259	1.3092	32.008	143.91	28.648	24.498	4509.2	6.4483	88.802
#1	.00006	-.00143	.00446	.04268	-.00171	-.00055	.00007	-.00007	.10475	.00013
#2	-.00020	-.00159	.00438	.02693	.00001	-.00083	.00005	.00007	.09562	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00231**	**.00115**	F **.01481**	**-.00173**	**-.00034**	F **-.01106**	**-.02366**	**.00055**	**-.00004**	**.00015**
Stddev	.00045	.00030	.00730	.00126	.00402	.00651	.01393	.00026	.00010	.00076
%RSD	19.697	25.787	49.293	72.741	1172.2	58.882	58.882	46.453	234.68	499.85
#1	.00198	.00136	.01998	-.00263	-.00319	-.00645	-.01381	.00074	-.00011	.00069
#2	.00263	.00094	.00965	-.00084	.00250	-.01566	-.03351	.00037	.00003	-.00038
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00149**	**.00505**	**-.00005**	**.00264**	**-.00032**
Stddev	.00012	.00020	.00583	.00032	.00007	.00090
%RSD	31.051	13.243	115.42	592.75	2.8226	284.71
#1	.00029	.00135	.00093	-.00028	.00259	.00032
#2	.00046	.00163	.00918	.00017	.00270	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4155.4**	**65726.**	**6189.0**
Stddev	11.1	134.	18.9
%RSD	.26684	.20372	.30494
#1	4147.5	65821.	6175.6
#2	4163.2	65631.	6202.3

Sample Name: lcs 280-114499/2-b Acquired: 4/9/2012 21:54:47 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05544**	**1.9137**	**.97657**	**.99262**	**2.1394**	**.05106**	**2.0912**	**50.187**	**.10188**	**.49146**
Stddev	.00046	.0089	.00424	.00194	.0147	.00043	.0037	.416	.00009	.00016
%RSD	.82147	.46338	.43424	.19505	.68786	.83811	.17475	.82826	.08480	.03178
#1	.05576	1.9074	.97357	.99125	2.1290	.05075	2.0886	49.893	.10182	.49157
#2	.05512	1.9200	.97957	.99399	2.1499	.05136	2.0938	50.481	.10194	.49135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20012**	**.26299**	**1.0549**	**53.164**	**1.0382**	**50.089**	**.52313**	**1.0100**	**53.523**	**.49891**
Stddev	.00004	.00145	.0136	.395	.0100	.234	.00197	.0008	.263	.00149
%RSD	.02047	.55079	1.2886	.74381	.96015	.46790	.37661	.07832	.49186	.29838
#1	.20015	.26401	1.0453	52.884	1.0312	50.255	.52453	1.0106	53.337	.49785
#2	.20009	.26196	1.0646	53.444	1.0453	49.923	.52174	1.0094	53.709	.49996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9416**	**.47773**	**.01965**	**.48087**	**2.0742**	**10.223**	F **21.876**	**2.0201**	**1.0674**	**.99103**
Stddev	.0251	.00071	.00286	.00067	.0001	.125	.268	.0060	.0092	.00695
%RSD	.25245	.14884	14.533	.13846	.00648	1.2270	1.2270	.29653	.86436	.70114
#1	9.9239	.47823	.02167	.48134	2.0741	10.134	21.687	2.0159	1.0608	.99594
#2	9.9594	.47722	.01763	.48040	2.0743	10.311	22.066	2.0244	1.0739	.98611
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0247**	**2.0142**	**2.2025**	**.51912**	**.48993**	**.45422**
Stddev	.0057	.0084	.0248	.00275	.00308	.00538
%RSD	.55592	.41886	1.1263	.52913	.62792	1.1834
#1	1.0287	2.0083	2.2200	.52106	.49211	.45042
#2	1.0207	2.0202	2.1850	.51717	.48776	.45802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3934.5**	**61194.**	**6198.2**
Stddev	1.1	329.	52.6
%RSD	.02792	.53822	.84810
#1	3933.7	60961.	6235.4
#2	3935.2	61427.	6161.1

Sample Name: 280-27357-a-3-b Acquired: 4/9/2012 21:56:56 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**.00612**	**-.00138**	**.16208**	**.08947**	**.00006**	**-.00195**	**115.74**	**.00025**	**-.00039**
Stddev	.00025	.00016	.00035	.00034	.00070	.00001	.00110	.08	.00003	.00012
%RSD	16.823	2.6285	25.403	.20978	.78362	9.9993	56.574	.07206	10.987	31.586
#1	.00133	.00623	-.00113	.16232	.08996	.00006	-.00117	115.79	.00027	-.00048
#2	.00169	.00601	-.00163	.16184	.08897	.00007	-.00272	115.68	.00023	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00043**	**.00875**	**5.2565**	**.02674**	**18.807**	**.00090**	**.02990**	**96.617**	**.00091**
Stddev	.00011	.00021	.00006	.0472	.00006	.097	.00002	.00058	.359	.00002
%RSD	18.477	48.581	.68321	.89737	.22870	.51799	2.3701	1.9545	.37130	2.0962
#1	.00051	-.00028	.00880	5.2899	.02670	18.876	.00089	.02949	96.870	.00092
#2	.00067	-.00057	.00871	5.2232	.02679	18.738	.00092	.03031	96.363	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03723**	**.00137**	**41.453**	**-.00261**	**.00504**	**10.859**	**23.238**	**.00011**	**.68093**	**-.00052**
Stddev	.00042	.00139	.083	.00066	.00359	.005	.010	.00002	.00089	.00092
%RSD	1.1366	101.36	.20042	25.111	71.352	.04403	.04403	13.797	.13003	175.78
#1	.03753	.00039	41.512	-.00308	.00758	10.856	23.231	.00012	.68156	.00013
#2	.03693	.00235	41.394	-.00215	.00250	10.862	23.246	.00010	.68031	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00202**	**.02498**	**.00113**	**.00491**	**.00109**
Stddev	.00014	.00130	.01446	.00001	.00029	.00082
%RSD	22.010	64.440	57.894	1.3204	5.8859	75.712
#1	.00053	.00110	.01475	.00114	.00471	.00051
#2	.00072	.00294	.03520	.00112	.00512	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3874.3**	**60771.**	**6132.9**
Stddev	1.5	325.	17.3
%RSD	.03931	.53414	.28244
#1	3873.2	60541.	6145.1
#2	3875.3	61000.	6120.7

Sample Name: 280-27357-a-4-b Acquired: 4/9/2012 21:59:19 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.00619**	**.00050**	**.13834**	**.07814**	**.00007**	**.00041**	**120.14**	**.00004**	**.00254**
Stddev	.00047	.00031	.00446	.00087	.00043	.00001	.00043	.07	.00005	.00013
%RSD	49.690	4.9490	892.16	.62669	.55469	15.483	104.60	.05952	116.97	4.9301
#1	.00061	.00597	-.00266	.13773	.07783	.00006	.00071	120.09	.00001	.00246
#2	.00128	.00641	.00366	.13896	.07845	.00007	.00011	120.19	.00008	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00395**	**.00502**	**5.2440**	**.03420**	**23.099**	**.06777**	**.00615**	**86.062**	**.00231**
Stddev	.00021	.00049	.00210	.0426	.00119	.059	.00012	.00013	.172	.00024
%RSD	35.236	12.451	41.948	.81290	3.4672	.25643	.17952	2.0578	.20014	10.581
#1	.00044	.00361	.00353	5.2139	.03504	23.058	.06786	.00606	85.940	.00248
#2	.00073	.00430	.00651	5.2741	.03336	23.141	.06769	.00624	86.183	.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02373**	**.00161**	**41.680**	**-.00309**	**.00012**	**9.5857**	**20.513**	**-.00088**	**.64926**	**.00042**
Stddev	.00386	.00117	.335	.00024	.00141	.0498	.107	.00025	.00220	.00067
%RSD	16.273	72.431	.80381	7.7198	1186.8	.51918	.51918	28.761	.33863	160.59
#1	.02647	.00079	41.443	-.00326	.00112	9.5505	20.438	-.00106	.64771	-.00006
#2	.02100	.00244	41.917	-.00292	-.00088	9.6209	20.589	-.00070	.65081	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00278**	**.00390**	**.00119**	**.00634**	**.00103**
Stddev	.00008	.00074	.01042	.00001	.00024	.00041
%RSD	22.222	26.506	266.99	1.0275	3.8555	40.174
#1	.00029	.00226	.01127	.00118	.00617	.00132
#2	.00039	.00330	-.00346	.00120	.00652	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3871.0**	**61070.**	**6170.2**
Stddev	26.1	38.	27.2
%RSD	.67506	.06185	.44030
#1	3889.5	61096.	6189.4
#2	3852.5	61043.	6151.0

Sample Name: 280-27357-a-7-b Acquired: 4/9/2012 22:01:42 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**.00414**	**-.00078**	**.12194**	**.06836**	**.00005**	**-.00163**	**127.48**	**.00000**	**-.00025**
Stddev	.00040	.00006	.00471	.00046	.00018	.00002	.00020	.02	.00000	.00009
%RSD	40.002	1.3718	606.84	.37871	.26805	50.036	12.217	.01180	164.87	37.919
#1	.00129	.00410	.00255	.12162	.06849	.00007	-.00149	127.49	.00000	-.00018
#2	.00072	.00418	-.00410	.12227	.06823	.00003	-.00177	127.47	.00001	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00042**	**.00566**	**4.7397**	**.03281**	**25.507**	**.00227**	**.00807**	**88.962**	**.00208**
Stddev	.00029	.00020	.00062	.0631	.00120	.140	.00002	.00018	.895	.00011
%RSD	51.183	46.423	10.935	1.3316	3.6537	.54807	.83433	2.1878	1.0057	5.2602
#1	.00076	.00029	.00610	4.6951	.03196	25.606	.00228	.00820	89.595	.00215
#2	.00036	.00056	.00522	4.7844	.03366	25.408	.00225	.00795	88.329	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01423**	**.00147**	**43.246**	**-.00076**	**-.00031**	**9.3623**	**20.035**	**.00063**	**.71117**	**.00008**
Stddev	.00088	.00060	.063	.00023	.00410	.0074	.016	.00019	.00024	.00220
%RSD	6.1641	40.462	.14516	30.037	1332.4	.07940	.07940	30.808	.03327	2616.5
#1	.01485	.00105	43.201	-.00092	-.00320	9.3570	20.024	.00077	.71134	-.00147
#2	.01361	.00189	43.290	-.00060	.00259	9.3675	20.047	.00049	.71101	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00037**	**.01386**	**.00062**	**.00355**	**.00085**
Stddev	.00021	.00049	.01502	.00033	.00041	.00155
%RSD	17.475	131.47	108.39	53.470	11.422	182.59
#1	.00132	.00072	.02448	.00085	.00327	-.00025
#2	.00103	.00003	.00324	.00039	.00384	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3853.6**	**60311.**	**6111.4**
Stddev	.5	440.	18.2
%RSD	.01169	.72926	.29756
#1	3853.9	60000.	6124.2
#2	3853.3	60622.	6098.5

Sample Name: 280-27283-b-1-b Acquired: 4/9/2012 22:04:05 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.02487**	**.00085**	**.01006**	**.02515**	**.00009**	**.00037**	**26.450**	**.00008**	**-.00011**
Stddev	.00007	.00001	.00329	.00015	.00002	.00001	.00118	.230	.00001	.00010
%RSD	6.7496	.04304	387.72	1.5386	.09918	6.4182	321.60	.86955	18.154	84.542
#1	.00097	.02486	.00317	.01017	.02517	.00008	-.00047	26.287	.00007	-.00018
#2	.00107	.02488	-.00148	.00995	.02513	.00009	.00120	26.612	.00008	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00163**	**.00400**	**.00923**	**.94971**	**.00194**	**5.4401**	**.00051**	**.00055**	**7.5029**	**.00024**
Stddev	.00015	.00044	.00269	.02861	.00019	.0220	.00001	.00006	.0462	.00003
%RSD	8.9948	11.044	29.144	3.0129	9.7447	.40352	2.2865	10.352	.61639	13.106
#1	.00173	.00369	.01113	.96994	.00207	5.4245	.00052	.00051	7.4702	.00026
#2	.00152	.00432	.00733	.92947	.00180	5.4556	.00050	.00059	7.5356	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00419**	**.00108**	**12.090**	**-.00069**	**-.00233**	**2.8350**	**6.0670**	**-.00019**	**.17996**	**-.00017**
Stddev	.00291	.00046	.106	.00008	.00110	.0401	.0858	.00036	.00104	.00027
%RSD	69.541	42.554	.88068	12.196	47.145	1.4145	1.4145	183.85	.57936	154.39
#1	.00213	.00075	12.165	-.00063	-.00311	2.8067	6.0063	-.00045	.17922	-.00036
#2	.00625	.00140	12.015	-.00075	-.00156	2.8634	6.1277	.00006	.18070	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00033**	**-.00078**	**.00057**	**.00487**	**.00108**
Stddev	.00012	.00108	.00614	.00015	.00057	.00070
%RSD	23.477	331.45	786.80	27.301	11.784	65.216
#1	.00043	-.00044	-.00512	.00046	.00447	.00158
#2	.00060	.00109	.00356	.00068	.00528	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3936.8**	**63830.**	**6202.2**
Stddev	34.7	454.	41.6
%RSD	.88021	.71097	.67075
#1	3961.3	64150.	6231.6
#2	3912.3	63509.	6172.8

Sample Name: 280-27283-b-1-bSD@5 Acquired: 4/9/2012 22:06:28 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00487**	**.00170**	**.00216**	**.00484**	**.00000**	**.00195**	**5.3417**	**-.00018**	**-.00002**
Stddev	.00012	.00023	.00147	.00031	.00008	.00006	.00131	.0238	.00005	.00002
%RSD	14.083	4.7200	86.522	14.508	1.5691	2243.3	67.353	.44520	31.102	110.45
#1	.00075	.00503	.00066	.00193	.00489	-.00004	.00288	5.3249	-.00022	-.00003
#2	.00092	.00470	.00273	.00238	.00479	.00004	.00102	5.3585	-.00014	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00004**	**.00915**	**.22306**	**-.00044**	**1.1279**	**.00019**	**-.00022**	**1.6160**	**.00032**
Stddev	.00005	.00021	.00166	.01301	.00019	.0006	.00004	.00006	.0027	.00032
%RSD	7.7583	544.47	18.196	5.8306	44.650	.05600	19.296	29.007	.16502	102.51
#1	.00069	.00018	.00797	.21386	-.00030	1.1275	.00022	-.00017	1.6179	.00009
#2	.00062	-.00011	.01033	.23226	-.00057	1.1284	.00017	-.00026	1.6142	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00126**	**2.3782**	**.00038**	W **-.00531**	**.54755**	**1.1717**	**.00028**	**.03567**	**.00041**
Stddev	.00049	.00023	.0014	.00228	.00196	.01953	.0418	.00020	.00026	.00123
%RSD	34.588	18.489	.05893	595.45	36.969	3.5672	3.5672	69.926	.74275	301.09
#1	.00106	.00109	2.3792	-.00123	-.00670	.56136	1.2013	.00042	.03548	-.00046
#2	.00175	.00142	2.3772	.00200	-.00392	.53373	1.1422	.00014	.03586	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00130**	**-.00374**	**.00007**	**.00297**	**-.00046**
Stddev	.00006	.00161	.00283	.00005	.00045	.00011
%RSD	25.140	123.63	75.652	72.326	14.993	23.962
#1	.00021	.00016	-.00574	.00003	.00329	-.00038
#2	.00029	.00244	-.00174	.00010	.00266	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4101.8**	**65103.**	**6115.6**
Stddev	2.5	414.	76.3
%RSD	.05979	.63545	1.2473
#1	4103.5	65396.	6061.7
#2	4100.0	64811.	6169.6

Sample Name: 280-27283-b-1-c ms Acquired: 4/9/2012 22:08:53 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05450**	**1.9296**	**.98114**	**.99804**	**2.1536**	**.05128**	F **2.0905**	**76.503**	**.10211**	**.49076**
Stddev	.00001	.0031	.00564	.00404	.0020	.00011	.0085	.224	.00021	.00133
%RSD	.01881	.15906	.57475	.40527	.09174	.20712	.40744	.29298	.20253	.27122
#1	.05450	1.9318	.98512	1.0009	2.1522	.05121	2.0965	76.344	.10225	.49171
#2	.05451	1.9275	.97715	.99518	2.1550	.05136	2.0845	76.661	.10196	.48982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20071**	**.26615**	**1.0421**	**54.153**	**1.0424**	**55.277**	**.52104**	**1.0087**	**61.232**	**.49954**
Stddev	.00045	.00021	.0016	.070	.0015	.133	.00122	.0016	.298	.00005
%RSD	.22231	.08027	.15352	.12848	.14840	.24067	.23491	.15765	.48743	.00999
#1	.20102	.26630	1.0433	54.104	1.0413	55.183	.52017	1.0098	61.021	.49950
#2	.20039	.26600	1.0410	54.203	1.0435	55.371	.52190	1.0076	61.444	.49957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.069**	**.47562**	**12.440**	**.48514**	**2.0684**	**13.086**	**28.005**	W **2.0105**	**1.2436**	**.99562**
Stddev	.018	.00025	.008	.00245	.0038	.001	.003	.0038	.0013	.00073
%RSD	.17662	.05157	.06188	.50496	.18551	.01013	.01013	.18941	.10494	.07321
#1	10.082	.47545	12.445	.48687	2.0657	13.087	28.007	2.0078	1.2426	.99510
#2	10.056	.47580	12.434	.48340	2.0711	13.085	28.003	2.0132	1.2445	.99613
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0191**	**1.9988**	**2.2186**	**.51912**	**.48992**	**.45772**
Stddev	.0008	.0095	.0204	.00039	.00167	.00340
%RSD	.07576	.47336	.92077	.07469	.34100	.74183
#1	1.0186	2.0055	2.2042	.51885	.48873	.46012
#2	1.0197	1.9921	2.2331	.51939	.49110	.45532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3876.8**	**60624.**	**6161.0**
Stddev	2.1	114.	2.8
%RSD	.05348	.18796	.04502
#1	3875.3	60544.	6163.0
#2	3878.3	60705.	6159.1

Sample Name: 280-27283-b-1-d msd Acquired: 4/9/2012 22:11:02 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05493**	**1.9352**	**.98900**	**1.0034**	**2.1582**	**.05159**	F **2.1034**	**76.902**	**.10240**	**.49264**
Stddev	.00022	.0021	.00685	.0020	.0026	.00017	.0023	.030	.00014	.00046
%RSD	.40641	.10798	.69260	.19942	.12171	.32183	.11139	.03967	.14151	.09318
#1	.05509	1.9337	.99384	1.0020	2.1563	.05171	2.1018	76.881	.10230	.49296
#2	.05478	1.9366	.98415	1.0048	2.1601	.05147	2.1051	76.924	.10250	.49231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20162**	**.26740**	**1.0517**	**54.269**	**1.0465**	**55.428**	**.52290**	**1.0157**	**61.378**	**.49895**
Stddev	.00033	.00067	.0128	.019	.0008	.252	.00220	.0023	.023	.00012
%RSD	.16393	.24891	1.2198	.03576	.07766	.45431	.42147	.22908	.03675	.02329
#1	.20186	.26787	1.0608	54.283	1.0471	55.606	.52446	1.0174	61.394	.49903
#2	.20139	.26693	1.0427	54.256	1.0459	55.250	.52134	1.0141	61.362	.49887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.087**	**.47817**	**12.486**	**.48485**	**2.0833**	**13.195**	**28.238**	W **2.0186**	**1.2478**	**.99894**
Stddev	.010	.00062	.023	.00046	.0069	.037	.078	.0057	.0003	.00306
%RSD	.09723	.12869	.18799	.09504	.33197	.27709	.27709	.28438	.02009	.30599
#1	10.094	.47861	12.502	.48453	2.0882	13.169	28.182	2.0227	1.2480	1.0011
#2	10.080	.47774	12.469	.48518	2.0785	13.221	28.293	2.0146	1.2477	.99678
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0260**	**2.0055**	**2.1948**	**.52168**	**.49366**	**.45762**
Stddev	.0030	.0025	.0216	.00306	.00192	.00412
%RSD	.29137	.12564	.98452	.58603	.38882	.90045
#1	1.0281	2.0037	2.1795	.52384	.49502	.45471
#2	1.0239	2.0073	2.2101	.51952	.49231	.46053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3875.2**	**60556.**	**6172.6**
Stddev	16.4	146.	10.1
%RSD	.42430	.24036	.16355
#1	3886.8	60453.	6179.8
#2	3863.6	60659.	6165.5

Sample Name: CCVH-1326164 Acquired: 4/9/2012 22:13:11 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00372**	**52.427**	**-.00330**	**.00344**	**.00041**	**.00007**	**1.0004**	**-.00221**	**-.00013**	**.00033**	**.00110**	**.00552**
Stddev	.00027	.222	.00096	.00028	.00002	.00002	.0027	.00124	.00019	.00016	.00014	.00002
%RSD	7.1833	.42410	28.938	8.1868	5.6523	26.369	.26881	56.264	145.16	48.901	12.432	.34463
#1	.00391	52.585	-.00398	.00324	.00039	.00008	.99848	-.00133	.00000	.00021	.00120	.00550
#2	.00353	52.270	-.00263	.00364	.00042	.00006	1.0023	-.00309	-.00026	.00044	.00101	.00553
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.302**	**.09107**	**.00062**	**.01457**	**-.00005**	**.00096**	**260.88**	**.00194**	**.00592**	**-.00253**	**4.9285**	**-.00151**
Stddev	.082	.00511	.00069	.00032	.00008	.00100	.88	.00002	.00056	.00106	.0293	.00145
%RSD	.15701	5.6149	111.50	2.1619	158.97	104.36	.33828	.78528	9.4111	42.055	.59505	95.688
#1	52.360	.08745	.00013	.01479	-.00011	.00025	261.50	.00195	.00631	-.00328	4.9078	-.00049
#2	52.244	.09468	.00110	.01435	.00001	.00167	260.26	.00193	.00552	-.00177	4.9492	-.00253
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.01168**	**.02500**	**.00261**	**.00039**	**4.8634**	**.00235**	**.00108**	W **10.520**	**.00322**	**.00188**	**-.19480**
Stddev	.01073	.00358	.00767	.00044	.00001	.0224	.00006	.00068	.007	.00002	.00071	.00542
%RSD	1790.8	30.683	30.683	17.038	3.3792	.46069	2.5933	62.342	.06967	.59119	37.980	2.7822
#1	.00819	.01422	.03042	.00229	.00040	4.8793	.00239	.00156	10.514	.00320	.00239	-.19864
#2	-.00699	.00915	.01957	.00292	.00038	4.8476	.00231	.00061	10.525	.00323	.00138	-.19097
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3934.8**	**61290.**	**6192.5**
Stddev	19.3	58.	13.3
%RSD	.49040	.09529	.21498
#1	3948.4	61331.	6183.1
#2	3921.1	61248.	6201.9

Sample Name: CCV-1343805 Acquired: 4/9/2012 22:15:32 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51964**	**.51656**	**.97254**	**.50400**	**.53509**	**.50947**	**-.00012**	**5.1228**	**.50635**	**.50426**	**.50393**	**.51546**	**2.6437**
Stddev	.00049	.00093	.00051	.00073	.00100	.00127	.00004	.0042	.00021	.00025	.00030	.00151	.0104
%RSD	.09517	.18014	.05245	.14445	.18614	.25014	31.470	.08238	.04090	.05051	.05854	.29215	.39366
#1	.51929	.51590	.97218	.50452	.53439	.50857	-.00009	5.1198	.50620	.50444	.50414	.51439	2.6363
#2	.51999	.51722	.97290	.50349	.53580	.51037	-.00014	5.1257	.50650	.50408	.50372	.51652	2.6510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.853**	**1.0378**	**20.132**	**.51363**	**.49929**	**5.2538**	**.50556**	**.98684**	**.97908**	**.00943**	**1.0066**	**1.0391**	**5.0643**
Stddev	.009	.0030	.045	.00105	.00134	.0088	.00115	.00211	.00292	.00263	.0029	.0022	.0114
%RSD	.01637	.29274	.22369	.20481	.26825	.16647	.22658	.21423	.29821	27.863	.29009	.21701	.22574
#1	52.859	1.0356	20.100	.51289	.50024	5.2476	.50475	.98535	.97701	.01128	1.0087	1.0375	5.0724
#2	52.847	1.0399	20.163	.51438	.49834	5.2600	.50637	.98834	.98114	.00757	1.0045	1.0407	5.0562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.838**	**1.0145**	**.52729**	**.01451**	**.49772**	**1.0523**	**-.01082**	**.50765**	**.49200**	**.49428**
Stddev	.024	.0007	.00056	.00051	.00015	.0023	.01054	.00008	.00120	.00008
%RSD	.22574	.06840	.10601	3.4883	.03076	.21492	97.467	.01625	.24361	.01715
#1	10.855	1.0150	.52690	.01415	.49761	1.0539	-.00336	.50759	.49116	.49434
#2	10.820	1.0140	.52769	.01487	.49783	1.0507	-.01827	.50771	.49285	.49422
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4017.6**	**63080.**	**6218.0**
Stddev	1.9	147.	17.2
%RSD	.04763	.23273	.27614
#1	4019.0	63184.	6230.1
#2	4016.3	62976.	6205.8

Sample Name: CCB Acquired: 4/9/2012 22:17:43 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00035**	**.00083**	**.00108**	**.00011**	**.00005**	**-.00105**	**-.00087**	**.00011**	**-.00017**	**.00018**
Stddev	.00006	.00007	.00081	.00008	.00001	.00005	.00163	.00150	.00002	.00009	.00012
%RSD	10.907	19.124	97.698	7.0541	7.3568	107.12	155.82	173.52	18.097	50.218	68.856
#1	.00057	.00030	.00026	.00114	.00010	.00008	-.00220	.00020	.00013	-.00023	.00027
#2	.00049	.00040	.00141	.00103	.00011	.00001	.00011	-.00193	.00010	-.00011	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00136**	**.00030**	**.06047**	**-.00206**	**.00318**	**.00003**	**.00104**	W **.10723**	**-.00015**	**.00108**	**.00078**
Stddev	.00013	.00096	.03292	.00038	.00001	.00002	.00039	.00781	.00009	.00079	.00020
%RSD	9.1720	322.59	54.446	18.333	.26287	63.667	37.819	7.2819	59.704	72.920	25.654
#1	-.00128	-.00038	.08375	-.00233	.00318	.00002	.00076	.11275	-.00021	.00052	.00064
#2	-.00145	.00098	.03719	-.00179	.00319	.00005	.00132	.10171	-.00009	.00164	.00092
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00874**	**-.00094**	**-.00351**	**-.00605**	**-.01294**	**.00171**	**-.00001**	**.00129**	**.00047**	**.00009**	**.00551**
Stddev	.00113	.00065	.00491	.01086	.02323	.00039	.00002	.00239	.00003	.00074	.00983
%RSD	12.897	68.794	139.78	179.50	179.50	22.794	295.28	185.05	5.5999	839.93	178.51
#1	.00954	-.00049	-.00698	-.01372	-.02937	.00199	.00001	.00298	.00045	-.00044	-.00144
#2	.00794	-.00140	-.00004	.00163	.00348	.00144	-.00002	-.00040	.00049	.00061	.01246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00020**	**.00163**	**.00067**
Stddev	.00045	.00015	.00030
%RSD	231.87	9.3317	44.699
#1	-.00013	.00152	.00089
#2	.00052	.00174	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4018.2**	**64340.**	**6122.1**
Stddev	65.5	47.	13.1
%RSD	1.6292	.07368	.21470
#1	3971.9	64307.	6131.4
#2	4064.5	64374.	6112.8

Sample Name: CCVL1351092 Acquired: 4/9/2012 22:20:08 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01107**	**.10672**	**.01586**	**.09268**	**.01095**	**.00111**	**.10891**	**.20985**	**.00510**	**.01043**	**.01038**	**.01439**	**.11029**	**3.3315**
Stddev	.00025	.00075	.00272	.00065	.00023	.00005	.00041	.00563	.00005	.00022	.00004	.00026	.00159	.0299
%RSD	2.2176	.70139	17.160	.70307	2.1042	4.6728	.37967	2.6821	.97186	2.1486	.36679	1.7747	1.4384	.89593
#1	.01125	.10619	.01779	.09222	.01079	.00107	.10862	.21383	.00507	.01027	.01036	.01457	.11141	3.3526
#2	.01090	.10725	.01394	.09314	.01111	.00114	.10920	.20587	.00514	.01058	.01041	.01421	.10917	3.3104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.20565**	**.01065**	**.01985**	**1.1817**	**.04148**	**2.7319**	**.01080**	**.00793**	**.01215**	**.01342**	**.48049**	**1.0282**	**.10322**
Stddev	.00045	.00237	.00005	.00021	.0127	.00013	.0169	.00133	.00210	.00165	.00530	.01231	.0263	.00047
%RSD	4.2846	1.1536	.42757	1.0363	1.0704	.31837	.61709	12.293	26.466	13.569	39.506	2.5623	2.5623	.45354
#1	.01012	.20397	.01062	.01999	1.1727	.04139	2.7200	.01173	.00644	.01098	.00967	.47178	1.0096	.10289
#2	.01075	.20733	.01068	.01970	1.1906	.04158	2.7438	.00986	.00941	.01331	.01717	.48919	1.0469	.10355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01089**	**.01447**	**.01030**	**.01675**	**.05944**	**.01006**	**.02211**	**.01459**
Stddev	.00005	.00029	.00037	.00093	.00625	.00040	.00014	.00010
%RSD	.45668	1.9964	3.5902	5.5631	10.506	4.0175	.65493	.65897
#1	.01092	.01426	.01004	.01741	.06386	.00977	.02201	.01452
#2	.01085	.01467	.01057	.01609	.05503	.01035	.02221	.01466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.9**	**64824.**	**6203.7**
Stddev	5.6	180.	6.4
%RSD	.13772	.27786	.10377
#1	4076.8	64952.	6208.3
#2	4068.9	64697.	6199.2

Sample Name: mb 280-114728/1-a Acquired: 4/9/2012 22:22:33 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.00363**	**.00066**	**.00069**	**.00039**	**.00005**	**-.00115**	**.07231**	**.00010**	**.00002**
Stddev	.00039	.00038	.00303	.00039	.00008	.00003	.00214	.00039	.00004	.00002
%RSD	34.308	10.354	456.96	56.310	21.018	48.213	185.74	.54327	42.843	79.747
#1	.00142	.00390	.00280	.00097	.00033	.00004	-.00266	.07203	.00014	.00001
#2	.00086	.00337	-.00148	.00042	.00044	.00007	.00036	.07258	.00007	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00011**	**.01381**	**.05100**	**-.00228**	**.00495**	**.00018**	**-.00023**	**.37339**	**.00010**
Stddev	.00000	.00023	.00231	.01883	.00038	.00143	.00004	.00005	.00305	.00003
%RSD	1.4184	221.34	16.747	36.921	16.676	29.003	20.005	20.095	.81750	33.692
#1	.00017	.00006	.01545	.03769	-.00255	.00596	.00015	-.00020	.37555	.00012
#2	.00016	-.00027	.01218	.06432	-.00201	.00393	.00021	-.00027	.37123	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00816**	**.00296**	F **.04496**	**-.00007**	**-.00283**	W **.00536**	**.01146**	**.00833**	**.00015**	**.00188**
Stddev	.00089	.00058	.00139	.00081	.00728	.00029	.00062	.00124	.00003	.00156
%RSD	10.884	19.711	3.0866	1221.0	257.44	5.3825	5.3825	14.852	19.603	83.092
#1	.00753	.00337	.04594	-.00064	.00232	.00556	.01190	.00745	.00013	.00077
#2	.00878	.00254	.04398	.00051	-.00797	.00515	.01103	.00920	.00017	.00298
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000			.00500				
Low Limit	-.00500		-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00010**	**.00231**	**.00006**	**.00211**	**-.00017**
Stddev	.00011	.00145	.00739	.00037	.00007	.00083
%RSD	20.387	1430.9	320.12	648.21	3.3751	489.69
#1	.00045	-.00092	.00754	-.00021	.00206	-.00076
#2	.00060	.00112	-.00292	.00032	.00216	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.1**	**65988.**	**6377.5**
Stddev	5.7	44.	7.7
%RSD	.13916	.06731	.12072
#1	4121.2	65956.	6372.1
#2	4113.1	66019.	6382.9

Sample Name: lcs 280-114728/2-a Acquired: 4/9/2012 22:24:59 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05428**	**1.9118**	**.97335**	**.96870**	**2.1334**	**.05082**	**2.0962**	**49.899**	**.10208**	**.49240**
Stddev	.00080	.0017	.00068	.00013	.0047	.00012	.0013	.051	.00047	.00178
%RSD	1.4797	.08751	.06996	.01336	.22018	.23771	.06290	.10294	.46341	.36108
#1	.05485	1.9130	.97287	.96879	2.1301	.05090	2.0971	49.863	.10175	.49114
#2	.05371	1.9106	.97383	.96861	2.1367	.05073	2.0952	49.935	.10241	.49365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19993**	**.26150**	**1.0544**	**53.226**	**1.0432**	**49.230**	**.51641**	**1.0021**	**54.305**	**.50057**
Stddev	.00029	.00051	.0065	.215	.0002	.248	.00251	.0022	.078	.00062
%RSD	.14437	.19504	.61862	.40396	.02059	.50410	.48529	.22165	.14337	.12318
#1	.19973	.26186	1.0498	53.074	1.0434	49.406	.51818	1.0005	54.250	.50013
#2	.20014	.26114	1.0590	53.378	1.0431	49.055	.51464	1.0036	54.360	.50100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9862**	**.47760**	**.05365**	**.47415**	**2.0396**	**1.1166**	F **2.3895**	**2.0102**	**1.0676**	**.97971**
Stddev	.0010	.00018	.00513	.00372	.0008	.0110	.0235	.0014	.0016	.00857
%RSD	.01026	.03829	9.5626	.78396	.03915	.98251	.98251	.06906	.14585	.87443
#1	9.9869	.47772	.05003	.47678	2.0402	1.1088	2.3729	2.0112	1.0665	.98577
#2	9.9855	.47747	.05728	.47152	2.0391	1.1243	2.4061	2.0092	1.0687	.97365
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0095**	**2.0131**	**2.1663**	**.51196**	**.48538**	**.44859**
Stddev	.0046	.0006	.0125	.00098	.00416	.00014
%RSD	.45459	.02762	.57525	.19177	.85729	.03164
#1	1.0127	2.0135	2.1575	.51266	.48833	.44869
#2	1.0062	2.0127	2.1751	.51127	.48244	.44849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3880.8**	**61353.**	**6181.8**
Stddev	8.2	208.	49.4
%RSD	.21050	.33841	.79913
#1	3886.6	61207.	6216.7
#2	3875.0	61500.	6146.9

Sample Name: 280-27317-a-1-h Acquired: 4/9/2012 22:27:10 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**84.957**	**.02213**	**.02300**	**.70379**	**.00286**	**-.00181**	**25.256**	**.00084**	**.04617**
Stddev	.00018	.466	.00087	.00029	.00292	.00001	.00083	.171	.00001	.00019
%RSD	13.458	.54906	3.9409	1.2695	.41444	.24696	45.859	.67802	.81243	.40897
#1	.00144	85.287	.02275	.02321	.70585	.00287	-.00240	25.377	.00083	.04631
#2	.00119	84.627	.02152	.02279	.70173	.00286	-.00122	25.135	.00084	.04604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15221**	**.15931**	**129.29**	**16.887**	**.08770**	**27.892**	**2.2457**	**.00192**	**2.3568**	**.13264**
Stddev	.00046	.00030	1.02	.031	.00051	.168	.0072	.00049	.0200	.00057
%RSD	.29893	.18879	.79022	.18320	.58480	.60396	.31824	25.682	.84909	.43086
#1	.15253	.15910	130.01	16.909	.08807	27.773	2.2407	.00157	2.3710	.13305
#2	.15189	.15952	128.57	16.865	.08734	28.011	2.2508	.00227	2.3427	.13224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0355**	**.07583**	**.62596**	**.00413**	**-.00045**	**2.3001**	**4.9222**	**.00767**	**.27106**	**.03788**
Stddev	.0065	.00212	.00010	.00031	.00170	.0027	.0057	.00054	.00090	.00101
%RSD	.16105	2.8014	.01556	7.4564	375.35	.11546	.11546	6.9934	.33339	2.6665
#1	4.0309	.07734	.62589	.00435	.00075	2.2982	4.9182	.00729	.27170	.03717
#2	4.0401	.07433	.62602	.00392	-.00165	2.3020	4.9262	.00805	.27042	.03860
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1238**	**.00269**	W **-.07720**	**.29822**	**.33832**	**.05122**
Stddev	.0287	.00115	.02786	.00071	.00396	.00110
%RSD	.55928	42.885	36.090	.23745	1.1705	2.1560
#1	5.1035	.00188	-.09691	.29772	.33552	.05044
#2	5.1441	.00351	-.05750	.29872	.34112	.05200
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4114.7**	**64152.**	**6474.8**
Stddev	12.4	85.	53.4
%RSD	.30128	.13265	.82444
#1	4123.4	64213.	6437.1
#2	4105.9	64092.	6512.6

Sample Name: 280-27317-a-1-hSD@5 Acquired: 4/9/2012 22:29:28 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**18.002**	**.00621**	**.00536**	**.14840**	**.00068**	**-.00040**	**5.3916**	**.00001**	**.01015**
Stddev	.00010	.016	.00492	.00027	.00039	.00005	.00016	.0177	.00006	.00004
%RSD	11.170	.09095	79.257	5.1159	.26555	6.8507	40.300	.32826	598.20	.43899
#1	.00099	17.991	.00273	.00517	.14812	.00065	-.00028	5.3791	-.00003	.01012
#2	.00085	18.014	.00969	.00556	.14868	.00072	-.00051	5.4041	.00005	.01018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03232**	**.03221**	**27.200**	**3.5859**	**.01793**	**6.0382**	**.47612**	**-.00015**	**.53248**	**.02854**
Stddev	.00003	.00001	.152	.0300	.00092	.0247	.00096	.00016	.00655	.00034
%RSD	.10124	.02304	.55958	.83670	5.1126	.40911	.20073	107.43	1.2307	1.1771
#1	.03230	.03222	27.093	3.6072	.01728	6.0557	.47679	-.00004	.52785	.02830
#2	.03234	.03221	27.308	3.5647	.01858	6.0207	.47544	-.00027	.53711	.02878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.84065**	**.01750**	**.13983**	**.00024**	**-.00306**	**.49336**	**1.0558**	**.00181**	**.05716**	**.00918**
Stddev	.00193	.00063	.00024	.00169	.00674	.00633	.0135	.00044	.00013	.00128
%RSD	.23012	3.6097	.16924	704.11	219.84	1.2822	1.2822	24.207	.22978	13.928
#1	.84201	.01705	.13966	.00143	.00170	.49783	1.0654	.00211	.05707	.00827
#2	.83928	.01795	.13999	-.00095	-.00783	.48888	1.0462	.00150	.05725	.01008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0660**	**-.00040**	**-.03785**	**.06207**	**.07473**	**.01135**
Stddev	.0021	.00025	.00370	.00012	.00148	.00024
%RSD	.19902	62.648	9.7840	.19475	1.9835	2.0769
#1	1.0675	-.00022	-.03523	.06198	.07578	.01118
#2	1.0645	-.00058	-.04047	.06215	.07368	.01151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4128.3**	**64723.**	**6325.2**
Stddev	.1	120.	25.6
%RSD	.00154	.18578	.40469
#1	4128.2	64808.	6343.3
#2	4128.3	64638.	6307.1

Sample Name: 280-27317-a-1-i ms Acquired: 4/9/2012 22:31:49 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05333**	**129.40**	**.93433**	**.93672**	**2.9472**	**.05164**	F **1.9674**	**75.801**	**.09848**	**.50704**
Stddev	.00004	.52	.00431	.00158	.0034	.00041	.0029	.695	.00022	.00106
%RSD	.07643	.40544	.46127	.16865	.11534	.78552	.14941	.91643	.22221	.20925
#1	.05336	129.03	.93738	.93784	2.9448	.05136	1.9653	75.309	.09863	.50779
#2	.05330	129.77	.93128	.93561	2.9496	.05193	1.9694	76.292	.09832	.50629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39214**	**.41798**	**131.98**	**71.832**	**1.1061**	**75.147**	**2.8592**	**.92282**	**54.006**	**.64015**
Stddev	.00143	.00019	.69	.068	.0033	.091	.0017	.00169	.082	.00128
%RSD	.36533	.04434	.52614	.09436	.29998	.12171	.05807	.18312	.15210	.19929
#1	.39315	.41785	131.49	71.784	1.1038	75.082	2.8581	.92401	53.948	.64105
#2	.39113	.41812	132.47	71.880	1.1085	75.212	2.8604	.92162	54.064	.63925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.525**	**.48675**	**1.0650**	**.23462**	**1.9254**	**5.6119**	**12.009**	**1.8066**	**1.3330**	**.96507**
Stddev	.021	.00078	.0030	.00040	.0002	.0299	.064	.0009	.0025	.00108
%RSD	.16367	.16063	.27904	.17120	.00869	.53313	.53313	.05099	.18640	.11212
#1	12.539	.48731	1.0629	.23490	1.9252	5.6330	12.055	1.8060	1.3313	.96431
#2	12.510	.48620	1.0671	.23433	1.9255	5.5907	11.964	1.8073	1.3348	.96584
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.6991**	**1.8271**	**2.0002**	**.82614**	**.80054**	**.47045**
Stddev	.0020	.0064	.0186	.00085	.00037	.00206
%RSD	.02995	.35253	.92951	.10299	.04674	.43766
#1	6.7005	1.8316	2.0133	.82554	.80028	.46899
#2	6.6977	1.8225	1.9870	.82674	.80081	.47190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4006.0**	**62207.**	**6492.6**
Stddev	1.6	343.	2.1
%RSD	.04111	.55061	.03272
#1	4007.1	61965.	6494.1
#2	4004.8	62449.	6491.1

Sample Name: 280-27317-a-1-j msd Acquired: 4/9/2012 22:33:59 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05328	130.82	.93629	.92045	2.8963	.05178	F 1.9681	80.900	.09730	.50673
Stddev	.00041	.52	.00673	.00140	.0151	.00022	.0027	.204	.00027	.00049
%RSD	.77388	.39776	.71906	.15206	.52204	.42763	.13976	.25172	.27449	.09596
#1	.05299	131.19	.93153	.91946	2.9070	.05194	1.9701	81.044	.09711	.50639
#2	.05357	130.45	.94105	.92144	2.8856	.05163	1.9662	80.756	.09749	.50708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39814	.44235	143.80	72.236	1.1179	76.907	2.9620	.91520	55.376	.62749
Stddev	.00005	.00139	.09	.211	.0042	.082	.0045	.00168	.366	.00065
%RSD	.01185	.31384	.06046	.29203	.37503	.10658	.15319	.18399	.66182	.10354
#1	.39817	.44333	143.86	72.385	1.1209	76.965	2.9588	.91400	55.636	.62703
#2	.39810	.44137	143.74	72.087	1.1149	76.849	2.9652	.91639	55.117	.62795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 13.322	.47218	.61451	.23990	1.9179	5.7941	12.399	1.7942	1.4248	.96252
Stddev	.002	.00232	.00062	.00103	.0033	.0334	.071	.0047	.0092	.00192
%RSD	.01192	.49068	.10158	.42777	.17414	.57640	.57640	.26239	.64336	.19954
#1	13.321	.47054	.61495	.23918	1.9156	5.7704	12.349	1.7975	1.4313	.96388
#2	13.323	.47382	.61407	.24063	1.9203	5.8177	12.450	1.7909	1.4183	.96116
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.4660	1.8130	1.9920	.85072	.80897	.48846
Stddev	.0177	.0019	.0145	.00009	.00344	.00097
%RSD	.23730	.10511	.72799	.01065	.42585	.19898
#1	7.4786	1.8116	1.9818	.85065	.81140	.48915
#2	7.4535	1.8143	2.0023	.85078	.80653	.48777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3987.2	62305.	6440.8
Stddev	.3	206.	40.8
%RSD	.00778	.33045	.63337
#1	3987.0	62451.	6469.6
#2	3987.4	62159.	6411.9

Sample Name: 280-27317-a-1-hPDS Acquired: 4/9/2012 22:36:08 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04593**	**85.476**	**.24140**	**.11417**	**.82232**	**.06094**	**-.00355**	**48.260**	**.05833**	**.09976**
Stddev	.00094	.339	.00438	.00073	.00349	.00043	.00065	.056	.00005	.00038
%RSD	2.0533	.39698	1.8149	.63579	.42457	.71070	18.401	.11540	.09272	.37785
#1	.04660	85.716	.24450	.11468	.82479	.06124	-.00401	48.299	.05829	.10003
#2	.04526	85.237	.23831	.11365	.81985	.06063	-.00308	48.220	.05837	.09950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20529**	**.21583**	**129.29**	**41.144**	**.20887**	**49.419**	**2.2430**	**.04909**	**27.253**	**.18410**
Stddev	.00053	.00068	.31	.173	.00133	.204	.0045	.00007	.085	.00129
%RSD	.25761	.31307	.24128	.42113	.63562	.41201	.20054	.13370	.31040	.70179
#1	.20567	.21535	129.51	41.267	.20981	49.275	2.2398	.04905	27.313	.18501
#2	.20492	.21631	129.07	41.022	.20793	49.562	2.2461	.04914	27.193	.18319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1516**	**.17657**	**.62445**	**.09697**	**.22867**	**7.1686**	**15.341**	**.10281**	**.33087**	**.25831**
Stddev	.0069	.00032	.00379	.00181	.00574	.0179	.038	.00013	.00139	.00172
%RSD	.11218	.18267	.60766	1.8617	2.5117	.24952	.24952	.12197	.41998	.66633
#1	6.1564	.17679	.62713	.09825	.22461	7.1560	15.314	.10290	.33185	.25953
#2	6.1467	.17634	.62177	.09570	.23273	7.1813	15.368	.10272	.32989	.25709
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0856**	**.22728**	**.53408**	**.35290**	**.55134**	**.09023**
Stddev	.0051	.00106	.00917	.00153	.00427	.00053
%RSD	.10080	.46456	1.7163	.43301	.77416	.58653
#1	5.0820	.22653	.52759	.35182	.54832	.09060
#2	5.0892	.22802	.54056	.35398	.55436	.08985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4065.0**	**63605.**	**6451.1**
Stddev	.3	243.	5.2
%RSD	.00791	.38159	.08114
#1	4065.3	63776.	6447.4
#2	4064.8	63433.	6454.8

Sample Name: CCVH-1326164 Acquired: 4/9/2012 22:38:22 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00330**	**51.582**	**-.00225**	**.00238**	**.00030**	**.00003**	**.98161**	**-.00242**	**-.00017**	**.00017**	**.00112**	**.00392**
Stddev	.00006	.357	.00194	.00001	.00006	.00001	.00090	.00102	.00001	.00017	.00004	.00052
%RSD	1.8382	.69212	86.083	.39838	18.902	16.166	.09133	42.274	6.4194	102.08	3.7847	13.163
#1	.00335	51.834	-.00362	.00238	.00026	.00003	.98224	-.00314	-.00018	.00005	.00115	.00429
#2	.00326	51.330	-.00088	.00239	.00034	.00003	.98097	-.00169	-.00016	.00028	.00109	.00356
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.656**	**.06256**	**-.00130**	**.01060**	**-.00002**	**-.00059**	**257.36**	**.00193**	**.00653**	**-.00263**	**4.8326**	**-.00142**
Stddev	.478	.01508	.00089	.00119	.00001	.00031	2.13	.00006	.00170	.00031	.0014	.00052
%RSD	.92621	24.102	68.025	11.237	82.790	52.380	.82885	3.2492	26.067	11.883	.02919	36.266
#1	51.995	.07323	-.00193	.00975	-.00003	-.00037	258.87	.00198	.00532	-.00285	4.8336	-.00106
#2	51.318	.05190	-.00068	.01144	-.00001	-.00081	255.85	.00189	.00773	-.00241	4.8316	-.00179
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00821**	**.00406**	**.00869**	**.00310**	**.00041**	W **4.6947**	**.00468**	**.00208**	**10.311**	**.00274**	**.00109**	**-.18963**
Stddev	.00099	.02309	.04942	.00078	.00008	.0201	.00063	.00075	.051	.00071	.00010	.00107
%RSD	12.042	568.33	568.33	25.063	19.657	.42837	13.483	36.023	.49678	25.816	9.6424	.56321
#1	-.00751	-.01226	-.02625	.00365	.00035	4.6804	.00513	.00155	10.275	.00224	.00116	-.18887
#2	-.00891	.02039	.04364	.00255	.00046	4.7089	.00423	.00261	10.347	.00324	.00101	-.19038
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.4**	**62025.**	**6241.4**
Stddev	1.9	587.	34.9
%RSD	.04891	.94570	.55913
#1	3968.7	62440.	6216.8
#2	3966.0	61610.	6266.1

Sample Name: CCV-1343805 Acquired: 4/9/2012 22:40:43 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50906**	**.50746**	**.94406**	**.48532**	**.53046**	**.50142**	**.00164**	**5.0580**	**.49207**	**.49403**	**.49563**	**.50284**	**2.6306**	**52.473**
Stddev	.00042	.00065	.00095	.00126	.00229	.00161	.00150	.0311	.00128	.00012	.00080	.00072	.0224	.275
%RSD	.08170	.12891	.10031	.25965	.43117	.32020	91.641	.61565	.26010	.02523	.16164	.14301	.85287	.52478
#1	.50877	.50792	.94339	.48443	.53207	.50255	.00270	5.0800	.49116	.49412	.49507	.50335	2.6465	52.668
#2	.50935	.50699	.94473	.48621	.52884	.50028	.00058	5.0360	.49297	.49394	.49620	.50233	2.6148	52.278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0243**	**19.760**	**.50665**	**.49047**	**5.1188**	**.49587**	**.95705**	**.95156**	**.01404**	**.97259**	**.99971**	**4.9951**	**10.690**	**1.0022**
Stddev	.0049	.011	.00050	.00002	.0287	.00078	.00299	.00035	.00352	.00089	.00521	.0122	.026	.0011
%RSD	.47593	.05372	.09911	.00324	.56046	.15783	.31203	.03701	25.037	.09106	.52115	.24358	.24358	.11041
#1	1.0278	19.767	.50630	.49048	5.1391	.49642	.95916	.95131	.01156	.97196	1.0034	5.0037	10.708	1.0014
#2	1.0209	19.752	.50701	.49046	5.0986	.49531	.95494	.95181	.01653	.97321	.99602	4.9865	10.671	1.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52289**	**.01360**	**.49179**	**1.0240**	**.00229**	**.50056**	**.48482**	**.48216**
Stddev	.00307	.00158	.00051	.0001	.01083	.00016	.00067	.00456
%RSD	.58737	11.610	.10374	.00626	472.94	.03188	.13787	.94507
#1	.52506	.01248	.49215	1.0241	-.00537	.50045	.48529	.48538
#2	.52072	.01472	.49143	1.0240	.00995	.50067	.48434	.47894
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4038.2**	**63271.**	**6162.5**
Stddev	14.4	215.	21.5
%RSD	.35633	.34022	.34897
#1	4048.4	63423.	6147.3
#2	4028.0	63119.	6177.7

Sample Name: CCB Acquired: 4/9/2012 22:42:56 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00100**	**.00043**	**-.00008**	**.00084**	**-.00009**	**.00009**	**.00042**	**-.00404**	**-.00005**	**-.00010**	**-.00002**
Stddev	.00021	.00031	.00261	.00072	.00001	.00002	.00056	.00189	.00001	.00017	.00015
%RSD	20.800	71.520	3361.8	85.993	9.8615	22.507	134.21	46.669	11.903	162.43	710.44
#1	.00085	.00021	.00177	.00135	-.00010	.00007	.00082	-.00271	-.00006	.00002	.00008
#2	.00115	.00064	-.00192	.00033	-.00009	.00010	.00002	-.00538	-.00005	-.00022	-.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00215**	**-.00190**	**.05314**	**-.00141**	**-.00109**	**-.00003**	**.00103**	**.04186**	**-.00005**	**.00200**	**.00012**
Stddev	.00001	.00059	.01841	.00027	.00012	.00001	.00049	.00345	.00010	.00145	.00011
%RSD	.62704	31.385	34.634	18.816	11.012	32.514	47.334	8.2412	201.99	72.863	92.586
#1	-.00214	-.00232	.06616	-.00160	-.00100	-.00002	.00068	.03942	-.00012	.00303	.00019
#2	-.00216	-.00147	.04013	-.00122	-.00117	-.00003	.00137	.04430	.00002	.00097	.00004
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00630**	**.00093**	W **-.00726**	**-.00010**	**-.00021**	**.00034**	**.00001**	**.00103**	**.00035**	**.00201**	**-.02451**
Stddev	.00074	.00050	.00073	.01036	.02217	.00001	.00001	.00103	.00034	.00029	.01086
%RSD	11.795	53.287	10.103	10428.	10428.	2.1469	88.470	99.442	97.937	14.432	44.301
#1	.00683	.00058	-.00674	.00722	.01546	.00034	.00000	.00031	.00011	.00180	-.03219
#2	.00578	.00128	-.00778	-.00742	-.01589	.00033	.00001	.00176	.00059	.00221	-.01683
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00007**	**.00171**	**.00047**
Stddev	.00008	.00018	.00103
%RSD	116.14	10.785	217.87
#1	-.00001	.00158	.00120
#2	-.00013	.00184	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4066.8**	**64343.**	**6010.6**
Stddev	16.6	264.	24.1
%RSD	.40826	.41076	.40157
#1	4078.6	64530.	6027.7
#2	4055.1	64156.	5993.5

Sample Name: CCVL1351092 Acquired: 4/9/2012 22:45:21 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01171**	**.10673**	**.01530**	**.08949**	**.01085**	**.00113**	**.10660**	**.20892**	**.00495**	**.01028**	**.01050**	**.01355**	**.11011**	**3.2664**
Stddev	.00006	.00053	.00008	.00116	.00000	.00007	.00204	.00282	.00003	.00025	.00019	.00015	.00114	.0665
%RSD	.49802	.49890	.55273	1.2956	.00265	6.5736	1.9121	1.3501	.68138	2.3908	1.7920	1.1402	1.0321	2.0346
#1	.01167	.10710	.01524	.09031	.01085	.00118	.10805	.20693	.00493	.01046	.01037	.01345	.10931	3.2194
#2	.01175	.10635	.01536	.08867	.01085	.00107	.10516	.21092	.00498	.01011	.01063	.01366	.11092	3.3134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00827**	**.20700**	**.01062**	**.01899**	**1.1100**	**.04109**	**2.6528**	**.00822**	**.00857**	**.00941**	**.01065**	**.48432**	**1.0364**	**.10037**
Stddev	.00042	.00011	.00014	.00008	.0149	.00063	.0144	.00130	.00035	.00055	.00094	.00486	.0104	.00138
%RSD	5.0642	.05118	1.3496	.41014	1.3404	1.5428	.54255	15.787	4.0623	5.8759	8.8173	1.0034	1.0034	1.3772
#1	.00797	.20707	.01072	.01904	1.0995	.04154	2.6630	.00730	.00832	.00980	.01131	.48776	1.0438	.10135
#2	.00857	.20692	.01052	.01893	1.1205	.04065	2.6427	.00914	.00881	.00902	.00998	.48088	1.0291	.09939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01078**	**.01542**	**.01012**	**.01616**	**.07052**	**.00996**	**.02155**	**.01288**
Stddev	.00006	.00017	.00004	.00006	.01296	.00003	.00041	.00326
%RSD	.52525	1.0906	.39997	.36151	18.374	.33899	1.9092	25.354
#1	.01074	.01530	.01015	.01620	.07968	.00993	.02184	.01057
#2	.01082	.01553	.01009	.01612	.06136	.00998	.02126	.01519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.2**	**64633.**	**6070.2**
Stddev	21.1	37.	10.7
%RSD	.51534	.05769	.17619
#1	4082.2	64606.	6077.8
#2	4112.1	64659.	6062.7

Sample Name: mb 280-114600/1-a Acquired: 4/9/2012 22:47:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**.00707**	**.00088**	F **.01180**	**.00037**	**.00005**	**.00114**	**.03317**	**.00003**	**-.00009**
Stddev	.00002	.00005	.00044	.00007	.00019	.00000	.00007	.00261	.00023	.00005
%RSD	1.9071	.67065	49.857	.59630	52.099	7.1533	6.0130	7.8735	825.39	60.047
#1	.00123	.00710	.00057	.01185	.00051	.00005	.00109	.03132	.00019	-.00005
#2	.00120	.00704	.00119	.01175	.00024	.00004	.00119	.03501	-.00014	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00134**	**.01106**	**.05118**	**-.00129**	**.00390**	**.00021**	**-.00001**	**.25795**	**.00022**
Stddev	.00009	.00005	.00146	.02343	.00070	.00021	.00003	.00004	.00525	.00015
%RSD	25.586	3.5048	13.224	45.781	54.176	5.3451	13.807	273.33	2.0360	68.916
#1	.00027	-.00131	.01003	.03461	-.00080	.00404	.00023	.00001	.25423	.00033
#2	.00040	-.00138	.01210	.06775	-.00178	.00375	.00019	-.00004	.26166	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**.00184**	F **.03131**	**-.00129**	W **-.00554**	F **.05407**	**.11571**	**.00793**	**.00011**	**.00003**
Stddev	.00161	.00146	.00282	.00049	.00013	.01238	.02649	.00053	.00003	.00106
%RSD	33.814	79.120	8.9947	37.609	2.3297	22.895	22.895	6.6789	31.017	3204.1
#1	.00361	.00081	.02932	-.00095	-.00545	.06282	.13444	.00756	.00008	.00078
#2	.00588	.00287	.03331	-.00164	-.00563	.04531	.09697	.00831	.00013	-.00071
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000		.00500	.01000				
Low Limit			-.01000		-.00500	-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00094**	**-.02052**	**-.00003**	**.00264**	**.00126**
Stddev	.00002	.00017	.00793	.00010	.00039	.00142
%RSD	2.6445	18.442	38.626	305.25	14.581	113.21
#1	.00058	.00106	-.02612	-.00011	.00292	.00227
#2	.00061	.00081	-.01491	.00004	.00237	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4145.8**	**65641.**	**6164.5**
Stddev	3.8	393.	5.3
%RSD	.09277	.59829	.08662
#1	4148.5	65918.	6160.7
#2	4143.0	65363.	6168.2

Sample Name: lcs 280-114600/2-a Acquired: 4/9/2012 22:50:10 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05394**	**1.9273**	**.95523**	**1.0230**	**2.1403**	**.05075**	**2.0535**	**50.087**	**.10066**	**.49005**
Stddev	.00028	.0209	.00700	.0097	.0170	.00028	.0153	.126	.00102	.00450
%RSD	.52506	1.0833	.73256	.95104	.79572	.54699	.74601	.25130	1.0162	.91889
#1	.05374	1.9420	.96017	1.0299	2.1523	.05094	2.0643	50.176	.10138	.49324
#2	.05414	1.9125	.95028	1.0162	2.1282	.05055	2.0426	49.998	.09993	.48687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19995**	**.25711**	**1.0647**	**53.335**	**1.0378**	**49.004**	**.51761**	**1.0041**	**53.744**	**.49789**
Stddev	.00206	.00026	.0104	.272	.0083	.165	.00207	.0082	.473	.00466
%RSD	1.0324	.09919	.97484	.51016	.79695	.33636	.39957	.81761	.88099	.93521
#1	.20141	.25729	1.0720	53.528	1.0436	48.887	.51615	1.0099	54.079	.50118
#2	.19849	.25693	1.0573	53.143	1.0319	49.120	.51908	.99831	53.409	.49459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8117**	**.47655**	**.04458**	**.46517**	**2.0192**	**1.9234**	F **4.1161**	**2.0084**	**1.0688**	**.97329**
Stddev	.0771	.00517	.00213	.00380	.0156	.0090	.0193	.0234	.0086	.00014
%RSD	.78543	1.0841	4.7836	.81788	.77166	.46761	.46761	1.1647	.80933	.01415
#1	9.8662	.48020	.04608	.46786	2.0302	1.9298	4.1297	2.0250	1.0749	.97319
#2	9.7572	.47289	.04307	.46248	2.0082	1.9170	4.1025	1.9919	1.0626	.97339
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0111**	**1.9981**	**2.1875**	**.51398**	**.48562**	**.44928**
Stddev	.0021	.0248	.0141	.00030	.00010	.00269
%RSD	.20984	1.2433	.64546	.05914	.02051	.59935
#1	1.0096	2.0156	2.1776	.51376	.48555	.45119
#2	1.0126	1.9805	2.1975	.51419	.48569	.44738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3895.9**	**60978.**	**6090.3**
Stddev	34.1	102.	18.2
%RSD	.87525	.16778	.29853
#1	3871.8	60906.	6077.4
#2	3920.0	61051.	6103.2

Sample Name: 280-27405-a-1-a Acquired: 4/9/2012 22:52:19 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00163**	**69.045**	**.05456**	**.01351**	**.94798**	**.00400**	**.00279**	**12.760**	**.00169**	**.05586**
Stddev	.00004	.492	.00270	.00042	.00322	.00001	.00007	.127	.00009	.00004
%RSD	2.2163	.71267	4.9437	3.0901	.34001	.26063	2.5297	.99252	5.2385	.06967
#1	.00161	69.393	.05646	.01322	.95025	.00401	.00274	12.849	.00163	.05589
#2	.00166	68.697	.05265	.01381	.94570	.00399	.00284	12.670	.00176	.05584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09142**	**.23792**	**121.54**	**4.8983**	**.05305**	**10.399**	**7.3149**	**.00567**	**.54162**	**.08486**
Stddev	.00001	.00164	.79	.0231	.00010	.023	.0196	.00041	.00583	.00039
%RSD	.01027	.69013	.65281	.47214	.18598	.22214	.26827	7.2844	1.0765	.46067
#1	.09142	.23908	122.10	4.8820	.05312	10.383	7.3010	.00538	.54574	.08514
#2	.09141	.23676	120.98	4.9147	.05298	10.415	7.3288	.00596	.53750	.08459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1186**	**.25818**	**.57972**	**.00270**	W **-.00607**	**2.5247**	**5.4029**	**.00752**	**.08912**	**.02764**
Stddev	.0047	.00029	.00197	.00077	.00673	.0220	.0471	.00013	.00026	.00249
%RSD	.22071	.11057	.33903	28.526	110.81	.87133	.87133	1.7110	.28677	8.9959
#1	2.1219	.25838	.58111	.00215	-.01083	2.5403	5.4362	.00743	.08930	.02588
#2	2.1153	.25797	.57833	.00324	-.00131	2.5092	5.3696	.00761	.08894	.02940
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3618**	**-.00221**	F **-.18065**	**.18983**	**.48525**	**.01411**
Stddev	.0064	.00079	.01194	.00027	.00344	.00018
%RSD	.46724	35.757	6.6112	.14175	.70960	1.3088
#1	1.3663	-.00165	-.17220	.18964	.48281	.01424
#2	1.3573	-.00277	-.18909	.19002	.48768	.01398
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4403.5**	**68142.**	**6740.9**
Stddev	6.2	35.	85.1
%RSD	.14001	.05204	1.2627
#1	4399.1	68117.	6680.7
#2	4407.8	68167.	6801.1

Sample Name: 280-27405-a-2-a Acquired: 4/9/2012 22:54:41 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00425**	**67.896**	**.04252**	**.01710**	**1.0651**	**.00403**	W **.09230**	**17.018**	**.00199**	**.04620**
Stddev	.00028	.246	.00346	.00012	.0034	.00003	.00143	.054	.00004	.00029
%RSD	6.6045	.36301	8.1396	.68415	.32150	.83236	1.5533	.31520	1.9262	.62333
#1	.00445	67.722	.04007	.01718	1.0627	.00405	.09332	16.980	.00202	.04640
#2	.00405	68.070	.04497	.01702	1.0676	.00400	.09129	17.056	.00196	.04600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08945**	**6.1025**	**87.915**	**5.4423**	**.05260**	**11.938**	**6.6060**	**.00306**	**.52470**	**1.3003**
Stddev	.00014	.0340	.093	.0688	.00104	.082	.0063	.00000	.00039	.0002
%RSD	.15578	.55798	.10619	1.2647	1.9683	.68704	.09607	.12871	.07357	.01238
#1	.08955	6.0784	87.981	5.3936	.05334	11.880	6.6015	.00305	.52443	1.3002
#2	.08935	6.1266	87.849	5.4910	.05187	11.996	6.6105	.00306	.52498	1.3005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6744**	W **69.713**	**1.8086**	**.69618**	**-.00235**	**3.6172**	**7.7409**	**.03370**	**.08261**	**.01863**
Stddev	.0037	.005	.0011	.00358	.00105	.0402	.0860	.00134	.00034	.00190
%RSD	.10108	.00785	.06284	.51382	44.516	1.1114	1.1114	3.9884	.41694	10.187
#1	3.6718	69.716	1.8094	.69871	-.00161	3.5888	7.6801	.03275	.08237	.01729
#2	3.6770	69.709	1.8078	.69365	-.00310	3.6457	7.8017	.03465	.08285	.01997
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91413**	**-.00126**	F **-.17788**	**.15305**	**.70188**	**.01108**
Stddev	.00600	.00126	.00722	.00031	.00715	.00301
%RSD	.65625	100.04	4.0571	.20332	1.0192	27.215
#1	.90989	-.00037	-.17278	.15283	.69682	.00895
#2	.91838	-.00215	-.18299	.15327	.70694	.01321
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4324.0**	**67284.**	**6649.6**
Stddev	5.0	441.	34.4
%RSD	.11460	.65475	.51786
#1	4327.5	67595.	6625.2
#2	4320.5	66972.	6673.9

Sample Name: 280-27405-a-3-a Acquired: 4/9/2012 22:57:03 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00218	61.470	.04151	.02860	.89642	.00366	.01570	39.111	.00287	.03787
Stddev	.00040	.564	.00162	.00018	.00768	.00014	.00076	.409	.00002	.00006
%RSD	18.494	.91783	3.8999	.63320	.85663	3.7550	4.8453	1.0448	.76386	.15867
#1	.00189	61.071	.04036	.02847	.89099	.00356	.01623	38.822	.00286	.03782
#2	.00246	61.869	.04265	.02872	.90185	.00376	.01516	39.400	.00289	.03791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12679	2.8562	108.40	7.2076	.04659	11.085	4.8241	.00340	.50281	.34971
Stddev	.00006	.0302	1.04	.0976	.00064	.102	.0126	.00005	.00242	.00109
%RSD	.04774	1.0568	.95888	1.3537	1.3724	.91935	.26117	1.4503	.48083	.31045
#1	.12675	2.8349	107.67	7.1386	.04614	11.013	4.8330	.00336	.50110	.34895
#2	.12684	2.8776	109.14	7.2766	.04704	11.157	4.8152	.00343	.50452	.35048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 3.5136	W 33.763	3.4145	.07769	-.00178	3.4731	7.4324	.01721	.14449	.01530
Stddev	.0164	.139	.0030	.00125	.00486	.0044	.0094	.00031	.00143	.00038
%RSD	.46763	.41138	.08670	1.6120	273.25	.12590	.12590	1.8132	.98708	2.5119
#1	3.5020	33.665	3.4124	.07680	.00166	3.4700	7.4258	.01743	.14349	.01557
#2	3.5252	33.862	3.4166	.07857	-.00522	3.4762	7.4390	.01698	.14550	.01503
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.88863	.00075	F -.12385	.18299	.69414	.01319
Stddev	.00576	.00307	.01344	.00083	.00391	.00041
%RSD	.64871	410.75	10.850	.45215	.56284	3.1403
#1	.88455	.00292	-.11435	.18241	.69138	.01290
#2	.89271	-.00142	-.13335	.18358	.69691	.01348
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4289.5	66678.	6629.6
Stddev	6.9	121.	44.3
%RSD	.16148	.18109	.66843
#1	4294.4	66764.	6660.9
#2	4284.6	66593.	6598.2

Sample Name: 280-27405-a-4-a Acquired: 4/9/2012 22:59:26 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**76.091**	**.04714**	**.01488**	**.77699**	**.00381**	**.00281**	**11.605**	**.00066**	**.05851**
Stddev	.00008	.049	.00112	.00035	.00002	.00003	.00026	.017	.00004	.00017
%RSD	7.4062	.06440	2.3777	2.3227	.00248	.73353	9.4024	.14339	6.1215	.28593
#1	.00113	76.126	.04794	.01512	.77698	.00383	.00299	11.617	.00063	.05863
#2	.00102	76.057	.04635	.01463	.77701	.00379	.00262	11.593	.00068	.05839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10719**	**.58944**	**106.91**	**6.5861**	**.05859**	**11.651**	**6.1972**	**.00440**	**.58998**	**.08133**
Stddev	.00004	.00269	.08	.0058	.00201	.079	.0380	.00034	.01106	.00036
%RSD	.03332	.45675	.07335	.08835	3.4305	.67460	.61374	7.6797	1.8742	.44861
#1	.10722	.59135	106.97	6.5902	.06001	11.707	6.2241	.00416	.58216	.08158
#2	.10717	.58754	106.86	6.5820	.05716	11.596	6.1703	.00464	.59780	.08107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4799**	**6.7581**	**.99298**	**.01850**	**-.00157**	**3.1492**	**6.7393**	**.00980**	**.08316**	**.02828**
Stddev	.0110	.0307	.00393	.00152	.00857	.0446	.0954	.00061	.00012	.00049
%RSD	.44437	.45352	.39624	8.2017	545.22	1.4153	1.4153	6.1887	.14086	1.7343
#1	2.4721	6.7364	.99020	.01742	.00449	3.1807	6.8068	.00937	.08307	.02793
#2	2.4877	6.7797	.99576	.01957	-.00763	3.1177	6.6719	.01023	.08324	.02863
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2628**	**.00073**	F **-.17804**	**.18907**	**.49273**	**.01272**
Stddev	.0096	.00019	.00411	.00125	.00341	.00097
%RSD	.76045	26.659	2.3077	.66222	.69228	7.5929
#1	1.2696	.00059	-.18094	.18995	.49515	.01341
#2	1.2561	.00087	-.17513	.18818	.49032	.01204
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4402.3**	**68054.**	**6825.1**
Stddev	16.8	675.	3.9
%RSD	.38148	.99162	.05703
#1	4414.2	67577.	6827.9
#2	4390.5	68531.	6822.4

Sample Name: 280-27405-a-4-aSD@5 Acquired: 4/9/2012 23:01:49 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**16.986**	**.01040**	**.00389**	**.17205**	**.00090**	**.00109**	**2.5982**	**.00015**	**.01299**
Stddev	.00025	.017	.00595	.00018	.00078	.00004	.00125	.0019	.00003	.00015
%RSD	22.924	.09923	57.243	4.7415	.45181	4.1172	114.88	.07294	19.092	1.1388
#1	.00127	16.998	.01461	.00402	.17260	.00087	.00020	2.5969	.00018	.01289
#2	.00092	16.974	.00619	.00376	.17150	.00092	.00197	2.5995	.00013	.01310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02407**	**.12743**	**23.462**	**1.4644**	**.01292**	**2.6471**	**1.4102**	**.00035**	**.14130**	**.01812**
Stddev	.00001	.00009	.017	.0011	.00012	.0168	.0118	.00013	.00820	.00027
%RSD	.03472	.07055	.07429	.07388	.93498	.63347	.83868	38.263	5.8046	1.4770
#1	.02408	.12749	23.475	1.4652	.01301	2.6353	1.4019	.00025	.14710	.01831
#2	.02407	.12737	23.450	1.4636	.01284	2.6590	1.4186	.00044	.13550	.01793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54879**	**1.5426**	**.22965**	**.00363**	W **-.00677**	**.66595**	**1.4251**	**.00232**	**.01847**	**.00654**
Stddev	.00267	.0065	.00133	.00119	.00092	.00669	.0143	.00109	.00013	.00022
%RSD	.48603	.41864	.57991	32.699	13.645	1.0040	1.0040	46.840	.69328	3.3989
#1	.54691	1.5381	.22871	.00447	-.00612	.66122	1.4150	.00155	.01856	.00638
#2	.55068	1.5472	.23059	.00279	-.00743	.67068	1.4353	.00309	.01838	.00669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28222**	**.00027**	W **-.05802**	**.04159**	**.11009**	**.00337**
Stddev	.01152	.00111	.00357	.00037	.00048	.00114
%RSD	4.0809	404.32	6.1484	.89418	.43189	33.833
#1	.27408	-.00051	-.06054	.04185	.10975	.00418
#2	.29036	.00106	-.05550	.04133	.11043	.00256
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4218.3**	**66048.**	**6350.5**
Stddev	9.6	358.	31.6
%RSD	.22757	.54235	.49835
#1	4225.0	66301.	6372.8
#2	4211.5	65795.	6328.1

Sample Name: 280-27405-a-4-b ms Acquired: 4/9/2012 23:04:10 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05133**	**124.96**	**.89809**	**.87676**	**2.9335**	**.05011**	F **1.8421**	**60.204**	**.09187**	**.48937**
Stddev	.00045	.02	.00102	.00307	.0039	.00026	.0072	.178	.00034	.00173
%RSD	.86866	.01628	.11317	.35016	.13278	.50991	.39225	.29642	.37084	.35397
#1	.05102	124.98	.89737	.87893	2.9307	.05029	1.8472	60.330	.09211	.49059
#2	.05165	124.95	.89880	.87459	2.9362	.04993	1.8370	60.078	.09163	.48814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31128**	**.78289**	**105.84**	**63.193**	**1.0365**	**59.401**	**6.2378**	**.88006**	**49.972**	**.53224**
Stddev	.00110	.00693	.00	.036	.0006	.654	.0482	.00354	.263	.00110
%RSD	.35476	.88486	.00281	.05737	.05866	1.1002	.77242	.40239	.52649	.20626
#1	.31206	.77799	105.84	63.168	1.0361	58.939	6.2037	.88256	50.158	.53301
#2	.31050	.78779	105.84	63.219	1.0369	59.863	6.2719	.87755	49.785	.53146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.723**	**6.0755**	**1.1265**	**.27135**	**1.8045**	**5.7805**	**12.370**	**1.6897**	**1.1205**	**.82726**
Stddev	.045	.0180	.0104	.00089	.0100	.0260	.056	.0054	.0004	.00931
%RSD	.41784	.29665	.92439	.32808	.55489	.44959	.44959	.31823	.03584	1.1260
#1	10.754	6.0883	1.1339	.27197	1.8116	5.7988	12.410	1.6935	1.1208	.82067
#2	10.691	6.0628	1.1192	.27072	1.7974	5.7621	12.331	1.6858	1.1202	.83385
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1703**	**1.7282**	**1.8134**	**.72267**	**.93732**	**.35176**
Stddev	.0300	.0033	.0142	.00533	.01225	.00266
%RSD	.94533	.19347	.78131	.73801	1.3074	.75520
#1	3.1491	1.7306	1.8033	.71890	.92866	.35364
#2	3.1915	1.7258	1.8234	.72644	.94599	.34988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4252.5**	**64740.**	**6692.1**
Stddev	2.9	469.	23.9
%RSD	.06908	.72409	.35666
#1	4250.4	65071.	6709.0
#2	4254.6	64408.	6675.2

Sample Name: 280-27405-a-4-c msd Acquired: 4/9/2012 23:06:25 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .11512	75.563	.94458	.89025	2.2828	.04950	F 3.7626	56.062	.09464	.48104
Stddev	.00017	.905	.00050	.01297	.0289	.00051	.0773	.645	.00055	.00023
%RSD	.14540	1.1979	.05306	1.4568	1.2646	1.0232	2.0550	1.1509	.58308	.04867
#1	.11523	76.203	.94494	.89942	2.3032	.04986	3.8173	56.518	.09503	.48087
#2	.11500	74.923	.94423	.88108	2.2624	.04914	3.7079	55.606	.09425	.48120
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26788	.75180	65.041	58.279	1.0236	49.705	3.6596	.91123	51.002	.51266
Stddev	.00146	.00112	.828	.757	.0132	.219	.0122	.00226	.791	.00028
%RSD	.54441	.14880	1.2723	1.2987	1.2853	.44120	.33347	.24750	1.5503	.05505
#1	.26891	.75101	65.626	58.815	1.0329	49.860	3.6682	.91282	51.561	.51246
#2	.26685	.75259	64.456	57.744	1.0143	49.550	3.6510	.90963	50.443	.51286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.611	F 1177.5	1.6775	W 17.579	1.8697	4.5540	9.7455	1.7465	1.0516	.79510
Stddev	.107	8.6	.0169	.337	.0178	.0259	.0555	.0033	.0124	.00075
%RSD	.91826	.73319	1.0046	1.9143	.95375	.56924	.56924	.18723	1.1832	.09384
#1	11.686	1183.6	1.6894	17.817	1.8823	4.5723	9.7847	1.7442	1.0604	.79562
#2	11.536	1171.4	1.6656	17.341	1.8571	4.5356	9.7063	1.7488	1.0428	.79457
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	200.00		2.0000						
Low Limit	-1.0000	-.00600		-.01000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.1384	1.7590	1.8273	.60253	.70792	.37180
Stddev	.0039	.0048	.0012	.00011	.00307	.00670
%RSD	.18388	.27215	.06330	.01836	.43418	1.8016
#1	2.1412	1.7624	1.8265	.60245	.71009	.37654
#2	2.1356	1.7557	1.8281	.60261	.70574	.36707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4137.3	68506.	6606.9
Stddev	2.5	254.	102.5
%RSD	.06075	.37063	1.5514
#1	4135.5	68327.	6534.4
#2	4139.1	68686.	6679.4

Sample Name: 280-27405-a-4-aPDS Acquired: 4/9/2012 23:08:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04317**	**76.286**	**.24290**	**.09871**	**.88426**	**.05772**	**.00013**	**33.156**	**.05387**	**.10852**
Stddev	.00010	.643	.00218	.00030	.00647	.00055	.00023	.289	.00044	.00034
%RSD	.22909	.84239	.89615	.29981	.73119	.95843	179.82	.87024	.82542	.30964
#1	.04310	76.741	.24444	.09891	.88883	.05811	-.00004	33.360	.05355	.10828
#2	.04324	75.832	.24136	.09850	.87969	.05733	.00029	32.952	.05418	.10876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15735**	**.63189**	**106.72**	**29.444**	**.16899**	**32.494**	**6.0719**	**.04936**	**24.039**	**.13133**
Stddev	.00095	.00100	.60	.228	.00401	.298	.0609	.00117	.443	.00024
%RSD	.60590	.15881	.56152	.77494	2.3700	.91685	1.0032	2.3655	1.8444	.18474
#1	.15668	.63118	107.14	29.606	.17182	32.284	6.0288	.04853	24.352	.13116
#2	.15803	.63259	106.30	29.283	.16616	32.705	6.1150	.05018	23.725	.13150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.4813**	**6.6257**	**1.0053**	**.16929**	**.21039**	**7.5599**	**16.178**	**.09667**	**.14155**	**.23716**
Stddev	.0193	.0137	.0025	.01239	.00162	.1032	.221	.00092	.00102	.00128
%RSD	.43116	.20603	.24674	7.3190	.77099	1.3652	1.3652	.94962	.72337	.54062
#1	4.4676	6.6161	1.0036	.16053	.20924	7.6329	16.334	.09602	.14228	.23625
#2	4.4949	6.6354	1.0071	.17805	.21153	7.4869	16.022	.09732	.14083	.23807
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2899**	**.20996**	**.39342**	**.24239**	**.69464**	**.04615**
Stddev	.0099	.00019	.00052	.00199	.00769	.00182
%RSD	.76569	.09046	.13194	.82286	1.1074	3.9448
#1	1.2829	.20983	.39379	.24098	.68920	.04744
#2	1.2968	.21010	.39305	.24380	.70008	.04487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4351.4**	**67248.**	**6774.4**
Stddev	7.6	641.	29.2
%RSD	.17442	.95388	.43173
#1	4356.8	67702.	6753.8
#2	4346.1	66794.	6795.1

Sample Name: CCVH-1326164 Acquired: 4/9/2012 23:11:05 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00331**	**51.520**	**-.00284**	**.00263**	**.00018**	**.00009**	**.97033**	**-.00522**	**-.00011**	**.00012**	**.00103**	**.00405**
Stddev	.00013	.687	.00044	.00020	.00008	.00004	.00065	.00340	.00012	.00009	.00013	.00015
%RSD	3.8538	1.3335	15.624	7.4176	48.509	44.576	.06736	65.142	100.75	75.637	12.731	3.7169
#1	.00340	52.005	-.00253	.00249	.00012	.00012	.97079	-.00281	-.00020	.00018	.00113	.00395
#2	.00322	51.034	-.00315	.00277	.00024	.00006	.96987	-.00762	-.00003	.00006	.00094	.00416
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.587**	**.04003**	**.00017**	**.00599**	**-.00012**	**-.00025**	**257.63**	**.00204**	**.00218**	**.00899**	**4.7892**	**.01114**
Stddev	.629	.04380	.00017	.00272	.00007	.00021	3.59	.00014	.00170	.00335	.0106	.00056
%RSD	1.2196	109.44	100.72	45.322	61.325	85.054	1.3928	6.6196	77.794	37.226	.22043	5.0583
#1	52.032	.00905	.00005	.00407	-.00007	-.00040	260.17	.00214	.00098	.01135	4.7817	.01074
#2	51.142	.07100	.00030	.00791	-.00017	-.00010	255.09	.00195	.00338	.00662	4.7967	.01154
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00316**	**.00113**	**.00242**	**.00268**	**.00039**	W **4.6824**	**.00362**	**.00087**	**10.273**	**.00271**	**.00128**	**-.18780**
Stddev	.00009	.01230	.02631	.00112	.00001	.0243	.00013	.00168	.050	.00007	.00029	.00252
%RSD	2.7331	1086.5	1086.5	41.918	1.3160	.51909	3.5745	192.76	.48211	2.4208	22.469	1.3409
#1	-.00309	-.00756	-.01619	.00347	.00039	4.6652	.00353	.00207	10.238	.00276	.00148	-.18602
#2	-.00322	.00983	.02103	.00189	.00039	4.6996	.00372	-.00032	10.308	.00267	.00108	-.18958
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3989.4**	**61599.**	**6139.6**
Stddev	4.6	179.	53.8
%RSD	.11552	.29114	.87628
#1	3992.7	61725.	6101.6
#2	3986.1	61472.	6177.7

Sample Name: CCV-1343805 Acquired: 4/9/2012 23:13:26 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51135**	**.50719**	**.93648**	**.48208**	**.52877**	**.49700**	**-.00022**	**5.0453**	**.49058**	**.49254**	**.49374**	**.50610**	**2.6161**
Stddev	.00163	.00162	.00349	.00332	.00237	.00197	.00038	.0246	.00230	.00148	.00285	.00234	.0032
%RSD	.31813	.31936	.37273	.68911	.44784	.39625	171.79	.48800	.46897	.29991	.57815	.46247	.12294
#1	.51019	.50605	.93401	.47973	.53044	.49839	.00005	5.0628	.48896	.49149	.49172	.50445	2.6184
#2	.51250	.50834	.93894	.48443	.52709	.49560	-.00049	5.0279	.49221	.49358	.49576	.50776	2.6138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.323**	**1.0165**	**19.925**	**.50976**	**.48846**	**5.0635**	**.49526**	**.95646**	**.94634**	**.01584**	**.97382**	**1.0106**	**4.9628**
Stddev	.338	.0015	.105	.00329	.00162	.0359	.00160	.00366	.00640	.00515	.00448	.0060	.0620
%RSD	.64605	.14325	.52488	.64586	.33123	.70870	.32404	.38257	.67640	32.486	.46055	.59211	1.2493
#1	52.562	1.0175	19.851	.50743	.48731	5.0889	.49413	.95387	.94182	.01948	.97065	1.0064	5.0066
#2	52.084	1.0155	19.999	.51209	.48960	5.0381	.49640	.95905	.95087	.01220	.97699	1.0149	4.9190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.620**	**.99667**	**.51908**	**.01363**	**.49302**	**1.0235**	**-.01199**	**.50430**	**.49071**	**.48073**
Stddev	.133	.00347	.00180	.00028	.00245	.0034	.01708	.00380	.00420	.00108
%RSD	1.2493	.34866	.34676	2.0681	.49705	.32891	142.45	.75283	.85521	.22507
#1	10.714	.99422	.52036	.01383	.49129	1.0211	.00009	.50162	.48774	.48150
#2	10.527	.99913	.51781	.01343	.49476	1.0258	-.02407	.50699	.49368	.47997
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.4**	**63115.**	**6172.2**
Stddev	22.2	110.	62.1
%RSD	.54361	.17350	1.0057
#1	4093.1	63193.	6128.3
#2	4061.8	63038.	6216.1

Sample Name: CCB Acquired: 4/9/2012 23:15:38 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.00041**	**.00223**	**.00087**	**-.00008**	**.00007**	**-.00120**	**-.00288**	**-.00008**	**-.00005**	**.00004**
Stddev	.00029	.00032	.00190	.00038	.00017	.00000	.00158	.00090	.00012	.00001	.00011
%RSD	33.116	77.713	85.128	44.212	216.01	7.3472	131.10	31.166	140.09	26.660	252.35
#1	.00066	.00063	.00357	.00060	-.00020	.00007	-.00009	-.00224	-.00017	-.00006	-.00003
#2	.00106	.00018	.00089	.00114	.00004	.00006	-.00232	-.00351	.00000	-.00004	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00211**	**.00100**	**.06587**	**.00055**	**.00165**	**.00003**	**.00080**	**.03930**	**.00003**	**.00045**	**.00221**
Stddev	.00043	.00115	.03927	.00176	.00051	.00002	.00043	.00985	.00003	.00178	.00109
%RSD	20.369	115.46	59.615	322.07	30.688	76.739	54.182	25.063	117.05	391.31	49.419
#1	-.00242	.00018	.03810	-.00070	.00129	.00001	.00049	.03233	.00000	.00171	.00299
#2	-.00181	.00181	.09363	.00179	.00201	.00005	.00110	.04626	.00005	-.00080	.00144
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01454**	W **.00529**	**-.00317**	W **.04153**	**.08887**	**.00048**	**.00000**	**.00129**	**.00039**	**.00058**	**-.00641**
Stddev	.00191	.00304	.00225	.07775	.16639	.00004	.00001	.00065	.00018	.00158	.01257
%RSD	13.126	57.466	70.774	187.22	187.22	7.4941	343.65	50.550	47.418	275.19	196.14
#1	.01319	.00314	-.00159	-.01345	-.02878	.00050	.00000	.00175	.00026	-.00054	.00248
#2	.01589	.00744	-.00476	.09651	.20653	.00045	.00001	.00083	.00052	.00169	-.01530
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314		.03470							
Low Limit		-.00314		-.06940							

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00017**	**.00145**	**.00230**
Stddev	.00017	.00040	.00000
%RSD	102.86	27.826	.08645
#1	.00029	.00116	.00230
#2	.00005	.00174	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4085.5**	**64852.**	**5745.7**
Stddev	2.0	381.	421.5
%RSD	.04832	.58765	7.3352
#1	4084.1	65121.	6043.7
#2	4086.9	64582.	5447.7

Sample Name: CCVL1351092 Acquired: 4/9/2012 23:18:04 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01152**	**.10558**	**.01429**	**.09018**	**.01119**	**.00109**	**.10525**	**.20868**	**.00483**	**.01028**	**.01022**	**.01357**	**.11143**
Stddev	.00025	.00037	.00366	.00044	.00027	.00011	.00017	.00293	.00005	.00000	.00003	.00040	.00071
%RSD	2.1866	.34588	25.626	.49063	2.4514	9.6848	.15705	1.4033	1.0338	.01953	.24630	2.9269	.64005
#1	.01134	.10532	.01688	.09049	.01100	.00101	.10514	.20661	.00480	.01028	.01024	.01385	.11093
#2	.01170	.10584	.01170	.08987	.01138	.00116	.10537	.21075	.00487	.01028	.01020	.01329	.11194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3434**	**.01023**	**.20573**	**.01060**	**.01931**	**1.1136**	**.04102**	**2.6549**	**.00972**	**.01206**	**.01042**	**.01132**	**.48226**
Stddev	.0307	.00143	.00146	.00001	.00012	.0043	.00017	.0025	.00011	.00197	.00005	.00406	.01587
%RSD	.91798	13.956	.70782	.07040	.63181	.38300	.42115	.09546	1.1047	16.357	.51990	35.890	3.2902
#1	3.3651	.00922	.20470	.01060	.01922	1.1106	.04089	2.6531	.00964	.01345	.01046	.00845	.47104
#2	3.3217	.01124	.20676	.01061	.01939	1.1166	.04114	2.6566	.00979	.01066	.01038	.01419	.49348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0320**	**.10082**	**.01085**	**.01542**	**.00980**	**.01570**	F **.09051**	**.00987**	**.02207**	**.01408**
Stddev	.0340	.00010	.00005	.00084	.00009	.00154	.01166	.00017	.00022	.00007
%RSD	3.2902	.09452	.45248	5.4705	.89354	9.8279	12.879	1.7156	1.0193	.53255
#1	1.0080	.10089	.01088	.01601	.00986	.01679	.08227	.00975	.02191	.01402
#2	1.0561	.10075	.01081	.01482	.00974	.01461	.09875	.00999	.02222	.01413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4111.0**	**65283.**	**6101.7**
Stddev	3.9	37.	37.6
%RSD	.09579	.05673	.61619
#1	4113.8	65256.	6128.3
#2	4108.2	65309.	6075.1

Sample Name: 280-27405-a-5-a Acquired: 4/9/2012 23:20:27 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**71.598**	**.03791**	**.01430**	**.82402**	**.00384**	**.00003**	**8.6268**	**.00071**	**.05649**
Stddev	.00020	.094	.00259	.00009	.00094	.00002	.00046	.0291	.00015	.00011
%RSD	15.007	.13107	6.8189	.62687	.11462	.44484	1413.3	.33728	20.574	.18811
#1	.00118	71.664	.03974	.01424	.82336	.00386	-.00029	8.6474	.00081	.05656
#2	.00146	71.532	.03608	.01437	.82469	.00383	.00036	8.6062	.00060	.05641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08988**	**.07285**	**96.810**	**5.1052**	**.05526**	**11.437**	**5.3302**	**.00286**	**.49366**	**.08215**
Stddev	.00036	.00050	.314	.0026	.00267	.091	.0687	.00026	.00136	.00053
%RSD	.39501	.68538	.32438	.05001	4.8319	.79947	1.2892	9.1660	.27523	.63912
#1	.08963	.07250	97.032	5.1034	.05715	11.502	5.3788	.00268	.49462	.08178
#2	.09013	.07321	96.588	5.1070	.05337	11.373	5.2816	.00305	.49270	.08252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2766**	**.61291**	**1.0165**	**-.00121**	W **-.00514**	**3.6513**	**7.8137**	**.00591**	**.07697**	**.02924**
Stddev	.0049	.00623	.0000	.00424	.00603	.0177	.0378	.00036	.00035	.00095
%RSD	.21405	1.0169	.00352	351.54	117.37	.48364	.48364	6.1596	.45248	3.2374
#1	2.2732	.61731	1.0165	-.00421	-.00087	3.6388	7.7870	.00565	.07673	.02991
#2	2.2801	.60850	1.0165	.00179	-.00940	3.6637	7.8404	.00616	.07722	.02857
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4116**	**-.00026**	F **-.16954**	**.17035**	**.26601**	**.01468**
Stddev	.0148	.00088	.00081	.00163	.00297	.00143
%RSD	1.0497	341.96	.47573	.95609	1.1157	9.7681
#1	1.4221	.00036	-.16897	.17150	.26811	.01366
#2	1.4011	-.00088	-.17011	.16919	.26391	.01569
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4360.6**	**67701.**	**6690.9**
Stddev	4.6	353.	13.6
%RSD	.10484	.52145	.20269
#1	4357.4	67451.	6681.3
#2	4363.9	67951.	6700.5

Sample Name: 280-27405-a-6-a Acquired: 4/9/2012 23:22:49 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**62.214**	**.03701**	**.01328**	**.83444**	**.00350**	**.00096**	**14.401**	**.00180**	**.04664**
Stddev	.00012	.129	.00150	.00044	.00334	.00003	.00053	.001	.00010	.00016
%RSD	13.185	.20796	4.0443	3.2977	.40038	.75097	54.992	.00642	5.8324	.33310
#1	.00080	62.305	.03807	.01359	.83680	.00348	.00059	14.401	.00187	.04653
#2	.00097	62.122	.03595	.01297	.83208	.00352	.00133	14.402	.00173	.04675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09287**	**.26409**	**110.98**	**4.6032**	**.04752**	**10.055**	**5.0516**	**.00368**	**.48414**	**.08267**
Stddev	.00036	.00107	.24	.0452	.00191	.033	.0086	.00011	.01619	.00013
%RSD	.38292	.40454	.21388	.98256	4.0173	.32541	.16949	2.9573	3.3438	.15587
#1	.09312	.26333	111.15	4.6352	.04617	10.032	5.0455	.00360	.49559	.08276
#2	.09262	.26484	110.82	4.5712	.04887	10.078	5.0576	.00376	.47269	.08258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9348**	**.34421**	**.92094**	**.00144**	W **-.00711**	**3.1051**	**6.6448**	**.16295**	**.08616**	**.02701**
Stddev	.0079	.00093	.00185	.00173	.00164	.0320	.0685	.00112	.00015	.00050
%RSD	.40694	.27138	.20063	120.39	23.060	1.0303	1.0303	.69036	.17331	1.8600
#1	1.9292	.34355	.92225	.00267	-.00595	3.1277	6.6932	.16374	.08627	.02665
#2	1.9404	.34487	.91964	.00021	-.00827	3.0824	6.5964	.16215	.08606	.02736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3339**	**-.00043**	F **-.16869**	**.16095**	**.49144**	**.01212**
Stddev	.0065	.00152	.00934	.00078	.00242	.00078
%RSD	.48582	354.09	5.5364	.48743	.49258	6.4467
#1	1.3293	-.00150	-.16209	.16039	.48973	.01267
#2	1.3385	.00064	-.17530	.16150	.49315	.01157
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4369.9**	**67668.**	**6764.0**
Stddev	2.3	223.	51.8
%RSD	.05294	.32953	.76547
#1	4371.5	67826.	6727.4
#2	4368.3	67511.	6800.6

Sample Name: 280-27405-a-7-a Acquired: 4/9/2012 23:25:11 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**66.793**	**.04062**	**.01443**	**1.0357**	**.00378**	**.00159**	**11.798**	**.00141**	**.04815**
Stddev	.00023	.323	.00163	.00065	.0044	.00007	.00138	.045	.00021	.00001
%RSD	16.906	.48398	4.0145	4.5304	.42366	1.7250	86.738	.37966	14.801	.01414
#1	.00150	67.021	.04178	.01489	1.0388	.00383	.00062	11.830	.00156	.04815
#2	.00118	66.564	.03947	.01397	1.0326	.00374	.00257	11.766	.00126	.04816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08234**	**.57689**	**88.988**	**6.5682**	**.05382**	**10.583**	**6.4341**	**.00329**	**.47083**	**.08047**
Stddev	.00010	.00003	.547	.0051	.00119	.002	.0743	.00040	.00715	.00016
%RSD	.12612	.00523	.61424	.07748	2.2109	.01990	1.1551	12.175	1.5194	.19277
#1	.08241	.57686	89.374	6.5646	.05298	10.585	6.4867	.00300	.46577	.08058
#2	.08226	.57691	88.601	6.5718	.05466	10.582	6.3816	.00357	.47589	.08036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5897**	**5.6793**	**1.1515**	**.01721**	**-.00437**	**3.3159**	**7.0961**	**.00766**	**.08372**	**.02586**
Stddev	.0080	.0078	.0052	.00056	.00160	.0131	.0281	.00038	.00045	.00003
%RSD	.31088	.13811	.45324	3.2440	36.477	.39565	.39565	4.9990	.53684	.13004
#1	2.5953	5.6848	1.1552	.01681	-.00325	3.3252	7.1160	.00739	.08403	.02588
#2	2.5840	5.6738	1.1478	.01760	-.00550	3.3067	7.0763	.00793	.08340	.02584
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1143**	**-.00118**	F **-.17738**	**.15771**	**.47229**	**.01164**
Stddev	.0029	.00047	.00303	.00049	.00040	.00089
%RSD	.25759	39.471	1.7060	.31219	.08469	7.6031
#1	1.1163	-.00151	-.17952	.15806	.47200	.01227
#2	1.1122	-.00085	-.17524	.15736	.47257	.01102
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4431.2**	**68641.**	**6931.9**
Stddev	7.9	313.	47.9
%RSD	.17858	.45570	.69056
#1	4425.6	68862.	6898.1
#2	4436.8	68420.	6965.8

Sample Name: 280-27405-a-8-a Acquired: 4/9/2012 23:27:35 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00751**	**37.138**	**.03791**	**.02510**	**.55829**	**.00211**	F **.11909**	**34.530**	**.00181**	**.05159**
Stddev	.00043	.074	.00255	.00047	.00254	.00001	.00152	.121	.00013	.00029
%RSD	5.7865	.19966	6.7307	1.8532	.45553	.67058	1.2794	.35136	7.1110	.55628
#1	.00782	37.086	.03611	.02542	.55649	.00210	.11802	34.445	.00190	.05179
#2	.00721	37.191	.03972	.02477	.56009	.00212	.12017	34.616	.00172	.05139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06189**	F **75.997**	**61.446**	**4.6652**	**.02598**	**8.4716**	**3.0073**	**.00262**	**.43391**	W **10.339**
Stddev	.00020	.104	.427	.0366	.00141	.0206	.0158	.00020	.00262	.006
%RSD	.33004	.13670	.69565	.78443	5.4270	.24321	.52624	7.6066	.60440	.06235
#1	.06175	76.071	61.144	4.6393	.02697	8.4570	3.0185	.00276	.43205	10.334
#2	.06204	75.924	61.748	4.6910	.02498	8.4862	2.9961	.00248	.43576	10.343
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit		50.000								10.000
Low Limit		-.02000								-.01000

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6406**	W **95.609**	**3.2149**	**.66869**	**-.00318**	**3.2310**	**6.9144**	**.05015**	**.12482**	**.01561**
Stddev	.0076	.005	.0154	.00118	.00049	.0234	.0500	.00044	.00052	.00085
%RSD	.20868	.00482	.47820	.17600	15.305	.72294	.72294	.88079	.41329	5.4360
#1	3.6460	95.606	3.2041	.66786	-.00284	3.2475	6.9497	.05046	.12445	.01621
#2	3.6352	95.613	3.2258	.66952	-.00352	3.2145	6.8790	.04984	.12518	.01501
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55177**	**-.00025**	W **-.07274**	**.09600**	**.77066**	**.01082**
Stddev	.00489	.00084	.00702	.00039	.00352	.00019
%RSD	.88704	340.03	9.6581	.40887	.45641	1.7783
#1	.54831	-.00084	-.07770	.09628	.76817	.01096
#2	.55523	.00035	-.06777	.09573	.77315	.01069
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.3**	**65574.**	**6520.2**
Stddev	5.6	31.	14.0
%RSD	.13642	.04720	.21468
#1	4121.2	65552.	6530.1
#2	4113.3	65596.	6510.3

Sample Name: CCVH-1326164 Acquired: 4/9/2012 23:30:02 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**51.631**	**-.00254**	**.00200**	**.00013**	**.00003**	**.96537**	**-.00461**	**-.00001**	**.00015**	**.00109**	**.00402**
Stddev	.00038	.123	.00311	.00049	.00006	.00003	.00252	.00513	.00002	.00015	.00013	.00059
%RSD	10.053	.23789	122.43	24.660	46.957	110.23	.26137	111.42	294.70	98.374	12.258	14.633
#1	.00403	51.544	-.00034	.00235	.00009	.00001	.96359	-.00098	-.00002	.00005	.00099	.00444
#2	.00349	51.718	-.00474	.00165	.00018	.00005	.96716	-.00824	.00001	.00026	.00118	.00361
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.751**	**.05293**	**-.00014**	**.00605**	**-.00008**	**-.00080**	**256.79**	**.00188**	**.00353**	**-.00140**	**4.7928**	**.00280**
Stddev	.051	.00588	.00192	.00217	.00005	.00021	.10	.00022	.00002	.00057	.0019	.00259
%RSD	.09827	11.117	1354.9	35.822	62.009	26.712	.04011	11.795	.47779	40.805	.04029	92.754
#1	51.715	.05709	-.00150	.00452	-.00012	-.00095	256.72	.00203	.00352	-.00180	4.7915	.00096
#2	51.787	.04877	.00122	.00759	-.00005	-.00065	256.87	.00172	.00354	-.00099	4.7942	.00463
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00358**	**-.00101**	**-.00217**	**.00149**	**.00043**	W **4.6710**	**.00330**	**.00024**	**10.238**	**.00261**	**.00079**	**-.18959**
Stddev	.00142	.01152	.02465	.00013	.00000	.0217	.00012	.00184	.093	.00024	.00071	.00156
%RSD	39.612	1138.8	1138.8	9.0435	.70501	.46419	3.5420	755.92	.90897	9.3519	89.654	.82397
#1	-.00257	-.00916	-.01960	.00139	.00042	4.6863	.00322	-.00106	10.304	.00243	.00129	-.19069
#2	-.00458	.00713	.01527	.00158	.00043	4.6557	.00339	.00155	10.172	.00278	.00029	-.18848
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3977.1**	**61353.**	**6099.1**
Stddev	4.9	37.	24.9
%RSD	.12346	.05964	.40873
#1	3980.5	61378.	6116.7
#2	3973.6	61327.	6081.4

Sample Name: CCV-1343805 Acquired: 4/9/2012 23:32:24 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53306**	**.50977**	**.93543**	**.48404**	**.53114**	**.49979**	**.00268**	**5.0640**	**.49211**	**.49278**	**.49468**	**.52612**	**2.6331**
Stddev	.03619	.00427	.00173	.00013	.00097	.00017	.00018	.0141	.00004	.00121	.00137	.03396	.0118
%RSD	6.7884	.83711	.18547	.02707	.18294	.03335	6.6479	.27869	.00879	.24644	.27611	6.4542	.44646
#1	.50748	.50675	.93666	.48413	.53183	.49967	.00281	5.0740	.49214	.49192	.49372	.50211	2.6415
#2	.55865	.51278	.93420	.48395	.53045	.49991	.00256	5.0540	.49208	.49364	.49565	.55013	2.6248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.655**	**1.0192**	**20.892**	**.53364**	**.48966**	**5.0881**	**.49578**	**.95577**	**.94489**	**.01294**	**.96842**	**1.0039**	**4.9823**
Stddev	.100	.0031	1.581	.03966	.00053	.0235	.00283	.00073	.00306	.00115	.00093	.0054	.0230
%RSD	.19084	.30240	7.5671	7.4317	.10780	.46234	.56999	.07676	.32414	8.8853	.09586	.53527	.46252
#1	52.726	1.0170	19.774	.50560	.48928	5.0715	.49378	.95629	.94272	.01213	.96777	1.0001	4.9986
#2	52.584	1.0214	22.010	.56168	.49003	5.1047	.49778	.95526	.94706	.01375	.96908	1.0077	4.9660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.662**	**1.0027**	**.52181**	**.01423**	**.51475**	**1.0260**	**-.00716**	**.52577**	**.51323**	**.48425**
Stddev	.049	.0046	.00075	.00059	.03537	.0033	.01258	.03536	.04299	.00501
%RSD	.46252	.45855	.14314	4.1497	6.8716	.32148	175.85	6.7253	8.3771	1.0354
#1	10.697	.99946	.52234	.01465	.48974	1.0237	-.01606	.50077	.48283	.48070
#2	10.627	1.0060	.52128	.01381	.53976	1.0284	.00174	.55077	.54363	.48779
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4057.5**	**60872.**	**6071.3**
Stddev	7.9	3641.	21.9
%RSD	.19504	5.9809	.36113
#1	4063.1	63447.	6055.8
#2	4051.9	58298.	6086.8

Sample Name: CCB Acquired: 4/9/2012 23:34:37 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00106**	**.00069**	**.00150**	**.00077**	**.00004**	**-.00002**	**.00172**	**-.00420**	**.00003**	**-.00012**	**.00011**
Stddev	.00027	.00078	.00295	.00018	.00015	.00002	.00162	.00091	.00002	.00005	.00012
%RSD	25.643	113.37	196.78	23.576	367.10	90.472	94.114	21.695	71.583	39.670	106.02
#1	.00125	.00124	-.00059	.00064	-.00007	-.00001	.00058	-.00485	.00005	-.00008	.00003
#2	.00086	.00014	.00358	.00090	.00015	-.00004	.00287	-.00356	.00002	-.00015	.00019
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00165**	**.00118**	**.01207**	**-.00095**	**-.00100**	**.00002**	**.00057**	**.04048**	**.00008**	**.00079**	**.00207**
Stddev	.00017	.00202	.01319	.00019	.00149	.00001	.00038	.01184	.00013	.00086	.00255
%RSD	10.230	170.85	109.35	20.216	148.40	49.189	66.144	29.246	163.51	108.63	123.35
#1	-.00153	-.00025	.02140	-.00081	-.00206	.00001	.00030	.03211	-.00001	.00018	.00387
#2	-.00177	.00261	.00274	-.00108	.00005	.00003	.00083	.04885	.00017	.00140	.00026
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00844**	**-.00005**	**-.00336**	**-.01700**	**-.03639**	**.00170**	**-.00002**	**.00002**	W **.00061**	**.00078**	**-.01507**
Stddev	.00232	.00290	.00196	.00459	.00981	.00061	.00002	.00050	.00001	.00240	.00278
%RSD	27.505	5891.7	58.457	26.975	26.975	35.587	82.011	2576.1	1.9757	307.06	18.476
#1	.00680	.00200	-.00474	-.01376	-.02945	.00213	-.00001	-.00034	.00062	-.00092	-.01310
#2	.01008	-.00210	-.00197	-.02025	-.04333	.00127	-.00003	.00038	.00060	.00248	-.01704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit									.00060		
Low Limit									-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00005**	**.00182**	**-.00001**
Stddev	.00010	.00002	.00077
%RSD	189.14	.89116	6212.8
#1	-.00012	.00181	-.00056
#2	.00002	.00183	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4082.8**	**64452.**	**6015.4**
Stddev	12.8	38.	107.4
%RSD	.31264	.05969	1.7856
#1	4073.8	64425.	6091.4
#2	4091.8	64479.	5939.5

Sample Name: CCVL1351092 Acquired: 4/9/2012 23:37:03 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01125**	**.10595**	**.01508**	**.08941**	**.01084**	**.00103**	**.10657**	**.20974**	**.00493**	**.01030**	**.01035**	**.01393**	**.10758**	**3.2956**
Stddev	.00014	.00100	.00511	.00019	.00003	.00005	.00146	.00702	.00012	.00002	.00016	.00049	.00324	.0566
%RSD	1.2293	.94465	33.895	.20735	.27766	4.9517	1.3701	3.3488	2.3881	.21559	1.5612	3.5335	3.0142	1.7191
#1	.01116	.10524	.01147	.08928	.01082	.00100	.10554	.21471	.00485	.01028	.01023	.01428	.10988	3.3357
#2	.01135	.10665	.01870	.08954	.01086	.00107	.10760	.20477	.00502	.01031	.01046	.01359	.10529	3.2556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.20454**	**.01075**	**.01917**	**1.1115**	**.04106**	**2.6512**	**.01012**	**.01015**	**.01022**	**.01611**	**.48277**	**1.0331**	**.09980**
Stddev	.00079	.00090	.00013	.00033	.0271	.00040	.0212	.00022	.00083	.00080	.00063	.00462	.0099	.00086
%RSD	7.4643	.44233	1.2282	1.7270	2.4406	.96727	.80041	2.1354	8.2241	7.8479	3.8896	.95733	.95733	.85829
#1	.01109	.20518	.01084	.01893	1.1307	.04078	2.6362	.00997	.00956	.00965	.01567	.47950	1.0261	.10041
#2	.00997	.20390	.01065	.01940	1.0923	.04134	2.6662	.01027	.01074	.01078	.01655	.48604	1.0401	.09919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01076**	**.01534**	**.00982**	**.01712**	**.05739**	**.01014**	**.02168**	**.01482**
Stddev	.00001	.00119	.00010	.00022	.00874	.00020	.00054	.00050
%RSD	.08871	7.7539	.98486	1.2602	15.223	2.0210	2.5139	3.4011
#1	.01077	.01618	.00975	.01728	.05121	.01000	.02206	.01518
#2	.01076	.01450	.00989	.01697	.06357	.01029	.02129	.01447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4105.2**	**64643.**	**6017.1**
Stddev	18.9	160.	60.4
%RSD	.45961	.24776	1.0032
#1	4118.5	64529.	5974.4
#2	4091.9	64756.	6059.8

Sample Name: mb 280-114539/1-a Acquired: 4/9/2012 23:39:26 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00235**	**-.00010**	**-.00005**	**.00029**	**.00005**	**-.00085**	F **.20419**	**-.00003**	**-.00015**
Stddev	.00024	.00032	.00121	.00006	.00020	.00002	.00093	.00067	.00001	.00007
%RSD	24.935	13.821	1222.3	122.87	68.718	46.230	110.26	.32617	31.682	45.983
#1	.00080	.00212	.00076	-.00001	.00015	.00007	-.00151	.20466	-.00004	-.00020
#2	.00114	.00258	-.00096	-.00009	.00043	.00003	-.00019	.20372	-.00003	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								.20000		
Low Limit								-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00138**	**.00351**	**.05487**	**-.00089**	**.03440**	**.00008**	**-.00006**	**.09016**	**.00012**
Stddev	.00011	.00015	.00148	.03031	.00048	.00025	.00001	.00002	.00702	.00050
%RSD	119.86	10.929	41.997	55.242	54.064	.71924	18.730	36.394	7.7901	401.24
#1	.00017	-.00127	.00247	.07631	-.00123	.03423	.00009	-.00008	.09513	.00048
#2	.00001	-.00149	.00456	.03344	-.00055	.03458	.00007	-.00005	.08520	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00167**	**.00050**	F **.08513**	**.00063**	**-.00146**	F **-.01094**	**-.02342**	**.00063**	**.00034**	**.00055**
Stddev	.00147	.00057	.00263	.00066	.00393	.00811	.01736	.00033	.00000	.00032
%RSD	87.913	113.81	3.0887	104.58	268.98	74.136	74.136	53.139	.52928	58.976
#1	.00272	.00010	.08327	.00110	-.00424	-.00521	-.01114	.00086	.00034	.00032
#2	.00063	.00091	.08699	.00016	.00132	-.01668	-.03570	.00039	.00034	.00078
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00058**	**.00652**	**.00012**	W **.00837**	**.00165**
Stddev	.00031	.00068	.00157	.00017	.00027	.00089
%RSD	88.615	117.30	24.038	134.50	3.2368	54.131
#1	.00056	.00107	.00541	.00024	.00856	.00228
#2	.00013	.00010	.00763	.00001	.00818	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4150.9**	**65225.**	**6131.4**
Stddev	4.1	28.	5.5
%RSD	.09971	.04263	.09043
#1	4147.9	65245.	6127.5
#2	4153.8	65206.	6135.4

Sample Name: lcs 280-114539/2-a Acquired: 4/9/2012 23:41:51 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05374**	**1.9136**	**.95516**	**.96138**	**2.1543**	**.05140**	**2.0473**	**50.424**	**.10059**	**.48820**
Stddev	.00047	.0126	.01183	.00541	.0409	.00125	.0091	.960	.00058	.00110
%RSD	.87034	.65941	1.2389	.56228	1.8970	2.4337	.44293	1.9033	.57864	.22585
#1	.05407	1.9046	.94679	.95755	2.1254	.05052	2.0409	49.745	.10018	.48742
#2	.05341	1.9225	.96353	.96520	2.1832	.05229	2.0537	51.102	.10100	.48898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19917**	**.25548**	**1.0611**	**53.798**	**1.0374**	**49.369**	**.51865**	**1.0032**	**54.252**	**.49705**
Stddev	.00038	.00052	.0132	.923	.0195	.436	.00339	.0009	.847	.00238
%RSD	.19249	.20225	1.2428	1.7155	1.8829	.88341	.65407	.08849	1.5606	.47910
#1	.19890	.25585	1.0518	53.145	1.0235	49.677	.52105	1.0026	53.653	.49537
#2	.19944	.25512	1.0704	54.450	1.0512	49.060	.51625	1.0039	54.851	.49873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7461**	**.46798**	**.05417**	**.47159**	**2.0248**	**10.270**	F **21.977**	**2.0103**	**1.0774**	**.97542**
Stddev	.0209	.00211	.00139	.00279	.0100	.159	.341	.0073	.0207	.00575
%RSD	.21445	.45000	2.5748	.59200	.49503	1.5507	1.5507	.36250	1.9243	.58999
#1	9.7313	.46947	.05319	.46961	2.0177	10.157	21.736	2.0052	1.0627	.97949
#2	9.7609	.46650	.05516	.47356	2.0319	10.382	22.218	2.0155	1.0921	.97135
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0048**	**1.9718**	**2.1605**	**.51257**	**.49081**	**.45373**
Stddev	.0054	.0141	.0021	.00409	.00603	.01167
%RSD	.53752	.71684	.09879	.79840	1.2286	2.5726
#1	1.0086	1.9618	2.1590	.51546	.49508	.44548
#2	1.0010	1.9818	2.1621	.50968	.48655	.46199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3935.3**	**61207.**	**6031.0**
Stddev	14.8	142.	95.8
%RSD	.37674	.23221	1.5882
#1	3945.8	61308.	6098.7
#2	3924.8	61107.	5963.2

Sample Name: 280-27276-e-1-b Acquired: 4/9/2012 23:43:59 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**15.476**	**.00358**	**.12072**	**.13640**	**.00090**	**-.00329**	**81.489**	**.00035**	**.00634**
Stddev	.00010	.043	.00063	.00091	.00028	.00000	.00086	.148	.00015	.00008
%RSD	12.690	.27873	17.510	.75342	.20658	.44326	26.226	.18125	43.767	1.2756
#1	.00090	15.507	.00403	.12007	.13660	.00089	-.00390	81.594	.00046	.00628
#2	.00075	15.446	.00314	.12136	.13620	.00090	-.00268	81.385	.00024	.00639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05257**	**.01687**	**15.544**	**6.5930**	**.02561**	**16.476**	**.27926**	**.00828**	W **548.09**	**.02781**
Stddev	.00007	.00059	.058	.0066	.00151	.069	.00213	.00089	1.38	.00032
%RSD	.12640	3.4782	.37026	.10071	5.8972	.42152	.76389	10.738	.25188	1.1396
#1	.05262	.01645	15.585	6.5883	.02454	16.427	.27776	.00765	549.07	.02759
#2	.05252	.01728	15.504	6.5977	.02668	16.526	.28077	.00891	547.12	.02804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35489**	**.01156**	F **355.79**	**.00013**	**.05152**	**32.433**	**69.406**	**.00183**	**1.0679**	**.00513**
Stddev	.00319	.00106	1.44	.00345	.00541	.063	.135	.00055	.0029	.00085
%RSD	.89986	9.1338	.40594	2688.0	10.492	.19386	.19386	30.233	.27155	16.567
#1	.35715	.01231	354.77	.00257	.05534	32.388	69.311	.00144	1.0699	.00573
#2	.35264	.01082	356.81	-.00231	.04770	32.477	69.501	.00222	1.0658	.00453
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50222**	**.00083**	**-.00636**	**.03223**	**.05282**	**.00289**
Stddev	.00221	.00106	.00444	.00004	.00039	.00061
%RSD	.43956	127.99	69.875	.11598	.74752	21.080
#1	.50066	.00157	-.00322	.03225	.05254	.00246
#2	.50378	.00008	-.00950	.03220	.05310	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3839.9**	**58088.**	**6092.7**
Stddev	16.9	343.	20.8
%RSD	.44037	.59089	.34185
#1	3851.8	58331.	6078.0
#2	3827.9	57845.	6107.5

Sample Name: 280-27276-e-1-bSD@5 Acquired: 4/9/2012 23:46:25 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00123	W 3.1270	.00030	.02619	.02784	.00023	.00137	16.508	-.00010	.00105
Stddev	.00004	.0129	.00520	.00074	.00007	.00005	.00147	.112	.00004	.00002
%RSD	3.3368	.41312	1721.1	2.8151	.24505	20.365	107.13	.67846	33.891	1.8131
#1	.00120	3.1361	-.00337	.02566	.02789	.00027	.00033	16.587	-.00008	.00104
#2	.00126	3.1178	.00398	.02671	.02779	.00020	.00240	16.429	-.00013	.00107
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01130	.00258	3.1956	1.4170	.00528	3.4443	.05608	.00124	111.76	.00592
Stddev	.00015	.00026	.0171	.0350	.00013	.0207	.00020	.00004	.38	.00009
%RSD	1.3601	10.217	.53582	2.4678	2.5411	.60053	.36501	3.6237	.34343	1.4780
#1	.01141	.00239	3.2077	1.4417	.00537	3.4296	.05594	.00121	112.03	.00598
#2	.01120	.00276	3.1835	1.3923	.00518	3.4589	.05623	.00127	111.48	.00586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07136	.00225	73.468	-.00183	.00895	6.5031	13.917	.00045	.21550	.00133
Stddev	.00317	.00000	.713	.00036	.00026	.0317	.068	.00014	.00100	.00058
%RSD	4.4471	.19997	.97071	19.439	2.8731	.48689	.48689	30.656	.46307	43.816
#1	.06911	.00225	72.963	-.00208	.00877	6.5255	13.965	.00055	.21621	.00092
#2	.07360	.00225	73.972	-.00158	.00913	6.4807	13.869	.00036	.21480	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09975	.00075	-.00992	.00623	.01565	.00015
Stddev	.00073	.00009	.02551	.00042	.00052	.00073
%RSD	.73285	11.786	257.14	6.8112	3.3339	488.52
#1	.09923	.00069	.00812	.00593	.01528	-.00037
#2	.10027	.00082	-.02796	.00653	.01602	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4042.7	62498.	6135.5
Stddev	25.6	53.	34.3
%RSD	.63395	.08447	.55978
#1	4060.8	62536.	6111.2
#2	4024.5	62461.	6159.8

Sample Name: 280-27276-e-1-c ms Acquired: 4/9/2012 23:48:46 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05658**	**23.963**	**.98079**	**1.0668**	**2.3170**	**.05164**	F **2.0167**	**131.43**	**.10240**	**.48061**
Stddev	.00008	.121	.00292	.0022	.0109	.00022	.0017	.77	.00007	.00036
%RSD	.14109	.50385	.29770	.20157	.46917	.41965	.08570	.58340	.06348	.07440
#1	.05652	23.878	.98285	1.0653	2.3093	.05149	2.0179	130.89	.10245	.48086
#2	.05664	24.048	.97872	1.0683	2.3247	.05180	2.0154	131.97	.10235	.48035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25157**	**.27676**	**17.677**	**62.662**	**1.0887**	**63.864**	**.78757**	**.99297**	W **607.97**	**.50838**
Stddev	.00055	.00028	.114	.347	.0048	.526	.00438	.00074	3.46	.00129
%RSD	.21887	.10202	.64237	.55387	.44427	.82354	.55669	.07453	.56870	.25318
#1	.25196	.27656	17.597	62.417	1.0853	64.236	.79067	.99349	605.53	.50929
#2	.25118	.27696	17.757	62.908	1.0921	63.493	.78447	.99245	610.42	.50747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.373**	**.44797**	F **363.57**	**.46767**	**2.1737**	W **57.472**	**122.99**	**1.9144**	**2.1666**	**.97764**
Stddev	.001	.00161	.89	.00099	.0071	.242	.52	.0050	.0129	.00328
%RSD	.00571	.36016	.24553	.21089	.32458	.42096	.42096	.26385	.59583	.33537
#1	10.374	.44911	364.20	.46837	2.1787	57.301	122.62	1.9180	2.1574	.97996
#2	10.373	.44683	362.93	.46697	2.1687	57.643	123.36	1.9108	2.1757	.97532
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6023**	**1.7608**	**2.1187**	**.55095**	**.53311**	**.45858**
Stddev	.0074	.0005	.0102	.00228	.00478	.00356
%RSD	.46030	.02625	.48263	.41396	.89597	.77605
#1	1.6075	1.7605	2.1114	.55257	.53649	.45606
#2	1.5971	1.7611	2.1259	.54934	.52974	.46110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3749.5**	**57912.**	**6078.3**
Stddev	.4	200.	7.7
%RSD	.01109	.34503	.12657
#1	3749.2	57771.	6083.7
#2	3749.8	58053.	6072.9

Sample Name: 280-27276-e-1-d msd Acquired: 4/9/2012 23:51:01 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05575**	**24.164**	**.99223**	**1.0715**	**2.3252**	**.05200**	F **2.0248**	**134.15**	**.10271**	**.48318**
Stddev	.00007	.089	.00418	.0002	.0103	.00007	.0040	.45	.00023	.00035
%RSD	.13398	.37012	.42148	.02021	.44111	.12993	.19963	.33761	.22724	.07194
#1	.05569	24.101	.98927	1.0714	2.3180	.05205	2.0276	133.83	.10255	.48293
#2	.05580	24.228	.99518	1.0717	2.3325	.05196	2.0219	134.47	.10288	.48342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25317**	**.27565**	**17.941**	**62.762**	**1.0927**	**64.176**	**.79172**	**.99464**	W **620.42**	**.51108**
Stddev	.00041	.00136	.078	.506	.0027	.273	.00097	.00229	3.56	.00006
%RSD	.16098	.49486	.43718	.80549	.24435	.42469	.12311	.23051	.57440	.01136
#1	.25346	.27661	17.886	62.405	1.0908	64.368	.79241	.99626	617.90	.51112
#2	.25289	.27468	17.997	63.120	1.0946	63.983	.79103	.99302	622.94	.51103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.422**	**.45240**	F **370.27**	**.46696**	**2.1795**	W **58.368**	**124.91**	**1.9090**	**2.1895**	**.98001**
Stddev	.036	.00134	.09	.00073	.0063	.211	.45	.0022	.0108	.00340
%RSD	.34931	.29687	.02342	.15594	.28821	.36164	.36164	.11690	.49128	.34655
#1	10.396	.45145	370.33	.46644	2.1751	58.218	124.59	1.9106	2.1819	.98241
#2	10.447	.45335	370.21	.46747	2.1840	58.517	125.23	1.9074	2.1971	.97760
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6052**	**1.7594**	**2.1221**	**.54887**	**.53596**	**.46028**
Stddev	.0069	.0091	.0173	.00185	.00142	.00249
%RSD	.43218	.51609	.81613	.33710	.26445	.54080
#1	1.6101	1.7658	2.1098	.55018	.53696	.45852
#2	1.6003	1.7530	2.1343	.54756	.53496	.46204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3733.0**	**57807.**	**6107.8**
Stddev	1.0	24.	52.4
%RSD	.02682	.04161	.85782
#1	3732.3	57790.	6144.9
#2	3733.7	57824.	6070.8

Sample Name: 280-27276-e-2-d Acquired: 4/9/2012 23:53:15 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**25.244**	**.00957**	**.18873**	**.16774**	**.00129**	**-.00356**	**78.804**	**.00047**	**.01035**
Stddev	.00041	.016	.00147	.00024	.00010	.00001	.00215	.062	.00007	.00008
%RSD	33.781	.06409	15.374	.12874	.06091	1.1275	60.396	.07906	15.834	.80071
#1	.00093	25.255	.00853	.18855	.16781	.00130	-.00509	78.760	.00042	.01029
#2	.00152	25.232	.01061	.18890	.16766	.00128	-.00204	78.848	.00052	.01040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05890**	**.02730**	**25.428**	**7.4343**	**.04997**	**13.730**	**.53975**	**.01460**	**458.92**	**.03769**
Stddev	.00022	.00081	.051	.0299	.00026	.105	.00372	.00124	.92	.00045
%RSD	.36966	2.9713	.19922	.40201	.52652	.76335	.68871	8.5146	.20018	1.2030
#1	.05874	.02673	25.464	7.4554	.04979	13.656	.53712	.01373	459.57	.03737
#2	.05905	.02788	25.393	7.4131	.05016	13.804	.54238	.01548	458.27	.03801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49000**	**.01433**	F **306.17**	**-.00063**	**.00144**	**42.629**	**91.227**	**.00118**	**.81409**	**.00737**
Stddev	.00137	.00025	.71	.00011	.00130	.043	.092	.00016	.00048	.00112
%RSD	.27932	1.7769	.23222	17.097	90.537	.10051	.10051	13.528	.05886	15.251
#1	.48903	.01451	305.66	-.00071	.00052	42.599	91.162	.00107	.81443	.00658
#2	.49097	.01415	306.67	-.00056	.00236	42.660	91.292	.00130	.81375	.00817
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87534**	**.00247**	**-.02905**	**.05056**	**.07898**	**.00539**
Stddev	.00561	.00123	.01560	.00052	.00117	.00024
%RSD	.64094	49.770	53.698	1.0311	1.4811	4.4954
#1	.87137	.00333	-.01802	.05020	.07816	.00557
#2	.87931	.00160	-.04008	.05093	.07981	.00522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3861.2**	**59499.**	**6166.2**
Stddev	22.5	395.	5.8
%RSD	.58175	.66397	.09358
#1	3877.1	59778.	6170.3
#2	3845.3	59219.	6162.1

Sample Name: 280-27279-d-1-a Acquired: 4/9/2012 23:55:41 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00131	.00587	.00025	.04580	.10060	.00014	-.00173	6.7116	.00003	-.00031
Stddev	.00001	.00023	.00097	.00014	.00014	.00005	.00141	.0782	.00006	.00009
%RSD	1.1316	3.9993	392.69	.29842	.13877	35.763	81.723	1.1646	224.66	29.072
#1	.00132	.00604	.00093	.04590	.10051	.00011	-.00273	6.6564	.00007	-.00025
#2	.00130	.00571	-.00044	.04571	.10070	.00018	-.00073	6.7669	-.00002	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.00187	.12060	2.2967	.01443	.56278	.01638	.00525	71.781	.00033
Stddev	.00022	.00050	.00145	.0118	.00043	.00217	.00005	.00048	.726	.00018
%RSD	104.42	26.550	1.2013	.51472	3.0101	.38494	.30295	9.1257	1.0113	56.402
#1	.00005	.00222	.11958	2.3050	.01412	.56431	.01634	.00491	71.268	.00020
#2	.00036	.00152	.12163	2.2883	.01474	.56125	.01641	.00559	72.295	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00651	.00212	5.9493	-.00142	-.00297	6.1121	13.080	.00156	.14424	.00043
Stddev	.00214	.00098	.0108	.00167	.00496	.0844	.181	.00039	.00145	.00013
%RSD	32.859	46.030	.18100	117.72	166.82	1.3805	1.3805	25.003	1.0033	30.630
#1	.00802	.00281	5.9569	-.00024	-.00648	6.0524	12.952	.00129	.14322	.00053
#2	.00499	.00143	5.9417	-.00260	.00053	6.1717	13.207	.00184	.14527	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00092	.00051	-.00772	-.00004	.10545	.00277
Stddev	.00008	.00235	.01960	.00042	.00043	.00055
%RSD	8.5428	463.25	253.99	1123.6	.41018	19.702
#1	.00098	.00217	.00614	.00026	.10514	.00239
#2	.00087	-.00115	-.02158	-.00033	.10575	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4003.9	63454.	6215.1
Stddev	6.3	231.	53.4
%RSD	.15671	.36479	.85984
#1	3999.5	63617.	6252.9
#2	4008.4	63290.	6177.3

Sample Name: 280-27283-b-1-e Acquired: 4/9/2012 23:58:04 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**.02088**	**.00322**	**.00974**	**.02637**	**.00005**	**.00027**	**27.693**	**.00005**	**.00014**
Stddev	.00045	.00023	.00285	.00015	.00057	.00008	.00173	.487	.00009	.00017
%RSD	31.498	1.0827	88.744	1.5839	2.1615	152.28	641.22	1.7568	164.66	120.33
#1	.00176	.02072	.00523	.00963	.02677	.00011	-.00095	28.037	-.00001	.00002
#2	.00112	.02104	.00120	.00985	.02596	.00000	.00149	27.349	.00012	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00408**	**.00795**	**1.0333**	**.00447**	**5.5955**	**.00060**	**.00068**	**7.8499**	**-.00011**
Stddev	.00001	.00032	.00062	.0117	.00038	.0057	.00000	.00010	.0975	.00035
%RSD	1.9926	7.7440	7.8050	1.1278	8.4297	.10155	.41495	14.800	1.2419	325.46
#1	.00057	.00385	.00751	1.0416	.00420	5.5996	.00060	.00061	7.9189	.00014
#2	.00059	.00430	.00839	1.0251	.00474	5.5915	.00060	.00075	7.7810	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00379**	**.00321**	**12.095**	**-.00124**	**-.00286**	**2.9237**	**6.2568**	**.00064**	**.18840**	**.00029**
Stddev	.00004	.00066	.026	.00006	.00209	.0645	.1380	.00003	.00240	.00058
%RSD	1.1778	20.668	.21128	4.5625	72.927	2.2053	2.2053	4.9529	1.2763	197.45
#1	.00382	.00274	12.077	-.00120	-.00139	2.9693	6.3543	.00062	.19010	.00070
#2	.00376	.00368	12.113	-.00128	-.00434	2.8781	6.1592	.00067	.18670	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00110**	**-.00251**	**.00038**	**.00399**	**-.00004**
Stddev	.00009	.00097	.00062	.00054	.00013	.00112
%RSD	18.151	88.860	24.851	141.39	3.2384	2573.1
#1	.00043	.00178	-.00296	.00000	.00409	-.00084
#2	.00055	.00041	-.00207	.00076	.00390	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4043.0**	**63597.**	**6010.9**
Stddev	11.7	46.	63.0
%RSD	.28837	.07229	1.0473
#1	4051.3	63564.	5966.4
#2	4034.8	63629.	6055.4

Sample Name: 280-27195-a-4-a Acquired: 4/10/2012 0:00:27 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s -.00025	.01729	k .00773	k .01220	.01199	k .00007	k .00128	k 74.911	k .00007	k -.00011
Stddev	.00241	.00134	.00006	.00006	.00020	.00002	.00159	.267	.00000	.00005
%RSD	960.99	7.7698	.74421	.45357	1.6973	24.038	123.94	.35706	4.0524	42.860
#1	.00145	.01824	.00769	.01217	.01213	.00005	.00016	75.100	.00008	-.00014
#2	s -.00196	.01634	k .00777	k .01224	.01185	k .00008	k .00240	k 74.722	k .00007	k -.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00060	s .00711	1.8850	.60868	k .00279	s 2.2531	s .03699	k .00000	5.5362	.00038
Stddev	.00009	.01166	.0055	.00904	.00088	.8841	.01454	.0002	.0165	.00017
%RSD	14.413	163.97	.29052	1.4855	31.457	39.240	39.310	15500.	.29777	45.124
#1	.00054	-.00113	1.8889	.61508	.00217	1.6279	.02671	-.00017	5.5479	.00026
#2	k .00066	s .01536	1.8811	.60229	k .00342	s 2.8782	s .04728	k .00016	5.5246	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .23462	k .00088	k 1.8763	k -.00039	k -.00402	k 2.1269	k 4.5516	k .00079	.41396	s .00095
Stddev	.00035	.00082	.0208	.00017	.00067	.0050	.0108	.00114	.00142	.00122
%RSD	.15046	93.937	1.1108	43.062	16.714	.23727	.23727	143.00	.34306	128.35
#1	.23487	.00029	1.8910	-.00027	-.00450	2.1233	4.5439	.00160	.41497	.00009
#2	k .23437	k .00146	k 1.8615	k -.00051	k -.00355	k 2.1305	k 4.5592	k -.00001	.41296	s .00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .00183	k .00113	s -.02460	s .00112	s .00701	k .00094
Stddev	.00160	.00172	.00990	.00117	.00324	.00063
%RSD	87.157	151.93	40.250	105.03	46.138	67.474
#1	.00070	-.00008	-.01760	.00029	.00473	.00139
#2	s .00296	k .00235	s -.03160	s .00195	s .00930	k .00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4014.6	^ *****	6066.7
Stddev	7.4	-----	12.3
%RSD	.18376	-----	.20293
#1	4009.4	62806.	6058.0
#2	4019.8	^ -----	6075.4

Sample Name: CCVH-1326164 Acquired: 4/10/2012 0:02:50 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**52.496**	**-.00031**	**.00243**	**.00031**	**.00004**	**.97967**	**.00085**	**-.00013**	**.00020**	**.00100**	**.00347**
Stddev	.00059	.133	.00146	.00046	.00003	.00013	.00051	.00006	.00012	.00008	.00008	.00038
%RSD	18.011	.25411	465.36	18.816	10.598	294.19	.05209	7.5521	94.393	40.447	7.7222	10.941
#1	.00369	52.402	.00072	.00275	.00028	.00014	.97931	.00089	-.00004	.00014	.00105	.00374
#2	.00286	52.591	-.00134	.00211	.00033	-.00005	.98003	.00080	-.00021	.00025	.00094	.00320
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.706**	**.16866**	**.00082**	**.00621**	**-.00010**	**-.00086**	**262.08**	**.00172**	**.00296**	**-.00354**	**4.8800**	**-.00399**
Stddev	.135	.02159	.00179	.00333	.00005	.00024	.13	.00002	.00139	.00119	.0051	.00230
%RSD	.25628	12.802	218.95	53.520	46.732	27.736	.05131	.95619	46.831	33.526	.10531	57.535
#1	52.610	.18393	-.00045	.00856	-.00007	-.00069	262.17	.00171	.00198	-.00270	4.8763	-.00237
#2	52.801	.15340	.00209	.00386	-.00013	-.00103	261.98	.00173	.00394	-.00438	4.8836	-.00562
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00553**	**.00441**	**.00945**	**.00232**	**.00049**	W **4.7283**	**.00335**	**.00070**	**10.378**	**.00276**	**.00151**	**-.18980**
Stddev	.00362	.00029	.00063	.00022	.00000	.0062	.00006	.00091	.011	.00006	.00055	.00139
%RSD	65.504	6.6215	6.6215	9.4063	.66330	.13183	1.6928	130.07	.10791	2.0094	36.667	.73296
#1	-.00297	.00421	.00900	.00247	.00049	4.7327	.00339	.00006	10.386	.00280	.00190	-.19078
#2	-.00809	.00462	.00989	.00216	.00050	4.7239	.00331	.00134	10.370	.00273	.00112	-.18881
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3963.7**	**61538.**	**6004.6**
Stddev	.5	264.	24.1
%RSD	.01249	.42853	.40139
#1	3964.1	61724.	6021.7
#2	3963.4	61352.	5987.6

Sample Name: CCV-1343805 Acquired: 4/10/2012 0:05:11 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51494**	**.51390**	**.95009**	**.48647**	**.53985**	**.50817**	**.00287**	**5.1506**	**.49607**	**.49975**	**.49998**	**.50618**	**2.6826**
Stddev	.00162	.00099	.00058	.00015	.00064	.00058	.00105	.0045	.00133	.00186	.00224	.00128	.0146
%RSD	.31389	.19218	.06124	.03082	.11835	.11318	36.586	.08728	.26895	.37260	.44857	.25365	.54276
#1	.51609	.51460	.95050	.48657	.53940	.50858	.00213	5.1538	.49702	.50107	.50156	.50709	2.6723
#2	.51380	.51320	.94968	.48636	.54030	.50776	.00361	5.1474	.49513	.49844	.49839	.50527	2.6929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.597**	**1.0388**	**20.252**	**.51767**	**.49472**	**5.2344**	**.50179**	**.96518**	**.96000**	**.03445**	**.97740**	**1.0151**	**5.1182**
Stddev	.105	.0022	.035	.00088	.00241	.0084	.00266	.00364	.00337	.00016	.00092	.0036	.0491
%RSD	.19604	.20744	.17099	.17030	.48759	.16059	.52914	.37758	.35052	.46990	.09424	.34952	.95842
#1	53.523	1.0373	20.276	.51830	.49643	5.2404	.50367	.96775	.96238	.03456	.97806	1.0176	5.0835
#2	53.671	1.0404	20.227	.51705	.49301	5.2285	.49991	.96260	.95762	.03433	.97675	1.0126	5.1529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.953**	**1.0088**	**.53188**	**.01363**	**.49721**	**1.0353**	**-.00923**	**.50936**	**.49986**	**.48911**
Stddev	.105	.0045	.00104	.00017	.00031	.0034	.01531	.00190	.00097	.00104
%RSD	.95842	.45018	.19472	1.2694	.06325	.32947	165.90	.37328	.19430	.21331
#1	10.879	1.0121	.53115	.01350	.49699	1.0378	-.02006	.51071	.50055	.48837
#2	11.027	1.0056	.53261	.01375	.49744	1.0329	.00160	.50802	.49917	.48985
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4040.2**	**62411.**	**5989.5**
Stddev	1.0	95.	36.8
%RSD	.02553	.15297	.61380
#1	4041.0	62344.	6015.5
#2	4039.5	62479.	5963.5

Sample Name: CCB Acquired: 4/10/2012 0:07:24 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00120**	**-.00006**	**.00146**	**.00054**	**-.00019**	**.00005**	**.00092**	**-.00440**	**-.00006**	**-.00002**	**-.00002**
Stddev	.00063	.00004	.00205	.00037	.00001	.00004	.00252	.00023	.00002	.00002	.00000
%RSD	52.558	66.581	141.00	69.364	3.8621	83.631	274.28	5.2439	27.757	73.663	5.3569
#1	.00165	-.00003	.00291	.00080	-.00020	.00008	.00270	-.00456	-.00004	-.00004	-.00002
#2	.00076	-.00008	.00000	.00028	-.00019	.00002	-.00086	-.00424	-.00007	-.00001	-.00002
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00188**	**.00181**	**.07195**	**.00071**	**-.00013**	**.00004**	**.00078**	W **.09827**	**.00005**	**.00072**	**.00068**
Stddev	.00014	.00314	.03745	.00138	.00001	.00001	.00052	.00392	.00002	.00243	.00054
%RSD	7.1820	173.10	52.050	195.50	7.4949	22.681	66.829	3.9861	47.771	339.42	80.166
#1	-.00179	-.00041	.09844	-.00027	-.00014	.00004	.00041	.10104	.00003	-.00100	.00106
#2	-.00198	.00403	.04547	.00168	-.00013	.00003	.00116	.09550	.00006	.00243	.00029
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02927**	**.00034**	**-.00459**	**-.01909**	**-.04086**	**.00020**	**-.00001**	**.00039**	**.00044**	**.00096**	**-.01083**
Stddev	.00109	.00125	.00267	.00570	.01219	.00093	.00003	.00104	.00014	.00010	.00146
%RSD	3.7343	370.80	58.096	29.831	29.831	462.92	270.41	264.60	30.653	10.311	13.462
#1	.03004	.00122	-.00648	-.02312	-.04948	.00086	.00001	.00112	.00054	.00103	-.01186
#2	.02850	-.00055	-.00271	-.01507	-.03224	-.00046	-.00003	-.00034	.00035	.00089	-.00980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00007**	**.00186**	**.00064**
Stddev	.00015	.00019	.00099
%RSD	212.65	10.163	155.57
#1	.00004	.00172	.00134
#2	-.00018	.00199	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4086.9**	**64035.**	**5943.2**
Stddev	8.0	503.	9.5
%RSD	.19604	.78609	.15984
#1	4081.2	64391.	5949.9
#2	4092.6	63679.	5936.5

Sample Name: CCVL1351092 Acquired: 4/10/2012 0:09:49 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.10648**	**.01419**	**.09028**	**.01099**	**.00105**	**.10502**	**.20636**	**.00502**	**.01002**	**.01037**	**.01351**	**.10799**	**3.3779**
Stddev	.00021	.00080	.00025	.00037	.00031	.00003	.00036	.00253	.00007	.00009	.00005	.00011	.00119	.0006
%RSD	1.8207	.75569	1.7618	.41507	2.8610	3.0523	.34702	1.2251	1.3958	.88222	.44217	.85058	1.1065	.01744
#1	.01134	.10591	.01401	.09055	.01122	.00108	.10528	.20815	.00507	.01008	.01034	.01343	.10715	3.3783
#2	.01163	.10704	.01437	.09002	.01077	.00103	.10476	.20457	.00497	.00995	.01040	.01359	.10884	3.3775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	**.20706**	**.01079**	**.01953**	**1.1707**	**.04141**	**2.6744**	**.00990**	**.02121**	**.00913**	**.01131**	**.50311**	**1.0767**	**.10092**
Stddev	.00075	.00139	.00008	.00027	.0219	.00003	.0170	.00066	.00059	.00237	.00274	.00209	.0045	.00021
%RSD	7.0065	.67352	.75055	1.3808	1.8670	.06899	.63756	6.6969	2.7692	25.985	24.197	.41591	.41591	.20724
#1	.01123	.20608	.01073	.01934	1.1862	.04143	2.6623	.00943	.02163	.01081	.00938	.50163	1.0735	.10077
#2	.01017	.20805	.01085	.01972	1.1553	.04139	2.6864	.01037	.02079	.00745	.01325	.50459	1.0798	.10107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01086**	**.01565**	**.00986**	**.01599**	**.06854**	**.01010**	**.02188**	**.01355**
Stddev	.00011	.00072	.00029	.00191	.01061	.00003	.00021	.00010
%RSD	.99125	4.6060	2.9363	11.923	15.482	.28871	.93789	.76731
#1	.01093	.01616	.00965	.01734	.06103	.01008	.02174	.01362
#2	.01078	.01514	.01006	.01464	.07604	.01012	.02203	.01347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4111.0**	**64416.**	**5959.2**
Stddev	9.8	244.	16.5
%RSD	.23928	.37841	.27653
#1	4118.0	64588.	5947.5
#2	4104.1	64243.	5970.8

Sample Name: mb 280-114550/1-a Acquired: 4/10/2012 0:12:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00262**	**-.00014**	**.00051**	**.00001**	**.00002**	**.00200**	**.00572**	**-.00001**	**.00001**
Stddev	.00022	.00020	.00052	.00010	.00012	.00007	.00026	.00069	.00015	.00006
%RSD	18.850	7.5280	360.97	20.210	1981.5	275.91	13.234	11.997	1178.9	487.82
#1	.00101	.00248	-.00051	.00044	-.00008	.00007	.00219	.00523	-.00012	.00006
#2	.00133	.00275	.00022	.00059	.00009	-.00002	.00181	.00620	.00010	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00184**	**.00393**	**.02290**	**-.00021**	**.00044**	**.00012**	**-.00001**	**.08976**	**.00013**
Stddev	.00004	.00030	.00207	.03498	.00062	.00233	.00002	.00004	.00479	.00013
%RSD	25.138	16.265	52.816	152.72	294.53	529.79	16.321	702.84	5.3341	96.980
#1	.00012	-.00205	.00539	.04764	.00023	.00209	.00014	-.00003	.09315	.00023
#2	.00018	-.00163	.00246	-.00183	-.00065	-.00121	.00011	.00002	.08638	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00157**	F **.02062**	**.00099**	**.00040**	W **-.00935**	**-.02000**	**.00037**	**-.00001**	**.00151**
Stddev	.00028	.00028	.00058	.00032	.00490	.00627	.01341	.00009	.00003	.00041
%RSD	114.34	17.556	2.8018	32.414	1220.4	67.064	67.064	25.371	304.07	26.995
#1	-.00044	.00177	.02021	.00122	-.00307	-.00491	-.01052	.00043	.00001	.00180
#2	-.00005	.00138	.02103	.00076	.00387	-.01378	-.02949	.00030	-.00003	.00122
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00002**	**-.00895**	**-.00023**	**.00274**	**.00061**
Stddev	.00019	.00029	.00993	.00030	.00008	.00023
%RSD	53.498	1519.4	110.99	131.90	2.8454	37.302
#1	.00048	-.00018	-.01597	-.00002	.00280	.00045
#2	.00022	.00022	-.00192	-.00045	.00269	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4153.1**	**65246.**	**6031.2**
Stddev	10.5	169.	12.1
%RSD	.25229	.25870	.19992
#1	4160.5	65127.	6022.7
#2	4145.7	65365.	6039.8

Sample Name: lcs 280-114550/2-a Acquired: 4/10/2012 0:14:38 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05438**	**1.9258**	**.95839**	**.97483**	**2.1621**	**.05124**	**2.0630**	**50.605**	**.10106**	**.49092**
Stddev	.00025	.0016	.00475	.00031	.0186	.00017	.0043	.197	.00034	.00036
%RSD	.46882	.08536	.49587	.03133	.86031	.33968	.21085	.38941	.33289	.07361
#1	.05420	1.9247	.96175	.97461	2.1489	.05111	2.0599	50.466	.10130	.49117
#2	.05456	1.9270	.95503	.97505	2.1752	.05136	2.0660	50.745	.10082	.49066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20075**	**.25608**	**1.0643**	**54.040**	**1.0442**	**49.783**	**.52169**	**1.0082**	**54.293**	**.49938**
Stddev	.00003	.00125	.0049	.451	.0065	.114	.00192	.0008	.141	.00111
%RSD	.01298	.48832	.45685	.83451	.62181	.22851	.36746	.07989	.25902	.22238
#1	.20077	.25520	1.0609	53.721	1.0396	49.702	.52034	1.0088	54.193	.50016
#2	.20073	.25697	1.0678	54.359	1.0488	49.863	.52305	1.0077	54.392	.49859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8426**	**.47317**	**.04017**	**.47353**	**2.0484**	**10.325**	F **22.095**	**2.0229**	**1.0804**	**.97547**
Stddev	.0095	.00104	.00181	.00120	.0062	.072	.154	.0081	.0092	.00526
%RSD	.09603	.21942	4.5172	.25441	.30405	.69801	.69801	.40140	.84928	.53927
#1	9.8493	.47390	.04145	.47268	2.0440	10.274	21.986	2.0286	1.0739	.97175
#2	9.8359	.47244	.03889	.47439	2.0528	10.376	22.204	2.0171	1.0869	.97919
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0119**	**2.0132**	**2.1707**	**.51629**	**.48968**	**.45477**
Stddev	.0028	.0010	.0375	.00243	.00093	.00180
%RSD	.27978	.04724	1.7256	.47034	.18910	.39557
#1	1.0099	2.0125	2.1442	.51458	.48902	.45605
#2	1.0139	2.0139	2.1972	.51801	.49033	.45350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3937.6**	**61364.**	**6019.0**
Stddev	15.9	15.	2.8
%RSD	.40261	.02447	.04734
#1	3926.4	61353.	6021.0
#2	3948.9	61375.	6017.0

Sample Name: 280-27359-n-1-d Acquired: 4/10/2012 0:16:47 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00148**	**-.00314**	**2.3987**	**.00849**	**.00008**	**.00254**	**107.73**	**.00070**	**-.00098**
Stddev	.00033	.00032	.00342	.0006	.00000	.00007	.00148	.44	.00001	.00009
%RSD	52.550	21.835	108.91	.02316	.02124	98.615	58.266	.40458	1.1001	9.3788
#1	.00085	.00171	-.00556	2.3983	.00849	.00002	.00149	107.42	.00069	-.00091
#2	.00039	.00125	-.00072	2.3991	.00849	.00013	.00359	108.03	.00070	-.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00091**	**.89650**	**18.772**	**.18601**	**234.32**	**.12536**	**.01556**	W **1228.0**	**.00020**
Stddev	.00002	.00014	.00116	.196	.00442	2.11	.00005	.00099	5.7	.00021
%RSD	6.1075	15.458	.12892	1.0447	2.3778	.90128	.03753	6.3720	.46031	104.59
#1	.00038	.00081	.89568	18.633	.18288	235.81	.12539	.01486	1224.0	.00005
#2	.00035	.00101	.89732	18.911	.18914	232.83	.12533	.01626	1232.0	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05476**	**.00125**	F **896.46**	**-.00313**	**.00061**	**13.660**	**29.232**	**.00009**	**.55815**	**-.00131**
Stddev	.00050	.00036	.34	.00262	.00294	.024	.051	.00083	.00220	.00182
%RSD	.91003	28.527	.03783	83.524	485.30	.17372	.17372	946.30	.39459	139.30
#1	.05441	.00100	896.70	-.00498	.00269	13.643	29.196	-.00050	.55660	-.00002
#2	.05512	.00150	896.22	-.00128	-.00147	13.677	29.268	.00067	.55971	-.00260
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00175**	**-.02809**	**.00049**	**.00315**	**.00051**
Stddev	.00009	.00123	.01320	.00019	.00067	.00042
%RSD	13.986	70.545	46.999	38.624	21.202	82.808
#1	.00058	.00262	-.03742	.00063	.00268	.00021
#2	.00071	.00088	-.01875	.00036	.00362	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3531.3**	**53611.**	**5826.6**
Stddev	2.7	15.	31.1
%RSD	.07581	.02826	.53313
#1	3533.2	53622.	5848.5
#2	3529.4	53600.	5804.6

Sample Name: 280-27359-n-1-dSD@5 Acquired: 4/10/2012 0:19:20 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00614**	**-.00284**	**.50276**	**.00174**	**.00012**	**.00286**	**21.814**	**.00014**	**-.00031**
Stddev	.00028	.00052	.00136	.00019	.00022	.00003	.00142	.097	.00005	.00002
%RSD	18.509	8.4430	48.021	.03813	12.452	21.789	49.655	.44384	37.466	7.9128
#1	.00132	.00578	-.00380	.50289	.00190	.00014	.00185	21.746	.00010	-.00029
#2	.00172	.00651	-.00187	.50262	.00159	.00010	.00386	21.883	.00018	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00045**	**.18587**	**3.8734**	**.03674**	**47.151**	**.02526**	**.00259**	**244.81**	**.00014**
Stddev	.00012	.00055	.00033	.0066	.00112	.119	.00002	.00012	1.03	.00001
%RSD	19.068	123.73	.17922	.16943	3.0511	.25229	.09815	4.8080	.41971	9.1254
#1	.00070	-.00006	.18611	3.8688	.03753	47.235	.02528	.00268	244.09	.00013
#2	.00054	-.00084	.18564	3.8781	.03594	47.067	.02524	.00250	245.54	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.00075**	W **190.35**	**-.00257**	**-.00293**	**2.6839**	**5.7435**	**.00006**	**.11129**	**-.00064**
Stddev	.00061	.00082	.31	.00120	.00010	.0003	.0007	.00076	.00079	.00080
%RSD	5.2815	108.81	.16141	46.896	3.2993	.01154	.01154	1265.4	.71042	124.82
#1	.01191	.00017	190.14	-.00342	-.00286	2.6841	5.7439	-.00048	.11073	-.00120
#2	.01105	.00133	190.57	-.00172	-.00300	2.6836	5.7430	.00060	.11185	-.00008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00134**	**-.01715**	**.00051**	**.00382**	**.00086**
Stddev	.00007	.00067	.00339	.00039	.00024	.00081
%RSD	19.644	50.098	19.787	77.380	6.3805	94.128
#1	.00030	.00182	-.01475	.00079	.00364	.00029
#2	.00040	.00087	-.01955	.00023	.00399	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3888.0**	**59833.**	**5985.9**
Stddev	13.3	3.	25.6
%RSD	.34126	.00509	.42714
#1	3897.4	59836.	6003.9
#2	3878.6	59831.	5967.8

Sample Name: 280-27359-n-1-e ms Acquired: 4/10/2012 0:21:42 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05644	1.7781	1.0006	3.2824	2.1474	.04998	F 1.9975	154.69	.10318	.46545
Stddev	.00014	.0017	.0028	.0001	.0099	.00043	.0001	.64	.00004	.00021
%RSD	.24299	.09393	.28206	.00186	.45945	.85877	.00600	.41343	.03937	.04469
#1	.05653	1.7770	.99863	3.2823	2.1404	.04968	1.9974	154.24	.10315	.46530
#2	.05634	1.7793	1.0026	3.2824	2.1544	.05029	1.9976	155.14	.10321	.46560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19270	.25513	1.9116	74.067	1.2472	276.94	.63657	.98496	W 1274.4	.47189
Stddev	.00003	.00211	.0124	.436	.0103	2.40	.00394	.00044	6.0	.00018
%RSD	.01495	.82630	.64674	.58833	.82522	.86516	.61894	.04439	.46882	.03723
#1	.19272	.25662	1.9028	73.759	1.2399	278.63	.63935	.98527	1270.1	.47176
#2	.19268	.25364	1.9203	74.375	1.2545	275.25	.63378	.98466	1278.6	.47201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.521	.43002	F 890.84	.47621	2.1925	23.607	50.520	1.8771	1.6265	.97981
Stddev	.028	.00118	.31	.00093	.0057	.157	.336	.0050	.0074	.01080
%RSD	.26848	.27378	.03433	.19583	.26002	.66432	.66432	.26843	.45487	1.1025
#1	10.501	.42919	890.62	.47687	2.1965	23.496	50.282	1.8736	1.6213	.98745
#2	10.541	.43085	891.05	.47555	2.1885	23.718	50.757	1.8807	1.6317	.97217
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0042	1.6895	2.0420	.51641	.49083	.44364
Stddev	.0071	.0016	.0158	.00402	.00191	.00088
%RSD	.70673	.09573	.77366	.77775	.38865	.19911
#1	1.0092	1.6883	2.0532	.51925	.49218	.44301
#2	.99917	1.6906	2.0309	.51357	.48948	.44426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3478.3	53520.	5853.6
Stddev	1.5	563.	37.3
%RSD	.04422	1.0514	.63746
#1	3479.4	53122.	5880.0
#2	3477.2	53918.	5827.2

Sample Name: 280-27359-n-1-f msd Acquired: 4/10/2012 0:24:01 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05879**	**1.7884**	**1.0137**	**3.3495**	**2.1730**	**.05055**	F **2.0104**	**157.90**	**.10393**	**.46885**
Stddev	.00082	.0008	.0026	.0074	.0020	.00003	.0050	.29	.00061	.00070
%RSD	1.4028	.04634	.25573	.22136	.09304	.05449	.24717	.18519	.58726	.14990
#1	.05821	1.7878	1.0119	3.3443	2.1744	.05057	2.0068	157.70	.10350	.46836
#2	.05937	1.7890	1.0155	3.3548	2.1715	.05053	2.0139	158.11	.10437	.46935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19459**	**.25990**	**1.9515**	**75.508**	**1.2665**	**285.69**	**.64886**	**.99204**	W **1303.9**	**.47572**
Stddev	.00051	.00116	.0057	.023	.0019	1.13	.00618	.00173	.1	.00064
%RSD	.26163	.44729	.29474	.03013	.15071	.39646	.95175	.17419	.00434	.13478
#1	.19423	.26072	1.9555	75.492	1.2651	284.89	.65322	.99082	1304.0	.47527
#2	.19495	.25908	1.9474	75.524	1.2678	286.49	.64449	.99326	1303.9	.47617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.632**	**.43433**	F **906.77**	**.47879**	**2.2292**	**24.171**	**51.727**	**1.8947**	**1.6515**	**.99730**
Stddev	.028	.00030	1.94	.00176	.0116	.006	.012	.0037	.0017	.00698
%RSD	.26260	.06894	.21404	.36862	.51994	.02292	.02292	.19644	.10405	.69981
#1	10.612	.43411	905.40	.47754	2.2210	24.175	51.735	1.8921	1.6527	1.0022
#2	10.652	.43454	908.14	.48003	2.2374	24.168	51.719	1.8974	1.6503	.99236
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0181**	**1.6984**	**2.0706**	**.52459**	**.49935**	**.45232**
Stddev	.0074	.0047	.0075	.00439	.00996	.00231
%RSD	.72510	.27582	.36195	.83627	1.9949	.51043
#1	1.0233	1.7017	2.0653	.52769	.50639	.45069
#2	1.0129	1.6951	2.0759	.52149	.49230	.45396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3485.5**	**52969.**	**5841.1**
Stddev	.7	145.	25.0
%RSD	.02065	.27345	.42844
#1	3486.0	52866.	5858.8
#2	3485.0	53071.	5823.5

Sample Name: 280-27369-d-1-a Acquired: 4/10/2012 0:26:23 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00532**	**.02569**	**.95693**	**.04906**	**.00008**	**-.00268**	**156.02**	**.00059**	**.00098**
Stddev	.00012	.00032	.00053	.00021	.00017	.00001	.00140	1.35	.00014	.00000
%RSD	15.125	5.9975	2.0797	.02208	.34670	13.850	52.430	.86704	23.944	.33087
#1	.00068	.00554	.02532	.95708	.04918	.00009	-.00168	156.98	.00069	.00098
#2	.00084	.00509	.02607	.95678	.04894	.00008	-.00367	155.06	.00049	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**.00199**	**.03418**	W **179.09**	**.34802**	**184.03**	**.71323**	**.00975**	**136.43**	**.02005**
Stddev	.00032	.00021	.00098	1.12	.00368	1.81	.00113	.00071	.65	.00005
%RSD	10.315	10.317	2.8813	.62467	1.0587	.98482	.15823	7.3031	.47694	.23820
#1	.00288	.00213	.03487	179.88	.35063	182.75	.71403	.00925	136.89	.02008
#2	.00333	.00184	.03348	178.30	.34542	185.31	.71244	.01025	135.97	.02002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26489**	**.00166**	**171.19**	**-.00279**	**.02455**	**16.968**	**36.311**	**.00143**	**1.7394**	**-.00208**
Stddev	.00418	.00046	.23	.00104	.00598	.147	.314	.00007	.0099	.00037
%RSD	1.5768	27.838	.13522	37.229	24.375	.86539	.86539	4.8613	.56706	17.715
#1	.26784	.00133	171.03	-.00205	.02878	17.072	36.534	.00138	1.7464	-.00182
#2	.26194	.00199	171.35	-.00352	.02032	16.864	36.089	.00148	1.7324	-.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00261**	**-.00464**	**.00727**	**.00477**	**.00082**
Stddev	.00005	.00015	.01862	.00042	.00045	.00070
%RSD	7.5828	5.8220	401.56	5.7560	9.4405	85.010
#1	.00069	.00251	-.01780	.00698	.00445	.00131
#2	.00062	.00272	.00853	.00757	.00508	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3691.0**	**57176.**	**5936.0**
Stddev	6.0	16.	29.9
%RSD	.16381	.02749	.50419
#1	3695.3	57165.	5914.8
#2	3686.7	57187.	5957.2

Sample Name: 280-27369-d-2-a Acquired: 4/10/2012 0:28:51 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**.00678**	**.02468**	**.92864**	**.04898**	**.00006**	**-.00051**	**151.82**	**.00073**	**.00087**
Stddev	.00051	.00052	.00090	.00067	.00028	.00002	.00069	1.01	.00001	.00036
%RSD	41.955	7.6719	3.6378	.07190	.56566	28.740	134.51	.66756	2.0420	41.099
#1	.00158	.00641	.02404	.92911	.04878	.00005	-.00003	151.10	.00074	.00113
#2	.00085	.00715	.02531	.92817	.04918	.00007	-.00100	152.54	.00072	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00402**	**.00100**	**.03989**	W **171.67**	**.33627**	**176.98**	**.75997**	**.00821**	**133.79**	**.02040**
Stddev	.00026	.00015	.00058	.84	.00045	.40	.00586	.00020	.16	.00027
%RSD	6.4913	14.916	1.4629	.48694	.13304	.22390	.77138	2.4864	.12032	1.3322
#1	.00384	.00089	.04031	171.08	.33658	176.70	.76412	.00836	133.67	.02059
#2	.00421	.00110	.03948	172.26	.33595	177.26	.75583	.00807	133.90	.02021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25151**	**.00115**	**164.95**	**.00044**	**.01725**	**16.525**	**35.364**	**-.00052**	**1.6782**	**-.00079**
Stddev	.00165	.00115	.13	.00113	.00175	.003	.007	.00002	.0066	.00079
%RSD	.65406	100.04	.08177	254.37	10.128	.01881	.01881	3.5949	.39521	99.538
#1	.25035	.00034	164.86	.00124	.01601	16.523	35.359	-.00050	1.6735	-.00135
#2	.25268	.00196	165.05	-.00036	.01848	16.527	35.368	-.00053	1.6829	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00119**	**.00702**	**.00702**	**.00392**	**.00076**
Stddev	.00005	.00061	.00961	.00013	.00017	.00197
%RSD	7.0610	51.479	136.98	1.7911	4.3360	257.27
#1	.00074	.00162	.01381	.00711	.00380	-.00063
#2	.00067	.00076	.00022	.00693	.00405	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3691.9**	**57330.**	**5966.6**
Stddev	7.3	282.	65.1
%RSD	.19745	.49122	1.0909
#1	3686.7	57131.	6012.6
#2	3697.0	57529.	5920.5

Sample Name: 280-27369-d-3-a Acquired: 4/10/2012 0:31:18 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00177**	**.00051**	**-.00180**	**.35992**	**.03808**	**.00005**	**-.00211**	**359.24**	**.00070**	**.00541**
Stddev	.00005	.00045	.00761	.00093	.00017	.00000	.00173	.17	.00017	.00016
%RSD	3.0847	87.991	421.82	.25814	.44625	2.3371	82.002	.04801	24.449	2.8945
#1	.00173	.00082	.00358	.36058	.03796	.00005	-.00089	359.11	.00058	.00530
#2	.00181	.00019	-.00719	.35927	.03820	.00005	-.00334	359.36	.00082	.00552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00036**	**.00683**	W **140.38**	**.27615**	**299.97**	**6.2358**	**.00240**	**105.20**	**.00731**
Stddev	.00026	.00012	.00277	.23	.00135	1.57	.0531	.00066	.93	.00006
%RSD	23.917	33.406	40.613	.16207	.48913	.52394	.85166	27.364	.88248	.79510
#1	.00126	.00044	.00487	140.22	.27710	298.86	6.2734	.00193	104.54	.00735
#2	.00089	.00027	.00879	140.54	.27519	301.09	6.1983	.00286	105.86	.00727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01208**	**.00287**	F **528.22**	**-.00224**	**-.00035**	**7.5799**	**16.221**	**.00031**	**3.1819**	**-.00337**
Stddev	.00319	.00117	.00	.00265	.00944	.0154	.033	.00134	.0074	.00007
%RSD	26.408	40.975	.00050	118.45	2671.2	.20349	.20349	432.60	.23394	2.1668
#1	.01433	.00204	528.22	-.00036	.00632	7.5690	16.198	-.00064	3.1766	-.00343
#2	.00982	.00370	528.22	-.00411	-.00703	7.5908	16.244	.00125	3.1871	-.00332
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00048**	**.00679**	**.00237**	**.00851**	**.00142**
Stddev	.00021	.00247	.02170	.00022	.00025	.00097
%RSD	28.208	512.25	319.31	9.3769	2.9764	68.250
#1	.00059	.00126	-.00855	.00221	.00833	.00074
#2	.00089	-.00223	.02214	.00253	.00869	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3574.1**	**56187.**	**5939.2**
Stddev	7.8	83.	15.8
%RSD	.21801	.14698	.26539
#1	3568.6	56128.	5928.0
#2	3579.7	56245.	5950.3

Sample Name: 280-27369-d-4-a Acquired: 4/10/2012 0:33:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00190**	**.00146**	**.00373**	**.41488**	**.04230**	**.00002**	**-.00258**	W **527.87**	**.00077**	**.02869**
Stddev	.00110	.00019	.00134	.00089	.00007	.00002	.00007	9.26	.00011	.00009
%RSD	57.736	12.826	35.952	.21447	.16834	90.556	2.7543	1.7545	14.171	.32306
#1	.00112	.00159	.00467	.41551	.04235	.00004	-.00253	521.32	.00084	.02862
#2	.00268	.00133	.00278	.41425	.04225	.00001	-.00263	534.41	.00069	.02875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00148**	**.00077**	**.34815**	W **160.11**	**.21940**	**443.94**	**5.2040**	**.00402**	**121.83**	**.03732**
Stddev	.00036	.00023	.00158	.15	.00096	2.93	.0182	.00023	.26	.00015
%RSD	24.257	29.211	.45469	.09198	.43961	.66068	.35030	5.8334	.21594	.41158
#1	.00173	.00061	.34927	160.22	.22008	441.86	5.1911	.00418	122.01	.03721
#2	.00123	.00093	.34704	160.01	.21872	446.01	5.2168	.00385	121.64	.03743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06227**	**.00365**	F **716.89**	**-.00255**	**.00297**	**14.868**	**31.817**	**.00030**	**3.6632**	**-.00317**
Stddev	.00166	.00185	.54	.00171	.00367	.043	.091	.00047	.0184	.00069
%RSD	2.6698	50.811	.07559	66.884	123.64	.28712	.28712	158.97	.50286	21.844
#1	.06345	.00496	717.27	-.00376	.00557	14.898	31.881	.00063	3.6763	-.00366
#2	.06109	.00234	716.50	-.00135	.00037	14.837	31.752	-.00004	3.6502	-.00268
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00139**	**-.01027**	**.00264**	**.01143**	**.00166**
Stddev	.00012	.00172	.00001	.00018	.00042	.00028
%RSD	16.408	123.78	.11749	6.9065	3.6818	16.784
#1	.00064	-.00260	-.01028	.00277	.01113	.00186
#2	.00081	-.00017	-.01026	.00251	.01172	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3491.5**	**55186.**	**5958.2**
Stddev	7.1	134.	6.1
%RSD	.20333	.24240	.10244
#1	3486.5	55092.	5962.5
#2	3496.6	55281.	5953.9

Sample Name: CCVH-1326164 Acquired: 4/10/2012 0:36:42 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00334**	**52.953**	**-.00417**	**.00423**	**.00032**	**.00003**	**.99767**	**.00099**	**-.00011**	**.00006**	**.00091**	**.00440**
Stddev	.00092	.014	.00054	.00017	.00003	.00003	.00084	.00264	.00008	.00009	.00012	.00078
%RSD	27.501	.02609	13.011	3.9413	10.794	101.83	.08451	266.89	72.868	156.81	12.705	17.726
#1	.00269	52.963	-.00378	.00412	.00030	.00004	.99827	.00285	-.00005	-.00001	.00099	.00385
#2	.00399	52.943	-.00455	.00435	.00034	.00001	.99707	-.00088	-.00017	.00012	.00083	.00495
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.090**	**.17064**	**-.00003**	**.01004**	**-.00009**	**-.00091**	**265.04**	**.00231**	**.00282**	**-.00303**	**5.0211**	**.00063**
Stddev	.295	.07507	.00118	.00135	.00002	.00002	.50	.00011	.00118	.00212	.0006	.00220
%RSD	.55575	43.994	3494.8	13.417	19.444	2.5819	.19009	4.5477	41.715	69.980	.01146	351.14
#1	53.299	.22372	.00080	.01099	-.00008	-.00089	264.69	.00224	.00199	-.00452	5.0215	-.00093
#2	52.882	.11756	-.00087	.00908	-.00010	-.00092	265.40	.00239	.00365	-.00153	5.0206	.00218
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00178**	**.01782**	**.03813**	**.00276**	**.00038**	**4.8173**	**.00323**	**-.00016**	W **10.557**	**.00304**	**.00153**	**-.19222**
Stddev	.00312	.00983	.02104	.00100	.00005	.0245	.00041	.00115	.007	.00012	.00089	.00262
%RSD	175.07	55.170	55.170	36.068	13.885	.50883	12.856	724.10	.06170	4.0182	57.709	1.3617
#1	.00042	.01087	.02325	.00206	.00034	4.8000	.00352	-.00097	10.552	.00313	.00091	-.19407
#2	-.00398	.02477	.05300	.00347	.00042	4.8346	.00293	.00065	10.562	.00296	.00216	-.19037
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3933.7**	**60814.**	**6060.2**
Stddev	2.6	54.	49.3
%RSD	.06503	.08919	.81383
#1	3935.5	60852.	6025.3
#2	3931.9	60776.	6095.0

Sample Name: CCV-1343805 Acquired: 4/10/2012 0:39:03 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51542**	**.51368**	**.95557**	**.49288**	**.54165**	**.50867**	**.00154**	**5.1405**	**.49883**	**.50160**	**.50295**	**.50948**	**2.6768**
Stddev	.00071	.00070	.00095	.00342	.00342	.00395	.00208	.0324	.00150	.00174	.00144	.00084	.0273
%RSD	.13784	.13576	.09949	.69373	.63211	.77626	134.59	.62963	.30006	.34640	.28611	.16476	1.0205
#1	.51492	.51318	.95624	.49530	.53922	.50588	.00301	5.1176	.49989	.50283	.50397	.51008	2.6575
#2	.51592	.51417	.95490	.49046	.54407	.51147	.00007	5.1634	.49778	.50037	.50193	.50889	2.6961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.698**	**1.0427**	**20.073**	**.51451**	**.49688**	**5.3358**	**.50338**	**.97544**	**.96159**	**.10893**	**.98564**	**1.0259**	**5.0986**
Stddev	.295	.0090	.067	.00219	.00083	.0404	.00167	.00335	.00171	.00511	.00026	.0086	.0317
%RSD	.54936	.86108	.33372	.42558	.16749	.75725	.33141	.34388	.17828	4.6952	.02608	.84148	.62136
#1	53.490	1.0363	20.025	.51297	.49747	5.3072	.50456	.97781	.96280	.11255	.98582	1.0320	5.0762
#2	53.907	1.0490	20.120	.51606	.49629	5.3644	.50220	.97307	.96038	.10532	.98545	1.0198	5.1210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.911**	**1.0134**	**.53387**	**.01334**	**.49640**	**1.0430**	**-.00822**	**.50780**	**.49404**	**.49343**
Stddev	.068	.0019	.00401	.00143	.00137	.0050	.00125	.00127	.00327	.00214
%RSD	.62136	.18471	.75026	10.732	.27621	.48385	15.222	.25079	.66282	.43288
#1	10.863	1.0147	.53104	.01232	.49543	1.0465	-.00910	.50690	.49172	.49192
#2	10.959	1.0121	.53671	.01435	.49737	1.0394	-.00733	.50870	.49635	.49494
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.6**	**63040.**	**6030.3**
Stddev	1.2	290.	22.9
%RSD	.03028	.46050	.37966
#1	4022.7	63246.	6046.5
#2	4024.4	62835.	6014.1

Sample Name: CCB Acquired: 4/10/2012 0:41:16 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00107**	**.00098**	**-.00197**	**.00192**	**.00000**	**.00010**	**.00046**	**.00072**	**.00000**	**.00007**	**.00014**
Stddev	.00029	.00014	.00009	.00055	.00008	.00001	.00069	.00161	.0002	.00026	.00012
%RSD	26.955	14.748	4.3368	28.537	6953.9	5.1903	149.25	223.24	6143.1	379.95	80.570
#1	.00087	.00108	-.00203	.00153	-.00005	.00009	-.00003	-.00042	-.00011	-.00011	.00022
#2	.00128	.00087	-.00191	.00230	.00006	.00010	.00096	.00186	.00011	.00025	.00006
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00206**	**.00010**	**.10601**	**.00008**	**-.00050**	**.00002**	**.00079**	F **.19593**	**-.00008**	**.00091**	**.00061**
Stddev	.00001	.00027	.01472	.00277	.00028	.00002	.00016	.00013	.00016	.00126	.00079
%RSD	.69299	274.72	13.882	3306.8	55.828	101.44	20.808	.06473	205.94	139.42	130.96
#1	-.00207	.00029	.09560	-.00188	-.00030	.00001	.00090	.19602	.00004	.00180	.00004
#2	-.00205	-.00009	.11641	.00204	-.00070	.00004	.00067	.19584	-.00019	.00001	.00117
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09681**	**.00207**	**.00119**	**-.01932**	**-.04134**	**.00125**	**-.00003**	**.00071**	**.00052**	**.00075**	**-.00646**
Stddev	.00434	.00039	.00106	.01547	.03310	.00012	.00001	.00131	.00015	.00005	.02605
%RSD	4.4809	18.757	89.527	80.073	80.073	9.6015	37.640	183.27	29.722	6.9780	403.16
#1	.09988	.00234	.00044	-.00838	-.01793	.00134	-.00002	.00164	.00041	.00079	.01196
#2	.09375	.00179	.00194	-.03026	-.06475	.00117	-.00004	-.00021	.00062	.00071	-.02488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00007**	**.00190**	**.00158**
Stddev	.00033	.00040	.00097
%RSD	473.62	20.869	61.091
#1	.00017	.00162	.00227
#2	-.00031	.00218	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4054.3**	**63722.**	**6038.8**
Stddev	12.0	471.	75.1
%RSD	.29569	.73851	1.2435
#1	4045.8	63390.	6091.9
#2	4062.7	64055.	5985.7

Sample Name: CCVL1351092 Acquired: 4/10/2012 0:43:41 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01128**	**.10602**	**.01470**	**.09306**	**.01119**	**.00105**	**.10646**	**.20761**	**.00499**	**.01037**	**.01043**	**.01398**	**.10902**	**3.3808**
Stddev	.00021	.00031	.00081	.00062	.00002	.00004	.00013	.00136	.00004	.00006	.00019	.00051	.00007	.0300
%RSD	1.8554	.29600	5.5233	.67111	.20257	4.1510	.12141	.65562	.82190	.61318	1.8391	3.6780	.06652	.88828
#1	.01143	.10580	.01528	.09262	.01117	.00108	.10637	.20857	.00496	.01032	.01029	.01362	.10907	3.3595
#2	.01113	.10624	.01413	.09350	.01120	.00102	.10655	.20664	.00502	.01041	.01056	.01435	.10897	3.4020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.20510**	**.01073**	**.01985**	**1.2658**	**.04128**	**2.7151**	**.00974**	**.08164**	**.01072**	**.01095**	**.49798**	**1.0657**	**.10153**
Stddev	.00136	.00008	.00003	.00018	.0072	.00004	.0081	.00014	.00224	.00145	.00071	.00258	.0055	.00003
%RSD	12.653	.03747	.32240	.92307	.56580	.09209	.29967	1.4327	2.7428	13.501	6.5101	.51829	.51829	.03132
#1	.01168	.20516	.01071	.01972	1.2608	.04125	2.7094	.00984	.08322	.01175	.01145	.49981	1.0696	.10151
#2	.00976	.20505	.01076	.01998	1.2709	.04130	2.7209	.00964	.08005	.00970	.01044	.49616	1.0618	.10155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01097**	**.01561**	**.01014**	**.01550**	**.06703**	**.00991**	**.02143**	**.01405**
Stddev	.00014	.00053	.00003	.00131	.02178	.00019	.00009	.00017
%RSD	1.2950	3.4035	.33888	8.4316	32.488	1.9681	.39926	1.2096
#1	.01087	.01523	.01012	.01458	.08243	.00977	.02137	.01417
#2	.01107	.01598	.01017	.01643	.05163	.01005	.02149	.01393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4088.8**	**64282.**	**6078.2**
Stddev	3.5	452.	15.3
%RSD	.08496	.70254	.25097
#1	4091.3	64601.	6089.0
#2	4086.3	63963.	6067.4

Sample Name: mb 280-114545/1-a Acquired: 4/10/2012 0:46:04 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00220**	**.00236**	**.00153**	**-.00004**	**.00005**	**-.00201**	**.00179**	**.00012**	**.00006**
Stddev	.00039	.00039	.00072	.00029	.00033	.00002	.00065	.00092	.00013	.00002
%RSD	33.234	17.797	30.387	18.748	786.07	51.464	32.524	51.653	105.12	31.244
#1	.00091	.00193	.00286	.00132	-.00027	.00003	-.00247	.00113	.00003	.00005
#2	.00147	.00248	.00185	.00173	.00019	.00007	-.00155	.00244	.00021	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00135**	**.00238**	**.07452**	**.00047**	**.00169**	**.00009**	**-.00020**	**.17626**	**.00001**
Stddev	.00007	.00010	.00281	.01150	.00127	.00099	.00004	.00016	.00526	.00007
%RSD	166.13	7.1461	118.25	15.429	269.19	58.754	49.405	78.119	2.9848	1334.5
#1	.00001	-.00128	.00039	.06639	-.00042	.00099	.00012	-.00009	.17998	-.00005
#2	-.00009	-.00142	.00436	.08265	.00137	.00239	.00006	-.00031	.17254	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**-.00055**	F **.06946**	**-.00134**	**-.00142**	F **-.01821**	**-.03897**	**.00105**	**.00001**	**.00137**
Stddev	.00063	.00062	.00306	.00102	.00123	.00318	.00681	.00092	.00005	.00069
%RSD	42.191	112.46	4.4075	75.967	86.444	17.478	17.478	87.472	515.77	50.140
#1	.00105	-.00098	.07163	-.00062	-.00229	-.01596	-.03415	.00171	.00005	.00088
#2	.00194	-.00011	.06730	-.00206	-.00055	-.02046	-.04379	.00040	-.00003	.00185
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00105**	**.01049**	**-.00033**	**.00278**	**.00084**
Stddev	.00009	.00041	.01312	.00005	.00036	.00107
%RSD	42.948	38.998	124.98	16.376	12.825	127.23
#1	.00027	-.00076	.00122	-.00036	.00303	.00159
#2	.00015	-.00133	.01977	-.00029	.00253	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.3**	**65744.**	**6233.5**
Stddev	6.6	243.	25.7
%RSD	.15939	.37009	.41163
#1	4121.9	65916.	6251.7
#2	4112.7	65572.	6215.4

Sample Name: lcs 280-114545/2-a Acquired: 4/10/2012 0:48:30 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05547**	**1.9052**	**.96741**	**.98404**	**2.1490**	**.05109**	**2.1043**	**49.826**	**.10199**	**.49250**
Stddev	.00033	.0034	.00721	.00525	.0140	.00023	.0092	.314	.00024	.00147
%RSD	.59645	.17697	.74516	.53397	.65342	.44263	.43570	.63011	.23095	.29874
#1	.05524	1.9076	.97251	.98775	2.1589	.05125	2.1108	50.049	.10215	.49354
#2	.05570	1.9029	.96232	.98032	2.1390	.05093	2.0978	49.604	.10182	.49146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20076**	**.26104**	**1.0609**	**53.505**	**1.0437**	**49.458**	**.52138**	**1.0113**	**54.080**	**.50112**
Stddev	.00078	.00084	.0058	.445	.0054	.178	.00128	.0040	.650	.00116
%RSD	.38947	.32287	.54795	.83089	.51765	.35901	.24630	.39897	1.2023	.23242
#1	.20131	.26044	1.0650	53.820	1.0476	49.583	.52229	1.0142	54.540	.50195
#2	.20021	.26163	1.0568	53.191	1.0399	49.332	.52047	1.0085	53.620	.50030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9088**	**.47428**	**.06294**	**.48216**	**2.0578**	**10.120**	F **21.657**	**2.0059**	**1.0753**	**.98532**
Stddev	.0460	.00099	.00159	.00045	.0162	.060	.129	.0027	.0086	.00067
%RSD	.46414	.20826	2.5233	.09359	.78479	.59423	.59423	.13382	.79965	.06758
#1	9.9414	.47498	.06182	.48248	2.0692	10.162	21.748	2.0078	1.0814	.98580
#2	9.8763	.47358	.06407	.48184	2.0464	10.077	21.566	2.0040	1.0692	.98485
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0142**	**2.0206**	**2.2131**	**.51666**	**.48384**	**.45068**
Stddev	.0024	.0036	.0158	.00008	.00338	.00031
%RSD	.23332	.17613	.71517	.01561	.69944	.06882
#1	1.0158	2.0231	2.2019	.51671	.48623	.45046
#2	1.0125	2.0180	2.2243	.51660	.48145	.45090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3907.3**	**61408.**	**6249.8**
Stddev	3.8	113.	45.2
%RSD	.09609	.18477	.72364
#1	3904.6	61328.	6217.9
#2	3909.9	61488.	6281.8

Sample Name: lcsd 280-114545/3-a Acquired: 4/10/2012 0:50:39 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05504**	**1.8961**	**.96657**	**.98385**	**2.1828**	**.05168**	F **2.0960**	**50.378**	**.10171**	**.49031**
Stddev	.00011	.0025	.00233	.00197	.0086	.00045	.0079	.301	.00012	.00109
%RSD	.20437	.13005	.24070	.20058	.39337	.86356	.37778	.59778	.12220	.22178
#1	.05496	1.8944	.96492	.98524	2.1767	.05137	2.1016	50.165	.10180	.49108
#2	.05512	1.8979	.96821	.98245	2.1888	.05200	2.0904	50.591	.10162	.48954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20002**	**.26146**	**1.0656**	**54.332**	**1.0586**	**49.252**	**.52126**	**1.0089**	**54.852**	**.49794**
Stddev	.00039	.00002	.0055	.227	.0113	.081	.00118	.0009	.552	.00162
%RSD	.19353	.00775	.51415	.41737	1.0679	.16475	.22688	.09053	1.0070	.32538
#1	.20029	.26144	1.0617	54.171	1.0506	49.194	.52042	1.0095	54.461	.49908
#2	.19974	.26147	1.0695	54.492	1.0666	49.309	.52209	1.0082	55.242	.49679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8979**	**.47191**	**.05526**	**.48255**	**2.0531**	**10.283**	**22.006**	**1.9997**	**1.0913**	**.98360**
Stddev	.0158	.00100	.00125	.00009	.0108	.103	.221	.0060	.0054	.00397
%RSD	.15936	.21178	2.2622	.01800	.52657	1.0037	1.0037	.30204	.49466	.40372
#1	9.9091	.47262	.05615	.48249	2.0608	10.210	21.849	2.0040	1.0875	.98080
#2	9.8867	.47121	.05438	.48261	2.0455	10.356	22.162	1.9954	1.0951	.98641
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0149**	**2.0054**	**2.2135**	**.51676**	**.48112**	**.45379**
Stddev	.0034	.0100	.0049	.00009	.00199	.00467
%RSD	.33688	.49875	.22137	.01693	.41388	1.0293
#1	1.0125	2.0125	2.2100	.51683	.47972	.45049
#2	1.0173	1.9983	2.2169	.51670	.48253	.45710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3920.0**	**61451.**	**6184.7**
Stddev	4.8	229.	42.6
%RSD	.12349	.37268	.68938
#1	3916.5	61289.	6214.9
#2	3923.4	61613.	6154.6

Sample Name: 280-27123-g-11-i Acquired: 4/10/2012 0:52:48 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00349**	**.00231**	**.00181**	**.00023**	**.00005**	**.00136**	**.01962**	**-.00002**	**-.00006**
Stddev	.00016	.00071	.00327	.00079	.00012	.00001	.00097	.00031	.00002	.00006
%RSD	15.380	20.370	141.63	43.653	50.254	21.609	71.295	1.6011	86.722	110.63
#1	.00116	.00399	.00000	.00236	.00015	.00006	.00204	.01940	-.00001	-.00001
#2	.00094	.00298	.00462	.00125	.00032	.00004	.00067	.01984	-.00003	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00162**	**.00496**	**.09149**	**-.00155**	**.00934**	**.00027**	**.00193**	**.20161**	**.00028**
Stddev	.00005	.00002	.00127	.08654	.00108	.00390	.00001	.00064	.00540	.00002
%RSD	459.49	1.1184	25.623	94.589	69.715	41.749	2.9425	33.362	2.6808	8.2551
#1	.00004	-.00161	.00586	.15269	-.00231	.00658	.00027	.00147	.19779	.00029
#2	-.00002	-.00163	.00406	.03030	-.00078	.01210	.00028	.00238	.20544	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00263**	**.00030**	**.05271**	**-.00068**	**-.00259**	**.01363**	**.02917**	**.00089**	**.00020**	**-.00022**
Stddev	.00271	.00019	.00125	.00050	.00283	.00888	.01900	.00118	.00003	.00040
%RSD	103.07	61.749	2.3680	73.467	108.96	65.139	65.139	132.74	13.655	177.59
#1	.00071	.00043	.05359	-.00103	-.00459	.01991	.04260	.00172	.00018	-.00050
#2	.00454	.00017	.05183	-.00033	-.00060	.00735	.01573	.00005	.00022	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00023**	**-.00887**	**-.00005**	**.00285**	**.00204**
Stddev	.00020	.00071	.00085	.00035	.00008	.00013
%RSD	24.635	315.32	9.5970	651.89	2.7202	6.4221
#1	.00068	-.00073	-.00826	.00019	.00279	.00213
#2	.00097	.00028	-.00947	-.00030	.00290	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4113.0**	**65755.**	**6263.3**
Stddev	1.3	83.	2.7
%RSD	.03062	.12672	.04349
#1	4112.1	65696.	6261.4
#2	4113.9	65814.	6265.3

Sample Name: 280-27123-g-11-iSD@5 Acquired: 4/10/2012 0:55:14 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00159**	**.00222**	**.00111**	**.00000**	**.00005**	**.00159**	**.00290**	**-.00015**	**-.00002**
Stddev	.00020	.00009	.00022	.00038	.00002	.00001	.00274	.00190	.00001	.00014
%RSD	21.626	5.4425	10.015	34.425	530.57	22.771	172.41	65.596	3.7545	677.26
#1	.00078	.00165	.00206	.00138	-.00001	.00004	.00353	.00425	-.00016	-.00012
#2	.00106	.00153	.00238	.00084	.00002	.00006	-.00035	.00155	-.00015	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00141**	**.00770**	**.04403**	**.00032**	**.00233**	**.00008**	**.00000**	**.13966**	**-.00004**
Stddev	.00008	.00007	.00205	.00076	.00102	.00202	.00004	.0000	.01398	.00001
%RSD	14.320	5.0182	26.653	1.7181	319.74	86.956	51.011	1006.5	10.011	19.650
#1	.00049	-.00136	.00625	.04457	-.00040	.00090	.00012	-.00002	.14954	-.00003
#2	.00060	-.00146	.00916	.04350	.00104	.00376	.00005	.00001	.12977	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00051**	**.04212**	**-.00156**	**-.00152**	**-.01605**	**-.03434**	**.00082**	**.00006**	**.00073**
Stddev	.00108	.00032	.01393	.00004	.00388	.00033	.00071	.00031	.00003	.00028
%RSD	152.39	62.044	33.066	2.6719	254.90	2.0802	2.0802	37.729	52.876	38.231
#1	.00147	.00073	.05197	-.00154	.00122	-.01581	-.03384	.00060	.00004	.00053
#2	-.00005	.00029	.03227	-.00159	-.00427	-.01628	-.03485	.00104	.00009	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00114**	**-.01051**	**-.00002**	**.00229**	**-.00002**
Stddev	.00005	.00015	.00458	.00046	.00055	.00056
%RSD	12.290	13.119	43.588	2466.9	24.049	3569.8
#1	.00035	.00104	-.00727	.00031	.00268	.00038
#2	.00042	.00125	-.01375	-.00035	.00190	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4132.4**	**65300.**	**6193.0**
Stddev	.2	154.	6.4
%RSD	.00592	.23657	.10412
#1	4132.6	65410.	6197.5
#2	4132.2	65191.	6188.4

Sample Name: 280-27123-g-11-iPDS Acquired: 4/10/2012 0:57:39 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04918**	**1.1775**	**.22642**	**.10122**	**.12880**	**.06044**	**-.00235**	**23.746**	**.05978**	**.05850**
Stddev	.00015	.0016	.00022	.00052	.00030	.00007	.00137	.012	.00019	.00021
%RSD	.30626	.13669	.09546	.51459	.23512	.11108	58.427	.05255	.31992	.36690
#1	.04929	1.1787	.22627	.10086	.12859	.06049	-.00138	23.737	.05992	.05865
#2	.04907	1.1764	.22658	.10159	.12902	.06040	-.00333	23.755	.05964	.05835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06009**	**.06119**	**1.2663**	**25.376**	**.12403**	**23.190**	**.06252**	**.05149**	**26.208**	**.05938**
Stddev	.00014	.00113	.0037	.071	.00095	.146	.00049	.00002	.310	.00001
%RSD	.24036	1.8421	.29208	.27985	.76587	.62974	.78639	.04216	1.1834	.02472
#1	.06019	.06199	1.2689	25.326	.12470	23.294	.06287	.05150	26.427	.05937
#2	.05998	.06039	1.2637	25.426	.12336	23.087	.06217	.05147	25.989	.05939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3064**	**.11362**	**.07014**	**.10189**	**.23962**	**5.1140**	**10.944**	**.10264**	**.06594**	**.23079**
Stddev	.0047	.00062	.00028	.00037	.00176	.0285	.061	.00037	.00014	.00182
%RSD	.20235	.54291	.40404	.36539	.73450	.55821	.55821	.35847	.20503	.78677
#1	2.3097	.11318	.07034	.10215	.23838	5.0938	10.901	.10238	.06584	.23207
#2	2.3031	.11406	.06994	.10163	.24087	5.1342	10.987	.10290	.06603	.22950
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05272**	**.24796**	**.65486**	**.06106**	**.23237**	**.04127**
Stddev	.00047	.00129	.00470	.00066	.00059	.00205
%RSD	.89432	.51945	.71748	1.0885	.25226	4.9766
#1	.05305	.24704	.65154	.06153	.23196	.03982
#2	.05238	.24887	.65818	.06059	.23278	.04272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3977.5**	**62722.**	**6241.5**
Stddev	11.0	471.	34.5
%RSD	.27636	.75078	.55345
#1	3969.8	62389.	6217.1
#2	3985.3	63055.	6265.9

Sample Name: CCVH-1326164 Acquired: 4/10/2012 0:59:57 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**52.450**	**-.00197**	**.00230**	**.00036**	**.00010**	**1.0003**	**.00180**	**.00002**	**.00030**	**.00098**	**.00448**
Stddev	.00028	.108	.00222	.00002	.00031	.00006	.0030	.00384	.00002	.00035	.00001	.00010
%RSD	7.4325	.20580	112.51	.70011	83.834	58.775	.29884	212.97	77.325	117.98	1.0402	2.1894
#1	.00363	52.527	-.00040	.00229	.00058	.00006	.99817	.00452	.00003	.00005	.00097	.00441
#2	.00403	52.374	-.00354	.00231	.00015	.00014	1.0024	-.00091	.00001	.00054	.00098	.00455
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.332**	**.07609**	**-.00146**	**.01339**	**-.00012**	**-.00049**	**262.99**	**.00226**	**.00607**	**-.00335**	**4.9724**	**-.00140**
Stddev	.077	.02106	.00110	.00138	.00004	.00001	1.44	.00000	.00057	.00120	.0292	.00052
%RSD	.14751	27.676	75.123	10.340	29.313	1.3816	.54607	.21337	9.4347	35.752	.58721	36.923
#1	52.387	.09098	-.00224	.01241	-.00010	-.00049	264.00	.00226	.00648	-.00250	4.9518	-.00177
#2	52.278	.06120	-.00069	.01437	-.00015	-.00048	261.97	.00226	.00567	-.00419	4.9931	-.00104
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00807**	**.01636**	**.03501**	**.00155**	**.00043**	**4.7834**	**.00318**	**-.00005**	W **10.552**	**.00270**	**.00160**	**-.19301**
Stddev	.00113	.01754	.03754	.00078	.00000	.0049	.00020	.00078	.040	.00080	.00001	.00122
%RSD	14.033	107.22	107.22	50.067	.76598	.10256	6.2420	1596.9	.37476	29.558	.42852	.62955
#1	-.00727	.02876	.06155	.00210	.00044	4.7869	.00304	-.00060	10.580	.00213	.00160	-.19215
#2	-.00887	.00396	.00847	.00100	.00043	4.7800	.00333	.00050	10.524	.00326	.00161	-.19387
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3948.7**	**61516.**	**6235.3**
Stddev	11.7	13.	16.6
%RSD	.29686	.02032	.26672
#1	3957.0	61507.	6223.6
#2	3940.4	61525.	6247.1

Sample Name: CCV-1343805 Acquired: 4/10/2012 1:02:22 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52385**	**.51991**	**.96472**	**.50030**	**.54308**	**.51008**	**.00124**	**5.1503**	**.50539**	**.50345**	**.50478**	**.52139**	F **4.0711**
Stddev	.00989	.00292	.00937	.00223	.00194	.00276	.00447	.0245	.00128	.00142	.00130	.01062	.0075
%RSD	1.8884	.56255	.97086	.44496	.35649	.54107	360.31	.47490	.25366	.28287	.25785	2.0376	.18487
#1	.51686	.52198	.97134	.50188	.54445	.51203	.00440	5.1676	.50630	.50446	.50570	.51388	4.0764
#2	.53085	.51785	.95809	.49873	.54172	.50813	-.00192	5.1330	.50448	.50244	.50386	.52890	4.0658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value													2.5000
Range													10.490%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.522**	**1.0522**	**20.217**	**.52157**	**.49978**	**5.3592**	**.50575**	**.97912**	**.96412**	**.06015**	**1.0026**	**1.0344**	**5.0556**
Stddev	.016	.0021	.286	.00876	.00011	.0002	.00206	.00127	.00366	.00282	.0048	.0025	.0056
%RSD	.03057	.20101	1.4165	1.6796	.02239	.00374	.40687	.13020	.37967	4.6929	.47466	.24259	.11047
#1	53.534	1.0537	20.015	.51537	.49970	5.3590	.50720	.98002	.96671	.06215	1.0059	1.0362	5.0516
#2	53.511	1.0507	20.420	.52776	.49986	5.3593	.50429	.97822	.96153	.05816	.99922	1.0326	5.0595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.819**	**1.0155**	**.53519**	**.01527**	**.50211**	**1.0508**	**.00790**	**.51252**	**.49744**	**.49020**
Stddev	.012	.0037	.00095	.00059	.00743	.0007	.00259	.00828	.00679	.00247
%RSD	.11047	.36173	.17811	3.8484	1.4793	.06619	32.790	1.6154	1.3656	.50348
#1	10.810	1.0181	.53586	.01486	.49686	1.0503	.00607	.50666	.49263	.49194
#2	10.827	1.0129	.53451	.01569	.50737	1.0512	.00973	.51837	.50224	.48845
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4053.7**	**63445.**	**6239.1**
Stddev	11.6	405.	30.8
%RSD	.28642	.63908	.49338
#1	4045.5	63732.	6260.9
#2	4062.0	63158.	6217.4

Sample Name: CCB Acquired: 4/10/2012 1:04:35 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00103	.00234	-.00044	.00142	.00015	.00006	.00039	F .09577	.00006	-.00005	-.00013	F .00423
Stddev	.00023	.00005	.00200	.00028	.00017	.00004	.00065	.00125	.00012	.00011	.00000	.00022
%RSD	22.507	2.3483	450.31	19.528	113.67	60.576	165.74	1.3102	195.36	229.82	3.5450	5.0900
#1	.00087	.00238	-.00186	.00162	.00003	.00009	-.00007	.09666	-.00002	-.00012	-.00013	.00438
#2	.00119	.00230	.00097	.00123	.00028	.00004	.00085	.09488	.00014	.00003	-.00013	.00408
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	.00093							.06900				.00272
Low Limit	-.00093							-.06900				-.00272

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00394	F .27226	-.00209	.00600	W .00026	.00085	F .29339	.00017	.00254	.00084	.05959	W .00357
Stddev	.00121	.00108	.00114	.00153	.00002	.00030	.00423	.00009	.00044	.00039	.00444	.00116
%RSD	30.610	.39707	54.282	25.556	6.4997	36.036	1.4403	53.936	17.210	45.840	7.4569	32.330
#1	.00309	.27303	-.00129	.00709	.00027	.00063	.29638	.00024	.00223	.00057	.05645	.00276
#2	.00479	.27150	-.00290	.00492	.00025	.00106	.29041	.00011	.00285	.00111	.06273	.00439
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit		.25000			.00025		.18320					.00314
Low Limit		-.25000			-.00025		-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00314	-.00821	-.01758	.00080	.00009	.00078	.00043	.00030	-.01223	-.00054	W .00813	.00058
Stddev	.00218	.00197	.00421	.00033	.00000	.00010	.00007	.00065	.00356	.00001	.00003	.00005
%RSD	69.650	23.955	23.955	40.741	.99114	12.352	16.603	214.55	29.106	1.4787	.43037	8.1004
#1	-.00159	-.00682	-.01460	.00103	.00009	.00071	.00038	.00076	-.00971	-.00055	.00810	.00054
#2	-.00468	-.00961	-.02056	.00057	.00009	.00085	.00048	-.00016	-.01475	-.00054	.00815	.00061
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit											.00453	
Low Limit											-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4096.7	65321.	6249.8
Stddev	23.4	66.	47.7
%RSD	.57190	.10054	.76316
#1	4113.3	65274.	6216.0
#2	4080.2	65367.	6283.5

Sample Name: CCVL1351092 Acquired: 4/10/2012 1:07:01 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01155**	**.10696**	**.01430**	**.09435**	**.01084**	**.00100**	**.10815**	**.20333**	**.00521**	**.01030**	**.01044**	**.01432**	**.10768**	**3.3512**
Stddev	.00037	.00063	.00147	.00102	.00021	.00001	.00272	.00334	.00005	.00012	.00006	.00007	.00288	.0095
%RSD	3.1660	.59158	10.309	1.0771	1.9540	1.0504	2.5190	1.6403	.93539	1.1782	.61389	.48414	2.6744	.28278
#1	.01180	.10740	.01325	.09364	.01099	.00099	.11007	.20568	.00517	.01039	.01040	.01437	.10564	3.3445
#2	.01129	.10651	.01534	.09507	.01069	.00100	.10622	.20097	.00524	.01021	.01049	.01427	.10971	3.3579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00882**	**.20431**	**.01079**	**.01970**	**1.2014**	**.04155**	**2.7514**	**.00965**	**.04033**	**.00928**	**.01503**	**.48544**	**1.0388**	**.10152**
Stddev	.00078	.00141	.00000	.00000	.0077	.00028	.0018	.00015	.00176	.00004	.00405	.00033	.0007	.00039
%RSD	8.8079	.69079	.00666	.01044	.64490	.66788	.06530	1.5443	4.3748	.47816	26.970	.06805	.06805	.38672
#1	.00827	.20331	.01079	.01970	1.1959	.04174	2.7526	.00954	.04157	.00925	.01216	.48567	1.0393	.10179
#2	.00937	.20530	.01079	.01970	1.2068	.04135	2.7501	.00975	.03908	.00931	.01789	.48521	1.0383	.10124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.01582**	**.01001**	**.01690**	**.06840**	**.00999**	**.02202**	**.01350**
Stddev	.00001	.00034	.00013	.00160	.00775	.00022	.00007	.00169
%RSD	.07163	2.1273	1.2702	9.4609	11.326	2.2237	.33600	12.510
#1	.01094	.01558	.01010	.01577	.06293	.00983	.02197	.01469
#2	.01095	.01606	.00992	.01803	.07388	.01014	.02207	.01230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4091.6**	**65286.**	**6244.9**
Stddev	1.4	188.	5.7
%RSD	.03375	.28725	.09134
#1	4090.6	65154.	6240.9
#2	4092.6	65419.	6248.9

Sample Name: mb 280-114541/1-a Acquired: 4/10/2012 1:09:24 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00295**	**.00012**	**.00088**	**.00011**	**.00006**	**-.00117**	**.00002**	**.00004**	**.00016**
Stddev	.00004	.00068	.00148	.00068	.00006	.00003	.00090	.00174	.00011	.00026
%RSD	4.0321	23.140	1221.3	77.215	56.873	60.479	77.052	7424.2	291.46	157.65
#1	.00092	.00247	-.00093	.00040	.00006	.00003	-.00053	-.00121	-.00004	.00035
#2	.00087	.00343	.00117	.00136	.00015	.00008	-.00180	.00125	.00011	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00080**	**.00610**	**.06975**	**-.00161**	**.00130**	**.00009**	**-.00021**	**.11742**	**.00002**
Stddev	.00016	.00020	.00079	.00186	.00075	.00007	.00003	.00049	.00351	.00012
%RSD	81.961	24.592	12.938	2.6633	46.477	5.6873	36.223	229.43	2.9876	773.02
#1	.00008	-.00094	.00554	.07107	-.00108	.00125	.00011	.00013	.11494	.00010
#2	.00032	-.00066	.00666	.06844	-.00214	.00135	.00006	-.00056	.11990	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00126**	F **.03471**	**.00014**	**-.00290**	W **-.00957**	**-.02048**	**.00098**	**-.00004**	**.00128**
Stddev	.00109	.00073	.00030	.00002	.00110	.00584	.01249	.00114	.00003	.00075
%RSD	134.10	57.588	.87655	11.543	37.870	60.978	60.978	116.16	92.961	58.842
#1	.00158	.00178	.03492	.00015	-.00368	-.01370	-.02931	.00018	-.00006	.00181
#2	.00004	.00075	.03449	.00012	-.00213	-.00544	-.01165	.00179	-.00001	.00075
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00059**	**-.00468**	**.00004**	**.00313**	**-.00039**
Stddev	.00005	.00012	.02666	.00031	.00056	.00183
%RSD	13.120	20.339	569.28	695.94	17.718	467.02
#1	.00033	-.00050	-.02354	-.00017	.00353	.00090
#2	.00040	-.00067	.01417	.00026	.00274	-.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4049.6**	**65767.**	**6338.9**
Stddev	112.1	14.	7.0
%RSD	2.7679	.02111	.11108
#1	4128.8	65757.	6343.9
#2	3970.3	65776.	6334.0

Sample Name: lcs 280-114541/2-a Acquired: 4/10/2012 1:11:50 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05484**	**1.9052**	**.96817**	**.97925**	**2.1664**	**.05132**	**2.1036**	**50.024**	**.10163**	**.49149**
Stddev	.00008	.0020	.00015	.00426	.0159	.00003	.0090	.243	.00013	.00063
%RSD	.15339	.10336	.01562	.43468	.73306	.05531	.42732	.48600	.12920	.12862
#1	.05489	1.9038	.96806	.97624	2.1551	.05134	2.0973	49.852	.10154	.49104
#2	.05478	1.9066	.96828	.98226	2.1776	.05130	2.1100	50.196	.10172	.49194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20110**	**.25901**	**1.0581**	**54.025**	**1.0489**	**49.193**	**.51968**	**1.0085**	**54.203**	**.49968**
Stddev	.00077	.00079	.0029	.369	.0070	.136	.00091	.0013	.592	.00014
%RSD	.38284	.30338	.27808	.68358	.67028	.27696	.17534	.13285	1.0921	.02868
#1	.20056	.25845	1.0560	53.764	1.0439	49.097	.51903	1.0076	53.784	.49958
#2	.20164	.25957	1.0602	54.286	1.0538	49.290	.52032	1.0095	54.622	.49978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8759**	**.47242**	**.04206**	**.48088**	**2.0562**	**10.074**	F **21.559**	**2.0074**	**1.0836**	**.97435**
Stddev	.0409	.00216	.00100	.00072	.0115	.112	.239	.0028	.0062	.00012
%RSD	.41421	.45715	2.3872	.15023	.56135	1.1088	1.1088	.14009	.57300	.01196
#1	9.8470	.47090	.04277	.48037	2.0480	9.9951	21.390	2.0054	1.0792	.97426
#2	9.9049	.47395	.04135	.48139	2.0643	10.153	21.728	2.0094	1.0880	.97443
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0073**	**2.0136**	**2.1697**	**.51529**	**.47996**	**.45367**
Stddev	.0010	.0066	.0330	.00006	.00056	.00182
%RSD	.09562	.33031	1.5211	.01126	.11731	.40181
#1	1.0066	2.0089	2.1464	.51533	.48036	.45238
#2	1.0079	2.0183	2.1931	.51525	.47956	.45496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3924.1**	**61825.**	**6206.6**
Stddev	5.5	166.	36.1
%RSD	.14079	.26848	.58215
#1	3928.1	61943.	6232.2
#2	3920.2	61708.	6181.1

Sample Name: 280-27282-a-1-a Acquired: 4/10/2012 1:14:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00197**	**.00072**	**.46754**	**.03408**	**.00010**	**-.00287**	**102.53**	**.00030**	**-.00057**
Stddev	.00014	.00070	.00151	.00259	.00003	.00001	.00060	.21	.00010	.00013
%RSD	11.236	35.471	209.32	.55442	.09300	12.023	20.923	.20442	31.527	22.754
#1	.00115	.00148	.00179	.46937	.03406	.00009	-.00329	102.38	.00037	-.00048
#2	.00135	.00246	-.00035	.46571	.03411	.00011	-.00245	102.68	.00023	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00509**	**.00025**	**.03046**	**3.0145**	**.05008**	**26.082**	**.06454**	**.00391**	**176.23**	**.00083**
Stddev	.00011	.00024	.00125	.0220	.00157	.023	.00004	.00097	.00	.00009
%RSD	2.2087	98.541	4.1134	.72953	3.1287	.08966	.06939	24.685	.00172	10.318
#1	.00517	.00042	.02957	2.9990	.04898	26.099	.06451	.00323	176.23	.00089
#2	.00501	.00007	.03134	3.0301	.05119	26.066	.06457	.00459	176.22	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01341**	**.00151**	**119.55**	**-.00164**	**.01514**	**13.045**	**27.916**	**.00052**	**1.2965**	**.00018**
Stddev	.00078	.00068	.03	.00103	.00039	.034	.072	.00067	.0017	.00019
%RSD	5.8178	44.572	.02868	63.141	2.5505	.25959	.25959	129.75	.13224	105.12
#1	.01396	.00104	119.57	-.00091	.01541	13.021	27.865	.00099	1.2953	.00005
#2	.01286	.00199	119.52	-.00237	.01486	13.069	27.967	.00004	1.2978	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00199**	**.01307**	**.00091**	**.00320**	**-.00037**
Stddev	.00009	.00045	.02286	.00043	.00008	.00029
%RSD	10.187	22.674	174.93	46.967	2.4931	79.255
#1	.00090	.00167	.02923	.00121	.00315	-.00057
#2	.00078	.00230	-.00310	.00061	.00326	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3828.9**	**60088.**	**6155.9**
Stddev	4.9	9.	1.0
%RSD	.12844	.01541	.01613
#1	3832.4	60081.	6156.6
#2	3825.4	60094.	6155.2

Sample Name: 280-27282-a-1-aSD@5 Acquired: 4/10/2012 1:16:22 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00636**	**.00148**	**.09688**	**.00698**	**.00003**	**.00226**	**20.667**	**-.00006**	**-.00018**
Stddev	.00042	.00019	.00032	.00047	.00014	.00007	.00060	.160	.00001	.00008
%RSD	40.899	2.9523	21.410	.48698	1.9852	239.31	26.488	.77592	19.768	47.298
#1	.00073	.00623	.00125	.09721	.00688	.00008	.00184	20.554	-.00005	-.00024
#2	.00133	.00649	.00170	.09654	.00708	-.00002	.00268	20.781	-.00007	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**-.00121**	**.01328**	**.65283**	**.01067**	**5.4557**	**.01324**	**.00024**	**35.763**	**.00047**
Stddev	.00002	.00017	.00053	.01430	.00006	.0022	.00011	.00003	.089	.00004
%RSD	1.5862	14.393	3.9761	2.1901	.60495	.03997	.83054	13.802	.24921	8.5623
#1	.00148	-.00133	.01290	.66294	.01072	5.4572	.01332	.00021	35.700	.00044
#2	.00145	-.00109	.01365	.64272	.01063	5.4541	.01316	.00026	35.826	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00347**	**-.00090**	**24.130**	**-.00009**	**-.00184**	**2.5931**	**5.5493**	**.00007**	**.26005**	**.00030**
Stddev	.00132	.00049	.006	.00014	.00092	.0191	.0409	.00060	.00201	.00042
%RSD	38.007	54.441	.02365	160.84	49.763	.73769	.73769	861.51	.77191	137.98
#1	.00440	-.00124	24.126	-.00019	-.00249	2.5796	5.5203	-.00035	.25863	.00001
#2	.00253	-.00055	24.134	.00001	-.00120	2.6066	5.5782	.00049	.26147	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00163**	**-.01430**	**.00035**	**.00275**	**.00127**
Stddev	.00031	.00017	.00198	.00003	.00036	.00164
%RSD	62.501	10.605	13.826	9.5441	12.924	129.02
#1	.00028	.00175	-.01290	.00037	.00300	.00244
#2	.00072	.00151	-.01570	.00032	.00250	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.3**	**64111.**	**6309.8**
Stddev	2.8	117.	42.3
%RSD	.07010	.18199	.66991
#1	4048.3	64194.	6339.7
#2	4052.3	64029.	6279.9

Sample Name: 280-27282-a-1-b ms Acquired: 4/10/2012 1:18:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05274**	**1.8753**	**1.0027**	**1.4368**	**2.1891**	**.05084**	F **2.0664**	**150.38**	**.10251**	**.48541**
Stddev	.00396	.0030	.0090	.0027	.0014	.00018	.0069	.38	.00014	.00100
%RSD	7.5113	.15958	.89519	.18572	.06152	.36036	.33211	.25432	.13694	.20569
#1	.05554	1.8732	.99637	1.4349	2.1882	.05097	2.0616	150.65	.10242	.48471
#2	.04993	1.8774	1.0091	1.4386	2.1901	.05071	2.0713	150.11	.10261	.48612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20512**	**.24660**	**1.0784**	**57.422**	**1.1002**	**70.950**	**.55224**	**1.0130**	**227.53**	**.49385**
Stddev	.00001	.01866	.0041	.163	.0030	4.941	.04073	.0006	.45	.00031
%RSD	.00726	7.5689	.37901	.28376	.27626	6.9636	7.3748	.06142	.19623	.06256
#1	.20511	.25980	1.0755	57.537	1.1023	74.444	.58104	1.0134	227.85	.49363
#2	.20513	.23340	1.0813	57.307	1.0980	67.457	.52344	1.0125	227.22	.49407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.211**	**.46202**	**119.93**	**.48577**	**2.1099**	**23.155**	**49.551**	**1.9897**	**2.3606**	**.93500**
Stddev	.003	.00053	.24	.00017	.0078	.066	.140	.0039	.0026	.06087
%RSD	.02627	.11498	.19896	.03547	.36979	.28351	.28351	.19494	.11070	6.5103
#1	10.210	.46165	119.76	.48589	2.1044	23.201	49.651	1.9869	2.3588	.97804
#2	10.213	.46240	120.10	.48565	2.1154	23.108	49.452	1.9924	2.3625	.89195
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96013**	**1.9007**	**2.0879**	**.49112**	**.46220**	**.45484**
Stddev	.06769	.0009	.1858	.03579	.03145	.00007
%RSD	7.0504	.04700	8.9011	7.2876	6.8034	.01447
#1	1.0080	1.9013	2.2193	.51643	.48444	.45479
#2	.91226	1.9001	1.9565	.46581	.43997	.45489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3725.8**	**60373.**	**6009.6**
Stddev	4.1	2948.	45.9
%RSD	.11131	4.8827	.76405
#1	3728.7	58289.	5977.1
#2	3722.9	62458.	6042.1

Sample Name: 280-27282-a-1-c msd Acquired: 4/10/2012 1:20:55 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05497**	**1.8618**	**.99553**	**1.4199**	**2.1703**	**.05028**	F **2.0495**	**148.05**	**.10213**	**.48230**
Stddev	.00034	.0038	.00766	.0060	.0136	.00030	.0034	.76	.00006	.00019
%RSD	.62720	.20528	.76911	.42141	.62442	.60570	.16623	.51432	.06271	.03972
#1	.05472	1.8645	.99012	1.4157	2.1608	.05007	2.0471	147.51	.10217	.48216
#2	.05521	1.8591	1.0009	1.4241	2.1799	.05050	2.0519	148.59	.10208	.48243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20372**	**.25792**	**1.0612**	**56.960**	**1.0935**	**74.064**	**.57830**	**1.0063**	**223.67**	**.49062**
Stddev	.00098	.00048	.0001	.279	.0073	.257	.00107	.0002	.88	.00065
%RSD	.48183	.18741	.01195	.48933	.66349	.34717	.18514	.01975	.39370	.13261
#1	.20302	.25826	1.0613	56.762	1.0884	74.246	.57906	1.0064	223.05	.49016
#2	.20441	.25758	1.0611	57.157	1.0987	73.883	.57754	1.0061	224.30	.49108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.147**	**.46019**	**117.62**	**.47813**	**2.0983**	**22.803**	**48.798**	**1.9705**	**2.3228**	**.97461**
Stddev	.026	.00082	.17	.00231	.0072	.082	.175	.0003	.0092	.00327
%RSD	.25781	.17774	.14719	.48226	.34171	.35816	.35816	.01322	.39513	.33573
#1	10.128	.46077	117.50	.47650	2.1033	22.745	48.674	1.9703	2.3163	.97692
#2	10.165	.45961	117.75	.47976	2.0932	22.861	48.922	1.9707	2.3293	.97229
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0022**	**1.8887**	**2.1792**	**.51439**	**.48397**	**.44930**
Stddev	.0031	.0022	.0060	.00293	.00284	.00447
%RSD	.30731	.11808	.27656	.57048	.58668	.99523
#1	1.0044	1.8872	2.1750	.51646	.48598	.44614
#2	1.0001	1.8903	2.1835	.51231	.48197	.45247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3709.4**	**58226.**	**5999.9**
Stddev	6.0	11.	8.4
%RSD	.16201	.01851	.14061
#1	3705.2	58233.	6005.9
#2	3713.7	58218.	5994.0

Sample Name: 280-27282-a-1-aPDS Acquired: 4/10/2012 1:23:04 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04930**	**1.1360**	**.23552**	**.56559**	**.16166**	**.06005**	**-.00249**	**125.72**	**.06070**	**.05708**
Stddev	.00037	.0006	.00068	.00066	.00016	.00017	.00048	.30	.00009	.00017
%RSD	.76008	.05660	.28758	.11751	.10033	.28254	19.146	.24235	.15395	.30453
#1	.04904	1.1365	.23600	.56512	.16154	.06017	-.00283	125.50	.06077	.05696
#2	.04957	1.1356	.23505	.56606	.16177	.05993	-.00215	125.93	.06063	.05720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06418**	**.06173**	**1.2838**	**28.808**	**.17623**	**49.072**	**.12633**	**.05517**	**200.65**	**.05851**
Stddev	.00003	.00051	.0021	.030	.00026	.132	.00001	.00075	.63	.00011
%RSD	.04596	.82031	.16545	.10343	.14483	.26913	.01065	1.3526	.31194	.19406
#1	.06421	.06209	1.2853	28.787	.17605	49.165	.12632	.05464	200.20	.05859
#2	.06416	.06137	1.2823	28.829	.17641	48.978	.12633	.05570	201.09	.05843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4102**	**.10906**	**120.01**	**.10145**	**.26115**	**18.269**	**39.095**	**.10322**	**1.3598**	**.23179**
Stddev	.0055	.00016	.05	.00268	.00024	.040	.086	.00176	.0012	.00074
%RSD	.22834	.15018	.04266	2.6466	.09122	.21873	.21873	1.7076	.08534	.31736
#1	2.4063	.10918	120.04	.10335	.26098	18.297	39.155	.10447	1.3606	.23127
#2	2.4141	.10895	119.97	.09955	.26131	18.240	39.035	.10198	1.3589	.23231
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05324**	**.22834**	**.65223**	**.06227**	**.23677**	**.04263**
Stddev	.00026	.00411	.00687	.00008	.00022	.00096
%RSD	.48119	1.8012	1.0538	.12383	.09437	2.2458
#1	.05306	.23125	.64737	.06233	.23692	.04196
#2	.05342	.22543	.65709	.06222	.23661	.04331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3773.5**	**58942.**	**6022.3**
Stddev	.2	123.	37.3
%RSD	.00661	.20926	.61997
#1	3773.3	59030.	6048.7
#2	3773.6	58855.	5995.9

Sample Name: 280-27282-a-2-a Acquired: 4/10/2012 1:25:20 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00118	.00671	.00249	.46486	.03354	.00002	-.00289	102.12	.00025	-.00044
Stddev	.00022	.00015	.00048	.00129	.00018	.00004	.00224	.63	.00000	.00009
%RSD	18.776	2.1937	19.127	.27732	.52195	253.77	77.640	.62104	.81071	20.058
#1	.00103	.00660	.00216	.46394	.03342	-.00001	-.00130	101.68	.00025	-.00038
#2	.00134	.00681	.00283	.46577	.03366	.00004	-.00447	102.57	.00025	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00548	.00110	.08241	3.0555	.05327	26.009	.06732	.00252	176.11	.00132
Stddev	.00018	.00025	.00173	.0218	.00060	.107	.00033	.00003	.77	.00023
%RSD	3.2546	22.438	2.0974	.71480	1.1187	.41227	.48856	1.1359	.43992	17.610
#1	.00535	.00093	.08119	3.0401	.05285	25.933	.06709	.00250	175.56	.00148
#2	.00560	.00128	.08363	3.0710	.05369	26.085	.06755	.00254	176.66	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01450	.00060	118.79	-.00170	.01254	12.956	27.725	-.00012	1.2891	-.00044
Stddev	.00052	.00023	.23	.00184	.00312	.003	.007	.00042	.0024	.00006
%RSD	3.5530	37.417	.19176	108.41	24.888	.02682	.02682	349.75	.18790	13.589
#1	.01414	.00076	118.63	-.00300	.01033	12.953	27.720	.00018	1.2874	-.00048
#2	.01487	.00044	118.95	-.00040	.01474	12.958	27.730	-.00042	1.2908	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00092	.00035	.02109	.00047	.00406	.00029
Stddev	.00020	.00004	.02128	.00024	.00060	.00104
%RSD	21.605	10.710	100.88	51.770	14.904	363.68
#1	.00078	.00033	.00605	.00064	.00449	.00102
#2	.00106	.00038	.03614	.00030	.00363	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3817.1	59645.	6063.5
Stddev	8.7	222.	14.5
%RSD	.22743	.37154	.23879
#1	3823.3	59802.	6073.7
#2	3811.0	59488.	6053.2

Sample Name: 280-27282-a-3-a Acquired: 4/10/2012 1:27:41 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00708**	**-.00285**	**.45868**	**.03329**	**.00009**	**-.00070**	**100.67**	**.00029**	**-.00011**
Stddev	.00027	.00004	.00452	.00154	.00020	.00006	.00034	.41	.00007	.00023
%RSD	21.105	.61550	158.23	.33600	.60370	68.224	47.999	.40238	25.491	214.57
#1	.00108	.00711	.00034	.45759	.03343	.00013	-.00094	100.38	.00034	.00006
#2	.00146	.00705	-.00605	.45977	.03314	.00005	-.00046	100.96	.00023	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00532**	**.00006**	**.08553**	**2.9954**	**.05092**	**25.731**	**.07289**	**.00217**	**172.41**	**.00141**
Stddev	.00009	.00020	.00125	.0206	.00188	.134	.00035	.00015	.14	.00005
%RSD	1.6905	341.55	1.4591	.68676	3.6888	.52093	.48330	6.7230	.08141	3.5278
#1	.00538	.00020	.08641	3.0100	.05225	25.826	.07314	.00207	172.31	.00144
#2	.00525	-.00008	.08465	2.9809	.04959	25.636	.07264	.00228	172.51	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01388**	**.00004**	**117.18**	**-.00159**	**.01349**	**12.740**	**27.263**	**-.00014**	**1.2651**	**.00133**
Stddev	.00033	.00117	.16	.00059	.00367	.089	.191	.00016	.0003	.00026
%RSD	2.3590	2798.5	.13472	36.994	27.203	.70090	.70090	116.84	.02650	19.264
#1	.01365	-.00078	117.07	-.00118	.01089	12.677	27.128	-.00025	1.2649	.00115
#2	.01412	.00087	117.29	-.00201	.01608	12.803	27.398	-.00002	1.2654	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00020**	**.01901**	**.00065**	**.00366**	**-.00012**
Stddev	.00009	.00004	.02063	.00010	.00006	.00006
%RSD	11.362	19.579	108.55	15.731	1.7377	52.070
#1	.00084	.00023	.00442	.00073	.00371	-.00008
#2	.00071	.00017	.03360	.00058	.00362	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3820.8**	**59773.**	**6063.1**
Stddev	19.3	32.	72.9
%RSD	.50413	.05378	1.2022
#1	3834.4	59796.	6114.6
#2	3807.2	59750.	6011.5

Sample Name: CCVH-1326164 Acquired: 4/10/2012 1:30:02 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**52.402**	**-.00483**	**.00320**	**.00021**	**.00009**	**1.0046**	**-.00216**	**-.00005**	**.00025**	**.00120**	**.00450**
Stddev	.00044	.126	.00399	.00009	.00002	.00004	.0012	.00567	.00005	.00018	.00031	.00014
%RSD	13.041	.24094	82.614	2.7439	7.3716	45.383	.12072	262.94	109.69	73.626	25.568	3.2168
#1	.00307	52.491	-.00765	.00314	.00022	.00012	1.0038	.00185	-.00008	.00038	.00098	.00460
#2	.00369	52.313	-.00201	.00326	.00020	.00006	1.0055	-.00616	-.00001	.00012	.00142	.00439
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.493**	**.11828**	**.00070**	**.01255**	**-.00004**	**-.00082**	**262.93**	**.00214**	**.00408**	**-.00147**	**5.0027**	**-.00241**
Stddev	.066	.05363	.00195	.00150	.00006	.00002	.82	.00013	.00059	.00045	.0106	.00164
%RSD	.12572	45.339	276.56	11.915	134.41	2.0126	.31162	5.8531	14.418	30.762	.21098	68.159
#1	52.540	.15620	.00208	.01361	-.00008	-.00081	263.51	.00205	.00449	-.00115	4.9952	-.00357
#2	52.447	.08036	-.00067	.01150	.00000	-.00083	262.35	.00223	.00366	-.00179	5.0101	-.00125
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00479**	**.01937**	**.04145**	**.00314**	**.00041**	**4.9070**	**.00242**	**.00188**	W **10.686**	**.00302**	**.00140**	**-.19758**
Stddev	.00169	.00453	.00969	.00057	.00002	.0195	.00011	.00156	.018	.00018	.00018	.00004
%RSD	35.227	23.387	23.387	18.297	5.5964	.39656	4.3853	82.844	.17008	5.9762	12.974	.02114
#1	-.00598	.02257	.04831	.00354	.00043	4.9208	.00234	.00078	10.699	.00290	.00127	-.19760
#2	-.00360	.01617	.03460	.00273	.00039	4.8933	.00249	.00298	10.673	.00315	.00153	-.19755
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3930.3**	**60660.**	**6200.5**
Stddev	1.8	367.	19.4
%RSD	.04511	.60566	.31294
#1	3929.0	60401.	6186.8
#2	3931.5	60920.	6214.2

Sample Name: CCV-1343805 Acquired: 4/10/2012 1:32:23 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53128**	**.52152**	**.96932**	**.50044**	**.54765**	**.51502**	**.00051**	**5.1986**	**.50777**	**.50675**	**.50800**	**.52288**	**2.7120**	**54.339**
Stddev	.00270	.00194	.00168	.00063	.00076	.00244	.00038	.0272	.00036	.00053	.00060	.00430	.0013	.082
%RSD	.50773	.37153	.17347	.12627	.13854	.47400	75.126	.52237	.07107	.10461	.11732	.82183	.04765	.15026
#1	.53318	.52015	.96814	.50089	.54819	.51674	.00024	5.2178	.50752	.50637	.50842	.52592	2.7111	54.396
#2	.52937	.52289	.97051	.50000	.54712	.51329	.00078	5.1794	.50803	.50712	.50758	.51984	2.7129	54.281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0548**	**20.634**	**.53001**	**.50341**	**5.3670**	**.51023**	**.98877**	**.97348**	**.05663**	**1.0057**	**1.0377**	**5.1147**	**10.945**	**1.0263**
Stddev	.0087	.051	.00230	.00114	.0315	.00090	.00410	.00178	.00110	.0001	.0060	.0257	.055	.0037
%RSD	.82391	.24683	.43441	.22593	.58755	.17555	.41426	.18323	1.9361	.00657	.57861	.50165	.50165	.36268
#1	1.0609	20.670	.53164	.50421	5.3893	.50960	.98587	.97222	.05741	1.0058	1.0420	5.1328	10.984	1.0237
#2	1.0486	20.598	.52838	.50260	5.3447	.51086	.99166	.97474	.05586	1.0057	1.0335	5.0965	10.907	1.0290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54059**	**.01368**	**.50811**	**1.0566**	**.00287**	**.51986**	**.50467**	**.49327**
Stddev	.00127	.00047	.00305	.0040	.00524	.00227	.00112	.00350
%RSD	.23572	3.4492	.59960	.37866	182.75	.43715	.22245	.71024
#1	.54149	.01401	.51026	1.0595	-.00084	.52147	.50546	.49574
#2	.53969	.01335	.50595	1.0538	.00657	.51826	.50388	.49079
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4034.4**	**62559.**	**6096.0**
Stddev	5.4	264.	17.6
%RSD	.13485	.42237	.28826
#1	4038.3	62373.	6083.6
#2	4030.6	62746.	6108.5

Sample Name: CCB Acquired: 4/10/2012 1:34:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00120	.00041	.00145	.00172	.00007	.00011	.00138	.00121	.00008	.00010	.00013
Stddev	.00013	.00027	.00222	.00008	.00004	.00001	.00054	.00221	.00010	.00007	.00002
%RSD	11.109	66.987	152.52	4.6653	58.444	9.7882	38.798	183.07	118.46	64.690	14.526
#1	.00130	.00060	.00302	.00177	.00004	.00011	.00176	.00276	.00001	.00015	.00011
#2	.00111	.00021	-.00011	.00166	.00010	.00010	.00100	-.00035	.00015	.00006	.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00157	.00087	.06921	-.00165	.00293	.00004	.00106	W .15701	-.00004	.00205	.00044
Stddev	.00000	.00069	.02617	.00150	.00056	.00002	.00054	.00522	.00038	.00149	.00109
%RSD	.12638	78.991	37.815	91.199	19.218	39.150	50.802	3.3260	908.31	72.687	248.67
#1	-.00157	.00136	.05070	-.00271	.00333	.00003	.00068	.15331	.00023	.00100	.00121
#2	-.00157	.00038	.08772	-.00059	.00253	.00005	.00144	.16070	-.00031	.00311	-.00033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03981	.00167	-.00283	-.00713	-.01526	.00175	.00011	-.00020	.00033	-.00023	.00673
Stddev	.00831	.00145	.00102	.00627	.01343	.00143	.00010	.00067	.00023	.00001	.00460
%RSD	20.878	86.951	36.046	87.980	87.980	81.330	94.285	331.83	68.703	3.7686	68.367
#1	.03394	.00064	-.00355	-.00269	-.00577	.00075	.00018	-.00068	.00049	-.00022	.00348
#2	.04569	.00270	-.00211	-.01157	-.02475	.00276	.00004	.00027	.00017	-.00023	.00998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00014	.00184	W .00242
Stddev	.00049	.00007	.00136
%RSD	349.73	3.7887	56.066
#1	.00020	.00189	.00338
#2	-.00048	.00179	.00146
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4045.7	64062.	6023.3
Stddev	6.2	105.	23.3
%RSD	.15316	.16463	.38711
#1	4050.1	64137.	6039.8
#2	4041.3	63988.	6006.8

Sample Name: CCVL1351092 Acquired: 4/10/2012 1:37:01 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01126**	**.10696**	**.01365**	**.09198**	**.01107**	**.00107**	**.10689**	**.20823**	**.00515**	**.01035**	**.01037**	**.01438**	**.10697**
Stddev	.00067	.00014	.00079	.00059	.00027	.00001	.00048	.00237	.00006	.00020	.00003	.00023	.00219
%RSD	5.9212	.13502	5.7924	.64375	2.4149	.50421	.44440	1.1378	1.0881	1.9002	.27554	1.5926	2.0458
#1	.01078	.10686	.01309	.09156	.01088	.00108	.10655	.20655	.00511	.01049	.01039	.01454	.10852
#2	.01173	.10706	.01421	.09240	.01126	.00107	.10722	.20990	.00519	.01021	.01035	.01422	.10542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3379**	**.01071**	**.20797**	**.01090**	**.01967**	**1.2250**	**.04120**	**2.7214**	**.00981**	**.03170**	**.00964**	F **.01004**	**.47774**
Stddev	.0143	.00119	.00099	.00000	.00038	.0099	.00011	.0044	.00188	.00071	.00138	.00124	.02225
%RSD	.42967	11.134	.47400	.01571	1.9079	.80861	.27221	.16240	19.142	2.2457	14.363	12.377	4.6572
#1	3.3278	.00987	.20866	.01090	.01994	1.2180	.04128	2.7182	.00849	.03220	.00866	.00916	.46200
#2	3.3480	.01155	.20727	.01089	.01941	1.2320	.04112	2.7245	.01114	.03120	.01062	.01092	.49347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0224**	**.10110**	**.01098**	**.01557**	**.01021**	**.01707**	**.06029**	**.01041**	**.02213**	**.01422**
Stddev	.0476	.00013	.00007	.00045	.00024	.00028	.00645	.00013	.00011	.00161
%RSD	4.6572	.12898	.66718	2.8667	2.3051	1.6143	10.702	1.2134	.51338	11.291
#1	.98869	.10101	.01103	.01588	.01005	.01687	.06485	.01050	.02221	.01308
#2	1.0560	.10119	.01093	.01525	.01038	.01726	.05572	.01032	.02205	.01535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4070.8**	**64425.**	**6114.3**
Stddev	14.8	343.	51.9
%RSD	.36353	.53244	.84884
#1	4081.2	64183.	6077.6
#2	4060.3	64668.	6151.0

Sample Name: mb 280-114568/1-b Acquired: 4/10/2012 1:39:25 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00164**	**-.00072**	**.00049**	**-.00002**	**.00012**	**.00307**	**.00240**	**-.00017**	**.00015**
Stddev	.00024	.00003	.00159	.00002	.00014	.00000	.00009	.00112	.00011	.00023
%RSD	23.647	2.1187	219.20	3.5197	899.72	4.1623	2.9021	46.585	65.558	150.19
#1	.00120	.00166	-.00185	.00047	-.00011	.00012	.00313	.00161	-.00025	-.00001
#2	.00085	.00161	.00040	.00050	.00008	.00011	.00301	.00319	-.00009	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00127**	**.00395**	**.03416**	**.00012**	**.00203**	**.00011**	**-.00006**	**.12922**	**.00023**
Stddev	.00025	.00011	.00161	.01061	.00172	.00028	.00000	.00020	.00355	.00003
%RSD	614.96	8.4164	40.750	31.043	1381.3	13.954	1.7858	323.81	2.7436	13.730
#1	.00021	-.00119	.00509	.02666	-.00109	.00223	.00011	-.00020	.12671	.00020
#2	-.00013	-.00134	.00281	.04166	.00134	.00183	.00011	.00008	.13172	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00053**	F **.03029**	**.00086**	**-.00277**	**.00317**	**.00678**	**-.00086**	**.00002**	**.00059**
Stddev	.00238	.00004	.00155	.00200	.00285	.00317	.00679	.00096	.00004	.00207
%RSD	188.96	7.0924	5.1331	232.93	102.91	100.14	100.14	111.81	205.42	351.45
#1	-.00042	.00055	.03139	-.00055	-.00479	.00541	.01158	-.00154	.00005	-.00088
#2	.00294	.00050	.02919	.00227	-.00076	.00093	.00198	-.00018	-.00001	.00206
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00186**	**-.00549**	**-.00022**	**.00279**	**.00206**
Stddev	.00005	.00144	.01085	.00043	.00025	.00169
%RSD	8.9680	77.589	197.54	196.67	8.9957	81.840
#1	.00051	.00084	.00218	-.00052	.00297	.00326
#2	.00058	.00288	-.01317	.00008	.00261	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4148.1**	**65422.**	**6187.2**
Stddev	15.7	160.	60.1
%RSD	.37923	.24478	.97178
#1	4159.2	65309.	6229.7
#2	4137.0	65535.	6144.7

Sample Name: lcs 280-114568/2-b Acquired: 4/10/2012 1:41:51 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05617**	**1.9482**	**.99401**	**1.0336**	**2.1610**	**.05144**	**2.1385**	**50.372**	**.10411**	**.49571**
Stddev	.00028	.0077	.00018	.0014	.0007	.00036	.0058	.223	.00009	.00116
%RSD	.49238	.39408	.01848	.13228	.03262	.70513	.27270	.44233	.08714	.23442
#1	.05637	1.9427	.99388	1.0346	2.1606	.05119	2.1426	50.214	.10417	.49653
#2	.05598	1.9536	.99414	1.0327	2.1615	.05170	2.1344	50.529	.10404	.49488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20099**	**.26302**	**1.0596**	**54.257**	**1.0537**	**50.930**	**.52558**	**1.0123**	**54.478**	**.50377**
Stddev	.00064	.00139	.0032	.013	.0033	.072	.00077	.0043	.095	.00279
%RSD	.32033	.52852	.30406	.02486	.31362	.14145	.14736	.42821	.17482	.55383
#1	.20144	.26400	1.0573	54.248	1.0513	50.981	.52613	1.0154	54.411	.50574
#2	.20053	.26203	1.0619	54.267	1.0560	50.879	.52503	1.0092	54.545	.50180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.245**	**.48190**	**.03978**	**.49504**	**2.1659**	**10.260**	F **21.956**	**2.0476**	**1.0793**	**.99025**
Stddev	.021	.00115	.00093	.00001	.0005	.067	.143	.0025	.0004	.00083
%RSD	.20646	.23877	2.3337	.00151	.02426	.65213	.65213	.12302	.04001	.08361
#1	10.260	.48271	.03912	.49504	2.1655	10.212	21.854	2.0494	1.0790	.98967
#2	10.230	.48109	.04044	.49505	2.1663	10.307	22.057	2.0459	1.0796	.99084
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0221**	**2.0657**	**2.1812**	**.51942**	**.49587**	**.45365**
Stddev	.0002	.0038	.0101	.00081	.00081	.00829
%RSD	.02362	.18519	.46118	.15645	.16351	1.8271
#1	1.0219	2.0684	2.1884	.52000	.49529	.44779
#2	1.0222	2.0630	2.1741	.51885	.49644	.45951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3935.1**	**61433.**	**6153.8**
Stddev	4.8	175.	30.7
%RSD	.12157	.28495	.49865
#1	3931.7	61557.	6175.5
#2	3938.5	61309.	6132.1

Sample Name: 280-27322-a-1-b Acquired: 4/10/2012 1:44:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.01342**	**-.00351**	**.17860**	**.65598**	**.00006**	**.00434**	**3.4535**	**-.00008**	**-.00072**
Stddev	.00017	.00012	.00469	.00095	.00011	.00001	.00134	.0104	.00016	.00002
%RSD	24.460	.90171	133.78	.53109	.01748	16.738	30.919	.29979	192.92	3.1901
#1	.00057	.01334	-.00019	.17927	.65590	.00006	.00529	3.4608	.00003	-.00070
#2	.00080	.01351	-.00682	.17793	.65607	.00007	.00339	3.4461	-.00020	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00116**	**.68068**	**3.3781**	**.08483**	**.70697**	**.01188**	**.00313**	W **652.69**	**-.00009**
Stddev	.00015	.00012	.00069	.0497	.00048	.00418	.00001	.00093	.45	.00004
%RSD	31.399	10.702	.10107	1.4725	.56850	.59060	.04382	29.714	.06941	49.552
#1	.00058	.00108	.68020	3.3429	.08517	.70402	.01188	.00247	653.01	-.00006
#2	.00037	.00125	.68117	3.4132	.08449	.70993	.01189	.00379	652.37	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05908**	**-.00041**	**.17717**	**-.00180**	**-.00207**	**8.9223**	**19.094**	**.00079**	**.78207**	**.00038**
Stddev	.00147	.00190	.01005	.00047	.00058	.0512	.109	.00169	.00104	.00073
%RSD	2.4937	458.28	5.6743	25.855	28.038	.57340	.57340	214.41	.13315	191.20
#1	.05804	-.00175	.17006	-.00147	-.00248	8.9585	19.171	-.00041	.78133	-.00013
#2	.06012	.00093	.18428	-.00213	-.00166	8.8861	19.016	.00198	.78280	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.00381**	**-.01759**	**-.00013**	**.00754**	**.00085**
Stddev	.00004	.00013	.00382	.00038	.00040	.00029
%RSD	4.0917	3.3758	21.726	299.80	5.3306	34.334
#1	.00093	.00390	-.01489	-.00040	.00726	.00105
#2	.00099	.00371	-.02029	.00014	.00783	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3768.7**	**57325.**	**6053.6**
Stddev	10.8	166.	6.0
%RSD	.28580	.28898	.09850
#1	3761.1	57442.	6057.8
#2	3776.4	57208.	6049.4

Sample Name: 280-27322-a-2-b Acquired: 4/10/2012 1:46:29 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00775**	**.00085**	**.03423**	**.45337**	**.00009**	**.00252**	**5.3382**	**-.00017**	**-.00047**
Stddev	.00028	.00032	.00368	.00136	.00256	.00009	.00226	.0145	.00003	.00012
%RSD	31.603	4.1009	432.13	3.9607	.56562	102.81	89.547	.27145	18.437	24.448
#1	.00069	.00752	.00346	.03327	.45155	.00002	.00092	5.3280	-.00014	-.00039
#2	.00108	.00797	-.00175	.03519	.45518	.00015	.00411	5.3485	-.00019	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00052**	**.59500**	**1.6081**	**.00828**	**1.0046**	**.01007**	**-.00009**	**197.58**	**.00040**
Stddev	.00011	.00001	.00514	.0538	.00140	.0037	.00006	.00006	.98	.00001
%RSD	23.215	2.2726	.86336	3.3445	16.876	.36411	.61834	68.410	.49418	3.0322
#1	.00055	.00052	.59137	1.5700	.00729	1.0020	.01011	-.00004	196.89	.00039
#2	.00039	.00053	.59863	1.6461	.00927	1.0072	.01003	-.00013	198.28	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02905**	**.00003**	**.11933**	**-.00169**	**-.00236**	**6.9674**	**14.910**	**-.00012**	**.34691**	**-.00067**
Stddev	.00038	.00104	.00548	.00180	.00200	.0354	.076	.00051	.00194	.00134
%RSD	1.3226	3738.3	4.5899	106.96	84.834	.50798	.50798	418.97	.56065	199.12
#1	.02932	.00077	.11546	-.00296	-.00094	6.9423	14.857	.00024	.34554	.00027
#2	.02878	-.00071	.12320	-.00041	-.00378	6.9924	14.964	-.00048	.34829	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00302**	**-.00733**	**-.00021**	**.00940**	**.00002**
Stddev	.00002	.00021	.01211	.00018	.00009	.00063
%RSD	3.9794	6.7875	165.11	86.066	.97216	3529.9
#1	.00058	.00288	.00123	-.00008	.00946	.00046
#2	.00055	.00317	-.01589	-.00034	.00933	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4012.9**	**61011.**	**6167.2**
Stddev	109.5	166.	9.7
%RSD	2.7298	.27239	.15743
#1	4090.4	61128.	6174.1
#2	3935.4	60893.	6160.3

Sample Name: 280-27322-a-3-b Acquired: 4/10/2012 1:48:53 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.01671**	**-.00205**	**.17326**	**.31649**	**.00003**	**.00354**	**2.6768**	**-.00013**	**-.00061**
Stddev	.00010	.00007	.00380	.00026	.00131	.00004	.00248	.0073	.00014	.00009
%RSD	10.683	.40286	185.08	.15158	.41437	119.88	69.965	.27360	103.61	14.019
#1	.00106	.01676	.00063	.17345	.31556	.00006	.00179	2.6820	-.00023	-.00067
#2	.00091	.01667	-.00473	.17307	.31742	.00001	.00530	2.6716	-.00004	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.00098**	**1.0157**	**2.3635**	**.06996**	**.34645**	**.01807**	**.00084**	**406.56**	**.00097**
Stddev	.00022	.00004	.0051	.0192	.00175	.00380	.00003	.00015	1.76	.00020
%RSD	19.088	4.4762	.50203	.81268	2.5009	1.0961	.17489	17.705	.43414	21.079
#1	.00130	.00101	1.0121	2.3499	.06872	.34913	.01809	.00094	405.31	.00082
#2	.00099	.00095	1.0193	2.3771	.07120	.34376	.01805	.00073	407.81	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03601**	**.00018**	**.21156**	**-.00312**	**-.00153**	**9.4705**	**20.267**	**-.00098**	**.41527**	**.00060**
Stddev	.00116	.00008	.00279	.00071	.00493	.0472	.101	.00060	.00317	.00119
%RSD	3.2311	44.019	1.3210	22.793	322.26	.49835	.49835	61.136	.76241	199.64
#1	.03683	.00024	.20959	-.00362	-.00502	9.4372	20.196	-.00141	.41303	-.00025
#2	.03518	.00012	.21354	-.00262	.00196	9.5039	20.338	-.00056	.41751	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00346**	**-.00399**	**.00020**	**.01074**	**.00234**
Stddev	.00025	.00033	.00053	.00001	.00018	.00014
%RSD	42.414	9.4716	13.222	2.9553	1.7178	5.7672
#1	.00041	.00323	-.00437	.00019	.01087	.00225
#2	.00076	.00370	-.00362	.00020	.01061	.00244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3836.6**	**58778.**	**6114.2**
Stddev	12.8	179.	26.4
%RSD	.33250	.30498	.43107
#1	3845.6	58651.	6095.6
#2	3827.5	58905.	6132.9

Sample Name: 280-27322-a-3-bSD@5 Acquired: 4/10/2012 1:51:21 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00546**	**.00196**	**.03548**	**.06549**	**.00002**	**.00253**	**.55702**	**-.00002**	**-.00015**
Stddev	.00007	.00039	.00112	.00016	.00047	.00000	.00008	.00561	.00002	.00004
%RSD	7.1190	7.0953	57.105	.46254	.71157	17.674	3.0985	1.0070	104.60	23.405
#1	.00100	.00573	.00117	.03560	.06516	.00002	.00259	.55305	-.00003	-.00018
#2	.00110	.00519	.00275	.03537	.06582	.00002	.00248	.56098	.00000	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00052**	**.21247**	**.58956**	**.01302**	**.07169**	**.00379**	**-.00017**	**84.668**	**.00023**
Stddev	.00002	.00041	.00375	.02225	.00103	.00046	.00005	.00016	.566	.00009
%RSD	5.1172	78.452	1.7658	3.7748	7.8793	.63483	1.3307	95.522	.66792	40.075
#1	.00046	-.00081	.20982	.57382	.01374	.07137	.00383	-.00005	84.268	.00030
#2	.00049	-.00023	.21513	.60530	.01229	.07201	.00376	-.00028	85.068	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00838**	**-.00001**	**.06669**	**-.00109**	**-.00062**	**1.9416**	**4.1550**	**-.00029**	**.08620**	**.00102**
Stddev	.00107	.00232	.00472	.00139	.00314	.0142	.0305	.00010	.00018	.00058
%RSD	12.753	30179.	7.0835	127.26	508.51	.73311	.73311	35.352	.20393	56.783
#1	.00914	-.00165	.07003	-.00011	.00160	1.9315	4.1335	-.00037	.08607	.00061
#2	.00762	.00163	.06335	-.00207	-.00284	1.9517	4.1766	-.00022	.08632	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00121**	**-.01137**	**.00011**	**.00455**	**.00054**
Stddev	.00011	.00048	.02016	.00021	.00017	.00054
%RSD	37.562	39.666	177.29	189.05	3.7865	101.38
#1	.00022	.00156	-.02562	-.00004	.00443	.00015
#2	.00038	.00087	.00288	.00026	.00467	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4003.6**	**61995.**	**6126.3**
Stddev	.5	20.	55.3
%RSD	.01192	.03158	.90328
#1	4003.3	61982.	6165.4
#2	4003.9	62009.	6087.1

Sample Name: 280-27322-a-3-c ms Acquired: 4/10/2012 1:53:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05692**	**1.8812**	**.99374**	**1.1565**	**2.4710**	**.05076**	F **2.0361**	**52.270**	**.10251**	**.48046**
Stddev	.00010	.0070	.00636	.0046	.0149	.00031	.0166	.285	.00060	.00128
%RSD	.18066	.36988	.64048	.39451	.60081	.60347	.81466	.54437	.58885	.26715
#1	.05699	1.8763	.98924	1.1533	2.4605	.05055	2.0244	52.069	.10209	.47955
#2	.05684	1.8861	.99824	1.1597	2.4815	.05098	2.0478	52.471	.10294	.48136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19868**	**.25848**	**2.0896**	**57.137**	**1.1136**	**49.175**	**.54166**	**.98881**	**471.54**	**.49058**
Stddev	.00106	.00054	.0104	.213	.0055	.133	.00002	.00242	1.62	.00219
%RSD	.53105	.20914	.49979	.37193	.49578	.27042	.00443	.24469	.34354	.44663
#1	.19794	.25887	2.0822	56.987	1.1097	49.269	.54165	.98710	470.40	.48903
#2	.19943	.25810	2.0970	57.287	1.1175	49.081	.54168	.99052	472.69	.49213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.282**	**.45347**	**.21183**	**.47669**	**2.1307**	**19.961**	**42.717**	**1.9654**	**1.5035**	**.98362**
Stddev	.058	.00023	.00023	.00024	.0082	.102	.218	.0021	.0073	.00252
%RSD	.56730	.05174	.10625	.05000	.38575	.50991	.50991	.10549	.48456	.25591
#1	10.241	.45364	.21199	.47685	2.1249	19.889	42.563	1.9640	1.4983	.98540
#2	10.323	.45331	.21167	.47652	2.1365	20.033	42.871	1.9669	1.5087	.98184
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0081**	**1.8714**	**2.1359**	**.51816**	**.51287**	**.44407**
Stddev	.0019	.0055	.0012	.00030	.00293	.00365
%RSD	.18384	.29485	.05761	.05880	.57069	.82254
#1	1.0068	1.8675	2.1368	.51794	.51494	.44148
#2	1.0094	1.8753	2.1350	.51838	.51080	.44665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3775.9**	**57744.**	**6075.5**
Stddev	12.8	91.	40.6
%RSD	.33958	.15800	.66781
#1	3785.0	57809.	6104.2
#2	3766.8	57680.	6046.9

Sample Name: 280-27322-a-3-d msd Acquired: 4/10/2012 1:56:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05609**	**1.8741**	**.99441**	**1.1599**	**2.4822**	**.05113**	F **2.0460**	**52.673**	**.10278**	**.48077**
Stddev	.00041	.0227	.00234	.0042	.0324	.00077	.0004	.736	.00053	.00346
%RSD	.73780	1.2111	.23493	.36362	1.3036	1.4999	.01902	1.3970	.51757	.71875
#1	.05580	1.8581	.99275	1.1569	2.5050	.05167	2.0457	53.194	.10241	.47832
#2	.05639	1.8902	.99606	1.1629	2.4593	.05059	2.0463	52.153	.10316	.48321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19872**	**.25732**	**2.0743**	**57.445**	**1.1207**	**48.524**	**.53410**	**.99483**	**463.69**	**.48978**
Stddev	.00190	.00100	.0358	.650	.0182	.116	.00256	.00209	6.90	.00394
%RSD	.95663	.38972	1.7278	1.1309	1.6203	.23881	.47945	.21025	1.4871	.80364
#1	.19737	.25661	2.0996	57.904	1.1335	48.442	.53229	.99335	468.57	.48700
#2	.20006	.25803	2.0489	56.986	1.1078	48.606	.53591	.99631	458.81	.49256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.316**	**.45637**	**.20489**	**.47995**	**2.1344**	**19.905**	**42.596**	**1.9734**	**1.5013**	**.97850**
Stddev	.056	.00889	.00284	.00075	.0023	.302	.645	.0123	.0208	.00056
%RSD	.53992	1.9484	1.3842	.15730	.10658	1.5153	1.5153	.62488	1.3867	.05692
#1	10.277	.45008	.20289	.47942	2.1328	20.118	43.052	1.9647	1.5160	.97811
#2	10.356	.46266	.20690	.48048	2.1360	19.691	42.139	1.9822	1.4866	.97890
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0085**	**1.8743**	**2.1153**	**.51534**	**.50591**	**.45421**
Stddev	.0018	.0107	.0069	.00170	.00243	.00837
%RSD	.18069	.56952	.32533	.33008	.48086	1.8436
#1	1.0072	1.8667	2.1105	.51414	.50419	.46013
#2	1.0098	1.8818	2.1202	.51654	.50763	.44829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3768.3**	**58190.**	**6047.9**
Stddev	14.2	1.	18.0
%RSD	.37692	.00137	.29837
#1	3778.3	58191.	6035.2
#2	3758.2	58190.	6060.7

Sample Name: CCVH-1326164 Acquired: 4/10/2012 1:58:16 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00347**	**51.441**	**.00021**	**.00317**	**.00040**	**.00009**	**.97850**	**-.00578**	**.00000**	**.00040**	**.00118**	**.00415**
Stddev	.00013	.690	.00051	.00035	.00003	.00006	.01097	.00027	.0002	.00027	.00008	.00015
%RSD	3.6966	1.3416	239.94	10.980	7.1235	62.736	1.1216	4.7233	5334.2	67.490	6.4106	3.6034
#1	.00338	50.953	.00057	.00341	.00038	.00005	.97074	-.00598	-.00012	.00058	.00123	.00425
#2	.00356	51.929	-.00015	.00292	.00042	.00014	.98626	-.00559	.00011	.00021	.00113	.00404
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.558**	**.19732**	**-.00156**	**.01061**	**-.00017**	**.00174**	**258.45**	**.00202**	**.00408**	**-.00296**	**4.8341**	**-.00020**
Stddev	.665	.01765	.00000	.00051	.00002	.00099	2.49	.00020	.00016	.00038	.0192	.00194
%RSD	1.2900	8.9439	.25178	4.8014	14.242	56.519	.96365	10.090	3.8168	12.810	.39654	945.76
#1	51.088	.20980	-.00156	.01097	-.00016	.00105	256.69	.00216	.00419	-.00322	4.8206	.00117
#2	52.029	.18484	-.00156	.01025	-.00019	.00244	260.21	.00187	.00397	-.00269	4.8477	-.00158
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00276**	**.00239**	**.00511**	**.00357**	**.00041**	W **4.6953**	**.00300**	**.00042**	**10.293**	**.00286**	**.00186**	**-.18990**
Stddev	.00375	.01524	.03262	.00034	.00003	.0026	.00025	.00091	.002	.00020	.00004	.00052
%RSD	135.76	637.98	637.98	9.5655	7.5302	.05535	8.3688	215.41	.01562	6.9515	2.0807	.27543
#1	-.00542	-.00839	-.01795	.00381	.00043	4.6971	.00282	.00106	10.292	.00272	.00184	-.19027
#2	-.00011	.01317	.02818	.00333	.00039	4.6934	.00318	-.00022	10.294	.00300	.00189	-.18953
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3947.1**	**61138.**	**6134.7**
Stddev	2.3	131.	125.6
%RSD	.05937	.21416	2.0471
#1	3945.4	61231.	6223.5
#2	3948.8	61046.	6045.9

Sample Name: CCV-1343805 Acquired: 4/10/2012 2:00:36 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51578**	**.50685**	**.95141**	**.49366**	**.53627**	**.50153**	**.00015**	**5.0151**	**.49866**	**.49576**	**.49745**	**.50924**	**2.6464**	**53.012**
Stddev	.00065	.00266	.00028	.00084	.00291	.00365	.00107	.0390	.00042	.00000	.00042	.00066	.0225	.233
%RSD	.12551	.52567	.02994	.17014	.54314	.72828	708.89	.77740	.08336	.00011	.08409	.13019	.84845	.44017
#1	.51533	.50873	.95161	.49306	.53833	.50411	-.00060	5.0426	.49836	.49576	.49715	.50877	2.6623	53.177
#2	.51624	.50497	.95121	.49425	.53421	.49895	.00090	4.9875	.49895	.49576	.49774	.50971	2.6305	52.847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0307**	**19.734**	**.51016**	**.49433**	**5.2189**	**.49823**	**.97242**	**.95014**	**.02924**	**.98997**	**1.0237**	**4.9523**	**10.598**	**1.0033**
Stddev	.0060	.016	.00009	.00147	.0361	.00091	.00264	.00462	.00333	.00412	.0004	.0193	.041	.0008
%RSD	.58098	.08201	.01763	.29659	.69128	.18328	.27121	.48615	11.390	.41600	.03991	.39081	.39081	.08386
#1	1.0349	19.723	.51010	.49330	5.2444	.49758	.97055	.94688	.03160	.98706	1.0234	4.9660	10.627	1.0039
#2	1.0265	19.745	.51022	.49537	5.1934	.49888	.97428	.95341	.02689	.99288	1.0240	4.9386	10.569	1.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52897**	**.01302**	**.49065**	**1.0359**	**.02020**	**.50150**	**.48036**	**.47906**
Stddev	.00285	.00095	.00004	.0025	.00372	.00025	.00272	.00469
%RSD	.53844	7.2929	.00830	.23799	18.404	.04902	.56538	.97806
#1	.53098	.01235	.49062	1.0342	.02283	.50167	.47844	.48237
#2	.52695	.01369	.49068	1.0377	.01757	.50132	.48228	.47574
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4031.5**	**63335.**	**6231.9**
Stddev	9.7	280.	1.9
%RSD	.24031	.44190	.03087
#1	4038.3	63137.	6233.3
#2	4024.6	63532.	6230.6

Sample Name: CCB Acquired: 4/10/2012 2:02:48 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00105**	**.00063**	**-.00005**	**.00089**	**.00002**	**.00004**	**-.00100**	**-.00308**	**-.00007**	**-.00012**	**.00007**
Stddev	.00012	.00034	.00213	.00074	.00003	.00000	.00223	.00347	.00005	.00018	.00019
%RSD	11.048	53.404	4138.5	84.052	129.55	13.630	223.08	112.46	73.225	154.29	279.02
#1	.00097	.00039	.00146	.00141	.00000	.00003	-.00258	-.00553	-.00010	-.00025	-.00006
#2	.00113	.00086	-.00156	.00036	.00004	.00004	.00058	-.00063	-.00003	.00001	.00020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00144**	**.00117**	**.09421**	**-.00253**	**-.00074**	**.00004**	**.00104**	F **.18758**	**-.00003**	**.00073**	**.00066**
Stddev	.00002	.00184	.03065	.00055	.00065	.00003	.00037	.00322	.00012	.00077	.00048
%RSD	1.3668	157.63	32.527	21.857	89.042	79.501	35.498	1.7190	425.15	105.06	73.583
#1	-.00146	.00247	.07254	-.00214	-.00120	.00006	.00078	.18530	.00006	.00019	.00100
#2	-.00143	-.00013	.11588	-.00292	-.00027	.00002	.00130	.18986	-.00011	.00127	.00032
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02704**	**.00100**	**-.00148**	**-.00760**	**-.01627**	**.00044**	**-.00003**	**-.00006**	**.00026**	**.00058**	**.01789**
Stddev	.00189	.00160	.00319	.01134	.02427	.00007	.00000	.00020	.00009	.00094	.01086
%RSD	7.0078	159.81	216.25	149.16	149.16	15.432	.64001	322.40	35.980	161.67	60.710
#1	.02570	.00214	.00078	-.01562	-.03343	.00048	-.00003	-.00021	.00019	-.00008	.02556
#2	.02838	-.00013	-.00373	.00042	.00089	.00039	-.00003	.00008	.00033	.00125	.01021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00013**	**.00170**	**-.00036**
Stddev	.00050	.00039	.00023
%RSD	367.85	23.108	63.542
#1	-.00049	.00142	-.00020
#2	.00022	.00198	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4053.5**	**64753.**	**6167.3**
Stddev	5.8	216.	42.7
%RSD	.14255	.33319	.69241
#1	4049.4	64905.	6137.2
#2	4057.6	64600.	6197.5

Sample Name: CCVL1351092 Acquired: 4/10/2012 2:05:13 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01159**	**.10586**	**.01435**	**.09192**	**.01093**	**.00107**	**.10694**	**.20744**	**.00498**	**.01035**	**.01030**	**.01448**	**.11138**
Stddev	.00012	.00089	.00095	.00016	.00001	.00005	.00274	.00437	.00006	.00017	.00008	.00027	.00293
%RSD	1.0773	.84336	6.6099	.16913	.07217	4.6134	2.5600	2.1089	1.1047	1.6154	.78943	1.8598	2.6270
#1	.01168	.10650	.01368	.09203	.01094	.00111	.10500	.21053	.00502	.01047	.01025	.01467	.11344
#2	.01150	.10523	.01502	.09181	.01093	.00104	.10887	.20434	.00494	.01023	.01036	.01429	.10931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3910**	**.01036**	**.20582**	**.01080**	**.01946**	**1.2409**	**.04116**	**2.6848**	**.00919**	**.02162**	F **.00673**	F **.00899**	**.48210**
Stddev	.0331	.00031	.00249	.00011	.00012	.0253	.00019	.0116	.00006	.00050	.00219	.00013	.00536
%RSD	.97575	2.9565	1.2108	1.0014	.60015	2.0375	.45292	.43172	.64399	2.2989	32.522	1.4481	1.1111
#1	3.4144	.01058	.20759	.01088	.01954	1.2588	.04103	2.6930	.00915	.02197	.00828	.00890	.47831
#2	3.3676	.01014	.20406	.01073	.01937	1.2230	.04130	2.6766	.00923	.02127	.00518	.00908	.48589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											-30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0317**	**.10009**	**.01102**	**.01644**	**.01008**	**.01557**	**.04707**	**.01015**	**.02227**	**.01450**
Stddev	.0115	.00054	.00008	.00145	.00027	.00022	.01190	.00057	.00083	.00110
%RSD	1.1111	.54022	.70906	8.8099	2.6812	1.3834	25.291	5.5937	3.7100	7.5657
#1	1.0236	.10047	.01096	.01541	.01027	.01541	.05548	.01055	.02286	.01372
#2	1.0398	.09971	.01108	.01746	.00989	.01572	.03865	.00975	.02169	.01528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4082.5**	**64846.**	**6245.5**
Stddev	17.3	386.	21.8
%RSD	.42384	.59579	.34920
#1	4070.3	64573.	6230.1
#2	4094.7	65119.	6260.9

Sample Name: mb 280-114583/1-a Acquired: 4/10/2012 2:07:37 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00255**	**-.00073**	**.00106**	**.00016**	**.00004**	**-.00107**	**.00639**	**-.00012**	**-.00005**
Stddev	.00021	.00003	.00271	.00012	.00015	.00004	.00053	.00070	.00009	.00013
%RSD	20.053	1.0690	368.45	11.343	90.433	88.270	49.473	10.995	77.705	275.37
#1	.00118	.00257	-.00265	.00114	.00026	.00007	-.00069	.00689	-.00005	.00004
#2	.00089	.00253	.00118	.00097	.00006	.00002	-.00144	.00590	-.00019	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00108**	**.00477**	**.06655**	**-.00026**	**.00131**	**.00114**	**.00008**	**.16106**	**.00023**
Stddev	.00012	.00032	.00021	.02057	.00007	.00126	.00002	.00007	.00207	.00028
%RSD	78.827	29.268	4.3852	30.904	27.050	95.957	1.4841	92.392	1.2859	122.82
#1	.00007	-.00131	.00492	.05200	-.00031	.00220	.00113	.00013	.16252	.00003
#2	.00025	-.00086	.00462	.08109	-.00021	.00042	.00115	.00003	.15959	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00029**	F **.02351**	**.00043**	**-.00360**	**-.00463**	**-.00991**	**-.00006**	**-.00005**	**.00081**
Stddev	.00088	.00032	.00019	.00001	.00117	.00537	.01149	.00115	.00001	.00059
%RSD	105.34	111.29	.79234	2.4543	32.397	115.94	115.94	1802.9	16.140	72.203
#1	.00021	.00006	.02364	.00044	-.00443	-.00843	-.01804	-.00088	-.00004	.00040
#2	.00146	.00051	.02338	.00042	-.00278	-.00083	-.00179	.00075	-.00005	.00123
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00045**	**.00305**	**.00018**	**.00300**	**.00128**
Stddev	.00012	.00097	.02710	.00008	.00036	.00045
%RSD	41.091	214.19	888.91	46.025	11.905	35.149
#1	.00020	.00023	.02221	.00023	.00275	.00160
#2	.00037	-.00114	-.01611	.00012	.00325	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.5**	**66140.**	**6299.7**
Stddev	1.8	206.	20.5
%RSD	.04337	.31156	.32494
#1	4129.3	66285.	6285.2
#2	4131.8	65994.	6314.2

Sample Name: lcs 280-114583/2-a Acquired: 4/10/2012 2:10:03 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05443**	**1.9158**	**.97710**	**.99364**	**2.1480**	**.05101**	**2.1115**	**49.588**	**.10214**	**.49274**
Stddev	.00038	.0019	.00521	.00317	.0083	.00018	.0087	.204	.00036	.00080
%RSD	.70292	.09690	.53293	.31884	.38693	.36263	.41405	.41088	.35141	.16307
#1	.05416	1.9171	.97342	.99140	2.1421	.05088	2.1054	49.444	.10239	.49217
#2	.05470	1.9144	.98078	.99588	2.1538	.05114	2.1177	49.732	.10189	.49331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20028**	**.25889**	**1.0503**	**53.487**	**1.0398**	**49.083**	**.51739**	**1.0102**	**54.057**	**.50101**
Stddev	.00024	.00039	.0046	.251	.0054	.142	.00227	.0021	.245	.00087
%RSD	.11767	.14990	.43407	.46861	.51585	.28990	.43838	.21065	.45272	.17291
#1	.20045	.25861	1.0471	53.310	1.0360	48.982	.51579	1.0087	53.884	.50039
#2	.20011	.25916	1.0535	53.664	1.0436	49.183	.51900	1.0117	54.230	.50162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.015**	**.47659**	**.03052**	**.48478**	**2.0771**	**10.036**	F **21.477**	**2.0153**	**1.0756**	**.97788**
Stddev	.006	.00082	.00020	.00210	.0013	.102	.218	.0035	.0035	.00352
%RSD	.06444	.17104	.64036	.43233	.06401	1.0141	1.0141	.17429	.32832	.35987
#1	10.010	.47602	.03038	.48330	2.0761	9.9641	21.323	2.0128	1.0731	.97539
#2	10.019	.47717	.03066	.48627	2.0780	10.108	21.631	2.0178	1.0781	.98037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0040**	**2.0200**	**2.1714**	**.51118**	**.47845**	**.44990**
Stddev	.0011	.0032	.0142	.00013	.00090	.00028
%RSD	.10836	.15705	.65225	.02517	.18875	.06258
#1	1.0033	2.0222	2.1614	.51109	.47781	.44970
#2	1.0048	2.0177	2.1814	.51127	.47909	.45010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3915.4**	**61685.**	**6307.0**
Stddev	1.6	176.	36.4
%RSD	.04015	.28586	.57757
#1	3916.5	61560.	6332.8
#2	3914.3	61809.	6281.3

Sample Name: 280-27327-a-1-a Acquired: 4/10/2012 2:12:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**1.2403**	**.00092**	**.00870**	**.02730**	**.00006**	**-.00170**	**3.5884**	**.00050**	**.00083**
Stddev	.00029	.0025	.00114	.00036	.00046	.00007	.00017	.0437	.00000	.00001
%RSD	25.482	.20477	124.15	4.1118	1.7030	114.54	9.7160	1.2192	.90303	1.2804
#1	.00092	1.2421	.00172	.00845	.02697	.00011	-.00159	3.5575	.00050	.00082
#2	.00132	1.2385	.00011	.00895	.02763	.00001	-.00182	3.6194	.00051	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**.01886**	**2.7662**	**.31151**	**-.00075**	**.63159**	**.10310**	**.00252**	**1.1406**	**.00512**
Stddev	.00018	.00016	.0382	.01170	.00033	.00098	.00006	.00083	.0094	.00011
%RSD	3.0934	.85066	1.3790	3.7551	43.700	.15471	.06225	32.848	.82619	2.1726
#1	.00584	.01897	2.7392	.30324	-.00098	.63090	.10306	.00193	1.1340	.00520
#2	.00559	.01875	2.7932	.31978	-.00052	.63228	.10315	.00310	1.1473	.00504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05283**	**.02901**	**.97236**	**-.00013**	**-.00246**	**2.7954**	**5.9822**	**.00287**	**.01780**	**.00126**
Stddev	.00073	.00154	.00097	.00149	.00132	.0359	.0768	.00051	.00021	.00017
%RSD	1.3771	5.3055	.10020	1175.1	53.817	1.2832	1.2832	17.647	1.1927	13.058
#1	.05334	.02792	.97167	-.00118	-.00152	2.7701	5.9280	.00251	.01765	.00138
#2	.05231	.03009	.97305	.00093	-.00339	2.8208	6.0365	.00323	.01795	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05242**	**.00013**	**-.00195**	**.00411**	**.34170**	**.00133**
Stddev	.00033	.00085	.00400	.00040	.00141	.00033
%RSD	.62080	640.59	205.31	9.6950	.41242	24.968
#1	.05219	.00073	.00088	.00439	.34071	.00156
#2	.05265	-.00047	-.00478	.00382	.34270	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.9**	**66305.**	**6476.8**
Stddev	8.8	290.	47.8
%RSD	.21301	.43791	.73856
#1	4156.1	66510.	6510.6
#2	4143.6	66100.	6442.9

Sample Name: 280-27327-a-1-aSD@5 Acquired: 4/10/2012 2:14:34 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.27206**	**.00024**	**.00245**	**.00579**	**.00004**	**.00050**	**.75641**	**.00008**	**.00015**
Stddev	.00019	.00018	.00028	.00060	.00012	.00007	.00102	.00916	.00008	.00008
%RSD	17.940	.06480	119.92	24.646	2.0616	184.39	202.34	1.2105	103.05	55.226
#1	.00095	.27219	.00004	.00203	.00571	-.00001	.00122	.76288	.00002	.00009
#2	.00122	.27194	.00044	.00288	.00588	.00009	-.00022	.74993	.00013	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00282**	**.56699**	**.10556**	**-.00074**	**.13106**	**.02144**	**.00013**	**.33351**	**.00130**
Stddev	.00000	.00015	.00173	.00695	.00270	.00194	.00005	.00007	.00686	.00003
%RSD	.03790	5.3468	.30505	6.5802	362.86	1.4808	.24750	55.230	2.0579	2.0313
#1	.00130	.00292	.56821	.11047	.00116	.12969	.02140	.00008	.33837	.00128
#2	.00130	.00271	.56576	.10064	-.00265	.13243	.02148	.00018	.32866	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01184**	**.00728**	**.21889**	**-.00115**	**-.00143**	**.57167**	**1.2234**	**-.00013**	**.00370**	**.00108**
Stddev	.00024	.00010	.00033	.00183	.00105	.00068	.0015	.00046	.00005	.00000
%RSD	2.0358	1.4054	.15016	158.88	73.064	.11933	.11933	358.44	1.3170	.13028
#1	.01201	.00735	.21912	.00014	-.00069	.57119	1.2223	-.00046	.00367	.00108
#2	.01167	.00721	.21866	-.00245	-.00217	.57215	1.2244	.00020	.00374	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01114**	**-.00013**	**-.01864**	**.00074**	**.07416**	**-.00042**
Stddev	.00013	.00045	.00996	.00023	.00083	.00022
%RSD	1.2082	355.98	53.423	31.336	1.1210	52.683
#1	.01104	.00019	-.01160	.00091	.07358	-.00058
#2	.01123	-.00044	-.02569	.00058	.07475	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4158.2**	**65932.**	**6429.0**
Stddev	.5	70.	26.8
%RSD	.01167	.10587	.41645
#1	4157.9	65883.	6410.1
#2	4158.6	65981.	6447.9

Sample Name: 280-27327-a-1-b ms Acquired: 4/10/2012 2:16:58 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05461**	**3.6087**	**.96377**	**.99213**	**2.1671**	**.05037**	F **2.0994**	**52.338**	**.10180**	**.48702**
Stddev	.00086	.0155	.01072	.00994	.0031	.00003	.0147	.106	.00051	.00228
%RSD	1.5677	.42828	1.1120	1.0014	.14295	.06903	.69984	.20309	.49896	.46891
#1	.05522	3.6196	.95619	.98510	2.1693	.05040	2.0890	52.413	.10144	.48540
#2	.05401	3.5977	.97135	.99915	2.1649	.05035	2.1098	52.262	.10216	.48863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20350**	**.27759**	**3.4472**	**53.285**	**1.0369**	**48.737**	**.61092**	**1.0002**	**54.475**	**.49860**
Stddev	.00145	.00013	.0115	.207	.0020	.128	.00259	.0036	.034	.00225
%RSD	.71338	.04635	.33240	.38896	.19446	.26240	.42441	.36096	.06182	.45146
#1	.20248	.27750	3.4553	53.432	1.0384	48.827	.61275	.99768	54.499	.49701
#2	.20453	.27768	3.4391	53.139	1.0355	48.647	.60909	1.0028	54.451	.50019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9279**	**.48979**	**1.0100**	**.47916**	**2.0612**	**13.313**	**28.490**	**1.9843**	**1.0880**	**.96485**
Stddev	.0808	.00337	.0049	.00361	.0096	.031	.067	.0044	.0013	.00074
%RSD	.81410	.68734	.48726	.75395	.46787	.23482	.23482	.22347	.11553	.07682
#1	9.8708	.48741	1.0065	.47661	2.0544	13.335	28.537	1.9812	1.0889	.96538
#2	9.9851	.49218	1.0135	.48172	2.0680	13.291	28.442	1.9875	1.0871	.96433
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0498**	**1.9975**	**2.1856**	**.51144**	**.79706**	**.44048**
Stddev	.0017	.0035	.0089	.00126	.00591	.00133
%RSD	.15897	.17592	.40820	.24680	.74184	.30210
#1	1.0509	1.9950	2.1919	.51234	.80124	.44142
#2	1.0486	2.0000	2.1793	.51055	.79287	.43954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3935.1**	**62396.**	**6435.7**
Stddev	16.0	87.	51.0
%RSD	.40659	.14023	.79323
#1	3946.4	62458.	6399.6
#2	3923.7	62334.	6471.8

Sample Name: 280-27327-a-1-c msd Acquired: 4/10/2012 2:19:07 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05401**	**3.5739**	**.95014**	**.98629**	**2.1432**	**.04995**	F **2.0788**	**51.767**	**.10076**	**.48226**
Stddev	.00016	.0363	.00015	.00059	.0033	.00025	.0065	.194	.00008	.00086
%RSD	.28739	1.0150	.01584	.05992	.15519	.49459	.31169	.37462	.07621	.17829
#1	.05390	3.5483	.95003	.98587	2.1408	.04978	2.0742	51.630	.10070	.48287
#2	.05412	3.5996	.95024	.98670	2.1455	.05013	2.0833	51.904	.10081	.48165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20083**	**.27716**	**3.3557**	**52.643**	**1.0271**	**48.504**	**.60575**	**.99623**	**53.833**	**.49352**
Stddev	.00027	.00176	.0031	.138	.0034	.303	.00179	.00020	.072	.00038
%RSD	.13241	.63375	.09318	.26210	.33067	.62518	.29503	.01999	.13395	.07786
#1	.20102	.27840	3.3579	52.546	1.0247	48.289	.60448	.99637	53.884	.49325
#2	.20064	.27592	3.3535	52.741	1.0295	48.718	.60701	.99609	53.782	.49380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8163**	**.48550**	**.99005**	**.48091**	**2.0424**	**13.198**	**28.243**	**1.9739**	**1.0758**	**.96306**
Stddev	.0208	.00036	.00757	.00107	.0052	.061	.131	.0009	.0022	.00096
%RSD	.21201	.07507	.76489	.22250	.25568	.46410	.46410	.04682	.20114	.09937
#1	9.8015	.48576	.98470	.48015	2.0461	13.154	28.150	1.9746	1.0743	.96374
#2	9.8310	.48524	.99541	.48167	2.0387	13.241	28.336	1.9733	1.0773	.96238
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0520**	**1.9741**	**2.1622**	**.50612**	**.79332**	**.44402**
Stddev	.0010	.0003	.0044	.00018	.00615	.00116
%RSD	.09727	.01378	.20441	.03545	.77585	.26230
#1	1.0512	1.9743	2.1591	.50625	.78896	.44320
#2	1.0527	1.9740	2.1654	.50599	.79767	.44484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3957.4**	**62618.**	**6467.4**
Stddev	5.9	30.	20.0
%RSD	.14792	.04787	.30944
#1	3961.6	62639.	6481.6
#2	3953.3	62597.	6453.3

Sample Name: 280-27329-a-2 Acquired: 4/10/2012 2:21:17 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**1.8996**	**.00353**	**.01768**	**.03986**	**.00017**	**-.00013**	**9.7018**	**.00040**	**.00078**
Stddev	.00003	.0148	.00182	.00014	.00076	.00002	.00194	.1621	.00005	.00016
%RSD	2.9579	.78123	51.686	.76469	1.9051	11.402	1444.2	1.6707	12.893	20.753
#1	.00093	1.8891	.00224	.01758	.04040	.00016	-.00150	9.8164	.00044	.00089
#2	.00097	1.9101	.00482	.01777	.03932	.00018	.00124	9.5872	.00037	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00491**	**.01348**	**2.5790**	**.94227**	**.00107**	**.91723**	**.06477**	**.00313**	**2.0564**	**.00335**
Stddev	.00012	.00077	.0479	.00205	.00186	.00977	.00040	.00101	.0508	.00037
%RSD	2.3979	5.6985	1.8574	.21726	174.51	1.0647	.61635	32.137	2.4714	11.047
#1	.00483	.01402	2.6129	.94083	.00238	.92414	.06505	.00242	2.0924	.00309
#2	.00499	.01294	2.5451	.94372	-.00025	.91033	.06449	.00384	2.0205	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20093**	**.00975**	**1.2932**	**.00125**	**.00056**	**4.6680**	**9.9896**	**.00092**	**.06118**	**.00065**
Stddev	.00142	.00054	.0128	.00094	.00572	.0703	.1504	.00071	.00080	.00016
%RSD	.70768	5.5229	.98732	75.241	1017.0	1.5057	1.5057	76.848	1.3130	24.613
#1	.19992	.01013	1.2842	.00059	.00461	4.7178	10.096	.00042	.06175	.00077
#2	.20193	.00936	1.3022	.00192	-.00348	4.6183	9.8833	.00142	.06061	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08042**	**.00075**	**-.00609**	**.00629**	**.10873**	**.00292**
Stddev	.00179	.00125	.00807	.00027	.00127	.00036
%RSD	2.2301	166.21	132.54	4.2487	1.1673	12.365
#1	.07915	-.00013	-.00038	.00610	.10963	.00266
#2	.08169	.00163	-.01179	.00648	.10784	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4136.2**	**66362.**	**6522.0**
Stddev	43.4	57.	95.7
%RSD	1.0502	.08623	1.4672
#1	4166.9	66321.	6454.3
#2	4105.4	66402.	6589.6

Sample Name: 280-27329-a-3-a Acquired: 4/10/2012 2:23:38 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**3.2092**	**.00375**	**.40801**	**.07641**	**.00011**	**-.00102**	**50.069**	**.00032**	**.00151**
Stddev	.00017	.0325	.00029	.00128	.00084	.00001	.00091	.424	.00011	.00007
%RSD	25.068	1.0129	7.8107	.31298	1.1022	7.2441	89.250	.84681	34.822	4.8142
#1	.00078	3.1862	.00354	.40891	.07582	.00011	-.00166	49.769	.00040	.00146
#2	.00055	3.2322	.00395	.40711	.07701	.00010	-.00038	50.368	.00024	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**.02169**	**4.2541**	**2.4876**	**.00511**	**1.8129**	**.12959**	**.01032**	**5.0592**	**.00592**
Stddev	.00005	.00010	.0381	.0348	.00150	.0139	.00058	.00043	.0573	.00007
%RSD	.41428	.47276	.89598	1.4005	29.292	.76663	.45133	4.1286	1.1322	1.2362
#1	.01087	.02162	4.2271	2.4629	.00617	1.8030	.12918	.01002	5.0187	.00597
#2	.01093	.02177	4.2810	2.5122	.00405	1.8227	.13001	.01062	5.0997	.00587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32691**	**.02177**	**25.259**	**.00188**	**.00056**	**8.0659**	**17.261**	**.00170**	**.24798**	**.00125**
Stddev	.00057	.00090	.047	.00074	.00241	.0788	.169	.00053	.00301	.00037
%RSD	.17540	4.1415	.18487	39.318	428.59	.97701	.97701	31.178	1.2137	29.621
#1	.32651	.02240	25.292	.00240	-.00114	8.0101	17.142	.00133	.24586	.00099
#2	.32732	.02113	25.226	.00136	.00227	8.1216	17.380	.00207	.25011	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13352**	**.00000**	**-.01558**	**.00938**	**.15511**	**.00289**
Stddev	.00253	.00072	.00981	.00024	.00144	.00211
%RSD	1.8955	15491.	62.980	2.5970	.92649	73.056
#1	.13173	.00052	-.00864	.00920	.15409	.00140
#2	.13531	-.00051	-.02252	.00955	.15613	.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.2**	**64908.**	**6640.9**
Stddev	4.1	47.	17.0
%RSD	.10027	.07167	.25604
#1	4066.1	64941.	6652.9
#2	4060.3	64875.	6628.9

Sample Name: 280-27329-a-4-a Acquired: 4/10/2012 2:25:58 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.00150**	**.00022**	**.00109**	**.00014**	**.00006**	**-.00027**	**.00080**	**-.00010**	**.00005**
Stddev	.00015	.00014	.00208	.00004	.00011	.00002	.00002	.00124	.00002	.00001
%RSD	15.777	9.3486	937.12	3.4423	75.193	25.845	5.7398	155.47	16.880	18.920
#1	.00084	.00140	-.00125	.00111	.00022	.00005	-.00025	-.00008	-.00011	.00004
#2	.00105	.00160	.00169	.00106	.00007	.00007	-.00028	.00168	-.00009	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00138**	**.00322**	**.03189**	**-.00118**	**.00087**	**.00009**	**-.00011**	**.12782**	**.00018**
Stddev	.00015	.00009	.00177	.03333	.00203	.00063	.00005	.00034	.00340	.00014
%RSD	1394.3	6.6137	54.883	104.50	171.95	71.798	57.531	303.38	2.6609	78.558
#1	.00012	-.00132	.00447	.00833	-.00262	.00043	.00013	.00013	.12541	.00008
#2	-.00010	-.00145	.00197	.05546	.00026	.00132	.00006	-.00035	.13022	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00195**	**-.00003**	**.01866**	**-.00010**	**-.00154**	**-.00818**	**-.01750**	**.00142**	**.00002**	**.00140**
Stddev	.00166	.00074	.00291	.00046	.00135	.00529	.01132	.00010	.00001	.00078
%RSD	85.253	2400.7	15.615	440.59	87.225	64.687	64.687	7.3456	66.298	55.568
#1	.00312	-.00055	.01660	-.00043	-.00059	-.00444	-.00949	.00149	.00003	.00085
#2	.00077	.00049	.02072	.00022	-.00249	-.01192	-.02550	.00135	.00001	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00139**	**-.02283**	**-.00010**	**.00318**	**.00001**
Stddev	.00007	.00079	.01035	.00019	.00046	.00058
%RSD	23.539	56.786	45.336	191.76	14.581	9313.0
#1	.00024	.00083	-.03015	-.00024	.00351	-.00041
#2	.00033	.00194	-.01551	.00004	.00285	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4147.8**	**66416.**	**6512.1**
Stddev	10.0	510.	2.6
%RSD	.24089	.76856	.04023
#1	4140.8	66055.	6510.2
#2	4154.9	66777.	6514.0

Sample Name: CCVH-1326164 Acquired: 4/10/2012 2:28:24 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**51.526**	**-.00198**	**.00259**	**.00041**	**.00004**	**.99414**	**-.00685**	**-.00014**	**.00012**	**.00104**	**.00445**
Stddev	.00035	.129	.00386	.00025	.00022	.00000	.00324	.00228	.00011	.00013	.00003	.00023
%RSD	10.416	.25104	194.65	9.4705	53.714	8.3051	.32558	33.370	78.136	110.72	2.4960	5.1095
#1	.00309	51.618	.00075	.00241	.00026	.00003	.99643	-.00523	-.00006	.00003	.00102	.00461
#2	.00358	51.435	-.00471	.00276	.00057	.00004	.99185	-.00846	-.00022	.00021	.00105	.00429
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.469**	**.04566**	**-.00010**	**.01101**	**-.00012**	**-.00075**	**259.66**	**.00204**	**.00307**	**-.00253**	**4.8760**	**-.00296**
Stddev	.113	.01752	.00034	.00020	.00011	.00008	.11	.00002	.00089	.00045	.0069	.00019
%RSD	.22048	38.365	332.96	1.8134	89.445	10.021	.04168	.88059	29.146	17.765	.14048	6.3474
#1	51.549	.05805	.00014	.01087	-.00005	-.00081	259.74	.00202	.00243	-.00285	4.8809	-.00283
#2	51.389	.03327	-.00034	.01115	-.00020	-.00070	259.59	.00205	.00370	-.00222	4.8712	-.00310
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00509**	**.00993**	**.02125**	**.00318**	**.00039**	W **4.7331**	**.00326**	**.00030**	**10.484**	**.00275**	**.00147**	**-.19000**
Stddev	.00117	.01491	.03191	.00018	.00001	.0158	.00049	.00209	.015	.00015	.00015	.00134
%RSD	22.963	150.16	150.16	5.7856	1.5570	.33338	14.992	700.92	.14762	5.3954	10.469	.70605
#1	-.00426	-.00061	-.00131	.00331	.00039	4.7219	.00291	-.00118	10.473	.00264	.00137	-.18905
#2	-.00592	.02047	.04381	.00305	.00038	4.7442	.00360	.00177	10.495	.00285	.00158	-.19094
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3974.1**	**62208.**	**6390.2**
Stddev	15.8	281.	36.6
%RSD	.39797	.45219	.57321
#1	3962.9	62407.	6364.3
#2	3985.3	62009.	6416.1

Sample Name: CCV-1343805 Acquired: 4/10/2012 2:30:44 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51053**	**.50517**	**.95485**	**.49358**	**.53294**	**.49825**	**-.00105**	**4.9690**	**.49758**	**.49638**	**.49692**	**.50448**	**2.5973**
Stddev	.00178	.00503	.01395	.00380	.00203	.00028	.00029	.0189	.00393	.00393	.00301	.00430	.0172
%RSD	.34920	.99474	1.4607	.77036	.38081	.05594	27.836	.37984	.78983	.79164	.60576	.85311	.66281
#1	.50927	.50162	.94499	.49090	.53437	.49844	-.00084	4.9823	.49480	.49360	.49479	.50144	2.6095
#2	.51179	.50873	.96471	.49627	.53150	.49805	-.00125	4.9556	.50036	.49916	.49904	.50752	2.5851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.387**	**1.0256**	**19.455**	**.50388**	**.49381**	**5.1357**	**.49793**	**.97425**	**.94974**	**.01609**	**.99585**	**1.0241**	**4.9072**
Stddev	.201	.0010	.142	.00373	.00297	.0068	.00392	.00686	.00811	.00427	.00551	.0069	.0099
%RSD	.38350	.09538	.72899	.74075	.60084	.13305	.78819	.70425	.85346	26.508	.55362	.67649	.20252
#1	52.529	1.0263	19.355	.50124	.49171	5.1405	.49515	.96940	.94401	.01308	.99196	1.0192	4.9142
#2	52.245	1.0249	19.556	.50651	.49590	5.1309	.50070	.97910	.95547	.01911	.99975	1.0289	4.9002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.501**	**.99821**	**.52603**	**.01387**	**.48663**	**1.0304**	**-.00420**	**.49655**	**.47305**	**.48082**
Stddev	.021	.00773	.00187	.00135	.00300	.0031	.00393	.00285	.00331	.00142
%RSD	.20252	.77472	.35571	9.7056	.61670	.29870	93.534	.57334	.70043	.29557
#1	10.516	.99274	.52735	.01292	.48451	1.0282	-.00698	.49453	.47071	.48182
#2	10.486	1.0037	.52471	.01482	.48875	1.0326	-.00142	.49856	.47539	.47981
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4051.8**	**64246.**	**6424.3**
Stddev	32.4	431.	44.6
%RSD	.79967	.67029	.69492
#1	4074.8	64551.	6392.7
#2	4028.9	63942.	6455.9

Sample Name: CCB Acquired: 4/10/2012 2:32:57 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00094**	**.00046**	**-.00411**	**.00071**	**.00002**	**.00003**	**.00027**	**-.00332**	**.00010**	**-.00009**	**-.00005**	**-.00110**
Stddev	.00009	.00000	.00093	.00038	.00003	.00001	.00104	.00044	.00007	.00026	.00022	.00001
%RSD	9.1466	.62684	22.694	53.074	107.04	22.264	380.17	13.308	67.211	302.12	414.47	1.0521
#1	.00088	.00047	-.00476	.00098	.00001	.00003	-.00046	-.00300	.00005	.00010	-.00021	-.00109
#2	.00100	.00046	-.00345	.00044	.00004	.00004	.00101	-.00363	.00015	-.00027	.00010	-.00111
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00183**	**.05284**	**-.00192**	**.00075**	**.00003**	**.00092**	W **.10277**	**.00015**	**.00090**	**.00077**	**.01299**	**.00139**
Stddev	.00047	.00616	.00025	.00268	.00002	.00030	.00449	.00026	.00154	.00007	.00183	.00011
%RSD	25.748	11.652	12.840	359.16	61.368	32.954	4.3719	178.38	171.37	8.4766	14.094	7.5755
#1	.00149	.04849	-.00209	-.00115	.00005	.00071	.09959	.00033	.00199	.00081	.01169	.00147
#2	.00216	.05720	-.00174	.00264	.00002	.00114	.10594	-.00004	-.00019	.00072	.01428	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00278**	**-.00093**	**-.00199**	**.00120**	**-.00003**	**.00033**	W **.00072**	**-.00053**	**-.01510**	**-.00024**	**.00175**	**.00120**
Stddev	.00201	.00644	.01378	.00000	.00002	.00178	.00022	.00242	.00916	.00000	.00066	.00187
%RSD	72.020	693.03	693.03	.26253	57.790	542.37	30.918	457.76	60.652	.22678	37.668	156.21
#1	-.00137	.00363	.00776	.00121	-.00002	.00159	.00056	.00118	-.00863	-.00024	.00129	-.00013
#2	-.00420	-.00548	-.01174	.00120	-.00004	-.00093	.00087	-.00224	-.02158	-.00024	.00222	.00252
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00060					
Low Limit							-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.2**	**64901.**	**6380.3**
Stddev	14.4	380.	44.8
%RSD	.35197	.58585	.70182
#1	4107.4	65170.	6412.0
#2	4087.0	64633.	6348.6

Sample Name: CCVL1351092 Acquired: 4/10/2012 2:35:22 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01139**	**.10418**	**.01438**	**.09129**	**.01089**	**.00103**	**.10770**	**.20217**	**.00490**	**.01023**	**.01022**	**.01420**	**.10562**	**3.3139**
Stddev	.00053	.00025	.00005	.00015	.00016	.00010	.00126	.00311	.00020	.00012	.00002	.00028	.00181	.0010
%RSD	4.6142	.24435	.31512	.16522	1.4332	9.5326	1.1657	1.5383	4.0135	1.2115	.20912	1.9451	1.7129	.02874
#1	.01102	.10436	.01435	.09140	.01100	.00109	.10858	.19997	.00476	.01032	.01023	.01401	.10434	3.3133
#2	.01176	.10400	.01441	.09119	.01078	.00096	.10681	.20437	.00504	.01014	.01020	.01440	.10690	3.3146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01049**	**.19930**	**.01047**	**.01926**	**1.1590**	**.04071**	**2.6717**	**.01024**	**.01338**	**.00874**	**.01135**	**.46487**	**.99483**	**.09889**
Stddev	.00225	.00215	.00027	.00009	.0063	.00023	.0159	.00109	.00440	.00004	.00228	.00027	.00058	.00076
%RSD	21.480	1.0803	2.6138	.48557	.53946	.57648	.59582	10.635	32.924	.41827	20.123	.05876	.05876	.77153
#1	.01209	.19778	.01027	.01932	1.1634	.04054	2.6604	.00947	.01649	.00871	.00973	.46506	.99524	.09835
#2	.00890	.20083	.01066	.01919	1.1546	.04087	2.6829	.01101	.01026	.00876	.01296	.46468	.99441	.09943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01097**	**.01452**	**.00961**	**.01583**	**.05853**	**.00982**	**.02155**	**.01404**
Stddev	.00003	.00100	.00031	.00129	.01651	.00037	.00009	.00101
%RSD	.29756	6.9045	3.2128	8.1755	28.209	3.7284	.41808	7.1896
#1	.01095	.01382	.00939	.01675	.07020	.00956	.02149	.01475
#2	.01099	.01523	.00983	.01492	.04685	.01008	.02161	.01333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4118.1**	**66426.**	**6424.5**
Stddev	10.9	751.	36.4
%RSD	.26380	1.1300	.56694
#1	4125.8	66957.	6450.3
#2	4110.5	65895.	6398.7

Sample Name: lb 280-114426/1-c Acquired: 4/10/2012 2:37:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00409**	**-.00090**	W **.00559**	**.00193**	**.00000**	**.00161**	**.09252**	**-.00016**	**-.00046**
Stddev	.00034	.00031	.00007	.00004	.00000	.00003	.00141	.00156	.00010	.00009
%RSD	28.431	7.4789	7.6134	.72499	.04770	7425.2	87.515	1.6862	63.832	18.808
#1	.00095	.00387	-.00085	.00557	.00193	.00002	.00061	.09142	-.00023	-.00052
#2	.00143	.00431	-.00095	.00562	.00193	-.00002	.00261	.09363	-.00009	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00150**	**.00441**	**.08207**	**-.00206**	**.00527**	**.00010**	**.00005**	**198.33**	**.00019**
Stddev	.00011	.00012	.00095	.04563	.00126	.00192	.00005	.00002	.58	.00006
%RSD	182.41	7.7697	21.533	55.594	61.082	36.536	49.961	32.982	.29403	31.189
#1	-.00002	.00158	.00508	.04981	-.00117	.00391	.00014	.00004	198.74	.00015
#2	.00013	.00142	.00374	.11433	-.00295	.00663	.00007	.00006	197.92	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.00125**	F **.02099**	**.00001**	**-.00225**	F **.01176**	**.02516**	**.00123**	**.00024**	**.00283**
Stddev	.00081	.00070	.00379	.00079	.00224	.00900	.01926	.00015	.00003	.00059
%RSD	37.026	55.452	18.030	11680.	99.505	76.528	76.528	12.406	11.769	20.810
#1	.00162	.00076	.02367	.00057	-.00067	.00540	.01155	.00112	.00022	.00325
#2	.00276	.00175	.01832	-.00055	-.00383	.01812	.03878	.00134	.00026	.00242
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00036**	**-.01843**	**-.00016**	W **.00730**	**.00011**
Stddev	.00011	.00107	.01792	.00012	.00076	.00041
%RSD	21.826	293.80	97.233	74.445	10.393	366.91
#1	.00043	.00112	-.03110	-.00008	.00783	-.00018
#2	.00059	-.00039	-.00576	-.00025	.00676	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3916.2**	**61498.**	**6382.5**
Stddev	16.1	83.	12.8
%RSD	.41087	.13499	.20007
#1	3927.5	61557.	6373.4
#2	3904.8	61440.	6391.5

Sample Name: lcs 280-114426/2-c Acquired: 4/10/2012 2:40:10 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21118	W .37955	.76861	.19024	2.5455	.00970	.39485	9.5410	.22056	.09369
Stddev	.00027	.00015	.00152	.00024	.0142	.00007	.00124	.0313	.00040	.00062
%RSD	.12685	.03851	.19796	.12531	.55713	.71946	.31371	.32750	.18170	.65690
#1	.21137	.37944	.76969	.19007	2.5555	.00975	.39572	9.5631	.22084	.09413
#2	.21099	.37965	.76754	.19041	2.5354	.00965	.39397	9.5189	.22028	.09326
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0296	.46016	.20583	10.371	.19711	F 8.8909	.09882	.19355	F 195.26	.09576
Stddev	.0012	.00126	.00293	.071	.00177	.0188	.00011	.00008	.98	.00031
%RSD	.11948	.27392	1.4225	.68500	.89870	.21146	.10714	.04231	.50166	.32444
#1	1.0305	.46105	.20790	10.421	.19836	8.8776	.09889	.19361	195.95	.09554
#2	1.0287	.45927	.20376	10.321	.19586	8.9042	.09874	.19349	194.57	.09598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9022	1.0073	.02237	.08893	.60318	1.9017	F 4.0697	.38132	.20479	.18515
Stddev	.0045	.0020	.00269	.00003	.00335	.0189	.0405	.00154	.00088	.00103
%RSD	.23575	.20198	12.017	.03843	.55615	.99527	.99527	.40286	.43063	.55641
#1	1.8990	1.0058	.02047	.08891	.60555	1.9151	4.0983	.38023	.20542	.18442
#2	1.9054	1.0087	.02427	.08896	.60081	1.8883	4.0411	.38241	.20417	.18587
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							4.9220			
Low Limit							4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19310	.37508	.41353	.09660	.47927	.08381
Stddev	.00012	.00175	.03209	.00010	.00510	.00059
%RSD	.06214	.46745	7.7588	.10852	1.0649	.70387
#1	.19302	.37384	.43622	.09653	.47566	.08339
#2	.19319	.37632	.39085	.09667	.48288	.08422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3898.9	61662.	6322.8
Stddev	.5	159.	39.7
%RSD	.01268	.25731	.62806
#1	3899.2	61774.	6294.7
#2	3898.5	61549.	6350.9

Sample Name: 280-27298-a-1-e Acquired: 4/10/2012 2:42:28 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**.11608**	**.00637**	W **97.296**	**.00605**	**.00002**	**-.00239**	**1.7001**	**.00349**	**.00015**
Stddev	.00001	.00001	.00236	.659	.00019	.00005	.00007	.0052	.00003	.00015
%RSD	.66299	.01060	37.090	.67732	3.1355	218.34	2.9495	.30721	.92186	102.48
#1	.00151	.11607	.00470	97.762	.00618	.00006	-.00244	1.6964	.00352	.00004
#2	.00152	.11609	.00804	96.830	.00591	-.00001	-.00234	1.7038	.00347	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**.02057**	**.03178**	**1.0648**	**.00940**	**7.0550**	**.02649**	**.00114**	**221.00**	**.00296**
Stddev	.00008	.00020	.00020	.0006	.00163	.0069	.00016	.00007	.26	.00018
%RSD	6.2564	.95074	.61780	.05156	17.370	.09843	.58731	6.4421	.11548	6.2014
#1	.00116	.02071	.03164	1.0644	.01056	7.0501	.02638	.00119	220.82	.00309
#2	.00127	.02043	.03192	1.0652	.00825	7.0599	.02660	.00109	221.18	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **143.68**	**-.00241**	**14.331**	**.01620**	W **-.00950**	**.07602**	**.16268**	**.00649**	**.00640**	**-.00179**
Stddev	.95	.00105	.109	.00191	.00896	.00403	.00863	.00029	.00003	.00103
%RSD	.66266	43.692	.75917	11.790	94.281	5.3048	5.3048	4.4848	.44950	57.720
#1	144.35	-.00166	14.408	.01755	-.01583	.07317	.15658	.00669	.00638	-.00106
#2	143.01	-.00315	14.254	.01485	-.00317	.07887	.16878	.00628	.00642	-.00252
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000				5.0000					
Low Limit	-2.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00491**	**.00171**	**.08110**	**.00117**	W **25.380**	**.00049**
Stddev	.00043	.00186	.02259	.00023	.081	.00031
%RSD	8.8260	108.49	27.850	19.172	.31836	63.109
#1	.00460	.00040	.06513	.00102	25.322	.00027
#2	.00521	.00303	.09707	.00133	25.437	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3890.3**	**61678.**	**6559.8**
Stddev	27.6	170.	28.9
%RSD	.70820	.27520	.44021
#1	3870.8	61558.	6580.2
#2	3909.8	61798.	6539.4

Sample Name: 280-27298-a-1-eSD@5 Acquired: 4/10/2012 2:44:48 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00124	.02523	.00083	W 20.191	.00134	.00007	-.00138	.34641	.00071	-.00011
Stddev	.00006	.00028	.00221	.040	.00014	.00002	.00043	.00654	.00009	.00000
%RSD	4.6977	1.1200	266.98	.19720	10.653	27.143	31.110	1.8866	13.274	3.7411
#1	.00128	.02543	-.00073	20.219	.00124	.00009	-.00107	.35103	.00064	-.00011
#2	.00120	.02503	.00239	20.163	.00144	.00006	-.00168	.34179	.00078	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.00349	.01038	.28519	.00082	1.4779	.00539	.00011	44.823	.00073
Stddev	.00018	.00003	.00068	.01583	.00061	.0015	.00002	.00002	.430	.00014
%RSD	28.818	.75867	6.5288	5.5507	73.535	.09950	.36095	18.021	.95999	19.046
#1	.00074	.00347	.00990	.29638	.00040	1.4789	.00538	.00012	45.127	.00063
#2	.00049	.00351	.01086	.27400	.00125	1.4769	.00541	.00009	44.518	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 31.045	.00068	2.8281	.00302	-.00417	.01554	.03325	.00261	.00131	-.00127
Stddev	.015	.00173	.0067	.00166	.00131	.00807	.01726	.00009	.00008	.00059
%RSD	.04800	254.71	.23725	55.107	31.557	51.911	51.911	3.4985	6.1952	46.283
#1	31.055	-.00054	2.8328	.00419	-.00510	.00983	.02104	.00267	.00136	-.00086
#2	31.034	.00190	2.8234	.00184	-.00324	.02124	.04545	.00254	.00125	-.00169
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00124	.00208	.00565	.00003	5.2116	.00029
Stddev	.00015	.00138	.01791	.00039	.0015	.00182
%RSD	12.281	66.272	316.94	1447.2	.02868	633.69
#1	.00135	.00305	-.00701	-.00025	5.2127	.00157
#2	.00113	.00110	.01831	.00030	5.2105	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4089.9	64916.	6655.4
Stddev	21.9	192.	7.6
%RSD	.53612	.29649	.11492
#1	4074.4	65052.	6650.0
#2	4105.4	64780.	6660.8

Sample Name: 280-27298-a-1-f ms Acquired: 4/10/2012 2:47:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21286	.47874	.77262	W 94.088	2.5554	.00971	F .39856	10.952	.22551	.09440
Stddev	.00098	.00040	.00138	.041	.0227	.00022	.00410	.103	.00029	.00023
%RSD	.46244	.08364	.17859	.04332	.88833	2.2649	1.0280	.94012	.12946	.24438
#1	.21356	.47902	.77165	94.059	2.5715	.00987	.39566	11.025	.22530	.09423
#2	.21217	.47845	.77360	94.117	2.5394	.00956	.40146	10.879	.22571	.09456
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000			10.000			.10000			
Low Limit	-.01000			-.01000			-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0333	.48759	.23005	11.323	.20938	15.623	.12468	.19302	223.43	.09863
Stddev	.0007	.00112	.00491	.128	.00261	.054	.00024	.00010	1.84	.00019
%RSD	.06443	.22967	2.1357	1.1314	1.2454	.34837	.19195	.05059	.82387	.19495
#1	1.0328	.48839	.23353	11.414	.21123	15.662	.12485	.19295	224.73	.09849
#2	1.0337	.48680	.22658	11.233	.20754	15.585	.12451	.19309	222.13	.09876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 140.44	.99249	13.898	.10635	.60056	1.9790	4.2350	.37896	.21187	.13908
Stddev	.04	.00591	.017	.00283	.00207	.0038	.0081	.00193	.00190	.00012
%RSD	.03138	.59518	.12066	2.6579	.34548	.19033	.19033	.50853	.89810	.08361
#1	140.41	.98831	13.910	.10435	.59910	1.9816	4.2407	.38032	.21321	.13899
#2	140.48	.99667	13.886	.10835	.60203	1.9763	4.2293	.37760	.21052	.13916
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000									
Low Limit	-2.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19737	.37243	.49350	.09890	W 24.672	.04488
Stddev	.00022	.00100	.01240	.00004	.036	.00192
%RSD	.11296	.26942	2.5128	.03898	.14572	4.2827
#1	.19753	.37173	.50227	.09888	24.698	.04624
#2	.19722	.37314	.48473	.09893	24.647	.04352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3842.2	60809.	6467.9
Stddev	7.7	51.	73.9
%RSD	.20118	.08331	1.1426
#1	3836.8	60845.	6415.6
#2	3847.7	60773.	6520.2

Sample Name: 280-27298-a-1-g msd Acquired: 4/10/2012 2:49:26 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21908	.49132	.78792	W 96.374	2.6358	.01004	F .40577	11.356	.23137	.09683
Stddev	.00032	.00087	.00120	.475	.0259	.00004	.00240	.052	.00119	.00082
%RSD	.14510	.17674	.15202	.49338	.98371	.36788	.59143	.45390	.51565	.84622
#1	.21931	.49071	.78707	96.710	2.6541	.01007	.40746	11.392	.23221	.09740
#2	.21886	.49194	.78876	96.038	2.6174	.01002	.40407	11.319	.23053	.09625
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000			10.000			.10000			
Low Limit	-.01000			-.01000			-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0627	.50070	.23768	11.766	.21847	16.050	.12808	.19855	230.38	.10125
Stddev	.0004	.00077	.00074	.079	.00131	.029	.00036	.00162	1.95	.00011
%RSD	.04177	.15448	.31290	.67167	.59975	.18319	.28434	.81555	.84463	.11162
#1	1.0630	.50015	.23821	11.822	.21940	16.029	.12783	.19970	231.75	.10133
#2	1.0624	.50124	.23716	11.711	.21755	16.071	.12834	.19741	229.00	.10117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 143.78	1.0205	14.275	.10710	.61616	2.0498	4.3866	.39178	.21806	.14128
Stddev	.43	.0060	.076	.00239	.00129	.0032	.0069	.00198	.00186	.00010
%RSD	.30098	.58691	.53206	2.2310	.20860	.15719	.15719	.50660	.85362	.07417
#1	144.09	1.0247	14.329	.10541	.61525	2.0475	4.3817	.39319	.21938	.14136
#2	143.48	1.0162	14.222	.10879	.61707	2.0521	4.3914	.39038	.21675	.14121
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000									
Low Limit	-2.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20277	.38257	.51353	.10119	W 25.340	.04052
Stddev	.00023	.00277	.00702	.00001	.027	.00292
%RSD	.11242	.72343	1.3663	.00968	.10708	7.2172
#1	.20261	.38452	.51849	.10119	25.321	.03846
#2	.20293	.38061	.50857	.10118	25.359	.04259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3851.1	61037.	6458.3
Stddev	9.2	223.	44.9
%RSD	.23994	.36514	.69599
#1	3844.6	60879.	6426.5
#2	3857.6	61194.	6490.1

Sample Name: CCVH-1326164 Acquired: 4/10/2012 2:51:40 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00395**	**51.474**	**-.00430**	**.14818**	**.00040**	**.00001**	**.99046**	**-.00500**	**-.00008**	**.00022**	**.00099**	**.00388**
Stddev	.00025	.015	.00046	.02160	.00005	.00009	.00780	.00232	.00015	.00009	.00013	.00058
%RSD	6.2257	.02995	10.799	14.574	12.774	1326.3	.78756	46.505	180.64	39.426	13.111	15.008
#1	.00413	51.485	-.00463	.16345	.00044	.00007	.98494	-.00335	.00002	.00028	.00108	.00346
#2	.00378	51.463	-.00397	.13291	.00036	-.00006	.99598	-.00664	-.00019	.00016	.00090	.00429
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.425**	**.14460**	**-.00286**	**.01000**	**-.00006**	**-.00059**	**259.97**	**.00212**	**.02443**	**-.00296**	**4.8994**	**-.00160**
Stddev	.116	.02402	.00065	.00122	.00001	.00036	.73	.00021	.00332	.00016	.0253	.00093
%RSD	.22463	16.612	22.774	12.249	13.171	61.071	.28050	10.133	13.589	5.3442	.51536	57.974
#1	51.343	.16159	-.00240	.00913	-.00005	-.00085	259.45	.00227	.02208	-.00285	4.8816	-.00225
#2	51.506	.12762	-.00332	.01087	-.00006	-.00034	260.48	.00197	.02677	-.00308	4.9173	-.00094
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00549**	**.00965**	**.02065**	**.00296**	**.00043**	W **4.7177**	**.00341**	**.00113**	**10.442**	**.00317**	**.00272**	**-.19065**
Stddev	.00305	.00327	.00699	.00047	.00005	.0065	.00066	.00031	.014	.00061	.00012	.00056
%RSD	55.494	33.863	33.863	15.804	12.402	.13807	19.365	27.766	.13037	19.332	4.4662	.29498
#1	-.00765	.00734	.01570	.00263	.00039	4.7223	.00294	.00091	10.452	.00274	.00280	-.19025
#2	-.00334	.01196	.02559	.00330	.00047	4.7131	.00387	.00135	10.433	.00360	.00263	-.19104
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4002.4**	**62928.**	**6379.9**
Stddev	5.5	153.	1.7
%RSD	.13832	.24239	.02705
#1	4006.4	63036.	6378.7
#2	3998.5	62820.	6381.1

Sample Name: CCV-1343805 Acquired: 4/10/2012 2:54:01 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53603**	**.49994**	**.94150**	F **.56298**	**.53710**	**.50182**	**.00050**	**5.0103**	**.49412**	**.49092**	**.49248**	**.53267**	**2.6122**
Stddev	.03037	.01059	.01518	.00770	.00030	.00171	.00038	.0191	.00984	.01056	.00958	.03192	.0029
%RSD	5.6658	2.1175	1.6119	1.3680	.05524	.34023	76.457	.38090	1.9917	2.1519	1.9445	5.9922	.11012
#1	.51456	.49245	.93077	.55754	.53689	.50302	.00077	5.0238	.48716	.48345	.48571	.51010	2.6101
#2	.55751	.50743	.95223	.56843	.53731	.50061	.00023	4.9968	.50107	.49839	.49925	.55524	2.6142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000									
Range				10.490%									

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.781**	**1.0378**	**20.389**	**.52816**	**.48869**	**5.2105**	**.49409**	**.96338**	**.93602**	**.02693**	**.98446**	**1.0196**	**4.9505**
Stddev	.047	.0012	1.128	.02852	.00965	.0122	.00987	.01934	.02002	.00276	.02103	.0196	.0330
%RSD	.08841	.11075	5.5342	5.4000	1.9744	.23485	1.9982	2.0070	2.1386	10.257	2.1363	1.9265	.66580
#1	52.814	1.0370	19.591	.50799	.48187	5.2191	.48711	.94971	.92187	.02498	.96959	1.0057	4.9738
#2	52.748	1.0386	21.187	.54832	.49551	5.2018	.50107	.97705	.95018	.02889	.99934	1.0335	4.9272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.594**	**.99028**	**.52841**	**.01556**	**.51041**	**1.0281**	**-.01418**	**.52132**	**.49508**	**.48359**
Stddev	.071	.01949	.00026	.00295	.02804	.0170	.02500	.03008	.02650	.00129
%RSD	.66580	1.9681	.04859	18.953	5.4929	1.6525	176.28	5.7707	5.3523	.26626
#1	10.644	.97650	.52823	.01347	.49059	1.0161	-.03186	.50004	.47634	.48268
#2	10.544	1.0041	.52859	.01764	.53023	1.0401	.00350	.54259	.51381	.48450
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4102.0**	**62666.**	**6390.9**
Stddev	78.9	2363.	9.2
%RSD	1.9246	3.7706	.14338
#1	4157.8	64337.	6397.4
#2	4046.2	60996.	6384.5

Sample Name: CCB Acquired: 4/10/2012 2:56:14 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00104**	**.00014**	**.00053**	F **.04590**	**-.00010**	**.00005**	**-.00068**	**-.00150**	**.00003**	**.00003**	**.00004**
Stddev	.00021	.00014	.00082	.00195	.00002	.00002	.00017	.00030	.00007	.00014	.00012
%RSD	20.244	100.60	156.31	4.2421	20.418	41.459	25.218	20.046	204.01	432.50	262.31
#1	.00119	.00024	.00111	.04727	-.00009	.00007	-.00080	-.00128	-.00001	.00013	.00013
#2	.00089	.00004	-.00006	.04452	-.00012	.00004	-.00056	-.00171	.00008	-.00006	-.00004
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00700							
Low Limit	-.00093			-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00154**	**.00008**	**.08073**	**-.00199**	**-.00036**	**.00002**	**.00118**	W **.13341**	**.00020**	**.00311**	**.00075**
Stddev	.00005	.00079	.00540	.00121	.00131	.00006	.00048	.00707	.00010	.00097	.00012
%RSD	3.2981	1021.1	6.6950	60.870	369.13	285.61	40.626	5.3006	48.856	31.221	15.892
#1	-.00157	-.00048	.07691	-.00113	-.00129	.00006	.00084	.12841	.00028	.00243	.00083
#2	-.00150	.00064	.08455	-.00285	.00057	-.00002	.00152	.13841	.00013	.00380	.00066
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01613**	**-.00040**	**-.00138**	**-.02018**	**-.04318**	**.00064**	**.00002**	**-.00071**	**.00048**	**-.00020**	**.01203**
Stddev	.00229	.00112	.00055	.00199	.00425	.00009	.00001	.00121	.00000	.00134	.01287
%RSD	14.216	277.98	40.279	9.8388	9.8388	14.384	54.375	170.27	.73252	655.61	107.05
#1	.01451	-.00119	-.00177	-.01877	-.04017	.00070	.00001	-.00157	.00048	-.00115	.00292
#2	.01775	.00039	-.00098	-.02158	-.04618	.00057	.00003	.00015	.00049	.00074	.02113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00006**	**.00186**	**.00088**
Stddev	.00017	.00033	.00014
%RSD	285.60	17.535	16.219
#1	-.00006	.00163	.00078
#2	.00018	.00209	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4089.0**	**65423.**	**6369.1**
Stddev	6.4	303.	7.5
%RSD	.15631	.46387	.11803
#1	4084.5	65638.	6374.4
#2	4093.5	65209.	6363.8

Sample Name: CCVL1351092 Acquired: 4/10/2012 2:58:39 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01136**	**.10572**	**.01497**	**.12818**	**.01102**	**.00107**	**.10675**	**.20345**	**.00501**	**.01043**	**.01032**	**.01404**	**.10608**	**3.3222**
Stddev	.00004	.00099	.00231	.00058	.00009	.00003	.00102	.00340	.00004	.00004	.00004	.00048	.00049	.0209
%RSD	.38756	.93446	15.411	.45597	.77978	3.1909	.95791	1.6695	.72817	.38994	.33969	3.4277	.46079	.62749
#1	.01132	.10502	.01660	.12859	.01108	.00110	.10603	.20105	.00499	.01040	.01034	.01370	.10643	3.3369
#2	.01139	.10642	.01334	.12777	.01096	.00105	.10748	.20586	.00504	.01045	.01030	.01438	.10574	3.3074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00924**	**.20165**	**.01066**	**.01953**	**1.1942**	**.04148**	**2.6909**	**.00942**	**.01687**	**.00931**	**.01343**	**.46350**	**.99188**	**.09965**
Stddev	.00056	.00134	.00007	.00002	.0042	.00016	.0111	.00095	.00038	.00075	.00280	.00598	.01280	.00048
%RSD	6.0557	.66329	.64196	.11697	.34894	.37813	.41081	10.049	2.2672	8.0555	20.839	1.2905	1.2905	.48486
#1	.00884	.20070	.01061	.01952	1.1913	.04159	2.6831	.01009	.01714	.00878	.01541	.45927	.98283	.09931
#2	.00963	.20260	.01071	.01955	1.1972	.04137	2.6987	.00875	.01660	.00984	.01145	.46773	1.0009	.09999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01102**	**.01602**	**.00976**	**.01747**	**.06737**	**.00995**	**.02098**	**.01423**
Stddev	.00006	.00041	.00042	.00031	.00521	.00040	.00045	.00050
%RSD	.54803	2.5471	4.3267	1.7592	7.7305	4.0218	2.1346	3.5241
#1	.01098	.01573	.00946	.01768	.07105	.01023	.02066	.01388
#2	.01106	.01631	.01006	.01725	.06369	.00967	.02130	.01459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.5**	**65850.**	**6421.8**
Stddev	4.6	177.	36.5
%RSD	.11120	.26832	.56775
#1	4105.2	65975.	6447.6
#2	4111.7	65725.	6396.0

Sample Name: lb 280-114594/1-b Acquired: 4/10/2012 3:01:02 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00310**	**-.00331**	F **.03637**	**.00247**	**.00008**	**-.00025**	W **.12617**	**-.00008**	**-.00031**
Stddev	.00018	.00054	.00139	.00084	.00001	.00000	.00064	.00008	.00018	.00011
%RSD	16.993	17.335	42.058	2.3218	.42167	5.3546	255.14	.06631	237.80	34.029
#1	.00093	.00348	-.00429	.03697	.00248	.00008	.00020	.12611	.00005	-.00039
#2	.00118	.00272	-.00232	.03577	.00247	.00008	-.00071	.12623	-.00021	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.01000				.10000		
Low Limit				-.01000				-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	W **.00521**	**.00336**	**.11209**	**-.00138**	**.00942**	**.00097**	**-.00015**	**196.83**	**-.00005**
Stddev	.00002	.00020	.00035	.00915	.00050	.00079	.00002	.00022	.38	.00018
%RSD	15.987	3.8481	10.424	8.1605	36.499	8.3677	2.1002	151.22	.19185	366.60
#1	.00013	.00535	.00360	.11855	-.00103	.00886	.00098	.00001	197.10	.00008
#2	.00016	.00507	.00311	.10562	-.00174	.00998	.00096	-.00031	196.56	-.00018
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.00500								
Low Limit		-.00500								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**.00080**	F **.01632**	**-.00039**	**-.00455**	F **.01482**	**.03172**	**.00148**	**.00059**	**.00221**
Stddev	.00103	.00025	.00203	.00068	.00481	.01274	.02726	.00042	.00003	.00187
%RSD	32.875	31.822	12.428	174.02	105.61	85.925	85.925	28.595	4.8791	84.527
#1	.00387	.00062	.01776	.00009	-.00115	.02383	.05099	.00118	.00057	.00089
#2	.00241	.00098	.01489	-.00087	-.00795	.00582	.01245	.00178	.00061	.00353
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00176**	**-.00193**	**-.00020**	**.00348**	**.00083**
Stddev	.00008	.00061	.02947	.00028	.00002	.00009
%RSD	20.143	34.351	1525.0	137.64	.64109	11.198
#1	.00035	.00134	.01891	-.00001	.00350	.00077
#2	.00047	.00219	-.02277	-.00040	.00347	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3921.1**	**61751.**	**6430.4**
Stddev	42.7	83.	34.0
%RSD	1.0890	.13427	.52805
#1	3891.0	61809.	6454.5
#2	3951.3	61692.	6406.4

Sample Name: lcs 280-114594/2-b Acquired: 4/10/2012 3:03:28 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21931**	W **.39021**	**.78832**	F **.22218**	**2.6134**	**.01001**	**.40825**	**9.7727**	**.22804**	**.09605**
Stddev	.00011	.00107	.00131	.00009	.0002	.00013	.00383	.0254	.00002	.00013
%RSD	.04935	.27339	.16651	.04110	.00621	1.2685	.93878	.25945	.00707	.13549
#1	.21924	.38946	.78925	.22211	2.6133	.01010	.41096	9.7906	.22805	.09596
#2	.21939	.39097	.78739	.22224	2.6136	.00992	.40554	9.7548	.22803	.09614
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200		.22000						
Low Limit		1.7200		.17800						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0582**	**.48228**	**.21087**	**10.665**	**.20392**	F **9.1893**	**.10282**	**.19814**	F **201.73**	**.09806**
Stddev	.0002	.00182	.00044	.030	.00068	.0010	.00019	.00115	.63	.00008
%RSD	.02122	.37651	.21052	.27985	.33396	.01077	.18663	.58057	.31119	.08329
#1	1.0581	.48356	.21118	10.644	.20344	9.1886	.10295	.19895	202.17	.09812
#2	1.0584	.48100	.21055	10.686	.20440	9.1900	.10268	.19733	201.28	.09801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9549**	**1.0348**	**.02024**	**.09078**	**.62378**	**1.9679**	F **4.2114**	**.38918**	**.21107**	**.19058**
Stddev	.0009	.0009	.00098	.00253	.00224	.0050	.0107	.00087	.00010	.00015
%RSD	.04679	.09121	4.8586	2.7899	.35954	.25401	.25401	.22419	.04566	.07693
#1	1.9542	1.0342	.01955	.09257	.62536	1.9644	4.2038	.38980	.21114	.19047
#2	1.9555	1.0355	.02094	.08899	.62219	1.9715	4.2189	.38857	.21101	.19068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							4.9220			
Low Limit							4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19888**	**.38578**	**.42939**	**.09995**	**.48977**	**.08759**
Stddev	.00003	.00068	.00342	.00001	.00397	.00048
%RSD	.01273	.17504	.79637	.00715	.81034	.54756
#1	.19890	.38626	.42698	.09995	.49258	.08793
#2	.19886	.38530	.43181	.09996	.48697	.08725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3903.9**	**61479.**	**6436.5**
Stddev	1.2	197.	33.6
%RSD	.03076	.32122	.52162
#1	3904.8	61339.	6460.3
#2	3903.1	61618.	6412.8

Sample Name: 280-27378-a-1-b Acquired: 4/10/2012 3:05:44 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.69681**	**-.00033**	**.04166**	**.21541**	**.00016**	**.00254**	**5.9670**	**.00060**	**.00088**
Stddev	.00031	.00131	.00002	.00013	.00021	.00002	.00043	.0123	.00007	.00004
%RSD	32.344	.18753	5.6023	.31856	.09557	12.799	16.871	.20525	12.427	4.8206
#1	.00120	.69589	-.00032	.04175	.21526	.00014	.00284	5.9583	.00054	.00091
#2	.00075	.69774	-.00035	.04156	.21555	.00017	.00224	5.9757	.00065	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00863**	**.00693**	**11.699**	**.19683**	**.00145**	**1.1911**	**.11236**	**.00011**	**185.28**	**.00610**
Stddev	.00014	.00008	.014	.02387	.00034	.0072	.00040	.00010	.10	.00019
%RSD	1.6110	1.1483	.12081	12.127	23.613	.60475	.35182	83.741	.05481	3.1180
#1	.00873	.00699	11.689	.21370	.00121	1.1962	.11264	.00005	185.35	.00597
#2	.00853	.00688	11.709	.17995	.00169	1.1860	.11209	.00018	185.21	.00624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01424**	**.08197**	**.06334**	**-.00165**	**-.00474**	**2.3089**	**4.9411**	**.00126**	**.14911**	**.00041**
Stddev	.00055	.00048	.00097	.00124	.00635	.0117	.0251	.00091	.00009	.00053
%RSD	3.8722	.58837	1.5325	75.099	134.00	.50790	.50790	72.248	.06370	129.91
#1	.01385	.08231	.06266	-.00077	-.00025	2.3172	4.9588	.00062	.14904	.00003
#2	.01463	.08163	.06403	-.00252	-.00923	2.3006	4.9233	.00190	.14917	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01240**	**.00046**	**-.03048**	**.00046**	**.24482**	**.00171**
Stddev	.00007	.00025	.00152	.00019	.00331	.00004
%RSD	.53909	54.791	5.0020	40.960	1.3503	2.0730
#1	.01236	.00028	-.03156	.00060	.24715	.00174
#2	.01245	.00064	-.02940	.00033	.24248	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3951.5**	**62256.**	**6431.4**
Stddev	11.9	286.	12.4
%RSD	.30241	.45976	.19255
#1	3959.9	62053.	6440.2
#2	3943.0	62458.	6422.6

Sample Name: 280-27378-a-1-bSD@5 Acquired: 4/10/2012 3:08:06 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.16193**	**.00093**	**.02431**	**.04436**	**.00013**	**.00120**	**1.2573**	**.00006**	**.00026**
Stddev	.00006	.00039	.00068	.00015	.00016	.00001	.00114	.0104	.00005	.00011
%RSD	5.2096	.24193	72.729	.62255	.35834	4.2091	94.471	.82524	80.038	42.050
#1	.00119	.16220	.00141	.02442	.04425	.00014	.00040	1.2499	.00003	.00034
#2	.00111	.16165	.00045	.02420	.04447	.00013	.00201	1.2646	.00010	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**.00028**	**2.4530**	**.14710**	**-.00111**	**.25941**	**.02368**	**-.00013**	**38.801**	**.00128**
Stddev	.00003	.00006	.0087	.01052	.00083	.00380	.00014	.00004	.239	.00003
%RSD	1.5665	21.476	.35381	7.1520	74.997	1.4640	.58506	29.694	.61643	2.5838
#1	.00211	.00032	2.4468	.15454	-.00052	.25672	.02359	-.00010	38.632	.00126
#2	.00216	.00024	2.4591	.13966	-.00170	.26209	.02378	-.00015	38.970	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00389**	**.01752**	**.04590**	**-.00080**	**.00030**	**.46264**	**.99006**	**-.00005**	**.03067**	**-.00002**
Stddev	.00035	.00106	.00077	.00060	.00161	.00794	.01699	.00026	.00018	.00049
%RSD	9.0081	6.0636	1.6867	75.522	534.87	1.7160	1.7160	522.69	.60055	2208.1
#1	.00365	.01827	.04644	-.00122	.00144	.45703	.97805	-.00023	.03054	.00032
#2	.00414	.01677	.04535	-.00037	-.00084	.46826	1.0021	.00013	.03080	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00278**	**-.00018**	**.00232**	**.00024**	**.05407**	**.00023**
Stddev	.00015	.00074	.03217	.00015	.00107	.00084
%RSD	5.5648	406.37	1385.6	65.167	1.9861	371.88
#1	.00267	.00034	-.02042	.00013	.05331	-.00037
#2	.00289	-.00070	.02507	.00034	.05483	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4068.6**	**63670.**	**6165.4**
Stddev	.6	264.	34.9
%RSD	.01354	.41386	.56658
#1	4069.0	63856.	6190.1
#2	4068.2	63483.	6140.7

Sample Name: 280-27378-a-1-c ms Acquired: 4/10/2012 3:10:29 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21531	1.0398	.77021	.22223	2.7988	.00994	F .39472	15.572	.22196	.09588
Stddev	.00084	.0012	.00213	.00039	.0098	.00002	.00069	.020	.00030	.00003
%RSD	.39050	.11520	.27630	.17485	.34881	.20306	.17385	.13152	.13543	.03484
#1	.21590	1.0389	.77172	.22250	2.8057	.00992	.39424	15.587	.22217	.09591
#2	.21471	1.0406	.76871	.22195	2.7919	.00995	.39521	15.558	.22174	.09586
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0486	.47386	11.586	10.749	.20204	10.428	.21098	.19494	190.75	.10264
Stddev	.0013	.00275	.014	.095	.00464	.029	.00115	.00021	.61	.00023
%RSD	.12548	.57957	.11878	.88083	2.2961	.28245	.54669	.10966	.31866	.22861
#1	1.0495	.47581	11.595	10.816	.20532	10.449	.21180	.19478	191.18	.10281
#2	1.0477	.47192	11.576	10.682	.19876	10.408	.21017	.19509	190.32	.10247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9160	1.0924	.06594	.08840	.60795	4.2189	9.0285	.38687	.35217	.18979
Stddev	.0026	.0055	.00015	.00068	.00496	.0378	.0809	.00004	.00157	.00152
%RSD	.13681	.49981	.23273	.77200	.81659	.89617	.89617	.00909	.44523	.80041
#1	1.9141	1.0962	.06583	.08888	.60444	4.2457	9.0858	.38684	.35328	.19086
#2	1.9178	1.0885	.06605	.08791	.61146	4.1922	8.9713	.38689	.35106	.18872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20991	.38069	.39477	.10027	.73855	.08960
Stddev	.00032	.00369	.04321	.00025	.00037	.00197
%RSD	.15056	.96878	10.946	.24477	.05021	2.1980
#1	.21013	.38329	.36421	.10044	.73881	.09099
#2	.20969	.37808	.42532	.10010	.73829	.08821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3910.9	60624.	6063.5
Stddev	3.2	55.	5.0
%RSD	.08087	.09108	.08248
#1	3908.6	60585.	6067.0
#2	3913.1	60663.	6059.9

Sample Name: 280-27378-a-1-d msd Acquired: 4/10/2012 3:12:44 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20117	.97911	.71863	.20593	2.6239	.00937	F .37024	14.575	.20765	.08992
Stddev	.00023	.00174	.00425	.00033	.0189	.00006	.00186	.121	.00008	.00014
%RSD	.11584	.17743	.59205	.15877	.71994	.64071	.50182	.82930	.03657	.15712
#1	.20100	.98034	.71562	.20616	2.6373	.00941	.37155	14.660	.20760	.09002
#2	.20133	.97788	.72164	.20570	2.6105	.00932	.36892	14.489	.20770	.08982
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98092	.44094	10.856	10.059	.18937	9.7902	.19740	.18268	178.13	.09633
Stddev	.00025	.00038	.077	.048	.00315	.0140	.00015	.00033	1.21	.00060
%RSD	.02564	.08620	.71393	.47631	1.6638	.14254	.07725	.18160	.67904	.62719
#1	.98074	.44067	10.910	10.093	.19160	9.8001	.19750	.18244	178.99	.09590
#2	.98110	.44121	10.801	10.025	.18714	9.7803	.19729	.18291	177.28	.09675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7815	1.0232	.06357	.08235	.56272	3.9559	8.4655	.36274	.33071	.17803
Stddev	.0018	.0006	.00341	.00242	.00056	.0358	.0767	.00210	.00235	.00193
%RSD	.09924	.05534	5.3693	2.9353	.09963	.90553	.90553	.57817	.70952	1.0865
#1	1.7827	1.0236	.06599	.08406	.56233	3.9812	8.5197	.36423	.33236	.17940
#2	1.7802	1.0228	.06116	.08064	.56312	3.9305	8.4113	.36126	.32905	.17666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19687	.35689	.38705	.09416	.68777	.08412
Stddev	.00029	.00174	.00338	.00062	.00468	.00081
%RSD	.14757	.48726	.87441	.66000	.68107	.96345
#1	.19667	.35566	.38944	.09372	.69108	.08469
#2	.19708	.35812	.38466	.09460	.68446	.08354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3925.4	60971.	6147.9
Stddev	8.0	219.	1.7
%RSD	.20489	.35899	.02685
#1	3931.1	60817.	6149.1
#2	3919.7	61126.	6146.7

Sample Name: CCVH-1326164 Acquired: 4/10/2012 3:14:59 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**51.566**	**-.00022**	**.01637**	**.00029**	**.00013**	**.97831**	**-.00279**	**-.00018**	**.00017**	**.00127**	**.00362**
Stddev	.00028	.347	.00196	.00035	.00005	.00005	.00538	.00028	.00001	.00011	.00000	.00011
%RSD	7.5688	.67235	888.02	2.1452	18.861	37.160	.55017	9.9275	3.4896	66.426	.26312	3.0804
#1	.00347	51.811	.00116	.01662	.00033	.00016	.97451	-.00299	-.00018	.00025	.00128	.00354
#2	.00387	51.321	-.00160	.01612	.00025	.00009	.98212	-.00260	-.00017	.00009	.00127	.00370
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.610**	**.12440**	**-.00012**	**.00613**	**-.00009**	**-.00007**	**258.61**	**.00182**	**.00377**	**-.00314**	**4.8097**	**-.00152**
Stddev	.399	.03862	.00142	.00206	.00010	.00025	.88	.00028	.00456	.00129	.0021	.00003
%RSD	.77254	31.046	1138.5	33.648	103.95	340.22	.33840	15.571	120.95	40.997	.04335	1.7862
#1	51.892	.15171	-.00113	.00467	-.00016	-.00025	259.22	.00202	.00700	-.00223	4.8083	-.00154
#2	51.328	.09709	.00088	.00758	-.00002	.00010	257.99	.00162	.00055	-.00405	4.8112	-.00150
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00519**	**.02245**	**.04804**	**.00251**	**.00044**	W **4.7276**	**.00336**	**.00140**	**10.442**	**.00261**	**.00142**	**-.18992**
Stddev	.00359	.00561	.01200	.00088	.00001	.0205	.00029	.00136	.068	.00014	.00038	.00232
%RSD	69.179	24.984	24.984	34.899	2.8340	.43405	8.5560	97.048	.65109	5.1968	27.110	1.2192
#1	-.00773	.01848	.03956	.00189	.00043	4.7421	.00316	.00236	10.490	.00252	.00169	-.19156
#2	-.00265	.02642	.05653	.00313	.00045	4.7130	.00357	.00044	10.394	.00271	.00114	-.18828
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3982.0**	**61596.**	**6168.8**
Stddev	4.7	161.	36.1
%RSD	.11740	.26062	.58498
#1	3985.3	61483.	6143.3
#2	3978.7	61710.	6194.3

Sample Name: CCV-1343805 Acquired: 4/10/2012 3:17:20 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51524**	**.50896**	**.93838**	**.49942**	**.53316**	**.49760**	**.00051**	**4.9945**	**.49286**	**.49458**	**.49559**	**.50787**	**2.6281**	**52.805**
Stddev	.00130	.00019	.00638	.00192	.00010	.00005	.00010	.0119	.00014	.00030	.00045	.00008	.0118	.045
%RSD	.25173	.03662	.67956	.38447	.01889	.00987	19.458	.23811	.02789	.06144	.09074	.01540	.45042	.08608
#1	.51616	.50883	.93387	.49806	.53323	.49756	.00044	4.9861	.49296	.49480	.49591	.50781	2.6197	52.773
#2	.51432	.50909	.94289	.50078	.53309	.49763	.00058	5.0029	.49277	.49437	.49527	.50793	2.6365	52.837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0236**	**19.885**	**.51480**	**.49106**	**5.1476**	**.49633**	**.95930**	**.94295**	**.01268**	**.96894**	**1.0138**	**4.8959**	**10.477**	**1.0019**
Stddev	.0040	.038	.00028	.00057	.0159	.00067	.00070	.00396	.00101	.00039	.0012	.0083	.018	.0019
%RSD	.38933	.19315	.05396	.11673	.30890	.13521	.07296	.42015	7.9638	.03987	.12066	.17016	.17016	.18607
#1	1.0264	19.912	.51500	.49146	5.1589	.49585	.95880	.94575	.01196	.96921	1.0147	4.9018	10.490	1.0006
#2	1.0208	19.857	.51461	.49065	5.1364	.49680	.95979	.94015	.01339	.96866	1.0129	4.8900	10.465	1.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52523**	**.01267**	**.49339**	**1.0277**	**.00606**	**.50492**	**.48632**	**.47656**
Stddev	.00103	.00018	.00028	.0001	.00400	.00071	.00026	.00005
%RSD	.19578	1.4214	.05702	.01243	66.024	.14020	.05364	.01093
#1	.52450	.01280	.49359	1.0278	.00889	.50542	.48614	.47659
#2	.52596	.01254	.49319	1.0277	.00323	.50442	.48651	.47652
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4058.2**	**63352.**	**6217.4**
Stddev	.5	53.	42.5
%RSD	.01331	.08296	.68410
#1	4057.8	63389.	6247.4
#2	4058.5	63315.	6187.3

Sample Name: CCB Acquired: 4/10/2012 3:19:33 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00132	.00007	.00016	F .01341	-.00007	.00013	.00060	-.00187	-.00001	-.00021	.00015
Stddev	.00036	.00020	.00033	.00042	.00001	.00003	.00142	.00077	.00002	.00003	.00005
%RSD	26.965	280.23	203.77	3.1146	14.897	22.346	236.89	41.071	314.00	13.721	33.206
#1	.00107	.00022	-.00007	.01311	-.00008	.00015	-.00040	-.00242	.00001	-.00019	.00018
#2	.00157	-.00007	.00040	.01370	-.00007	.00011	.00160	-.00133	-.00002	-.00023	.00011
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00700							
Low Limit	-.00093			-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00201	.00343	.09860	-.00113	-.00137	.00000	.00096	W .11447	.00010	.00175	.00164
Stddev	.00021	.00041	.00875	.00055	.00027	.0001	.00059	.00058	.00019	.00025	.00014
%RSD	10.206	11.986	8.8718	49.077	19.707	1373.1	61.252	.50943	193.39	14.235	8.6948
#1	-.00216	.00372	.09241	-.00152	-.00118	-.00004	.00054	.11406	.00023	.00157	.00154
#2	-.00187	.00314	.10478	-.00074	-.00156	.00003	.00138	.11488	-.00004	.00192	.00174
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00658	.00191	-.00175	-.00721	-.01543	.00090	-.00001	.00100	.00056	.00011	-.01393
Stddev	.00385	.00092	.00147	.01211	.02591	.00176	.00009	.00034	.00005	.00068	.02511
%RSD	58.461	48.019	84.041	167.89	167.89	196.24	1548.4	33.712	8.4463	594.29	180.21
#1	.00930	.00126	-.00280	-.01577	-.03376	-.00035	-.00007	.00124	.00060	-.00037	.00382
#2	.00386	.00255	-.00071	.00135	.00289	.00215	.00006	.00076	.00053	.00060	-.03169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00006	.00135	.00057
Stddev	.00020	.00006	.00054
%RSD	362.75	4.5606	94.158
#1	.00009	.00140	.00095
#2	-.00020	.00131	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4075.4	64506.	6154.1
Stddev	1.8	42.	45.5
%RSD	.04481	.06555	.73936
#1	4076.7	64476.	6121.9
#2	4074.1	64536.	6186.3

Sample Name: CCVL1351092 Acquired: 4/10/2012 3:21:59 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01152**	**.10591**	F **.01048**	**.10142**	**.01120**	**.00105**	**.10701**	**.20552**	**.00501**	**.01018**	**.01027**	**.01359**	**.10919**
Stddev	.00019	.00001	.00041	.00014	.00016	.00000	.00042	.00053	.00011	.00015	.00021	.00052	.00008
%RSD	1.6745	.00536	3.9509	.13663	1.4144	.25781	.39443	.25852	2.1875	1.4859	2.0759	3.8026	.06996
#1	.01165	.10590	.01077	.10132	.01131	.00105	.10730	.20590	.00508	.01029	.01042	.01396	.10925
#2	.01138	.10591	.01019	.10152	.01109	.00105	.10671	.20514	.00493	.01007	.01012	.01323	.10914
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4061**	**.01036**	**.20140**	**.01074**	**.01947**	**1.1829**	**.04107**	**2.6567**	**.00839**	**.00842**	**.00907**	**.01396**	**.46321**
Stddev	.0015	.00051	.00019	.00005	.00010	.0027	.00032	.0057	.00006	.00139	.00086	.00024	.00666
%RSD	.04534	4.9020	.09270	.51010	.51010	.23005	.77538	.21422	.73463	16.510	9.4337	1.7042	1.4367
#1	3.4072	.01072	.20153	.01078	.01940	1.1848	.04084	2.6527	.00843	.00744	.00968	.01413	.45851
#2	3.4050	.01000	.20127	.01070	.01954	1.1810	.04129	2.6607	.00835	.00941	.00847	.01379	.46792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99127**	**.09984**	**.01100**	**.01528**	**.00973**	**.01668**	**.05836**	**.01020**	**.02124**	**.01594**
Stddev	.01424	.00132	.00002	.00160	.00002	.00188	.00292	.00036	.00003	.00095
%RSD	1.4367	1.3234	.18946	10.498	.21344	11.297	5.0103	3.5707	.15993	5.9625
#1	.98120	.10078	.01102	.01641	.00974	.01801	.05629	.00994	.02122	.01661
#2	1.0013	.09891	.01099	.01414	.00971	.01535	.06043	.01046	.02126	.01527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.7**	**65335.**	**6143.5**
Stddev	9.7	9.	2.7
%RSD	.23670	.01368	.04360
#1	4101.8	65341.	6141.6
#2	4115.5	65328.	6145.4

ICP Data Review Checklist

TALS BATCH NUMBER: 114795 - 114799, 114801		**Earliest due date:** 4/10/12	
Run Date: 4/9/12	**Analyst:** JKH	**Instrument:** 25	
QC programs/Methods Run: 200.7 6010B 6010C			

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH **Date:** 4/10/12

Comments:

2nd Level Reviewer: Yongmin DS **Date:** 4/10/12

Comments:

Sample Name: ICIS Acquired: 4/10/2012 9:29:12 Type: Cal
Method: 6500_025(v15) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00153**	**.00049**	**-.01476**	**-.00021**	**.00063**	**-.00273**	**-.00002**	**-.00052**	**.00466**	**.00050**	**.00009**	**-.00005**	**.00818**
Stddev	.00004	.00001	.00011	.00006	.00005	.00071	.00006	.00023	.00052	.00007	.00014	.00012	.00004
%RSD	2.4079	2.6812	.72432	27.339	7.2563	25.866	313.51	45.041	11.195	13.790	156.48	232.06	.51306
#1	-.00151	.00050	-.01484	-.00025	.00060	-.00223	-.00006	-.00035	.00503	.00045	-.00001	-.00014	.00815
#2	-.00156	.00048	-.01469	-.00017	.00066	-.00323	.00002	-.00068	.00429	.00055	.00019	.00003	.00821

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00011**	**.00048**	**.00238**	**.00277**	**-.00014**	**-.00010**	**-.00001**	**.01002**	**-.00473**	**-.00010**	**.00000**	**-.00028**	**.00018**
Stddev	.00010	.00004	.00037	.00033	.00004	.00000	.00000	.00077	.00254	.00001	.00007	.00021	.00001
%RSD	93.494	8.2787	15.737	11.787	25.129	.38445	15.941	7.6688	53.741	7.5681	5185.5	74.837	4.9035
#1	-.00004	.00051	.00264	.00254	-.00017	-.00010	-.00001	.00947	-.00293	-.00011	.00005	-.00013	.00018
#2	-.00018	.00046	.00211	.00301	-.00012	-.00010	-.00001	.01056	-.00652	-.00010	-.00005	-.00043	.00019

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00078**	**.00036**	**.00075**	**.00075**	**.00000**	**-.00087**	**-.00013**	**-.00022**	**-.00007**	**-.00011**	**.00013**	**.00002**	**-.00083**
Stddev	.00015	.00020	.00009	.00009	.0001	.00034	.00000	.00013	.00001	.00002	.00007	.00001	.00048
%RSD	18.593	56.761	12.639	12.639	2497.5	39.204	3.3430	60.177	18.108	16.666	55.774	48.291	58.627
#1	.00068	.00021	.00068	.00068	.00005	-.00111	-.00013	-.00013	-.00007	-.00010	.00008	.00001	-.00117
#2	.00089	.00050	.00081	.00081	-.00005	-.00063	-.00013	-.00031	-.00006	-.00012	.00018	.00002	-.00048

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4099.4**	**64031.**	**6215.5**
Stddev	9.6	226.	7.0
%RSD	.23442	.35293	.11321
#1	4092.6	63871.	6210.6
#2	4106.2	64191.	6220.5

Sample Name: ICAL1 Acquired: 4/10/2012 9:31:38 Type: Cal
Method: 6500_025(v15) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.28236**	**.20220**	**.07252**	**.28626**	**5.5515**	**6.9085**	**1.7413**	**1.5244**	**.90134**	**.89847**	**.34873**	**.62625**	**3.7692**	**1.4677**
Stddev	.00190	.00147	.00058	.00323	.0758	.0733	.0206	.0126	.00637	.00735	.00205	.00687	.0495	.0164
%RSD	.67358	.72882	.80192	1.1272	1.3650	1.0606	1.1819	.82814	.70630	.81752	.58669	1.0974	1.3142	1.1137
#1	.28102	.20116	.07211	.28398	5.4979	6.8567	1.7268	1.5155	.89684	.89328	.34728	.62139	3.7342	1.4561
#2	.28371	.20324	.07294	.28854	5.6051	6.9603	1.7559	1.5333	.90584	.90367	.35017	.63111	3.8042	1.4792

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.0354**	**1.1685**	**.44512**	**1.2893**	**.67192**	**.08740**	**.44247**	**.19842**	**.06711**	**.28702**	**.28702**	**.17917**	**10.745**	**.38540**
Stddev	.0105	.0100	.00356	.0147	.00474	.00084	.00320	.00181	.00000	.00213	.00213	.00157	.149	.00329
%RSD	1.0109	.85209	.79906	1.1392	.70556	.95771	.72285	.91290	.00030	.74230	.74230	.87462	1.3898	.85356
#1	1.0280	1.1614	.44260	1.2789	.66857	.08680	.44021	.19713	.06711	.28551	.28551	.17806	10.640	.38308
#2	1.0428	1.1755	.44763	1.2997	.67527	.08799	.44473	.19970	.06711	.28853	.28853	.18028	10.851	.38773

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.15002**	**.25028**	**.02601**	**.29598**
Stddev	.00119	.00261	.00035	.00424
%RSD	.79279	1.0436	1.3444	1.4322
#1	.14918	.24843	.02577	.29298
#2	.15086	.25213	.02626	.29898

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3962.2**	**61456.**	**6176.9**
Stddev	24.0	679.	36.8
%RSD	.60615	1.1055	.59629
#1	3979.2	61936.	6203.0
#2	3945.2	60975.	6150.9

Sample Name: ICAL2 Acquired: 4/10/2012 9:33:49 Type: Cal
Method: 6500_025(v15) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.2684**	**.24298**	**.64668**	**2.3126**	**.29655**	**.53331**	**.13209**
Stddev	.0726	.00226	.01037	.0336	.00334	.00217	.00069
%RSD	1.7002	.93102	1.6042	1.4552	1.1278	.40624	.52340
#1	4.2171	.24138	.63935	2.2888	.29419	.53484	.13258
#2	4.3197	.24458	.65402	2.3364	.29892	.53178	.13160

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3833.4**	**59440.**	**6290.0**
Stddev	26.0	282.	72.4
%RSD	.67870	.47484	1.1517
#1	3851.8	59240.	6341.2
#2	3815.0	59639.	6238.8

Sample Name: S1-1351344 Acquired: 4/10/2012 9:36:56 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99747**	**1.0020**	**2.0158**	**1.0045**	**.99796**	**.99325**	**-.00476**	**9.9332**	**1.0053**	**1.0047**	**1.0067**	**.99399**	**4.9854**
Stddev	.03484	.0020	.0017	.0006	.00070	.00224	.00100	.0265	.0003	.0004	.0002	.03489	.0055
%RSD	3.4929	.20151	.08639	.05459	.07057	.22546	20.967	.26675	.02964	.03985	.02122	3.5100	.10954
#1	1.0221	1.0006	2.0171	1.0049	.99846	.99484	-.00546	9.9520	1.0055	1.0044	1.0069	1.0187	4.9816
#2	.97283	1.0034	2.0146	1.0041	.99746	.99167	-.00405	9.9145	1.0051	1.0050	1.0066	.96932	4.9893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.517**	**1.9896**	**39.847**	**.99882**	**1.0080**	**10.040**	**10.448**	**1.0041**	**2.0092**	**1.9969**	**.00543**	**2.0041**	**2.0029**
Stddev	.063	.0024	1.470	.03507	.0026	.025	.090	.0009	.0033	.0001	.00470	.0007	.0004
%RSD	.06309	.11862	3.6890	3.5112	.25465	.24919	.85788	.08671	.16360	.00426	86.582	.03569	.01853
#1	99.562	1.9912	40.886	1.0236	1.0099	10.057	10.385	1.0048	2.0069	1.9969	.00210	2.0036	2.0026
#2	99.473	1.9879	38.807	.97402	1.0062	10.022	10.512	1.0035	2.0115	1.9970	.00875	2.0046	2.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9633**	**21.321**	**2.0148**	**.99565**	**-.00390**	**.99680**	**2.0092**	**.01310**	**.99622**	**.99699**	**.99656**
Stddev	.0271	.058	.0014	.00016	.00099	.03639	.0024	.01077	.03605	.03512	.00214
%RSD	.27227	.27227	.07063	.01616	25.290	3.6506	.11952	82.258	3.6186	3.5227	.21488
#1	9.9441	21.280	2.0138	.99577	-.00320	1.0225	2.0075	.02071	1.0217	1.0218	.99807
#2	9.9825	21.362	2.0158	.99554	-.00459	.97107	2.0109	.00548	.97073	.97216	.99505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3943.0**	**61601.**	**6239.6**
Stddev	4.1	1882.	11.3
%RSD	.10364	3.0557	.18147
#1	3945.9	60270.	6231.6
#2	3940.1	62932.	6247.7

Sample Name: S2-1351955 Acquired: 4/10/2012 9:39:07 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00436	101.29	-.00068	.00420	.00096	.00046	2.0358	-.00220	.00014	.00094	.00133	.01195	101.14
Stddev	.00047	.64	.00723	.00022	.00007	.00000	.0402	.00087	.00005	.00019	.00015	.00003	.67
%RSD	10.825	.63370	1059.3	5.2812	7.2178	.50560	1.9736	39.544	36.185	20.316	11.063	.28928	.66220
#1	.00469	101.74	.00443	.00436	.00092	.00046	2.0642	-.00159	.00017	.00107	.00143	.01197	101.62
#2	.00402	100.83	-.00579	.00404	.00101	.00046	2.0074	-.00282	.00010	.00080	.00122	.01192	100.67
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23802	.00304	.04962	.00038	.00080	508.28	.00379	.00508	-.00360	10.114	.00120	.00316	.04569
Stddev	.00564	.00001	.00020	.00004	.00097	3.48	.00033	.00083	.00218	.201	.00002	.00204	.00446
%RSD	2.3712	.44321	.40193	11.371	121.79	.68392	8.7722	16.407	60.500	1.9880	1.8787	64.624	9.7568
#1	.24201	.00303	.04976	.00035	.00011	510.74	.00355	.00567	-.00206	10.257	.00119	.00171	.04884
#2	.23403	.00305	.04948	.00041	.00148	505.82	.00402	.00449	-.00514	9.9722	.00122	.00460	.04254
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09778	.00606	.00113	9.8782	.00136	-.00219	19.907	.00717	-.00055	.03434
Stddev	.00954	.00091	.00002	.0218	.00022	.00028	.036	.00061	.00007	.00266
%RSD	9.7568	15.066	1.4541	.22064	15.867	12.887	.18272	8.5672	13.171	7.7588
#1	.10453	.00542	.00112	9.8628	.00121	-.00239	19.881	.00674	-.00050	.03623
#2	.09104	.00671	.00114	9.8936	.00152	-.00199	19.933	.00761	-.00060	.03246
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3799.4	59694.	6256.4
Stddev	54.5	237.	29.8
%RSD	1.4332	.39659	.47677
#1	3760.9	59861.	6235.3
#2	3837.9	59526.	6277.5

Sample Name: ICVH-1338471 Acquired: 4/10/2012 9:42:11 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**40.334**	**-.00064**	**.00184**	**.00038**	**-.00003**	W **.53074**	**38.350**	**.00006**	**.00090**	**.00121**	**.00428**
Stddev	.00024	.006	.00279	.00021	.00007	.00002	.00459	.089	.00018	.00001	.00009	.00002
%RSD	17.870	.01524	436.63	11.263	17.643	89.294	.86545	.23307	301.72	.78560	7.8125	.42429
#1	.00120	40.329	.00133	.00169	.00042	-.00004	.53398	38.413	.00019	.00091	.00127	.00427
#2	.00154	40.338	-.00261	.00198	.00033	-.00001	.52749	38.287	-.00007	.00090	.00114	.00430
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**79.664**	**.09981**	**.00082**	**.01611**	**.00061**	**-.00077**	**41.382**	**.00086**	**.00327**	**.00038**	**3.8670**	**-.00404**
Stddev	.018	.00310	.00111	.00131	.00006	.00007	.209	.00018	.00023	.00003	.0108	.00233
%RSD	.02213	3.1038	134.99	8.1054	10.265	8.6227	.50491	21.546	7.1491	7.0264	.27925	57.710
#1	79.677	.10200	.00161	.01518	.00057	-.00072	41.529	.00073	.00343	.00040	3.8746	-.00569
#2	79.652	.09762	.00004	.01703	.00066	-.00082	41.234	.00099	.00310	.00036	3.8593	-.00239
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.00503**	**.01076**	**.00271**	**.00045**	**2.9444**	**.00041**	**.00168**	**5.0271**	**.00237**	**2.4817**	**.01096**
Stddev	.00162	.00672	.01439	.00016	.00002	.0198	.00001	.00140	.0079	.00007	.0129	.00261
%RSD	151.28	133.70	133.70	5.7268	3.6710	.67067	2.0972	83.723	.15699	2.9897	.51911	23.772
#1	-.00222	.00027	.00059	.00282	.00044	2.9305	.00040	.00267	5.0216	.00242	2.4908	.01281
#2	.00007	.00978	.02093	.00260	.00046	2.9584	.00041	.00068	5.0327	.00232	2.4726	.00912
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4049.9**	**62841.**	**6367.0**
Stddev	13.5	146.	36.3
%RSD	.33326	.23268	.57003
#1	4040.3	62944.	6341.4
#2	4059.4	62737.	6392.7

Sample Name: ICV-1332160 Acquired: 4/10/2012 9:45:58 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24572**	**.25878**	**.24518**	**.24437**	**.24773**	**.23940**	**-.00213**	**1.9723**	**.24715**	**.24769**	**.24866**	**.24962**	**.25081**
Stddev	.00129	.00123	.00224	.00157	.00026	.00060	.00159	.0044	.00052	.00022	.00143	.00159	.00109
%RSD	.52672	.47454	.91316	.64132	.10620	.25243	74.763	.22447	.21155	.08881	.57455	.63550	.43513
#1	.24481	.25791	.24676	.24326	.24755	.23898	-.00325	1.9691	.24678	.24753	.24765	.24849	.25158
#2	.24664	.25965	.24360	.24548	.24792	.23983	-.00100	1.9754	.24752	.24785	.24967	.25074	.25004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.944**	**.25407**	**9.7086**	**.24773**	**.24280**	**2.0489**	**.24989**	**1.9081**	**.25280**	**.00301**	**.24211**	**.49172**	**1.9615**
Stddev	.041	.00141	.0694	.00150	.00174	.0057	.00043	.0045	.00093	.00354	.00158	.00530	.0108
%RSD	.20610	.55595	.71524	.60733	.71751	.27796	.17042	.23588	.36693	117.82	.65285	1.0772	.54878
#1	19.973	.25307	9.6595	.24667	.24156	2.0529	.24959	1.9113	.25346	.00050	.24323	.48798	1.9539
#2	19.915	.25507	9.7577	.24880	.24403	2.0449	.25019	1.9049	.25215	.00551	.24100	.49547	1.9691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1976**	**.49784**	**.24652**	**-.00046**	**.24199**	**.52235**	**.00550**	**.24342**	**.24147**	**.23851**
Stddev	.0230	.00419	.00057	.00007	.00226	.00098	.01144	.00227	.00078	.00016
%RSD	.54878	.84063	.23151	16.133	.93576	.18809	207.90	.93388	.32480	.06587
#1	4.1813	.49488	.24612	-.00041	.24039	.52304	.01360	.24181	.24092	.23862
#2	4.2139	.50080	.24693	-.00051	.24359	.52165	-.00259	.24503	.24203	.23839
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.0**	**63908.**	**6255.9**
Stddev	3.9	285.	28.4
%RSD	.09545	.44641	.45396
#1	4036.2	64110.	6276.0
#2	4041.7	63706.	6235.8

Sample Name: ICVL-1351092 Acquired: 4/10/2012 9:48:32 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.10855**	**.01740**	**.09765**	**.01016**	**.00093**	**.11069**	**.20189**	**.00527**	**.01052**	**.01041**	**.01528**	**.09882**
Stddev	.00047	.00020	.00057	.00076	.00001	.00002	.00358	.00081	.00003	.00018	.00003	.00034	.00065
%RSD	4.3851	.18741	3.2977	.77448	.13305	1.9535	3.2317	.40104	.54949	1.7298	.31412	2.2009	.66154
#1	.01039	.10840	.01781	.09712	.01015	.00092	.11322	.20132	.00529	.01039	.01039	.01504	.09836
#2	.01105	.10869	.01700	.09819	.01017	.00095	.10816	.20246	.00525	.01065	.01043	.01552	.09928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0896**	**.01109**	**.21356**	**.01038**	**.02000**	**1.0744**	**.04151**	**2.8512**	**.01151**	**-.00220**	**.00906**	**.01061**	**.48079**
Stddev	.0140	.00007	.00446	.00011	.00016	.0115	.00024	.0001	.00087	.00191	.00053	.00582	.02254
%RSD	.45326	.58626	2.0881	1.0589	.81621	1.0686	.56723	.00200	7.5336	86.790	5.8568	54.891	4.6871
#1	3.0797	.01104	.21040	.01030	.02012	1.0662	.04134	2.8513	.01212	-.00356	.00944	.00649	.46486
#2	3.0995	.01113	.21671	.01046	.01988	1.0825	.04168	2.8512	.01090	-.00085	.00869	.01473	.49673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0289**	**.10131**	**.01010**	**.01408**	**.00973**	**.01546**	F **.09314**	**.01021**	**.02134**	**.01398**
Stddev	.0482	.00098	.00019	.00183	.00014	.00068	.02111	.00069	.00109	.00138
%RSD	4.6871	.96275	1.8376	12.959	1.4021	4.3691	22.661	6.7873	5.0889	9.8371
#1	.99480	.10062	.00997	.01537	.00982	.01498	.07822	.00972	.02057	.01496
#2	1.0630	.10200	.01023	.01279	.00963	.01594	.10807	.01070	.02211	.01301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4086.7**	**64835.**	**6371.1**
Stddev	10.6	348.	14.5
%RSD	.25964	.53718	.22737
#1	4079.2	65082.	6381.3
#2	4094.2	64589.	6360.8

Sample Name: CCVH-1351956 Acquired: 4/10/2012 9:51:26 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**50.637**	**-.00187**	**.00120**	**.00043**	**.00002**	**1.0383**	**-.00866**	**-.00002**	**.00018**	**.00031**	**.00658**	**50.599**
Stddev	.00074	.296	.00270	.00009	.00004	.00005	.0029	.00108	.00005	.00001	.00013	.00001	.457
%RSD	41.096	.58461	144.28	7.4297	9.4090	311.48	.27905	12.422	253.10	4.3163	41.628	.17919	.90287
#1	.00233	50.846	-.00379	.00113	.00040	.00005	1.0403	-.00790	-.00006	.00019	.00040	.00659	50.922
#2	.00128	50.427	.00004	.00126	.00046	-.00002	1.0362	-.00942	.00002	.00018	.00022	.00658	50.276
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03233**	**.00214**	**.01918**	**.00002**	**-.00039**	**255.79**	**.00144**	**.00131**	**-.00275**	**5.0345**	**-.00491**	**.00038**	**.00841**
Stddev	.00958	.00039	.00010	.00002	.00006	1.13	.00011	.00124	.00018	.0016	.00155	.00167	.00503
%RSD	29.622	18.320	.53284	111.28	15.040	.44337	7.7753	95.128	6.5523	.03173	31.666	436.40	59.798
#1	.02556	.00241	.01910	.00000	-.00035	256.59	.00136	.00219	-.00288	5.0357	-.00601	.00157	.00486
#2	.03910	.00186	.01925	.00003	-.00043	254.99	.00152	.00043	-.00262	5.0334	-.00381	-.00080	.01197
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01801**	**.00218**	**.00038**	**5.0090**	**.00054**	**-.00025**	**10.042**	**.00330**	**.00076**	**.01243**
Stddev	.01077	.00044	.00001	.0594	.00014	.00202	.098	.00024	.00050	.00139
%RSD	59.798	20.164	1.6626	1.1866	26.392	804.45	.97860	7.1785	65.936	11.211
#1	.01039	.00250	.00038	5.0510	.00044	.00118	10.111	.00347	.00111	.01144
#2	.02562	.00187	.00037	4.9670	.00064	-.00168	9.9724	.00313	.00040	.01341
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3953.1**	**60957.**	**6432.6**
Stddev	13.3	149.	68.0
%RSD	.33633	.24474	1.0574
#1	3962.5	60851.	6384.5
#2	3943.7	61062.	6480.7

Sample Name: CCV-1351954 Acquired: 4/10/2012 9:53:46 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51110**	**.51909**	**1.0201**	**.52275**	**.50155**	**.49651**	**-.00146**	**4.9859**	**.51343**	**.50924**	**.50411**	**.50688**
Stddev	.00587	.00011	.0018	.00257	.00146	.00167	.00182	.0293	.00102	.00075	.00010	.00789
%RSD	1.1492	.02164	.17328	.49119	.29020	.33613	124.33	.58735	.19771	.14686	.01999	1.5557
#1	.50695	.51901	1.0213	.52094	.50052	.49533	-.00275	4.9652	.51271	.50871	.50404	.50130
#2	.51525	.51917	1.0188	.52457	.50257	.49769	-.00018	5.0066	.51414	.50976	.50418	.51245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4996**	**50.119**	**1.0079**	**20.186**	**.50095**	**.50112**	**5.0651**	**.50994**	**1.0240**	**1.0288**	**.00079**	**1.0280**
Stddev	.0066	.056	.0018	.191	.00627	.00089	.0311	.00026	.0016	.0006	.00224	.0038
%RSD	.26467	.11098	.17455	.94417	1.2515	.17681	.61378	.05057	.15764	.06177	282.20	.36678
#1	2.4949	50.080	1.0067	20.051	.49651	.50175	5.0432	.51012	1.0251	1.0293	-.00079	1.0306
#2	2.5043	50.159	1.0092	20.321	.50538	.50049	5.0871	.50976	1.0229	1.0284	.00237	1.0253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0437**	**4.9610**	**10.616**	**1.0178**	**.49925**	**-.00298**	**.49832**	W **1.0518**	**.01142**	**.49783**	**.50227**	**.49294**
Stddev	.0052	.0005	.001	.0051	.00198	.00139	.00690	.0042	.02472	.00696	.00594	.00212
%RSD	.49318	.00919	.00919	.50428	.39605	46.525	1.3853	.40069	216.45	1.3984	1.1829	.43072
#1	1.0474	4.9613	10.617	1.0141	.49786	-.00397	.49344	1.0488	-.00606	.49291	.49807	.49144
#2	1.0401	4.9607	10.616	1.0214	.50065	-.00200	.50320	1.0548	.02890	.50276	.50647	.49444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
Value								1.0000				
Range								5.0000%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.1**	**63190.**	**6387.9**
Stddev	8.2	552.	10.5
%RSD	.20360	.87327	.16493
#1	4028.9	63580.	6380.4
#2	4017.3	62800.	6395.3

Sample Name: ICB Acquired: 4/10/2012 9:55:59 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00060**	**.00344**	**.00060**	**.00009**	**.00002**	**-.00001**	**.00245**	**.00017**	**.00010**	**.00011**	**.00051**
Stddev	.00007	.00015	.00591	.00002	.00004	.00003	.00060	.00040	.00026	.00003	.00011	.00004
%RSD	24.328	25.262	171.90	3.8572	38.889	110.37	4694.8	16.226	153.86	25.832	101.78	7.9947
#1	.00023	.00050	.00762	.00061	.00012	.00001	-.00044	.00217	.00035	.00012	.00003	.00048
#2	.00032	.00071	-.00074	.00058	.00007	.00004	.00041	.00273	-.00001	.00009	.00019	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.06180**	W **.00280**	**.00400**	**.00001**	**.00111**	**.02193**	**-.00035**	**-.00021**	**.00081**	**-.00570**	**-.00029**
Stddev	.00178	.01865	.00056	.00066	.00002	.00003	.02355	.00032	.00174	.00064	.00070	.00233
%RSD	7401.8	30.175	19.864	16.424	169.97	2.7531	107.36	91.223	824.18	78.846	12.237	808.58
#1	-.00124	.07498	.00240	.00447	.00003	.00109	.03858	-.00012	-.00144	.00036	-.00619	-.00194
#2	.00129	.04861	.00319	.00354	.00000	.00113	.00528	-.00057	.00102	.00126	-.00520	.00136
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261									
Low Limit			-.00261									

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00151**	**.00324**	**.00023**	**.00002**	**.00041**	**-.00006**	**-.00168**	**.01056**	**-.00005**	**.00116**	**-.00042**
Stddev	.00262	.00847	.01813	.00063	.00003	.00057	.00022	.00169	.01082	.00016	.00012	.00069
%RSD	554.55	559.35	559.35	278.09	203.04	139.07	370.07	100.59	102.46	334.99	10.711	165.14
#1	-.00232	-.00448	-.00958	-.00022	-.00001	.00001	.00009	-.00287	.00291	-.00016	.00125	-.00090
#2	.00138	.00750	.01606	.00068	.00004	.00082	-.00021	-.00048	.01820	.00006	.00107	.00007
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4062.3**	**64174.**	**6303.9**
Stddev	3.2	34.	41.1
%RSD	.07992	.05349	.65185
#1	4064.6	64150.	6274.8
#2	4060.0	64199.	6333.0

Sample Name: CRI-1351958 Acquired: 4/10/2012 9:58:25 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01013**	**.11284**	W **.00724**	**.10656**	**.00550**	**.00100**	**.11831**	**.20791**	**.00556**	**.00554**	**.01044**	**.01113**
Stddev	.00017	.00156	.00120	.00131	.00001	.00005	.00024	.00053	.00015	.00004	.00006	.00023
%RSD	1.6645	1.3834	16.627	1.2267	.18876	5.3325	.20429	.25351	2.6725	.74934	.52996	2.0395
#1	.01025	.11395	.00639	.10748	.00549	.00104	.11848	.20754	.00566	.00551	.01048	.01129
#2	.01001	.11174	.00809	.10563	.00550	.00096	.11814	.20828	.00545	.00557	.01040	.01097
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000									
Range			-20.490%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03101**	**1.0682**	W **.01394**	**.22319**	**.00331**	**.01024**	**1.0725**	**.01058**	**1.0315**	**.00326**	**.10629**	W **.00592**
Stddev	.00167	.0047	.00007	.00078	.00003	.00039	.0045	.00032	.0096	.00114	.00005	.00095
%RSD	5.3996	.44083	.47623	.34881	1.0329	3.8420	.42239	3.0157	.93481	34.931	.04841	15.982
#1	.03220	1.0715	.01390	.22264	.00333	.01052	1.0757	.01081	1.0383	.00406	.10632	.00659
#2	.02983	1.0649	.01399	.22374	.00328	.00996	1.0693	.01036	1.0247	.00245	.10625	.00526
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value			.01000									.01000
Range			20.490%									-20.490%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01616**	**.49615**	**1.0618**	**.02201**	**.00534**	**.01012**	**.01021**	**.01125**	W **.07975**	**.01054**	W **.01211**	**.01043**
Stddev	.00465	.00318	.0068	.00059	.00005	.00047	.00001	.00075	.02385	.00021	.00044	.00006
%RSD	28.791	.64151	.64151	2.6730	.96252	4.6566	.12895	6.6927	29.904	2.0184	3.6396	.55311
#1	.01945	.49390	1.0569	.02159	.00537	.00978	.01022	.01071	.06289	.01069	.01242	.01047
#2	.01287	.49840	1.0666	.02242	.00530	.01045	.01020	.01178	.09662	.01039	.01180	.01039
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
Value	.01000								.06000		.01000	
Range	50.000%								20.490%		20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.2**	**65159.**	**6419.0**
Stddev	16.6	232.	4.5
%RSD	.39978	.35573	.06935
#1	4130.5	64995.	6422.1
#2	4153.9	65323.	6415.8

Sample Name: CRI-1352036 Acquired: 4/10/2012 10:05:58 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00050**	**.02043**	**-.00021**	**.00021**	**-.00002**	**-.00260**	**-.00058**	**.00010**	**-.00011**
Stddev	.00017	.00031	.00024	.00006	.00021	.00001	.00112	.00084	.00009	.00015
%RSD	1467.9	62.690	1.1852	26.059	100.80	45.915	43.050	145.75	84.412	136.90
#1	-.00013	.00028	.02025	-.00017	.00035	-.00002	-.00181	-.00117	.00016	.00000
#2	.00011	.00072	.02060	-.00025	.00006	-.00001	-.00339	.00002	.00004	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00022**	**.00129**	**.00064**	**.00116**	**.00368**	**.00006**	**-.00014**	**.00320**	**-.00005**
Stddev	.00005	.00002	.00139	.00003	.00015	.00007	.00002	.00024	.00197	.00002
%RSD	18.255	8.3326	107.90	4.9004	13.357	1.8965	28.836	171.99	61.530	45.223
#1	-.00024	-.00023	.00030	.00067	.00105	.00373	.00007	-.00031	.00181	-.00006
#2	-.00031	-.00021	.00227	.00062	.00127	.00363	.00004	.00003	.00459	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00304**	**.00089**	**.00108**	**.01747**	**.01950**	**-.00775**	**-.01659**	**.00119**	**.00003**	**.00054**
Stddev	.00089	.00025	.00431	.00053	.00045	.00515	.01103	.00016	.00005	.00122
%RSD	29.252	28.575	397.95	3.0434	2.3312	66.480	66.480	13.501	154.27	226.20
#1	-.00241	.00071	.00413	.01709	.01918	-.00411	-.00879	.00108	.00000	-.00032
#2	-.00367	.00107	-.00197	.01784	.01982	-.01139	-.02439	.00131	.00007	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00108**	**.00797**	**-.00005**	**.01883**	**.00043**
Stddev	.00008	.00169	.00150	.00005	.00112	.00113
%RSD	63.535	156.97	18.768	108.08	5.9414	261.64
#1	-.00007	.00012	.00902	-.00001	.01804	.00123
#2	-.00018	-.00227	.00691	-.00009	.01962	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.4**	**64443.**	**6198.2**
Stddev	5.2	718.	237.6
%RSD	.12887	1.1140	3.8337
#1	4059.7	64951.	6366.2
#2	4067.1	63935.	6030.2

Sample Name: CRI-1352037 Acquired: 4/10/2012 10:14:16 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00028**	**.00200**	**-.00039**	**.00018**	**.00005**	**-.00225**	**-.00056**	**.00026**	**-.00010**
Stddev	.00007	.00004	.00247	.00023	.00016	.00000	.00036	.00145	.00008	.00011
%RSD	54.536	12.842	123.43	58.543	85.544	10.749	16.129	261.12	33.248	109.35
#1	-.00007	.00031	.00025	-.00056	.00007	.00005	-.00251	.00047	.00020	-.00018
#2	-.00017	.00025	.00375	-.00023	.00030	.00004	-.00199	-.00159	.00032	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00049**	**.00068**	**-.00304**	**.00002**	**.00466**	**-.00005**	**-.00005**	**-.00126**	**-.00021**
Stddev	.00031	.00022	.00208	.01129	.00019	.00003	.00001	.00004	.00832	.00031
%RSD	2271.7	45.261	306.79	371.45	765.00	.61316	28.057	91.548	660.16	148.14
#1	-.00020	.00034	.00215	.00494	.00016	.00468	-.00004	-.00008	.00462	.00001
#2	.00023	.00065	-.00079	-.01102	-.00011	.00464	-.00006	-.00002	-.00714	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00316**	**.00007**	**.00052**	**-.00397**	**.02586**	**-.00498**	**-.01067**	**.00148**	**.00004**	**-.00066**
Stddev	.00179	.00109	.00141	.00306	.00324	.00104	.00222	.00025	.00001	.00045
%RSD	56.505	1452.9	273.20	77.215	12.533	20.802	20.802	16.800	27.668	67.797
#1	-.00190	.00084	.00152	-.00614	.02357	-.00572	-.01223	.00130	.00004	-.00034
#2	-.00442	-.00069	-.00048	-.00180	.02815	-.00425	-.00910	.00165	.00003	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00096**	**.03319**	**.00032**	**-.00017**	**.00083**
Stddev	.00014	.00125	.01848	.00010	.00023	.00084
%RSD	91.993	130.02	55.679	30.267	138.98	100.99
#1	.00005	-.00008	.04626	.00038	.00000	.00142
#2	.00025	-.00185	.02012	.00025	-.00033	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4022.1**	**63826.**	**6336.1**
Stddev	24.2	291.	14.0
%RSD	.60115	.45530	.22074
#1	4005.0	63620.	6326.2
#2	4039.2	64031.	6346.0

Sample Name: X Acquired: 4/10/2012 10:18:53 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**505.38**	**.00106**	**-.00269**	**.00062**	**.00001**	**-.00049**	**457.93**	**.00040**	**-.00039**	W **.00306**	W **.00463**
Stddev	.00027	.61	.00521	.00044	.00004	.00003	.00229	1.29	.00008	.00017	.00019	.00019
%RSD	696.16	.12077	489.74	16.460	5.9592	223.03	467.90	.28182	20.334	43.413	6.1658	4.1834
#1	.00015	504.95	-.00262	-.00300	.00065	.00003	-.00211	457.02	.00045	-.00027	.00293	.00476
#2	-.00023	505.81	.00475	-.00238	.00060	-.00001	.00113	458.85	.00034	-.00051	.00319	.00449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit											.00133	.00272
Low Limit											-.00133	-.00272

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**189.53**	**.15788**	**.00319**	**503.78**	**-.00043**	**-.00276**	**.09255**	**-.00217**	**-.00470**	**.00387**	**.01281**	**-.00377**
Stddev	.50	.05294	.00056	3.42	.00005	.00010	.01288	.00003	.00101	.00124	.00350	.00122
%RSD	.26404	33.533	17.576	.67937	12.734	3.5762	13.920	1.4279	21.546	31.905	27.356	32.392
#1	189.18	.12045	.00280	501.36	-.00046	-.00269	.08344	-.00215	-.00398	.00475	.01528	-.00464
#2	189.89	.19532	.00359	506.20	-.00039	-.00283	.10166	-.00219	-.00541	.00300	.01033	-.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01235**	**.00014**	**.00029**	**.00036**	W **.00185**	**.00319**	**.00039**	**.00378**	**.04251**	**.00140**	**.00187**	**-.00170**
Stddev	.00486	.00986	.02111	.00004	.00004	.00158	.00001	.00111	.02539	.00017	.00031	.00135
%RSD	39.360	7271.2	7271.2	12.113	2.3303	49.514	2.3264	29.477	59.732	12.515	16.352	79.509
#1	.01579	-.00684	-.01464	.00033	.00182	.00431	.00039	.00299	.02455	.00127	.00165	-.00266
#2	.00891	.00711	.01522	.00039	.00188	.00207	.00038	.00456	.06046	.00152	.00208	-.00074
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00972				.00050							
Low Limit	-.00972				-.00050							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3603.7**	**54353.**	**6223.4**
Stddev	52.5	81.	21.1
%RSD	1.4581	.14837	.33948
#1	3566.5	54296.	6238.3
#2	3640.8	54410.	6208.4

Sample Name: ICSAB-1341784 Acquired: 4/10/2012 10:21:27 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1061**	**504.85**	**2.0551**	**1.9778**	**.48668**	**.46870**	**1.0425**	**446.58**	**1.0449**	**.46691**	**.48651**	**.53364**	**188.78**	**51.108**
Stddev	.0020	9.04	.0248	.0240	.00907	.00946	.0110	4.17	.0148	.00585	.00670	.00095	3.04	.828
%RSD	.18370	1.7902	1.2065	1.2159	1.8644	2.0180	1.0579	.93413	1.4136	1.2535	1.3776	.17737	1.6112	1.6196
#1	1.1075	498.46	2.0726	1.9948	.48026	.46201	1.0503	443.63	1.0553	.47105	.49125	.53431	186.63	50.522
#2	1.1046	511.24	2.0375	1.9608	.49309	.47539	1.0347	449.53	1.0344	.46277	.48178	.53297	190.94	51.693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0201**	**504.25**	**.49880**	**.94315**	**52.045**	**.91954**	**2.0033**	**.93953**	**.99948**	**1.0033**	**5.0790**	**9.9630**	**21.321**	**9.0630**
Stddev	.0259	5.45	.00106	.01313	1.072	.01166	.0400	.01094	.01182	.0177	.0779	.2214	.474	.1243
%RSD	2.5339	1.0814	.21335	1.3917	2.0605	1.2677	1.9968	1.1649	1.1827	1.7672	1.5330	2.2224	2.2224	1.3716
#1	1.0018	500.39	.49805	.95243	51.287	.92778	2.0315	.94726	1.0078	1.0159	5.1340	9.8064	20.986	9.1509
#2	1.0383	508.11	.49956	.93387	52.803	.91130	1.9750	.93179	.99112	.99079	5.0239	10.120	21.656	8.9751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96680**	**2.0105**	**.98153**	**8.5421**	**.04233**	**.49674**	**.98039**	**.94907**
Stddev	.01822	.0070	.00185	.1114	.00935	.00271	.00819	.02371
%RSD	1.8845	.34852	.18806	1.3042	22.096	.54568	.83568	2.4979
#1	.95391	2.0056	.98023	8.6209	.03571	.49482	.97460	.93231
#2	.97968	2.0155	.98284	8.4634	.04894	.49865	.98618	.96583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3582.9**	**54557.**	**6319.6**
Stddev	36.7	236.	59.9
%RSD	1.0234	.43218	.94811
#1	3557.0	54724.	6362.0
#2	3608.8	54391.	6277.2

Sample Name: ICSA-1333972 Acquired: 4/10/2012 10:29:52 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**499.39**	**-.00264**	**-.00257**	**.00065**	**-.00002**	**-.00001**	W **443.46**	**.00033**	**-.00045**	W **.00329**	W **.00484**
Stddev	.00021	2.78	.00626	.00015	.00023	.00002	.00110	.29	.00001	.00014	.00055	.00018
%RSD	55.059	.55591	237.51	5.9986	35.020	112.35	10288.	.06455	3.9420	32.096	16.615	3.7616
#1	.00024	501.35	.00179	-.00247	.00049	.00000	-.00079	443.67	.00032	-.00055	.00368	.00471
#2	.00054	497.42	-.00707	-.00268	.00081	-.00004	.00076	443.26	.00033	-.00035	.00291	.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit								550.00			.00133	.00272
Low Limit								450.00			-.00133	-.00272

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**187.19**	**.08295**	**.00406**	**484.86**	**-.00039**	**-.00311**	**.10380**	**-.00214**	**-.00700**	**.00445**	**.01052**	**-.00142**
Stddev	.83	.02859	.00025	8.48	.00008	.00024	.01296	.00066	.00108	.00047	.00718	.00287
%RSD	.44305	34.470	6.0553	1.7486	19.587	7.5842	12.486	30.833	15.400	10.588	68.271	201.95
#1	187.78	.10317	.00388	478.87	-.00045	-.00294	.09463	-.00261	-.00624	.00411	.01560	.00061
#2	186.61	.06273	.00423	490.86	-.00034	-.00327	.11296	-.00167	-.00777	.00478	.00544	-.00345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00549**	**-.01437**	**-.03075**	**.00137**	W **.00181**	**.00193**	**.00032**	**.00026**	**.03819**	**.00171**	**.00139**	**-.00102**
Stddev	.00023	.01431	.03062	.00150	.00003	.00318	.00000	.00076	.02026	.00011	.00117	.00074
%RSD	4.2409	99.582	99.582	109.95	1.8280	164.52	.15524	296.08	53.042	6.3912	84.334	72.231
#1	.00565	-.00425	-.00910	.00243	.00183	-.00032	.00031	-.00028	.05251	.00178	.00056	-.00154
#2	.00533	-.02449	-.05240	.00030	.00178	.00418	.00032	.00080	.02386	.00163	.00221	-.00050
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00050							
Low Limit					-.00050							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3566.8**	**54402.**	**6269.9**
Stddev	3.3	396.	27.0
%RSD	.09147	.72838	.43033
#1	3569.1	54683.	6250.8
#2	3564.5	54122.	6289.0

Sample Name: LRA-1341785 Acquired: 4/10/2012 10:36:03 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0431**	**.04482**	**10.472**	**10.234**	**11.623**	**.00039**	**-.00623**	**.00280**	**2.0958**	**5.0750**	**10.013**	**10.277**	**501.94**
Stddev	.0230	.01025	.042	.004	.255	.00002	.00201	.00182	.0030	.0169	.045	.108	5.33
%RSD	1.1246	22.863	.40318	.03924	2.1946	4.1417	32.269	65.013	.14339	.33305	.45365	1.0555	1.0615
#1	2.0268	.05207	10.502	10.237	11.442	.00038	-.00766	.00151	2.0979	5.0870	10.045	10.200	498.18
#2	2.0593	.03758	10.442	10.231	11.803	.00040	-.00481	.00409	2.0936	5.0631	9.9806	10.354	505.71
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.08156**	**.00056**	**-.07357**	**9.8509**	**4.9631**	**-.01672**	**10.187**	**.00472**	**10.689**	**-.00278**	**-.14707**	**5.2314**	**48.093**
Stddev	.00765	.00023	.00590	.1639	.0178	.01187	.037	.00264	.025	.00141	.00067	.0079	.725
%RSD	9.3837	40.940	8.0196	1.6642	.35828	70.984	.36692	55.949	.23682	50.602	.45631	.15184	1.5075
#1	-.08697	.00072	-.07774	9.7350	4.9756	-.00833	10.213	.00285	10.707	-.00179	-.14660	5.2370	47.581
#2	-.07615	.00040	-.06940	9.9668	4.9505	-.02511	10.160	.00659	10.671	-.00378	-.14755	5.2258	48.606
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.92**	**.00364**	**9.8859**	**.01177**	**9.8220**	**5.2329**	**.06772**	**9.8434**	**9.7675**	**-.00341**
Stddev	1.55	.00017	.0394	.00242	.1097	.0024	.00599	.1014	.0958	.00035
%RSD	1.5075	4.5811	.39875	20.576	1.1165	.04655	8.8482	1.0301	.98089	10.381
#1	101.82	.00352	9.8580	.01348	9.7444	5.2346	.06348	9.7717	9.6998	-.00366
#2	104.02	.00376	9.9138	.01005	9.8995	5.2312	.07196	9.9151	9.8353	-.00316
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3898.1**	**62208.**	**6415.9**
Stddev	1.4	358.	70.8
%RSD	.03512	.57615	1.1035
#1	3899.1	62461.	6466.0
#2	3897.2	61955.	6365.9

Sample Name: CCVH-1351956 Acquired: 4/10/2012 10:38:44 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**50.443**	**.00068**	**.01157**	**.00070**	**.00004**	**1.0474**	**-.01059**	**.00005**	**.00032**	**.00033**	**.00738**	**50.204**
Stddev	.00082	.350	.00136	.00154	.00043	.00009	.0022	.00077	.00019	.00014	.00000	.00097	.221
%RSD	38.030	.69414	199.99	13.329	61.911	222.21	.20504	7.2940	398.70	44.013	.43588	13.116	.43983
#1	.00158	50.195	-.00028	.01266	.00101	-.00002	1.0459	-.01005	-.00009	.00042	.00034	.00670	50.048
#2	.00274	50.690	.00164	.01048	.00039	.00010	1.0489	-.01114	.00018	.00022	.00033	.00806	50.360
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02896**	**.00138**	**.02157**	**-.00002**	**.00733**	**256.60**	**.00179**	**.00230**	**-.00066**	**5.0962**	**-.00389**	**.00018**	**.05086**
Stddev	.02777	.00158	.00027	.00006	.00394	2.52	.00009	.00061	.00045	.0166	.00076	.00445	.00110
%RSD	95.875	114.89	1.2419	290.58	53.738	.98189	4.7736	26.447	68.340	.32626	19.509	2411.7	2.1717
#1	-.04859	.00026	.02138	-.00006	.00455	254.82	.00173	.00187	-.00098	5.0845	-.00443	-.00296	.05164
#2	-.00933	.00249	.02176	.00002	.01012	258.39	.00185	.00273	-.00034	5.1080	-.00336	.00333	.05008
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10884**	**.00338**	**.00073**	**4.8270**	**.00230**	**.00211**	**9.6845**	**.00353**	**.00142**	**.02503**
Stddev	.00236	.00022	.00044	.2655	.00110	.00141	.5085	.00027	.00011	.00960
%RSD	2.1717	6.5559	59.856	5.4995	47.977	67.182	5.2510	7.7674	7.8055	38.336
#1	.11051	.00322	.00104	4.6393	.00307	.00111	9.3249	.00334	.00134	.03182
#2	.10717	.00353	.00042	5.0147	.00152	.00311	10.044	.00373	.00150	.01825
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3907.9**	**61960.**	**6404.8**
Stddev	2.5	2450.	79.7
%RSD	.06509	3.9534	1.2450
#1	3909.7	63692.	6461.2
#2	3906.1	60227.	6348.4

Sample Name: CCV-1351954 Acquired: 4/10/2012 10:41:04 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51200**	**.52298**	**1.0206**	**.52502**	**.49671**	**.49172**	**-.00203**	**4.9362**	**.51169**	**.51032**	**.50542**	**.50547**	**2.4658**
Stddev	.00362	.00119	.0017	.00125	.00706	.00717	.00118	.0680	.00115	.00131	.00031	.00384	.0308
%RSD	.70701	.22814	.17049	.23770	1.4205	1.4581	58.214	1.3777	.22424	.25733	.06155	.75929	1.2505
#1	.51456	.52214	1.0193	.52591	.50170	.49679	-.00286	4.9843	.51250	.51125	.50564	.50818	2.4877
#2	.50944	.52382	1.0218	.52414	.49172	.48665	-.00119	4.8882	.51088	.50939	.50520	.50275	2.4440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.828**	**1.0006**	**20.294**	**.50238**	**.50274**	**4.9821**	**.50983**	**1.0214**	**1.0320**	**.00504**	**1.0239**	**1.0326**	**4.9176**
Stddev	.662	.0133	.093	.00199	.00192	.0814	.00168	.0103	.0032	.00113	.0063	.0008	.0267
%RSD	1.3295	1.3240	.45809	.39660	.38190	1.6331	.33001	1.0109	.31344	22.504	.61901	.08041	.54263
#1	50.297	1.0100	20.360	.50379	.50410	5.0397	.51102	1.0287	1.0343	.00424	1.0283	1.0331	4.9364
#2	49.360	.99127	20.228	.50097	.50139	4.9246	.50864	1.0141	1.0298	.00584	1.0194	1.0320	4.8987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.524**	**1.0188**	**.49499**	**-.00249**	**.49984**	**1.0489**	**.01207**	**.49807**	**.50382**	**.48731**
Stddev	.057	.0006	.00744	.00044	.00261	.0003	.00029	.00281	.00130	.00806
%RSD	.54263	.05364	1.5038	17.686	.52269	.03115	2.4079	.56321	.25736	1.6550
#1	10.564	1.0192	.50025	-.00280	.50169	1.0491	.01227	.50005	.50473	.49301
#2	10.483	1.0184	.48973	-.00218	.49799	1.0486	.01186	.49608	.50290	.48161
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4008.7**	**62949.**	**6416.6**
Stddev	6.0	355.	19.7
%RSD	.15065	.56427	.30707
#1	4004.4	62698.	6402.7
#2	4013.0	63200.	6430.5

Sample Name: CCB Acquired: 4/10/2012 10:43:16 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00007**	**.00228**	**.00355**	**.00018**	**.00001**	**-.00235**	**.00200**	**.00003**	**.00012**	**-.00016**	**.00027**	**.00264**
Stddev	.00015	.00006	.00015	.00028	.00010	.00002	.00036	.00217	.00007	.00010	.00032	.00045	.00015
%RSD	99.102	87.988	6.6040	7.8820	54.070	212.21	15.128	108.59	231.90	87.431	206.27	163.74	5.7797
#1	-.00005	.00011	.00239	.00375	.00011	.00002	-.00210	.00046	-.00002	.00019	-.00038	-.00004	.00275
#2	-.00026	.00003	.00218	.00335	.00025	.00000	-.00261	.00354	.00008	.00005	.00007	.00059	.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00864**	**.00131**	**.00191**	**.00002**	**.00165**	**-.01538**	**-.00031**	**.00004**	**.00114**	**.00049**	**.00037**	**.00255**	**.00660**
Stddev	.02254	.00002	.00282	.00002	.00088	.01356	.00014	.00055	.00055	.00414	.00127	.00209	.01199
%RSD	260.95	1.1550	147.94	105.05	53.327	88.157	44.990	1440.9	48.452	849.70	339.04	81.812	181.76
#1	-.00730	.00130	.00390	.00000	.00103	-.00579	-.00021	-.00035	.00075	-.00244	-.00052	.00403	-.00188
#2	.02457	.00132	-.00009	.00003	.00227	-.02498	-.00041	.00043	.00153	.00342	.00127	.00107	.01507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01412**	**.00032**	**.00001**	**-.00053**	**.00009**	**-.00042**	**.02139**	**.00040**	**.00145**	**.00083**
Stddev	.02566	.00001	.00001	.00078	.00020	.00133	.00044	.00004	.00062	.00098
%RSD	181.76	1.7444	49.474	148.15	226.05	315.58	2.0491	8.6871	42.925	118.82
#1	-.00403	.00031	.00001	.00003	-.00005	.00052	.02170	.00038	.00101	.00152
#2	.03226	.00032	.00002	-.00108	.00023	-.00136	.02108	.00043	.00189	.00013
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.8**	**63799.**	**6297.7**
Stddev	14.4	223.	88.8
%RSD	.35724	.35017	1.4095
#1	4034.0	63641.	6360.5
#2	4013.6	63957.	6234.9

Sample Name: CCVL-1351959 Acquired: 4/10/2012 10:45:42 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.10822**	**.01618**	**.09925**	**.01038**	**.00095**	**.10950**	**.19838**	**.00535**	**.01056**	**.01019**	**.01532**	**.10047**	**3.0726**
Stddev	.00014	.00089	.00286	.00109	.00001	.00012	.00080	.00060	.00019	.00002	.00007	.00023	.00146	.0628
%RSD	1.3537	.82435	17.678	1.0960	.05355	12.469	.73048	.30202	3.4738	.21084	.71314	1.5086	1.4519	2.0452
#1	.01053	.10759	.01820	.09848	.01038	.00086	.10894	.19880	.00522	.01058	.01024	.01516	.09944	3.0281
#2	.01033	.10885	.01416	.10002	.01037	.00103	.11007	.19795	.00548	.01055	.01014	.01549	.10150	3.1170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01180**	**.20772**	**.01041**	**.01991**	**1.0411**	**.04163**	**2.8420**	**.01022**	**.00310**	**.00863**	**.01153**	**.47254**	**1.0112**	**.10207**
Stddev	.00023	.00515	.00025	.00032	.0342	.00025	.0028	.00135	.00104	.00077	.00516	.00589	.0126	.00025
%RSD	1.9209	2.4790	2.3958	1.6165	3.2827	.59291	.09835	13.201	33.695	8.9308	44.723	1.2463	1.2463	.24666
#1	.01164	.20408	.01023	.01969	1.0169	.04180	2.8400	.01117	.00236	.00808	.01518	.46838	1.0023	.10225
#2	.01196	.21136	.01059	.02014	1.0653	.04145	2.8439	.00926	.00383	.00917	.00789	.47671	1.0202	.10189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	**.01442**	**.00961**	**.01483**	**.07604**	**.00958**	**.02139**	**.01551**
Stddev	.00024	.00143	.00005	.00037	.00475	.00003	.00088	.00098
%RSD	2.3016	9.9385	.53524	2.5016	6.2490	.31841	4.1115	6.2917
#1	.01005	.01544	.00965	.01509	.07268	.00961	.02077	.01482
#2	.01039	.01341	.00958	.01457	.07940	.00956	.02201	.01620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4085.9**	**64837.**	**6390.2**
Stddev	7.7	501.	39.5
%RSD	.18889	.77248	.61807
#1	4091.4	65191.	6418.2
#2	4080.5	64483.	6362.3

Sample Name: mb 280-114417/1-a Acquired: 4/10/2012 10:48:32 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00543**	**.00119**	**.00194**	**.00027**	**-.00002**	**-.00194**	**.03906**	**.00014**	**.00010**
Stddev	.00001	.00012	.00150	.00028	.00005	.00001	.00138	.00020	.00020	.00008
%RSD	10.934	2.1906	126.02	14.258	18.049	61.838	70.956	.51073	146.72	85.120
#1	.00011	.00551	.00225	.00213	.00030	-.00003	-.00097	.03892	.00028	.00004
#2	.00010	.00535	.00013	.00174	.00023	-.00001	-.00292	.03920	-.00001	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00066**	**.02121**	**-.02293**	**.00073**	**.00646**	**.00083**	**.00004**	**.19147**	**.00067**
Stddev	.00007	.00048	.00124	.01217	.00033	.00074	.00001	.00007	.00820	.00008
%RSD	14.987	73.202	5.8504	53.048	44.495	11.531	1.3402	185.96	4.2838	11.799
#1	.00054	.00100	.02033	-.03154	.00050	.00593	.00083	.00008	.18567	.00073
#2	.00044	.00032	.02208	-.01433	.00096	.00698	.00082	-.00001	.19727	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00275**	**.00077**	F **.02912**	**-.00241**	**.00000**	W **.00786**	**.01683**	**.00682**	**.00010**	**-.00091**
Stddev	.00214	.00134	.00147	.00178	.00333	.00494	.01056	.00037	.00005	.00060
%RSD	77.582	175.39	5.0571	73.734	157190.	62.765	62.765	5.3687	47.368	66.125
#1	.00426	.00172	.02808	-.00367	-.00235	.00437	.00936	.00708	.00013	-.00048
#2	.00124	-.00018	.03016	-.00115	.00235	.01136	.02430	.00656	.00007	-.00134
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00059**	**-.00349**	**.00021**	**.00227**	**.00006**
Stddev	.00026	.00002	.00139	.00012	.00007	.00043
%RSD	42.139	3.9340	39.834	55.145	3.1520	734.43
#1	.00044	-.00057	-.00447	.00030	.00232	-.00024
#2	.00081	-.00060	-.00251	.00013	.00222	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.6**	**65649.**	**6460.4**
Stddev	7.4	314.	33.3
%RSD	.17954	.47874	.51511
#1	4138.8	65427.	6484.0
#2	4128.3	65872.	6436.9

Sample Name: lcs 280-114417/2-a Acquired: 4/10/2012 10:50:58 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05461	1.9793	1.0501	1.0238	2.0510	.05092	2.1748	50.184	.10577	.51031
Stddev	.00022	.0047	.0053	.0020	.0091	.00012	.0010	.108	.00031	.00045
%RSD	.39798	.23995	.50909	.19291	.44352	.22807	.04621	.21460	.29047	.08817
#1	.05476	1.9759	1.0463	1.0224	2.0446	.05084	2.1756	50.108	.10598	.51063
#2	.05445	1.9826	1.0539	1.0252	2.0574	.05101	2.1741	50.260	.10555	.50999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20621	.26228	1.0263	52.142	1.0358	50.953	.51984	1.0240	54.433	.51740
Stddev	.00014	.00009	.0022	.131	.0076	.187	.00042	.0006	.055	.00084
%RSD	.06641	.03397	.20936	.25052	.73045	.36793	.08052	.05841	.10065	.16310
#1	.20631	.26222	1.0247	52.050	1.0304	50.820	.51954	1.0244	54.471	.51800
#2	.20612	.26234	1.0278	52.234	1.0411	51.085	.52013	1.0236	54.394	.51681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.546	.52153	.04697	.49778	2.0970	1.6838	F 3.6033	2.0544	1.0338	1.0172
Stddev	.001	.00339	.00380	.00013	.0093	.0017	.0037	.0003	.0046	.0047
%RSD	.01346	.64937	8.0981	.02662	.44264	.10151	.10151	.01667	.44174	.46459
#1	10.547	.51913	.04966	.49768	2.1035	1.6850	3.6059	2.0542	1.0306	1.0206
#2	10.545	.52392	.04428	.49787	2.0904	1.6826	3.6007	2.0547	1.0371	1.0139
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0306	2.0719	2.1944	.51754	.50851	.50636
Stddev	.0017	.0006	.0036	.00181	.00005	.00815
%RSD	.16131	.02973	.16570	.34928	.00983	1.6105
#1	1.0295	2.0715	2.1970	.51882	.50855	.50060
#2	1.0318	2.0724	2.1918	.51626	.50848	.51213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3900.9	61026.	6236.8
Stddev	12.6	151.	40.0
%RSD	.32180	.24821	.64080
#1	3909.8	60919.	6208.6
#2	3892.0	61133.	6265.1

Sample Name: 280-27317-a-4-g Acquired: 4/10/2012 10:53:08 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**87.953**	**.02597**	**.01958**	**.88303**	**.00321**	**-.00691**	**28.509**	**.00089**	**.04935**
Stddev	.00058	.228	.00001	.00058	.00113	.00009	.00198	.108	.00000	.00028
%RSD	119.52	.25909	.04493	2.9769	.12825	2.8902	28.708	.37957	.17041	.57635
#1	.00090	88.114	.02597	.01999	.88383	.00314	-.00831	28.585	.00089	.04955
#2	.00008	87.792	.02596	.01917	.88223	.00327	-.00551	28.432	.00089	.04915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11804**	**.16768**	**143.28**	**19.845**	**.09931**	**31.720**	**2.4875**	**.00215**	**2.7486**	**.11524**
Stddev	.00033	.00017	.43	.006	.00153	.034	.0020	.00093	.0156	.00062
%RSD	.28360	.09946	.29982	.03097	1.5364	.10845	.07950	43.175	.56832	.54211
#1	.11780	.16756	143.59	19.849	.09823	31.745	2.4889	.00149	2.7596	.11568
#2	.11828	.16779	142.98	19.841	.10039	31.696	2.4861	.00281	2.7375	.11480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.7991**	**.04095**	**.69758**	**-.00320**	**.00495**	**3.2427**	**6.9393**	**.00783**	**.37283**	**.04448**
Stddev	.0084	.00014	.00325	.00162	.00317	.0570	.1219	.00133	.00114	.00089
%RSD	.17509	.33485	.46530	50.659	63.998	1.7571	1.7571	16.995	.30640	2.0043
#1	4.7931	.04085	.69987	-.00435	.00720	3.2829	7.0255	.00877	.37364	.04385
#2	4.8050	.04104	.69528	-.00206	.00271	3.2024	6.8531	.00688	.37202	.04511
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7911**	**.00141**	W **-.05033**	**.33909**	**.36569**	**.07145**
Stddev	.0003	.00037	.00130	.00126	.00098	.00110
%RSD	.00497	26.124	2.5909	.37153	.26673	1.5367
#1	6.7909	.00167	-.05125	.33998	.36638	.07223
#2	6.7914	.00115	-.04940	.33820	.36500	.07067
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4103.6**	**63683.**	**6591.5**
Stddev	25.2	97.	8.7
%RSD	.61374	.15198	.13238
#1	4085.7	63614.	6597.6
#2	4121.4	63751.	6585.3

Sample Name: 280-27317-a-4-gSD@5 Acquired: 4/10/2012 10:55:25 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**18.360**	**.00612**	**.00545**	**.18495**	**.00068**	**-.00097**	**5.9496**	**.00013**	**.01092**
Stddev	.00033	.023	.00089	.00004	.00029	.00002	.00075	.0303	.00003	.00005
%RSD	145.48	.12695	14.557	.79021	.15414	3.4190	76.919	.50875	23.736	.41653
#1	.00046	18.377	.00549	.00541	.18515	.00067	-.00044	5.9710	.00011	.01095
#2	-.00001	18.344	.00676	.00548	.18475	.00070	-.00150	5.9282	.00016	.01088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02485**	**.03526**	**28.833**	**4.1315**	**.02206**	**6.7797**	**.52511**	**-.00009**	**.54912**	**.02479**
Stddev	.00002	.00014	.101	.0001	.00091	.0095	.00062	.00020	.00086	.00015
%RSD	.08467	.39834	.35189	.00147	4.1412	.14057	.11760	207.75	.15598	.62230
#1	.02486	.03536	28.905	4.1315	.02142	6.7730	.52468	.00004	.54851	.02490
#2	.02484	.03516	28.762	4.1316	.02271	6.7865	.52555	-.00023	.54972	.02468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0015**	**.00908**	**.14925**	**-.00304**	**.00193**	**.67572**	**1.4460**	**.00144**	**.07822**	**.00949**
Stddev	.0033	.00046	.00337	.00023	.00218	.01763	.0377	.00037	.00045	.00074
%RSD	.32974	5.0937	2.2575	7.4230	113.38	2.6093	2.6093	25.595	.57200	7.7944
#1	.99916	.00940	.15164	-.00288	.00038	.68819	1.4727	.00118	.07853	.00897
#2	1.0038	.00875	.14687	-.00320	.00347	.66326	1.4194	.00170	.07790	.01001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4027**	**-.00076**	**.00752**	**.07015**	**.07819**	**.01489**
Stddev	.0002	.00118	.01293	.00045	.00058	.00020
%RSD	.01123	155.27	171.86	.64484	.74309	1.3171
#1	1.4028	-.00160	.01666	.06983	.07778	.01503
#2	1.4026	.00007	-.00162	.07047	.07860	.01475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4107.3**	**64212.**	**6484.4**
Stddev	4.3	56.	2.9
%RSD	.10377	.08735	.04535
#1	4104.3	64173.	6486.5
#2	4110.3	64252.	6482.3

Sample Name: 280-27317-a-4-h ms Acquired: 4/10/2012 10:57:46 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05452**	**107.72**	**1.0495**	**1.0025**	**2.7819**	**.05224**	F **2.1213**	**83.814**	**.10456**	**.53954**
Stddev	.00173	.45	.0075	.0036	.0152	.00007	.0013	.008	.00045	.00103
%RSD	3.1706	.41657	.71836	.36117	.54662	.12677	.05938	.00990	.43139	.19159
#1	.05330	107.40	1.0549	1.0051	2.7712	.05219	2.1222	83.808	.10488	.54027
#2	.05574	108.04	1.0442	.99996	2.7927	.05229	2.1204	83.820	.10424	.53881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32851**	**.42718**	**144.99**	**71.486**	**1.1214**	**84.645**	**3.1065**	**.97346**	**56.791**	**.60321**
Stddev	.00080	.00348	.12	.330	.0061	.576	.0224	.00221	.037	.00112
%RSD	.24425	.81377	.08426	.46148	.54746	.68031	.72018	.22731	.06583	.18641
#1	.32908	.42472	144.91	71.253	1.1171	84.238	3.0907	.97503	56.765	.60400
#2	.32794	.42964	145.08	71.720	1.1258	85.052	3.1224	.97190	56.818	.60241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.524**	**.53038**	**.67737**	**.29734**	**2.0288**	**5.3349**	**11.417**	**1.9136**	**1.3810**	**1.0529**
Stddev	.040	.00139	.00619	.00066	.0008	.0084	.018	.0054	.0091	.0107
%RSD	.27494	.26280	.91381	.22054	.04100	.15684	.15684	.28415	.66207	1.0183
#1	14.552	.53137	.68175	.29781	2.0282	5.3408	11.429	1.9174	1.3746	1.0453
#2	14.495	.52939	.67299	.29688	2.0294	5.3290	11.404	1.9097	1.3875	1.0605
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.2304**	**1.9249**	**2.0727**	**.86653**	**.85746**	**.57068**
Stddev	.0597	.0028	.0303	.00421	.00359	.00478
%RSD	.64684	.14664	1.4607	.48568	.41849	.83725
#1	9.1882	1.9229	2.0513	.86355	.85492	.56731
#2	9.2726	1.9269	2.0941	.86950	.86000	.57406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3948.0**	**61409.**	**6635.3**
Stddev	5.5	131.	9.8
%RSD	.13898	.21254	.14779
#1	3944.2	61502.	6628.3
#2	3951.9	61317.	6642.2

Sample Name: 280-27317-a-4-i msd Acquired: 4/10/2012 11:00:00 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05247	97.484	.99734	.96413	2.5973	.05048	F 2.0376	75.189	.10039	.51191
Stddev	.00031	.235	.00681	.00149	.0041	.00021	.0030	.113	.00015	.00031
%RSD	.59472	.24095	.68300	.15447	.15690	.40925	.14928	.15037	.14995	.06131
#1	.05225	97.650	.99252	.96519	2.6002	.05063	2.0398	75.269	.10028	.51168
#2	.05269	97.318	1.0022	.96308	2.5945	.05034	2.0355	75.109	.10049	.51213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.30818	.39227	126.21	67.868	1.0743	75.972	2.6615	.94105	54.726	.57160
Stddev	.00082	.00406	.14	.211	.0003	.536	.0250	.00037	.018	.00023
%RSD	.26629	1.0342	.11268	.31062	.03115	.70532	.93919	.03913	.03363	.04018
#1	.30760	.38940	126.11	68.017	1.0745	75.593	2.6439	.94131	54.740	.57144
#2	.30876	.39514	126.31	67.719	1.0740	76.351	2.6792	.94079	54.713	.57176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 13.727	.50416	.68472	.30230	1.9617	5.7011	12.200	1.8461	1.2763	1.0419
Stddev	.027	.00065	.00153	.00016	.0032	.0332	.071	.0044	.0014	.0090
%RSD	.19776	.12853	.22392	.05144	.16338	.58309	.58309	.23752	.11081	.86570
#1	13.708	.50370	.68363	.30219	1.9640	5.6776	12.150	1.8430	1.2773	1.0355
#2	13.746	.50462	.68580	.30241	1.9595	5.7246	12.251	1.8492	1.2753	1.0483
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.8027	1.8723	2.0298	.79248	.78386	.54611
Stddev	.0545	.0020	.0200	.00959	.00586	.00026
%RSD	.69838	.10881	.98675	1.2102	.74739	.04821
#1	7.7642	1.8737	2.0156	.78570	.77971	.54630
#2	7.8413	1.8708	2.0440	.79926	.78800	.54593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3999.2	62150.	6638.3
Stddev	8.3	434.	27.2
%RSD	.20793	.69785	.41005
#1	3993.3	62457.	6619.0
#2	4005.1	61844.	6657.5

Sample Name: 280-27317-a-4-gPDS Acquired: 4/10/2012 11:02:09 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05001**	**87.535**	**.21622**	**.11840**	**.97396**	**.05015**	**-.00875**	**46.547**	**.05013**	**.09463**
Stddev	.00049	.184	.00266	.00001	.00297	.00003	.00251	.090	.00017	.00039
%RSD	.98333	.20993	1.2314	.00761	.30464	.05426	28.690	.19407	.33696	.41700
#1	.04966	87.665	.21433	.11840	.97606	.05014	-.01052	46.611	.05001	.09435
#2	.05036	87.405	.21810	.11841	.97186	.05017	-.00697	46.483	.05025	.09491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16306**	**.21523**	**141.63**	**38.977**	**.19732**	**49.734**	**2.4835**	**.05057**	**23.386**	**.15971**
Stddev	.00017	.00116	.20	.126	.00008	.613	.0251	.00108	.279	.00043
%RSD	.10237	.54014	.14095	.32369	.03867	1.2326	1.0092	2.1369	1.1924	.26736
#1	.16295	.21441	141.77	39.066	.19726	49.301	2.4658	.04981	23.584	.15940
#2	.16318	.21606	141.49	38.888	.19737	50.168	2.5013	.05134	23.189	.16001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6337**	**.13298**	**.70662**	**.09997**	**.19692**	**8.1357**	**17.410**	**.10444**	**.41989**	**.23317**
Stddev	.0138	.00102	.00070	.00418	.00138	.0016	.004	.00053	.00138	.00275
%RSD	.20865	.76973	.09932	4.1796	.69915	.02019	.02019	.50513	.32918	1.1775
#1	6.6239	.13226	.70613	.10293	.19789	8.1369	17.413	.10407	.42087	.23123
#2	6.6435	.13370	.70712	.09702	.19594	8.1346	17.408	.10482	.41892	.23512
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7104**	**.19172**	**.48024**	**.37917**	**.53981**	**.12069**
Stddev	.0522	.00254	.01361	.00474	.00823	.00251
%RSD	.77857	1.3238	2.8344	1.2510	1.5240	2.0800
#1	6.6734	.18992	.47062	.37582	.53399	.12247
#2	6.7473	.19351	.48987	.38252	.54563	.11892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4089.2**	**63548.**	**6672.1**
Stddev	13.8	331.	35.9
%RSD	.33811	.52035	.53839
#1	4099.0	63782.	6697.5
#2	4079.4	63314.	6646.7

Sample Name: CCVH-1351956 Acquired: 4/10/2012 11:04:24 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00244**	**51.277**	**-.00267**	**.00348**	**.00027**	**.00000**	**1.0269**	**-.00197**	**.00006**	**.00022**	**.00093**	**.00630**	**51.223**
Stddev	.00003	.228	.00036	.00016	.00003	.00000	.0038	.00265	.00020	.00005	.00001	.00008	.484
%RSD	1.1086	.44404	13.391	4.5812	9.4065	9.0366	.36884	134.31	328.29	20.960	1.0210	1.2272	.94561
#1	.00242	51.438	-.00241	.00336	.00029	.00000	1.0242	-.00010	-.00008	.00019	.00092	.00635	51.566
#2	.00246	51.116	-.00292	.00359	.00026	.00000	1.0296	-.00384	.00020	.00026	.00093	.00624	50.881
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04837**	**.00097**	**.02019**	**.00006**	**.00004**	**260.44**	**.00216**	**.00270**	**-.00137**	**4.9022**	**-.00326**	**-.00146**	**.02212**
Stddev	.00126	.00023	.00053	.00002	.00002	1.69	.00014	.00171	.00166	.0166	.00181	.00194	.01626
%RSD	2.6150	23.619	2.6228	38.380	41.239	.65011	6.5062	63.583	121.20	.33945	55.569	132.36	73.532
#1	.04926	.00113	.02057	.00005	.00005	261.64	.00226	.00148	-.00254	4.8904	-.00198	-.00009	.01062
#2	.04747	.00081	.01982	.00008	.00003	259.24	.00206	.00391	-.00020	4.9139	-.00454	-.00283	.03362
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04733**	**.00204**	**.00038**	**5.0196**	**.00321**	**-.00043**	**10.449**	**.00329**	**.00144**	**.01302**
Stddev	.03480	.00044	.00005	.0063	.00013	.00068	.005	.00011	.00052	.00017
%RSD	73.532	21.575	12.621	.12537	3.9081	157.40	.04765	3.4249	36.345	1.2939
#1	.02272	.00173	.00035	5.0152	.00330	-.00092	10.452	.00337	.00181	.01314
#2	.07194	.00235	.00041	5.0241	.00313	.00005	10.445	.00321	.00107	.01290
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3951.5**	**61021.**	**6337.4**
Stddev	5.0	166.	38.2
%RSD	.12571	.27173	.60337
#1	3955.0	61138.	6310.3
#2	3947.9	60904.	6364.4

Sample Name: CCV-1351954 Acquired: 4/10/2012 11:06:45 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52576**	**.53386**	**1.0393**	**.53585**	**.52062**	**.50878**	**-.00146**	**5.1253**	**.52585**	**.52001**	**.51672**	**.52146**	**2.5993**
Stddev	.00305	.00009	.0023	.00046	.00335	.00313	.00115	.0325	.00042	.00037	.00013	.00174	.0308
%RSD	.58014	.01634	.21801	.08571	.64278	.61565	78.767	.63394	.07919	.07122	.02560	.33401	1.1833
#1	.52360	.53380	1.0377	.53618	.52298	.51099	-.00227	5.1483	.52615	.52027	.51663	.52023	2.6211
#2	.52791	.53392	1.0409	.53553	.51825	.50656	-.00064	5.1024	.52556	.51975	.51682	.52269	2.5776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.319**	**1.0445**	**20.699**	**.51513**	**.51177**	**5.1967**	**.52063**	**1.0420**	**1.0499**	**.00604**	**1.0569**	**1.0754**	**5.1126**
Stddev	.426	.0073	.149	.00387	.00043	.0395	.00008	.0014	.0014	.00532	.0020	.0077	.0024
%RSD	.81495	.69624	.72203	.75130	.08306	.76088	.01580	.13382	.12963	88.099	.19024	.71715	.04775
#1	52.621	1.0496	20.593	.51240	.51207	5.2247	.52069	1.0410	1.0509	.00980	1.0554	1.0700	5.1143
#2	52.018	1.0393	20.805	.51787	.51147	5.1687	.52057	1.0430	1.0490	.00228	1.0583	1.0809	5.1109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.941**	**1.0448**	**.51737**	**-.00159**	**.50993**	**1.0803**	**.00678**	**.51086**	**.51060**	**.51088**
Stddev	.005	.0001	.00335	.00253	.00481	.0028	.02091	.00389	.00637	.00658
%RSD	.04775	.00977	.64841	159.17	.94250	.26322	308.21	.76090	1.2476	1.2875
#1	10.945	1.0448	.51974	.00020	.50653	1.0783	-.00800	.50811	.50609	.51553
#2	10.937	1.0449	.51500	-.00338	.51332	1.0823	.02157	.51361	.51510	.50623
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4046.3**	**63166.**	**6263.6**
Stddev	11.9	89.	87.4
%RSD	.29415	.14120	1.3951
#1	4054.7	63229.	6201.8
#2	4037.9	63103.	6325.4

Sample Name: CCB Acquired: 4/10/2012 11:08:57 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00053**	**.00320**	**.00163**	**.00008**	**.00000**	**-.00232**	**-.00171**	**.00006**	**-.00024**	**-.00008**	**-.00026**	**.00027**
Stddev	.00009	.00038	.00169	.00067	.00003	.0000	.00040	.00048	.00010	.00014	.00006	.00004	.00054
%RSD	14.831	71.956	52.773	40.966	31.574	98.693	17.420	28.331	167.08	57.419	67.639	15.399	201.21
#1	.00066	.00026	.00440	.00211	.00010	.00000	-.00261	-.00205	-.00001	-.00014	-.00012	-.00023	-.00011
#2	.00053	.00079	.00201	.00116	.00006	-.00001	-.00204	-.00137	.00013	-.00034	-.00004	-.00029	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01402**	**.00054**	**.00365**	**.00000**	**.00092**	**-.01282**	**-.00019**	**-.00220**	**.00123**	**.00354**	**-.00008**	**-.00265**	**.00806**
Stddev	.03646	.00096	.00009	.00002	.00048	.00320	.00007	.00286	.00003	.00252	.00365	.00059	.00096
%RSD	260.05	176.52	2.5136	391.18	51.968	24.931	33.988	129.84	2.0812	71.119	4475.8	22.175	11.855
#1	-.01176	.00122	.00371	.00002	.00058	-.01056	-.00024	-.00423	.00125	.00176	.00250	-.00223	.00873
#2	.03980	-.00014	.00358	-.00001	.00126	-.01508	-.00015	-.00018	.00121	.00532	-.00266	-.00306	.00738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01724**	**.00194**	**.00000**	**.00033**	**.00009**	**-.00102**	**.00887**	**.00044**	**.00159**	**.00024**
Stddev	.00204	.00007	.00001	.00022	.00018	.00176	.00382	.00003	.00018	.00115
%RSD	11.855	3.5047	259.24	67.734	193.41	172.31	43.098	6.9749	11.136	470.08
#1	.01869	.00199	.00000	.00049	-.00003	.00022	.00617	.00046	.00147	.00106
#2	.01580	.00189	.00001	.00017	.00022	-.00226	.01158	.00041	.00172	-.00057
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4067.0**	**64256.**	**6201.7**
Stddev	16.0	199.	47.4
%RSD	.39430	.30985	.76426
#1	4078.4	64396.	6235.2
#2	4055.7	64115.	6168.2

Sample Name: CCVL-1351959 Acquired: 4/10/2012 11:11:22 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01036**	**.10768**	**.01619**	**.09751**	**.01062**	**.00098**	**.10926**	**.20477**	**.00518**	**.01050**	**.01026**	**.01529**	**.10169**
Stddev	.00027	.00015	.00169	.00044	.00002	.00004	.00201	.00062	.00003	.00007	.00018	.00009	.00028
%RSD	2.6506	.13683	10.459	.45260	.17393	3.5674	1.8390	.30206	.66227	.65005	1.7754	.57478	.27669
#1	.01017	.10758	.01738	.09720	.01063	.00096	.10784	.20521	.00516	.01055	.01014	.01535	.10149
#2	.01056	.10779	.01499	.09782	.01061	.00101	.11068	.20434	.00521	.01046	.01039	.01523	.10189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1560**	F **.01362**	**.21316**	**.01062**	**.01992**	**1.0582**	**.04178**	**2.8301**	**.00941**	**.00105**	**.00783**	**.01674**	**.48141**
Stddev	.0512	.00103	.00021	.00003	.00005	.0060	.00018	.0044	.00023	.00048	.00079	.00259	.00863
%RSD	1.6237	7.5587	.09641	.29757	.23157	.56643	.43830	.15424	2.4221	45.883	10.046	15.457	1.7926
#1	3.1198	.01290	.21302	.01060	.01995	1.0540	.04165	2.8270	.00957	.00139	.00838	.01491	.47531
#2	3.1923	.01435	.21331	.01064	.01989	1.0624	.04191	2.8332	.00925	.00071	.00727	.01856	.48751
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0302**	**.10224**	**.01046**	**.01486**	**.01009**	**.01376**	**.07789**	**.01021**	**.02226**	**.01645**
Stddev	.0185	.00097	.00004	.00060	.00020	.00091	.01000	.00021	.00012	.00031
%RSD	1.7926	.94809	.35962	4.0719	2.0268	6.6328	12.844	2.1038	.53286	1.8631
#1	1.0172	.10293	.01044	.01528	.01024	.01441	.08496	.01006	.02218	.01624
#2	1.0433	.10156	.01049	.01443	.00995	.01312	.07081	.01036	.02235	.01667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.3**	**64438.**	**6323.5**
Stddev	5.4	341.	.5
%RSD	.13109	.52855	.00802
#1	4120.2	64197.	6323.9
#2	4112.5	64678.	6323.2

Sample Name: lb 280-114424/1-c Acquired: 4/10/2012 11:13:45 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00465**	**.00215**	W **.00747**	W **.00820**	**-.00002**	**-.00210**	W **.11624**	**.00018**	**-.00040**
Stddev	.00021	.00016	.00326	.00033	.00036	.00002	.00051	.00181	.00013	.00015
%RSD	57.554	3.4628	151.42	4.4065	4.3440	126.95	24.231	1.5565	69.680	37.800
#1	.00050	.00454	-.00015	.00724	.00846	.00000	-.00246	.11752	.00027	-.00051
#2	.00021	.00476	.00446	.00771	.00795	-.00004	-.00174	.11496	.00009	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.00500	.00500			.10000		
Low Limit				-.00500	-.00500			-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00253**	**.01666**	**.03893**	**-.00025**	**.01425**	**.00039**	**.00008**	**167.48**	**-.00004**
Stddev	.00006	.00038	.00253	.03343	.00015	.00175	.00002	.00029	.27	.00009
%RSD	20.332	14.892	15.207	85.867	58.974	12.265	4.1791	374.89	.15886	212.64
#1	.00031	.00280	.01845	.01529	-.00035	.01302	.00038	-.00013	167.67	-.00011
#2	.00023	.00226	.01487	.06256	-.00015	.01549	.00041	.00029	167.29	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00090**	F **.03065**	**-.00292**	**.00258**	**.00343**	**.00735**	**-.00027**	**.00039**	**-.00111**
Stddev	.00033	.00020	.00056	.00122	.00088	.01999	.04279	.00044	.00001	.00029
%RSD	135.27	22.234	1.8214	41.674	34.107	582.10	582.10	161.85	1.3291	25.750
#1	-.00048	.00104	.03104	-.00378	.00196	.01757	.03761	.00004	.00039	-.00091
#2	-.00001	.00076	.03025	-.00206	.00321	-.01070	-.02291	-.00059	.00039	-.00131
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00190**	**.01207**	**.00042**	**.00444**	**.00116**
Stddev	.00017	.00160	.01505	.00003	.00004	.00007
%RSD	256.26	84.185	124.72	6.4108	.91859	6.0525
#1	-.00019	-.00077	.00142	.00040	.00441	.00111
#2	.00005	-.00303	.02271	.00044	.00447	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3922.2**	**61292.**	**6324.1**
Stddev	9.0	290.	7.0
%RSD	.22848	.47313	.11095
#1	3928.5	61087.	6329.1
#2	3915.8	61497.	6319.1

Sample Name: lcs 280-114424/2-c Acquired: 4/10/2012 11:16:11 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20202**	W **.37087**	**.77575**	**.19292**	**2.2776**	**.00902**	**.39004**	**9.0355**	**.21625**	**.09154**
Stddev	.00139	.00087	.00404	.00185	.0119	.00010	.00175	.0118	.00096	.00024
%RSD	.68830	.23458	.52114	.96123	.52421	1.0900	.44979	.13045	.44425	.25871
#1	.20104	.37026	.77289	.19161	2.2860	.00909	.38880	9.0271	.21557	.09137
#2	.20301	.37149	.77861	.19423	2.2691	.00895	.39128	9.0438	.21693	.09171
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99130**	**.43914**	**.18405**	**9.4175**	**.18579**	F **8.9023**	**.09409**	**.18508**	F **172.88**	**.09293**
Stddev	.00241	.00089	.00017	.0126	.00125	.0388	.00061	.00053	.58	.00009
%RSD	.24317	.20157	.09443	.13407	.67407	.43528	.64769	.28433	.33465	.10129
#1	.98960	.43851	.18392	9.4265	.18668	8.8749	.09366	.18471	173.29	.09286
#2	.99301	.43977	.18417	9.4086	.18491	8.9297	.09452	.18545	172.47	.09299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8930**	**1.0423**	**.03086**	F **.08405**	**.58305**	F **1.8283**	F **3.9126**	**.37147**	**.18542**	**.18334**
Stddev	.0019	.0027	.00099	.00087	.00250	.0012	.0026	.00104	.00071	.00200
%RSD	.09968	.25606	3.2009	1.0344	.42849	.06600	.06600	.27948	.38465	1.0917
#1	1.8917	1.0404	.03017	.08344	.58129	1.8275	3.9108	.37074	.18592	.18475
#2	1.8943	1.0442	.03156	.08466	.58482	1.8292	3.9144	.37221	.18491	.18192
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.10800		2.3000	4.9220			
Low Limit				.08800		1.8800	4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18728**	**.36854**	**.41666**	**.09231**	**.48338**	**.09144**
Stddev	.00048	.00220	.00156	.00069	.00290	.00134
%RSD	.25718	.59652	.37472	.74613	.59980	1.4638
#1	.18694	.37009	.41556	.09182	.48133	.09239
#2	.18762	.36698	.41776	.09279	.48543	.09050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3902.9**	**60765.**	**6313.6**
Stddev	8.3	8.	15.2
%RSD	.21261	.01333	.24024
#1	3908.7	60759.	6324.3
#2	3897.0	60771.	6302.8

Sample Name: 280-27317-a-1-d Acquired: 4/10/2012 11:18:27 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.05676**	**.00321**	**.02433**	**.09211**	**-.00002**	**-.00170**	**7.5024**	**.00019**	**.00385**
Stddev	.00007	.00036	.00286	.00019	.00080	.00004	.00318	.0460	.00005	.00031
%RSD	15.640	.63960	89.033	.80142	.86367	234.78	187.43	.61308	27.457	8.0285
#1	.00041	.05701	.00119	.02446	.09154	-.00004	-.00394	7.4699	.00015	.00407
#2	.00051	.05650	.00523	.02419	.09267	.00001	.00055	7.5349	.00023	.00364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00488**	**.04147**	**.90331**	**.00045**	**1.4658**	**.54611**	**.00026**	**175.53**	**.00457**
Stddev	.00018	.00016	.00090	.00639	.00085	.0033	.00159	.00044	1.00	.00004
%RSD	36.499	3.2826	2.1603	.70772	191.71	.22380	.29173	167.84	.57169	.89330
#1	.00063	.00476	.04211	.90783	-.00016	1.4634	.54498	-.00005	174.82	.00454
#2	.00037	.00499	.04084	.89879	.00105	1.4681	.54723	.00058	176.24	.00460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09210**	**.00139**	**.14223**	**-.00227**	**.00305**	**.55159**	**1.1804**	**.00019**	**.06929**	**-.00103**
Stddev	.00108	.00156	.00527	.00017	.00155	.01748	.0374	.00030	.00039	.00027
%RSD	1.1780	111.70	3.7063	7.3998	50.916	3.1688	3.1688	156.56	.56157	26.234
#1	.09286	.00250	.13851	-.00215	.00415	.53923	1.1539	-.00002	.06901	-.00122
#2	.09133	.00029	.14596	-.00239	.00195	.56394	1.2068	.00041	.06956	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**-.00087**	**.01301**	**.00131**	**.01736**	**-.00113**
Stddev	.00013	.00000	.00086	.00045	.00011	.00048
%RSD	8.1336	.43292	6.6006	34.496	.61240	42.469
#1	.00151	-.00087	.01240	.00163	.01743	-.00147
#2	.00170	-.00087	.01361	.00099	.01728	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3916.7**	**60793.**	**6334.3**
Stddev	5.1	314.	81.1
%RSD	.12945	.51633	1.2810
#1	3913.1	61015.	6391.7
#2	3920.2	60571.	6276.9

Sample Name: 280-27317-a-2-d Acquired: 4/10/2012 11:20:51 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.08049**	**.00131**	**.02584**	**.15154**	**.00002**	**-.00186**	**13.692**	**.00076**	**.00781**
Stddev	.00017	.00072	.00573	.00061	.00125	.00007	.00001	.014	.00001	.00031
%RSD	50.739	.89334	435.82	2.3602	.82749	386.31	.27041	.10444	1.1224	4.0298
#1	.00021	.07999	-.00274	.02541	.15242	-.00003	-.00186	13.702	.00076	.00758
#2	.00045	.08100	.00537	.02627	.15065	.00006	-.00186	13.682	.00077	.00803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00532**	**.06083**	**.78041**	**.00136**	**3.2688**	**.63120**	**.00002**	**170.83**	**.00994**
Stddev	.00008	.00010	.00212	.03142	.00330	.0107	.00268	.00021	1.33	.00011
%RSD	28.383	1.8481	3.4912	4.0261	242.52	.32573	.42495	1082.8	.77762	1.1075
#1	.00022	.00525	.06233	.80263	.00369	3.2763	.63310	.00017	171.77	.00986
#2	.00034	.00539	.05933	.75819	-.00097	3.2612	.62931	-.00013	169.89	.01001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00559**	**.00197**	**.17590**	**-.00186**	**-.00209**	**.66437**	**1.4218**	**.00066**	**.08907**	**.00031**
Stddev	.00432	.00111	.00311	.00250	.00105	.00793	.0170	.00000	.00045	.00118
%RSD	77.206	56.616	1.7700	134.32	50.462	1.1941	1.1941	.11678	.50801	383.33
#1	.00254	.00276	.17810	-.00009	-.00134	.66998	1.4338	.00066	.08939	-.00053
#2	.00864	.00118	.17370	-.00363	-.00284	.65876	1.4097	.00066	.08875	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00226**	**-.00092**	**-.00301**	**.00111**	**.01604**	**.00048**
Stddev	.00040	.00090	.01937	.00027	.00001	.00197
%RSD	17.804	97.404	642.52	24.514	.07232	410.04
#1	.00198	-.00029	-.01671	.00091	.01603	.00187
#2	.00255	-.00155	.01068	.00130	.01605	-.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3928.7**	**61019.**	**6295.7**
Stddev	12.8	1.	7.6
%RSD	.32532	.00123	.12030
#1	3937.7	61019.	6290.3
#2	3919.7	61018.	6301.1

Sample Name: 280-27317-a-3-d Acquired: 4/10/2012 11:23:15 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.10868**	**-.00217**	**.03503**	**.10673**	**.00006**	**-.00051**	**7.2747**	**.00035**	**.00448**
Stddev	.00005	.00054	.00357	.00077	.00087	.00014	.00209	.0460	.00022	.00005
%RSD	17.854	.49430	165.01	2.1839	.81244	236.96	412.87	.63233	61.990	1.1162
#1	.00022	.10830	.00036	.03449	.10734	-.00004	-.00198	7.3073	.00020	.00444
#2	.00028	.10906	-.00469	.03557	.10612	.00016	.00097	7.2422	.00051	.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00636**	**.08481**	**1.0430**	**.00060**	**1.5973**	**.54911**	**-.00034**	**178.34**	**.00462**
Stddev	.00013	.00002	.00171	.0457	.00118	.0100	.00070	.00029	.75	.00023
%RSD	35.648	.31549	2.0144	4.3843	197.58	.62575	.12818	83.835	.42109	4.9981
#1	.00026	.00635	.08602	1.0107	.00143	1.6044	.54961	-.00055	178.87	.00446
#2	.00044	.00638	.08360	1.0753	-.00024	1.5902	.54862	-.00014	177.81	.00479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12857**	**.00254**	**.20414**	**-.00224**	**.00080**	**.71779**	**1.5361**	**.00146**	**.06891**	**-.00090**
Stddev	.00076	.00111	.00237	.00193	.00126	.01215	.0260	.00058	.00038	.00049
%RSD	.59095	43.758	1.1596	85.927	157.28	1.6926	1.6926	39.527	.55511	54.873
#1	.12911	.00175	.20246	-.00088	-.00009	.72638	1.5545	.00187	.06918	-.00124
#2	.12804	.00333	.20581	-.00361	.00169	.70920	1.5177	.00105	.06864	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00292**	**-.00110**	**.00903**	**.00161**	**.03702**	**.00021**
Stddev	.00039	.00145	.01007	.00023	.00073	.00069
%RSD	13.455	131.32	111.43	14.585	1.9838	331.87
#1	.00320	-.00213	.01615	.00178	.03754	-.00028
#2	.00264	-.00008	.00192	.00144	.03650	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3928.0**	**60921.**	**6277.5**
Stddev	5.7	177.	30.2
%RSD	.14623	.29033	.48123
#1	3924.0	60796.	6256.1
#2	3932.1	61046.	6298.9

Sample Name: 280-27317-a-5-f Acquired: 4/10/2012 11:25:39 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.19197**	**.00531**	**.01821**	**.08303**	**.00003**	**.00008**	**7.3751**	**.00027**	**.00308**
Stddev	.00007	.00006	.00140	.00021	.00027	.00009	.00150	.0438	.00007	.00002
%RSD	24.289	.03262	26.271	1.1498	.32477	267.71	1851.9	.59396	26.101	.61265
#1	.00026	.19201	.00630	.01835	.08283	-.00003	-.00098	7.3441	.00022	.00309
#2	.00036	.19193	.00433	.01806	.08322	.00009	.00114	7.4061	.00032	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00512**	**.13548**	**.90147**	**.00015**	**1.4907**	**.48698**	**-.00032**	**175.95**	**.00378**
Stddev	.00012	.00008	.00333	.02051	.00232	.0053	.00032	.00017	.19	.00006
%RSD	37.216	1.5996	2.4558	2.2748	1510.6	.35745	.06551	53.090	.10533	1.6264
#1	.00023	.00506	.13783	.88697	.00179	1.4869	.48720	-.00044	175.82	.00383
#2	.00040	.00517	.13313	.91597	-.00149	1.4944	.48675	-.00020	176.08	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23181**	**.00034**	**.16125**	**-.00025**	**.00185**	**.85124**	**1.8216**	**.00010**	**.06764**	**.00006**
Stddev	.00152	.00066	.00407	.00013	.00058	.01330	.0285	.00162	.00020	.00004
%RSD	.65705	195.27	2.5225	51.524	31.297	1.5623	1.5623	1567.1	.29351	58.387
#1	.23073	-.00013	.16412	-.00016	.00226	.84183	1.8015	-.00104	.06750	.00009
#2	.23289	.00081	.15837	-.00034	.00144	.86064	1.8418	.00125	.06778	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00563**	**-.00054**	**-.01213**	**.00181**	**.01647**	**.00122**
Stddev	.00012	.00020	.00284	.00026	.00038	.00214
%RSD	2.0778	36.776	23.396	14.187	2.2962	175.28
#1	.00571	-.00068	-.01012	.00163	.01620	.00273
#2	.00554	-.00040	-.01413	.00199	.01674	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3935.3**	**61001.**	**6276.9**
Stddev	5.6	28.	18.5
%RSD	.14189	.04539	.29420
#1	3939.3	60981.	6263.8
#2	3931.4	61020.	6290.0

Sample Name: 280-27317-a-5-fSD@5 Acquired: 4/10/2012 11:28:03 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.04108**	**.00006**	**.00355**	**.01661**	**.00009**	**-.00270**	**1.4834**	**.00012**	**.00053**
Stddev	.00015	.00025	.00018	.00041	.00037	.00013	.00083	.0165	.00021	.00002
%RSD	28.359	.60016	320.08	11.647	2.2296	153.79	30.706	1.1148	176.27	4.2976
#1	.00064	.04091	.00019	.00384	.01635	-.00001	-.00329	1.4717	-.00003	.00051
#2	.00043	.04126	-.00007	.00325	.01687	.00018	-.00212	1.4951	.00027	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00126**	**.02799**	**.24430**	**-.00092**	**.31164**	**.09756**	**-.00001**	**35.193**	**.00083**
Stddev	.00014	.00023	.00085	.00351	.00022	.00062	.00004	.00006	.160	.00002
%RSD	183.08	18.388	3.0356	1.4371	23.468	.19950	.04265	393.90	.45563	2.5630
#1	-.00002	.00142	.02859	.24679	-.00077	.31208	.09753	.00003	35.079	.00082
#2	.00018	.00109	.02739	.24182	-.00107	.31120	.09759	-.00006	35.306	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04420**	**.00128**	**.03525**	**-.00126**	**.00047**	**.17576**	**.37614**	**.00101**	**.01352**	**-.00112**
Stddev	.00314	.00034	.00236	.00284	.00141	.02175	.04655	.00030	.00014	.00234
%RSD	7.0924	26.606	6.6937	224.46	302.69	12.377	12.377	29.150	1.0179	208.91
#1	.04642	.00104	.03358	-.00327	-.00053	.16038	.34322	.00122	.01342	-.00278
#2	.04199	.00152	.03692	.00074	.00146	.19115	.40906	.00081	.01361	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**-.00121**	**.00558**	**.00038**	**.00487**	**.00032**
Stddev	.00041	.00061	.01706	.00019	.00009	.00149
%RSD	44.871	50.633	305.67	50.321	1.8122	467.78
#1	.00121	-.00078	.01764	.00052	.00481	-.00074
#2	.00063	-.00164	-.00648	.00025	.00493	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4054.7**	**63714.**	**6280.0**
Stddev	5.8	46.	81.3
%RSD	.14315	.07242	1.2952
#1	4050.5	63681.	6337.5
#2	4058.8	63746.	6222.5

Sample Name: 280-27317-a-5-g ms Acquired: 4/10/2012 11:30:27 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21089	.57983	.79554	.20906	2.4314	.00940	F .39760	16.058	.22311	.09733
Stddev	.00005	.00083	.00066	.00155	.0670	.00021	.00041	.430	.00087	.00019
%RSD	.02434	.14372	.08338	.74147	2.7554	2.2298	.10292	2.6796	.39095	.19611
#1	.21085	.58042	.79601	.20797	2.3840	.00925	.39731	15.754	.22249	.09747
#2	.21093	.57924	.79507	.21016	2.4787	.00954	.39789	16.363	.22373	.09720
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0251	.46029	.32782	10.576	.19013	10.659	.57037	.19144	176.85	.09944
Stddev	.0009	.00047	.00872	.297	.00428	.023	.00072	.00066	5.13	.00080
%RSD	.08656	.10274	2.6610	2.8047	2.2509	.21736	.12581	.34374	2.9006	.80412
#1	1.0245	.46062	.32166	10.367	.18710	10.642	.56986	.19098	173.23	.09887
#2	1.0258	.45995	.33399	10.786	.19316	10.675	.57088	.19191	180.48	.10000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1790	1.0591	.16418	.08688	.60663	2.7022	5.7828	.38283	.25558	.19145
Stddev	.0071	.0043	.00050	.00053	.00237	.0874	.1870	.00210	.00670	.00096
%RSD	.32743	.41036	.30271	.60709	.39020	3.2345	3.2345	.54908	2.6229	.50151
#1	2.1740	1.0561	.16383	.08651	.60496	2.6404	5.6505	.38135	.25084	.19213
#2	2.1841	1.0622	.16453	.08726	.60831	2.7640	5.9150	.38432	.26032	.19077
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19784	.37961	.42413	.09782	.50858	.09289
Stddev	.00010	.00266	.01948	.00027	.00237	.00441
%RSD	.04985	.69976	4.5940	.27228	.46643	4.7476
#1	.19777	.37773	.43791	.09763	.50691	.08977
#2	.19791	.38149	.41035	.09801	.51026	.09601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3931.7	60608.	6383.1
Stddev	18.7	217.	131.8
%RSD	.47559	.35875	2.0642
#1	3944.9	60762.	6476.2
#2	3918.5	60454.	6289.9

Sample Name: 280-27317-a-5-h msd Acquired: 4/10/2012 11:32:43 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20613	.55876	.78373	.20387	2.3999	.00923	F .39043	15.860	.21893	.09520
Stddev	.00041	.00196	.00647	.00101	.0090	.00001	.00171	.048	.00029	.00039
%RSD	.19826	.35018	.82591	.49482	.37637	.06981	.43800	.30057	.13403	.40976
#1	.20584	.55738	.78831	.20316	2.3935	.00922	.38922	15.826	.21914	.09492
#2	.20642	.56015	.77916	.20458	2.4063	.00923	.39164	15.894	.21873	.09547
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0043	.44864	.31791	10.440	.18817	10.383	.55673	.18812	174.48	.09700
Stddev	.0020	.00062	.00178	.026	.00043	.002	.00026	.00011	.95	.00055
%RSD	.19892	.13888	.56143	.24828	.22955	.02397	.04699	.05911	.54210	.56804
#1	1.0028	.44908	.31665	10.422	.18786	10.385	.55692	.18804	173.81	.09661
#2	1.0057	.44820	.31917	10.459	.18847	10.381	.55655	.18819	175.15	.09739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1265	1.0381	.15809	.08569	.59839	2.6507	5.6725	.37448	.25204	.18669
Stddev	.0012	.0009	.00042	.00017	.00835	.0162	.0346	.00199	.00139	.00152
%RSD	.05629	.08720	.26490	.20178	1.3960	.60965	.60965	.53222	.55136	.81516
#1	2.1274	1.0375	.15780	.08556	.59248	2.6393	5.6480	.37588	.25106	.18562
#2	2.1257	1.0388	.15839	.08581	.60430	2.6621	5.6970	.37307	.25302	.18777
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19322	.37481	.42249	.09550	.49396	.09270
Stddev	.00045	.00415	.00637	.00086	.00253	.00177
%RSD	.23537	1.1061	1.5083	.90401	.51287	1.9122
#1	.19290	.37188	.42699	.09611	.49575	.09395
#2	.19354	.37774	.41798	.09489	.49216	.09145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3923.3	60934.	6344.4
Stddev	9.4	203.	9.1
%RSD	.23870	.33243	.14386
#1	3929.9	61077.	6337.9
#2	3916.7	60791.	6350.9

Sample Name: 280-27317-a-5-fPDS Acquired: 4/10/2012 11:34:59 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05395**	**1.1678**	**.21436**	**.12418**	**.18541**	**.05101**	**-.00353**	**27.177**	**.05305**	**.05360**
Stddev	.00096	.0034	.00108	.00027	.00079	.00006	.00129	.167	.00032	.00012
%RSD	1.7852	.28644	.50486	.22107	.42636	.11182	36.387	.61318	.61182	.22544
#1	.05463	1.1702	.21359	.12438	.18485	.05097	-.00444	27.059	.05328	.05368
#2	.05327	1.1655	.21512	.12399	.18597	.05105	-.00262	27.294	.05282	.05351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05151**	**.05740**	**1.1670**	**22.001**	**.10573**	**20.965**	**.52517**	**.05234**	**193.65**	**.05479**
Stddev	.00009	.00058	.0061	.016	.00009	.117	.00220	.00025	1.02	.00020
%RSD	.16874	1.0130	.52266	.07428	.08354	.55715	.41888	.47141	.52554	.35651
#1	.05157	.05781	1.1627	21.989	.10579	21.048	.52673	.05216	192.93	.05493
#2	.05145	.05699	1.1713	22.012	.10567	20.883	.52362	.05251	194.37	.05466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3326**	**.10124**	**.16871**	**.10375**	**.21462**	**5.9880**	**12.814**	**.10485**	**.11963**	**.20545**
Stddev	.0032	.00143	.00260	.00000	.00251	.0789	.169	.00045	.00017	.00021
%RSD	.13885	1.4146	1.5414	.00259	1.1684	1.3179	1.3179	.42804	.14263	.10436
#1	2.3303	.10225	.17055	.10375	.21639	5.9322	12.695	.10517	.11951	.20530
#2	2.3349	.10023	.16687	.10375	.21284	6.0438	12.934	.10453	.11975	.20560
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05863**	**.20062**	**.53719**	**.05381**	**.21988**	**.05329**
Stddev	.00007	.00026	.00658	.00049	.00066	.00017
%RSD	.11229	.12817	1.2243	.91911	.29912	.31692
#1	.05858	.20044	.53254	.05346	.22035	.05341
#2	.05868	.20080	.54184	.05416	.21942	.05317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3908.5**	**60723.**	**6321.1**
Stddev	.5	3.	14.0
%RSD	.01196	.00539	.22120
#1	3908.2	60725.	6331.0
#2	3908.9	60720.	6311.2

Sample Name: CCVH-1351956 Acquired: 4/10/2012 11:37:18 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**50.980**	**.00058**	**.00142**	**.00044**	**-.00001**	**1.0407**	**-.00354**	**-.00006**	**.00022**	**.00026**	**.00625**
Stddev	.00014	.073	.00639	.00029	.00010	.00003	.0042	.00284	.00005	.00057	.00001	.00022
%RSD	6.5074	.14276	1105.2	20.647	22.078	440.42	.40085	80.247	82.669	253.50	2.1815	3.5631
#1	.00223	50.929	.00509	.00163	.00050	.00001	1.0436	-.00153	-.00002	-.00018	.00026	.00641
#2	.00203	51.032	-.00394	.00122	.00037	-.00003	1.0377	-.00555	-.00009	.00062	.00025	.00609
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.158**	**.08851**	**.00094**	**.02773**	**.00030**	**-.00080**	**260.71**	**.00154**	**.00209**	**-.00287**	**5.0606**	**-.00450**
Stddev	.028	.00630	.00047	.01134	.00031	.00004	.32	.00056	.00082	.00048	.0048	.00081
%RSD	.05400	7.1157	49.656	40.901	102.57	4.9895	.12426	36.308	39.219	16.806	.09519	17.934
#1	51.178	.09296	.00061	.03575	.00052	-.00078	260.94	.00115	.00151	-.00321	5.0640	-.00507
#2	51.139	.08405	.00127	.01971	.00008	-.00083	260.48	.00194	.00267	-.00253	5.0571	-.00393
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00544**	**.01928**	**.04127**	**.00252**	**.00037**	W **5.2790**	**.00135**	**-.00058**	**10.489**	**.00240**	**.00146**	**-.00226**
Stddev	.00627	.01044	.02235	.00039	.00009	.3887	.00010	.00116	.687	.00056	.00031	.02343
%RSD	115.17	54.151	54.151	15.389	23.301	7.3640	7.2041	198.83	6.5493	23.408	21.388	1038.9
#1	-.00101	.01190	.02546	.00225	.00043	5.5539	.00142	.00024	10.975	.00279	.00169	-.01883
#2	-.00987	.02667	.05707	.00280	.00031	5.0041	.00128	-.00140	10.003	.00200	.00124	.01432
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3975.7**	**59135.**	**6386.1**
Stddev	4.6	3474.	13.6
%RSD	.11522	5.8741	.21270
#1	3978.9	56679.	6376.5
#2	3972.5	61591.	6395.7

Sample Name: CCV-1351954 Acquired: 4/10/2012 11:39:38 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52645**	**.52151**	**1.0071**	**.51897**	**.51633**	**.50112**	**-.00223**	**5.0354**	**.51944**	**.51345**	**.51138**	**.52267**	**2.5880**
Stddev	.00360	.00349	.0113	.00185	.00243	.00280	.00070	.0237	.00401	.00397	.00385	.00332	.0101
%RSD	.68300	.66892	1.1213	.35688	.47107	.55781	31.257	.47029	.77243	.77350	.75271	.63576	.39052
#1	.52899	.52398	1.0151	.52028	.51461	.49914	-.00273	5.0186	.52227	.51625	.51410	.52502	2.5952
#2	.52391	.51905	.99915	.51766	.51805	.50309	-.00174	5.0521	.51660	.51064	.50866	.52032	2.5809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.562**	**1.0314**	**20.446**	**.51277**	**.50565**	**5.3041**	**.51389**	**1.0234**	**1.0162**	**.00128**	**1.0311**	**1.0500**	**4.9791**
Stddev	.129	.0048	.145	.00403	.00402	.0624	.00270	.0065	.0065	.00274	.0073	.0097	.0105
%RSD	.25076	.46324	.71070	.78565	.79446	1.1769	.52613	.63246	.64072	214.09	.70892	.91886	.21118
#1	51.471	1.0280	20.549	.51562	.50849	5.3482	.51581	1.0280	1.0208	-.00066	1.0362	1.0568	4.9717
#2	51.653	1.0348	20.343	.50992	.50281	5.2599	.51198	1.0188	1.0116	.00322	1.0259	1.0432	4.9866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.655**	**1.0328**	**.51149**	**-.00045**	**.50534**	**1.0653**	**-.01210**	**.50739**	**.49941**	**.50508**
Stddev	.022	.0057	.00158	.00015	.00321	.0082	.01169	.00196	.00303	.00173
%RSD	.21118	.54754	.30919	32.247	.63565	.76732	96.647	.38586	.60711	.34300
#1	10.639	1.0368	.51037	-.00035	.50761	1.0711	-.00383	.50878	.50155	.50386
#2	10.671	1.0288	.51261	-.00056	.50307	1.0596	-.02036	.50601	.49726	.50631
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4047.9**	**62845.**	**6324.8**
Stddev	12.4	328.	10.1
%RSD	.30701	.52173	.15900
#1	4039.1	62613.	6331.9
#2	4056.7	63077.	6317.7

Sample Name: CCB Acquired: 4/10/2012 11:41:50 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00065**	**.00230**	**.00006**	**.00056**	**.00025**	**-.00313**	**.00124**	**.00019**	**.00011**	**-.00011**	**-.00060**	**.00174**
Stddev	.00017	.00029	.00444	.00019	.00015	.00010	.00169	.00113	.00012	.00006	.00015	.00013	.00128
%RSD	42.172	45.450	193.11	301.51	27.120	40.851	54.036	91.647	61.143	50.760	134.28	22.655	73.443
#1	.00028	.00044	-.00084	-.00007	.00066	.00032	-.00432	.00204	.00027	.00015	-.00022	-.00050	.00265
#2	.00053	.00086	.00544	.00019	.00045	.00018	-.00193	.00044	.00011	.00007	-.00001	-.00069	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04271**	**.00110**	**.00818**	**.00015**	**.00096**	**.05982**	**.00009**	**-.00004**	**.00087**	**-.00345**	**-.00011**	**.00084**	**-.00339**
Stddev	.00506	.00053	.00183	.00001	.00032	.01119	.00001	.00175	.00064	.00360	.00099	.00167	.00071
%RSD	11.853	48.202	22.353	4.3147	33.847	18.707	7.5666	4084.6	73.752	104.36	870.22	199.30	20.935
#1	.03913	.00073	.00947	.00015	.00073	.06773	.00009	-.00128	.00041	-.00090	-.00082	.00202	-.00389
#2	.04629	.00148	.00689	.00014	.00119	.05191	.00010	.00120	.00132	-.00599	.00059	-.00034	-.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00726**	**.00148**	**.00027**	**-.00061**	**.00022**	**-.00085**	**.02820**	**.00012**	**.00124**	**.00147**
Stddev	.00152	.00040	.00011	.00097	.00006	.00008	.00046	.00025	.00010	.00039
%RSD	20.935	27.035	38.813	159.72	25.116	9.3312	1.6362	202.75	8.3701	26.495
#1	-.00833	.00119	.00035	-.00130	.00026	-.00091	.02787	.00030	.00132	.00120
#2	-.00619	.00176	.00020	.00008	.00018	-.00080	.02853	-.00005	.00117	.00175
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4082.3**	**64604.**	**6282.2**
Stddev	4.8	391.	46.2
%RSD	.11684	.60498	.73523
#1	4085.7	64328.	6249.6
#2	4079.0	64881.	6314.9

Sample Name: CCVL-1351959 Acquired: 4/10/2012 11:44:16 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.10774**	**.01737**	**.09560**	**.01057**	**.00097**	**.10947**	**.20747**	**.00530**	**.01056**	**.01027**	**.01559**	**.10216**
Stddev	.00020	.00085	.00280	.00013	.00022	.00007	.00112	.00146	.00001	.00011	.00011	.00030	.00030
%RSD	1.8784	.78477	16.109	.14001	2.0465	6.9628	1.0254	.70130	.26747	1.0638	1.0587	1.9235	.29170
#1	.01066	.10834	.01539	.09569	.01072	.00102	.10868	.20850	.00529	.01064	.01019	.01580	.10237
#2	.01095	.10714	.01935	.09550	.01042	.00092	.11027	.20645	.00531	.01048	.01034	.01538	.10195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2250**	**.01164**	**.21279**	**.01051**	**.01959**	**1.1219**	**.04160**	**2.8039**	**.01154**	**.00001**	**.00878**	**.01403**	**.49738**
Stddev	.0037	.00087	.00444	.00020	.00006	.0034	.00020	.0131	.00114	.00407	.00129	.00162	.00282
%RSD	.11581	7.4400	2.0873	1.9040	.30377	.30483	.47032	.46814	9.8676	38065.	14.684	11.516	.56644
#1	3.2224	.01103	.21594	.01065	.01963	1.1243	.04174	2.8132	.01234	-.00287	.00787	.01289	.49538
#2	3.2277	.01226	.20965	.01036	.01955	1.1195	.04146	2.7947	.01073	.00289	.00969	.01517	.49937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0644**	**.10162**	**.01057**	**.01505**	**.01011**	**.01390**	F **.07949**	**.01066**	**.02102**	**.01603**
Stddev	.0060	.00031	.00001	.00205	.00015	.00051	.00666	.00037	.00060	.00014
%RSD	.56644	.30533	.09925	13.598	1.4992	3.6359	8.3845	3.4347	2.8450	.86086
#1	1.0601	.10140	.01056	.01649	.01022	.01355	.07478	.01092	.02144	.01593
#2	1.0686	.10184	.01058	.01360	.01000	.01426	.08420	.01040	.02060	.01613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4123.7**	**64717.**	**6257.2**
Stddev	20.7	1220.	16.3
%RSD	.50237	1.8843	.26084
#1	4109.0	63855.	6245.7
#2	4138.3	65579.	6268.8

Sample Name: mb 280-114545/1-a Acquired: 4/10/2012 11:46:38 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00212**	**-.00071**	**.00014**	**.00015**	**-.00001**	**-.00300**	**.00760**	**.00025**	**.00001**
Stddev	.00027	.00023	.00308	.00063	.00001	.00001	.00009	.00085	.00022	.00021
%RSD	218.07	11.068	435.09	437.90	3.6966	105.34	2.8925	11.251	89.649	1826.8
#1	.00031	.00196	-.00288	.00059	.00014	-.00001	-.00306	.00820	.00040	-.00014
#2	-.00007	.00229	.00147	-.00030	.00015	.00000	-.00294	.00699	.00009	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00037**	**.00101**	**.03530**	**.00176**	**.00258**	**.00005**	**.00002**	**.03545**	**-.00018**
Stddev	.00000	.00016	.00091	.02251	.00069	.00028	.00003	.00011	.01339	.00053
%RSD	.83281	44.155	90.024	63.765	39.219	10.823	60.892	579.18	37.761	295.96
#1	-.00009	-.00049	.00037	.01938	.00127	.00277	.00003	.00010	.02599	.00020
#2	-.00009	-.00025	.00165	.05121	.00225	.00238	.00007	-.00006	.04492	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00031**	**.00149**	**-.00210**	**.00236**	W **.00791**	**.01693**	**.00044**	**.00006**	**.00003**
Stddev	.00017	.00011	.00169	.00032	.00003	.00499	.01067	.00014	.00001	.00034
%RSD	325.60	35.770	113.29	15.241	1.4221	63.004	63.004	32.681	20.737	1101.1
#1	-.00007	.00023	.00030	-.00187	.00233	.00439	.00939	.00034	.00007	-.00021
#2	.00017	.00039	.00269	-.00232	.00238	.01144	.02448	.00054	.00005	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.00500				
Low Limit						-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00121**	**.02397**	**.00036**	**.00259**	**.00176**
Stddev	.00008	.00196	.00012	.00027	.00017	.00132
%RSD	28.161	162.06	.50173	76.022	6.6118	75.154
#1	.00022	.00018	.02405	.00017	.00247	.00269
#2	.00033	-.00259	.02388	.00055	.00271	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.7**	**65238.**	**6338.0**
Stddev	7.2	227.	3.9
%RSD	.17285	.34845	.06113
#1	4144.6	65078.	6335.3
#2	4154.8	65399.	6340.8

Sample Name: lcs 280-114545/2-a Acquired: 4/10/2012 11:52:10 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05352**	**1.9197**	**1.0131**	**1.0195**	**2.0511**	**.05041**	**2.1364**	**49.574**	**.10385**	**.49885**
Stddev	.00044	.0003	.0047	.0032	.0056	.00008	.0068	.099	.00036	.00037
%RSD	.81331	.01614	.46175	.30923	.27365	.15967	.31796	.20020	.34619	.07407
#1	.05383	1.9195	1.0164	1.0217	2.0471	.05035	2.1412	49.504	.10410	.49911
#2	.05322	1.9199	1.0098	1.0172	2.0551	.05047	2.1316	49.644	.10359	.49859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20190**	**.26133**	**1.0267**	**51.690**	**1.0305**	**49.563**	**.50888**	**1.0144**	**53.905**	**.50450**
Stddev	.00044	.00092	.0059	.064	.0004	.372	.00309	.0030	.274	.00038
%RSD	.21913	.35076	.57573	.12325	.03504	.75006	.60757	.29608	.50782	.07603
#1	.20222	.26197	1.0225	51.645	1.0302	49.301	.50669	1.0166	53.711	.50478
#2	.20159	.26068	1.0309	51.735	1.0307	49.826	.51106	1.0123	54.098	.50423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.197**	**.50149**	**.00978**	**.49149**	**2.0782**	**10.047**	F **21.501**	**2.0227**	**1.0296**	**1.0082**
Stddev	.042	.00174	.00219	.00417	.0067	.096	.205	.0035	.0017	.0043
%RSD	.41500	.34766	22.353	.84779	.32407	.95407	.95407	.17085	.16587	.43049
#1	10.227	.50272	.01132	.49444	2.0830	9.9792	21.356	2.0251	1.0284	1.0051
#2	10.167	.50026	.00823	.48854	2.0735	10.115	21.646	2.0202	1.0308	1.0113
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0137**	**2.0509**	**2.1755**	**.50961**	**.48536**	**.51240**
Stddev	.0059	.0068	.0047	.00362	.00671	.00086
%RSD	.58243	.32983	.21555	.71038	1.3822	.16781
#1	1.0095	2.0557	2.1722	.50705	.48061	.51301
#2	1.0178	2.0461	2.1789	.51217	.49010	.51179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3929.8**	**61427.**	**6259.7**
Stddev	11.3	142.	2.6
%RSD	.28703	.23187	.04172
#1	3921.9	61527.	6257.9
#2	3937.8	61326.	6261.6

Sample Name: lcsd 280-114545/3-a Acquired: 4/10/2012 11:54:19 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05346**	**1.9262**	**1.0198**	**1.0273**	**2.0358**	**.05008**	F **2.1508**	**49.173**	**.10410**	**.49823**
Stddev	.00012	.0010	.0008	.0040	.0004	.00009	.0123	.035	.00007	.00043
%RSD	.23128	.04949	.07971	.39003	.02047	.17694	.57278	.07211	.06417	.08693
#1	.05355	1.9256	1.0204	1.0302	2.0355	.05002	2.1595	49.148	.10415	.49793
#2	.05338	1.9269	1.0193	1.0245	2.0361	.05015	2.1421	49.198	.10406	.49854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20162**	**.26044**	**1.0093**	**51.253**	**1.0267**	**49.461**	**.50643**	**1.0170**	**53.529**	**.50495**
Stddev	.00023	.00029	.0028	.027	.0038	.032	.00030	.0011	.045	.00094
%RSD	.11450	.11146	.27315	.05302	.37290	.06494	.05991	.11024	.08372	.18698
#1	.20178	.26065	1.0112	51.233	1.0240	49.484	.50664	1.0162	53.560	.50429
#2	.20146	.26024	1.0073	51.272	1.0294	49.438	.50621	1.0178	53.497	.50562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.245**	**.50476**	**.01171**	**.49603**	**2.0709**	**10.007**	**21.414**	W **2.0256**	**1.0207**	**1.0061**
Stddev	.003	.00241	.00241	.00075	.0101	.008	.017	.0031	.0008	.0015
%RSD	.02872	.47764	20.571	.15194	.48604	.07904	.07904	.15354	.08316	.15081
#1	10.247	.50305	.01342	.49656	2.0781	10.012	21.426	2.0278	1.0213	1.0071
#2	10.243	.50646	.01001	.49550	2.0638	10.001	21.402	2.0234	1.0201	1.0050
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0154**	**2.0466**	**2.1716**	**.50770**	**.48587**	**.50882**
Stddev	.0014	.0004	.0023	.00003	.00178	.00228
%RSD	.13971	.02117	.10503	.00617	.36628	.44797
#1	1.0164	2.0463	2.1700	.50768	.48713	.51043
#2	1.0144	2.0469	2.1732	.50772	.48461	.50721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3912.4**	**61373.**	**6328.7**
Stddev	13.2	119.	10.9
%RSD	.33803	.19330	.17233
#1	3903.0	61289.	6336.4
#2	3921.7	61457.	6321.0

Sample Name: 280-27123-g-11-i Acquired: 4/10/2012 11:56:27 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00341**	**-.00046**	**.00128**	**.00014**	**.00001**	**-.00111**	**.00908**	**.00011**	**-.00007**
Stddev	.00003	.00016	.00086	.00020	.00010	.00005	.00082	.00213	.00001	.00012
%RSD	6.1458	4.8364	188.61	15.913	73.236	372.92	73.716	23.448	13.355	174.61
#1	.00050	.00352	-.00106	.00114	.00021	-.00002	-.00169	.00758	.00012	.00002
#2	.00055	.00329	.00015	.00143	.00007	.00005	-.00053	.01059	.00010	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00027**	**.00673**	**.02578**	**.00077**	**.00428**	**.00014**	**.00193**	**.05706**	**-.00018**
Stddev	.00013	.00004	.00052	.00952	.00338	.00021	.00003	.00089	.00777	.00006
%RSD	388.49	13.837	7.6883	36.920	437.21	4.8143	19.970	46.275	13.616	31.305
#1	-.00012	-.00029	.00636	.01905	-.00162	.00443	.00012	.00130	.06255	-.00022
#2	.00006	-.00024	.00709	.03251	.00317	.00413	.00015	.00256	.05157	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00128**	**.00151**	**-.00188**	**-.00082**	**.00132**	**.00282**	**.00048**	**.00006**	**-.00041**
Stddev	.00103	.00035	.00056	.00215	.00545	.00012	.00025	.00002	.00005	.00141
%RSD	191.25	27.295	36.840	114.69	662.87	8.9694	8.9694	4.9149	85.031	348.44
#1	.00127	.00104	.00190	-.00035	-.00468	.00140	.00300	.00046	.00009	-.00140
#2	-.00019	.00153	.00112	-.00340	.00303	.00124	.00264	.00050	.00002	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00037**	**-.00019**	**.00036**	**.00266**	**-.00030**
Stddev	.00008	.00072	.00107	.00016	.00038	.00030
%RSD	21.450	196.48	575.75	44.010	14.299	100.35
#1	.00030	.00014	.00057	.00025	.00293	-.00051
#2	.00041	-.00088	-.00094	.00048	.00239	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4128.1**	**65344.**	**6397.3**
Stddev	4.5	271.	5.2
%RSD	.10905	.41548	.08127
#1	4131.3	65536.	6393.6
#2	4124.9	65152.	6400.9

Sample Name: 280-27123-g-11-iSD@5 Acquired: 4/10/2012 11:58:52 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00060**	**.00242**	**.00044**	**.00028**	**.00000**	**-.00275**	**.00280**	**.00003**	**-.00007**
Stddev	.00067	.00001	.00130	.00030	.00006	.0001	.00243	.00211	.00004	.00008
%RSD	144.83	1.6804	53.698	68.856	21.364	12904.	88.371	75.319	122.00	119.75
#1	.00094	.00061	.00150	.00022	.00032	-.00004	-.00446	.00131	.00006	-.00012
#2	-.00001	.00060	.00334	.00065	.00023	.00004	-.00103	.00429	.00000	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00051**	**.00133**	**.02130**	**.00078**	**.00445**	**.00004**	**.00024**	**.02601**	**-.00022**
Stddev	.00015	.00008	.00106	.00089	.00144	.00038	.00007	.00044	.00415	.00001
%RSD	226.01	14.789	79.462	4.1799	185.86	8.5425	180.66	185.88	15.953	4.3989
#1	.00004	-.00046	.00208	.02193	-.00024	.00472	-.00001	-.00007	.02307	-.00023
#2	-.00017	-.00057	.00058	.02067	.00180	.00418	.00009	.00055	.02894	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.00130**	**.01339**	**-.00304**	**-.00082**	**.00888**	**.01901**	**.00019**	**.00005**	**-.00045**
Stddev	.00161	.00024	.00197	.00063	.00183	.00485	.01038	.00014	.00001	.00234
%RSD	114.92	18.405	14.683	20.751	223.60	54.605	54.605	72.197	29.440	522.87
#1	-.00253	.00113	.01200	-.00260	.00048	.00545	.01167	.00029	.00006	.00121
#2	-.00026	.00147	.01478	-.00349	-.00212	.01231	.02635	.00009	.00004	-.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00094**	**.01135**	**-.00013**	**.00238**	**.00037**
Stddev	.00030	.00145	.01259	.00004	.00035	.00054
%RSD	1215.5	154.33	110.87	29.917	14.896	147.40
#1	.00024	-.00196	.00245	-.00010	.00213	.00075
#2	-.00019	.00009	.02025	-.00016	.00263	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4105.5**	**64582.**	**6290.0**
Stddev	19.3	427.	8.4
%RSD	.46914	.66134	.13308
#1	4119.1	64884.	6295.9
#2	4091.8	64280.	6284.1

Sample Name: 280-27123-g-11-iPDS Acquired: 4/10/2012 12:01:18 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05203**	**1.0174**	**.20217**	**.10536**	**.10583**	**.05107**	**-.00388**	**20.332**	**.05208**	**.05081**
Stddev	.00013	.0141	.00143	.00182	.00023	.00039	.00019	.112	.00112	.00129
%RSD	.25707	1.3890	.70811	1.7258	.22014	.76222	5.0101	.55305	2.1434	2.5396
#1	.05212	1.0274	.20318	.10665	.10599	.05135	-.00374	20.411	.05287	.05172
#2	.05193	1.0074	.20115	.10407	.10566	.05080	-.00402	20.252	.05129	.04990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05161**	**.05312**	**1.0462**	**21.058**	**.10623**	**20.035**	**.05220**	**.05195**	**22.161**	**.05090**
Stddev	.00073	.00015	.0051	.092	.00005	.133	.00036	.00093	.148	.00034
%RSD	1.4187	.29026	.48352	.43720	.05053	.66350	.68534	1.7890	.66824	.66030
#1	.05213	.05301	1.0497	21.123	.10627	19.941	.05195	.05261	22.266	.05114
#2	.05109	.05323	1.0426	20.993	.10619	20.129	.05246	.05129	22.056	.05067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0186**	**.10069**	**.00644**	**.10214**	**.20804**	**5.1798**	**11.085**	**.10670**	**.05408**	**.20305**
Stddev	.0363	.00132	.00007	.00170	.00233	.0167	.036	.00156	.00019	.00389
%RSD	1.7991	1.3128	1.1195	1.6604	1.1202	.32214	.32214	1.4603	.36043	1.9152
#1	2.0443	.10162	.00650	.10334	.20639	5.1916	11.110	.10780	.05422	.20030
#2	1.9929	.09976	.00639	.10094	.20969	5.1680	11.060	.10560	.05394	.20580
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05263**	**.21350**	**.55330**	**.05208**	**.20234**	**.05424**
Stddev	.00019	.00114	.00101	.00001	.00193	.00163
%RSD	.35827	.53291	.18292	.01312	.95609	3.0133
#1	.05250	.21430	.55259	.05209	.20097	.05309
#2	.05277	.21269	.55402	.05208	.20371	.05540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4030.6**	**63421.**	**6323.1**
Stddev	49.9	323.	17.6
%RSD	1.2373	.50942	.27899
#1	3995.3	63649.	6310.7
#2	4065.9	63192.	6335.6

Sample Name: CCVH-1351956 Acquired: 4/10/2012 12:03:38 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**51.672**	**.00152**	**.00152**	**.00046**	**.00003**	**1.0258**	**-.00531**	**.00006**	**.00007**	**.00020**	**.00480**	**51.562**
Stddev	.00031	.021	.00044	.00006	.00010	.00007	.0076	.00094	.00014	.00018	.00017	.00024	.239
%RSD	16.776	.04122	28.946	3.8161	22.663	235.57	.73953	17.751	231.22	264.63	85.392	4.8996	.46362
#1	.00163	51.657	.00121	.00156	.00053	-.00002	1.0205	-.00465	-.00004	.00019	.00008	.00463	51.393
#2	.00207	51.687	.00183	.00148	.00039	.00008	1.0312	-.00598	.00016	-.00006	.00032	.00497	51.731
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05115**	**.00085**	**.01989**	**-.00004**	**-.00051**	**262.89**	**.00162**	**-.00015**	**-.00158**	**5.0116**	**-.00309**	**.00288**	**.02100**
Stddev	.04875	.00003	.00065	.00007	.00037	.75	.00009	.00078	.00213	.0018	.00037	.00123	.00451
%RSD	95.307	3.5541	3.2870	192.89	72.750	.28521	5.8277	533.20	134.73	.03552	11.856	42.713	21.464
#1	.01668	.00087	.01943	.00001	-.00025	262.36	.00156	.00041	-.00007	5.0104	-.00283	.00375	.01782
#2	.08562	.00083	.02036	-.00009	-.00077	263.42	.00169	-.00070	-.00309	5.0129	-.00334	.00201	.02419
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04495**	**.00149**	**.00033**	**4.9902**	**.00136**	**.00075**	**9.9043**	**.00244**	**.00115**	**.01687**
Stddev	.00965	.00035	.00006	.0101	.00011	.00185	.0427	.00030	.00050	.00130
%RSD	21.464	23.666	19.495	.20142	7.9886	246.18	.43083	12.273	43.495	7.6809
#1	.03813	.00124	.00029	4.9831	.00128	-.00056	9.8741	.00265	.00150	.01595
#2	.05177	.00174	.00038	4.9973	.00143	.00206	9.9345	.00223	.00079	.01779
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3971.5**	**61633.**	**6255.6**
Stddev	2.8	120.	8.9
%RSD	.07019	.19537	.14294
#1	3969.5	61718.	6261.9
#2	3973.5	61548.	6249.3

Sample Name: CCV-1351954 Acquired: 4/10/2012 12:05:58 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51493**	**.51221**	**.98738**	**.51473**	**.51795**	**.50132**	**-.00152**	**5.0620**	**.51349**	**.50723**	**.50602**	**.51486**	**2.5627**
Stddev	.00029	.00028	.00191	.00121	.00035	.00035	.00057	.0136	.00054	.00025	.00010	.00222	.0052
%RSD	.05686	.05378	.19345	.23550	.06817	.06944	37.440	.26911	.10491	.05004	.01957	.43089	.20450
#1	.51472	.51202	.98873	.51559	.51770	.50156	-.00112	5.0716	.51311	.50705	.50595	.51329	2.5590
#2	.51513	.51241	.98603	.51388	.51820	.50107	-.00192	5.0524	.51387	.50741	.50609	.51643	2.5664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.608**	**1.0366**	**20.092**	**.50450**	**.50231**	**5.1558**	**.50814**	**1.0021**	**.99730**	**-.00167**	**1.0133**	**1.0347**	**5.0166**
Stddev	.109	.0029	.006	.00114	.00127	.0019	.00095	.0102	.00542	.00210	.0019	.0078	.0180
%RSD	.21043	.27648	.02775	.22539	.25367	.03764	.18609	1.0160	.54378	125.40	.18256	.75307	.35857
#1	51.531	1.0346	20.096	.50369	.50141	5.1545	.50747	.99492	.99346	-.00019	1.0146	1.0403	5.0039
#2	51.685	1.0386	20.088	.50530	.50321	5.1572	.50881	1.0093	1.0011	-.00315	1.0120	1.0292	5.0293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.736**	**1.0203**	**.51198**	**-.00284**	**.49916**	**1.0504**	**.01960**	**.50221**	**.49444**	**.50865**
Stddev	.038	.0013	.00065	.00032	.00100	.0047	.01702	.00021	.00031	.00080
%RSD	.35857	.12995	.12769	11.164	.20009	.45122	86.847	.04267	.06305	.15643
#1	10.708	1.0194	.51152	-.00307	.49845	1.0538	.03164	.50236	.49422	.50809
#2	10.763	1.0212	.51244	-.00262	.49986	1.0471	.00756	.50206	.49466	.50921
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.8**	**62943.**	**6268.5**
Stddev	6.0	61.	28.3
%RSD	.14875	.09680	.45187
#1	4044.0	62900.	6288.5
#2	4035.5	62986.	6248.5

Sample Name: CCB Acquired: 4/10/2012 12:08:10 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00008**	**.00131**	**.00027**	**.00010**	**.00004**	**-.00186**	**-.00262**	**.00013**	**-.00003**	**-.00019**	**-.00066**	**.00051**
Stddev	.00024	.00004	.00135	.00002	.00012	.00006	.00003	.00185	.00003	.00000	.00007	.00017	.00032
%RSD	36.378	51.327	102.66	6.3485	123.83	142.68	1.6943	70.483	21.784	16.952	39.690	25.991	61.971
#1	.00050	.00010	.00036	.00028	.00001	.00000	-.00184	-.00132	.00015	-.00002	-.00024	-.00054	.00029
#2	.00084	.00005	.00226	.00026	.00018	.00008	-.00188	-.00393	.00011	-.00003	-.00014	-.00078	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02993**	**.00094**	**.00402**	**.00007**	**.00095**	**.04384**	**-.00006**	**-.00188**	**.00120**	**-.00041**	**-.00023**	**-.00298**	**-.00849**
Stddev	.07247	.00047	.00098	.00005	.00043	.01200	.00007	.00222	.00115	.00434	.00112	.00162	.00048
%RSD	242.14	50.369	24.449	74.315	45.438	27.366	116.49	117.77	96.502	1054.4	478.87	54.180	5.6666
#1	-.02132	.00127	.00472	.00011	.00065	.05233	-.00011	-.00345	.00038	.00266	-.00103	-.00184	-.00883
#2	.08117	.00060	.00333	.00004	.00126	.03536	-.00001	-.00031	.00201	-.00348	.00056	-.00412	-.00815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01817**	**.00138**	**.00008**	**-.00017**	**-.00017**	**-.00131**	**.00733**	**-.00009**	**.00142**	**.00110**
Stddev	.00103	.00042	.00007	.00005	.00006	.00048	.01111	.00009	.00010	.00159
%RSD	5.6666	30.292	81.648	28.384	34.042	36.613	151.58	104.63	6.7191	144.20
#1	-.01890	.00108	.00013	-.00013	-.00013	-.00097	-.00053	-.00016	.00136	.00222
#2	-.01744	.00167	.00004	-.00020	-.00022	-.00164	.01519	-.00002	.00149	-.00002
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4094.3**	**64569.**	**6211.1**
Stddev	22.3	486.	82.8
%RSD	.54431	.75324	1.3327
#1	4110.0	64913.	6269.6
#2	4078.5	64225.	6152.5

Sample Name: CCVL1351959 Acquired: 4/10/2012 12:10:35 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01081**	**.10811**	**.01699**	**.09581**	**.01102**	**.00105**	**.11031**	**.22238**	**.00539**	**.01028**	**.01047**	**.01531**	**.10872**
Stddev	.00003	.00024	.00310	.00030	.00002	.00001	.00075	.00148	.00002	.00035	.00003	.00041	.00016
%RSD	.30357	.22290	18.267	.31164	.15304	1.2843	.68331	.66531	.45908	3.3944	.26776	2.6859	.14946
#1	.01084	.10828	.01918	.09560	.01101	.00106	.11084	.22133	.00537	.01003	.01045	.01560	.10861
#2	.01079	.10794	.01479	.09602	.01103	.00104	.10977	.22342	.00540	.01052	.01049	.01502	.10884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2785**	**.01188**	**.21059**	**.01066**	**.01995**	**1.1450**	**.04219**	**2.8297**	**.01017**	**.00203**	F **.00698**	**.01653**	**.49427**
Stddev	.0025	.00143	.00644	.00012	.00003	.0083	.00001	.0065	.00162	.00274	.00137	.00183	.00894
%RSD	.07591	12.002	3.0580	1.0791	.14297	.72262	.01450	.23021	15.974	134.74	19.607	11.095	1.8091
#1	3.2767	.01288	.21514	.01058	.01993	1.1508	.04218	2.8251	.00902	.00397	.00601	.01782	.50059
#2	3.2803	.01087	.20604	.01074	.01997	1.1391	.04219	2.8344	.01132	.00010	.00795	.01523	.48794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0577**	**.10353**	**.01073**	**.01498**	**.00983**	**.01603**	**.07262**	**.01017**	**.02330**	**.01605**
Stddev	.0191	.00026	.00014	.00090	.00023	.00103	.01377	.00010	.00044	.00082
%RSD	1.8091	.25137	1.3469	5.9903	2.3397	6.4321	18.962	.98883	1.9049	5.1246
#1	1.0713	.10335	.01063	.01434	.00999	.01530	.08236	.01024	.02362	.01547
#2	1.0442	.10371	.01083	.01561	.00967	.01676	.06288	.01010	.02299	.01663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4096.0**	**65112.**	**6246.4**
Stddev	1.7	343.	2.4
%RSD	.04164	.52665	.03852
#1	4097.2	64870.	6248.1
#2	4094.8	65355.	6244.7

Sample Name: mb 280-114448/1-a Acquired: 4/10/2012 12:12:59 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00139	.00185	-.00074	.00034	.00003	.00150	.00353	-.00005	.00009
Stddev	.00016	.00002	.00045	.00040	.00011	.00001	.00326	.00124	.00006	.00002
%RSD	69.057	1.5173	24.555	53.896	32.916	29.114	217.22	35.206	132.84	23.006
#1	.00035	.00141	.00217	-.00046	.00042	.00003	-.00081	.00265	.00000	.00007
#2	.00012	.00138	.00153	-.00102	.00026	.00004	.00381	.00441	-.00009	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	-.00026	W .03698	.04546	.00007	.00287	.00031	-.00022	.01305	.00005
Stddev	.00010	.00036	.00107	.00965	.00019	.00033	.00004	.00011	.00800	.00012
%RSD	29.116	136.67	2.8977	21.220	267.03	11.448	14.400	48.354	61.320	232.18
#1	.00041	-.00001	.03774	.03864	-.00006	.00264	.00028	-.00029	.00739	.00013
#2	.00027	-.00052	.03622	.05229	.00021	.00311	.00034	-.00014	.01871	-.00003
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00033	-.00036	.00083	-.00301	-.00356	-.00334	-.00715	-.00017	.00005	-.00111
Stddev	.00057	.00020	.00381	.00347	.00686	.00372	.00796	.00072	.00005	.00030
%RSD	175.29	55.028	460.46	115.44	192.49	111.24	111.24	412.72	103.32	26.620
#1	.00008	-.00050	-.00187	-.00546	-.00841	-.00597	-.01278	-.00068	.00001	-.00132
#2	-.00073	-.00022	.00352	-.00055	.00129	-.00071	-.00153	.00033	.00008	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00022	.01508	-.00001	.00138	.00030
Stddev	.00006	.00106	.00982	.00009	.00088	.00077
%RSD	68.085	485.60	65.148	705.82	63.599	257.03
#1	.00014	.00097	.00813	.00005	.00200	-.00025
#2	.00005	-.00053	.02202	-.00008	.00076	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4151.5	65899.	6393.7
Stddev	10.8	62.	29.2
%RSD	.26023	.09466	.45641
#1	4159.1	65943.	6414.4
#2	4143.9	65855.	6373.1

Sample Name: lcs 280-114448/2-a Acquired: 4/10/2012 12:15:24 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05418**	**1.9370**	**1.0318**	**1.0692**	**2.0606**	**.05077**	**2.1735**	**49.886**	**.10579**	**.49926**
Stddev	.00080	.0068	.0111	.0008	.0041	.00032	.0030	.259	.00014	.00037
%RSD	1.4704	.34963	1.0776	.06976	.19947	.63735	.13910	.51837	.13537	.07441
#1	.05474	1.9417	1.0397	1.0697	2.0577	.05054	2.1713	49.703	.10589	.49900
#2	.05361	1.9322	1.0240	1.0687	2.0635	.05099	2.1756	50.069	.10569	.49952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20117**	**.26187**	**1.0264**	**52.219**	**1.0416**	**50.648**	**.50961**	**1.0064**	**54.376**	**.50794**
Stddev	.00095	.00144	.0072	.071	.0054	.284	.00276	.0003	.214	.00062
%RSD	.47336	.55083	.70142	.13587	.52196	.56131	.54066	.03340	.39369	.12268
#1	.20050	.26289	1.0213	52.169	1.0378	50.849	.51156	1.0062	54.224	.50838
#2	.20184	.26085	1.0315	52.270	1.0455	50.447	.50766	1.0067	54.527	.50750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.502**	**.50173**	**.01397**	**.50227**	**2.1977**	**10.148**	F **21.716**	**2.0479**	**1.0336**	**1.0084**
Stddev	.004	.00238	.00162	.00040	.0007	.079	.170	.0011	.0019	.0024
%RSD	.04215	.47495	11.633	.07920	.03086	.78086	.78086	.05493	.18456	.24323
#1	10.505	.50341	.01512	.50255	2.1973	10.092	21.596	2.0472	1.0322	1.0101
#2	10.498	.50004	.01282	.50199	2.1982	10.204	21.836	2.0487	1.0349	1.0067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0110**	**2.0855**	**2.1564**	**.50912**	**.49712**	**.51338**
Stddev	.0045	.0015	.0254	.00278	.00401	.00142
%RSD	.44265	.07431	1.1779	.54582	.80673	.27721
#1	1.0142	2.0866	2.1743	.51109	.49995	.51237
#2	1.0078	2.0844	2.1384	.50716	.49428	.51438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3950.3**	**61434.**	**6231.2**
Stddev	8.8	311.	2.0
%RSD	.22278	.50573	.03156
#1	3956.6	61215.	6232.6
#2	3944.1	61654.	6229.8

Sample Name: 280-27312-o-1-d Acquired: 4/10/2012 12:17:33 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00150**	**-.00439**	**2.9645**	**.00892**	**.00005**	**-.00058**	**214.85**	**.00080**	**.00131**
Stddev	.00054	.00027	.00036	.0043	.00009	.00005	.00047	2.63	.00011	.00038
%RSD	128.57	18.234	8.1408	.14565	1.0631	102.73	79.963	1.2231	13.781	29.487
#1	.00004	.00131	-.00414	2.9614	.00885	.00008	-.00091	213.00	.00088	.00158
#2	.00080	.00170	-.00464	2.9675	.00899	.00001	-.00025	216.71	.00072	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00152**	**1.1301**	**25.907**	**.28082**	W **787.14**	**.08166**	**.00725**	W **2385.8**	**.00220**
Stddev	.00028	.00014	.0083	.527	.00094	7.25	.00008	.00086	10.9	.00005
%RSD	43.469	8.9389	.73468	2.0336	.33608	.92042	.09852	11.892	.45736	2.2921
#1	.00084	.00162	1.1360	25.535	.28148	782.02	.08160	.00664	2393.5	.00224
#2	.00045	.00143	1.1242	26.280	.28015	792.26	.08171	.00786	2378.1	.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07426**	**.00061**	F **1822.0**	**-.00532**	**.00679**	**12.178**	**26.061**	**-.00030**	**2.4074**	**-.00505**
Stddev	.00362	.00085	1.3	.00090	.00032	.105	.224	.00097	.0121	.00066
%RSD	4.8778	138.18	.06990	16.909	4.6487	.86018	.86018	319.61	.50091	13.132
#1	.07682	.00121	1821.1	-.00468	.00701	12.252	26.220	-.00099	2.4159	-.00552
#2	.07170	.00001	1822.9	-.00595	.00657	12.104	25.903	.00038	2.3989	-.00458
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00374**	**.00116**	**.00156**	**.00193**	**.00101**
Stddev	.00055	.00066	.02079	.00033	.00040	.00053
%RSD	104.71	17.599	1786.7	21.449	20.886	52.465
#1	.00091	.00327	-.01354	.00180	.00222	.00064
#2	.00014	.00421	.01586	.00132	.00165	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3245.6**	**49531.**	**5864.8**
Stddev	2.3	60.	20.3
%RSD	.07091	.12105	.34557
#1	3244.0	49488.	5850.5
#2	3247.2	49573.	5879.1

Sample Name: 280-27324-e-1-a Acquired: 4/10/2012 12:20:08 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.50942**	**.03435**	**5.2607**	**.12795**	**.00013**	**-.00031**	**56.830**	**.00071**	**.01742**
Stddev	.00049	.00236	.00047	.0077	.00047	.00002	.00137	.425	.00011	.00014
%RSD	78.209	.46378	1.3713	.14566	.37031	17.992	446.54	.74865	15.158	.82387
#1	.00028	.50775	.03402	5.2553	.12828	.00011	-.00128	57.131	.00078	.01752
#2	.00097	.51109	.03468	5.2661	.12761	.00015	.00066	56.530	.00063	.01732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00687**	**.00827**	**1.8761**	**72.059**	**.08619**	**33.602**	**1.6654**	**.00968**	W **1039.3**	**.16960**
Stddev	.00019	.00021	.0051	.236	.00391	.339	.0112	.00010	5.2	.00025
%RSD	2.7886	2.5671	.27207	.32786	4.5359	1.0085	.67024	1.0832	.50082	.14503
#1	.00700	.00842	1.8797	72.226	.08895	33.842	1.6733	.00976	1042.9	.16977
#2	.00673	.00812	1.8725	71.892	.08342	33.363	1.6575	.00961	1035.6	.16942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6524**	**.00587**	**81.562**	**-.00374**	**.00416**	**16.418**	**35.134**	**-.00030**	**1.0802**	**-.00317**
Stddev	.0052	.00121	.016	.00110	.00020	.019	.041	.00015	.0040	.00038
%RSD	.14151	20.664	.01925	29.365	4.6844	.11552	.11552	48.393	.36843	11.943
#1	3.6488	.00501	81.573	-.00297	.00403	16.431	35.162	-.00020	1.0831	-.00344
#2	3.6561	.00673	81.551	-.00452	.00430	16.404	35.105	-.00041	1.0774	-.00290
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01303**	**.00072**	**.00676**	**.01386**	**.03049**	**.00380**
Stddev	.00024	.00023	.01314	.00048	.00095	.00009
%RSD	1.8050	32.151	194.26	3.4943	3.1146	2.3338
#1	.01320	.00056	-.00253	.01420	.03116	.00374
#2	.01286	.00088	.01605	.01352	.02982	.00386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3654.1**	**55908.**	**6187.4**
Stddev	3.6	338.	15.0
%RSD	.09878	.60466	.24256
#1	3656.6	55669.	6176.8
#2	3651.5	56147.	6198.0

Sample Name: 280-27273-f-5-a Acquired: 4/10/2012 12:22:33 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00041**	**.00151**	**.11222**	**.04051**	**-.00005**	**-.00157**	**345.83**	**.00073**	**.00382**
Stddev	.00015	.00018	.00176	.00062	.00032	.00005	.00012	5.39	.00016	.00008
%RSD	15.910	43.226	116.30	.54929	.79826	105.14	7.3805	1.5578	21.872	1.9993
#1	.00108	.00053	.00276	.11265	.04029	-.00008	-.00165	342.02	.00061	.00377
#2	.00086	.00028	.00027	.11178	.04074	-.00001	-.00149	349.64	.00084	.00388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00157**	**.90203**	W **114.34**	**.20132**	**146.74**	**5.5805**	**.00369**	**46.779**	**.00397**
Stddev	.00003	.00019	.00188	.59	.00024	1.50	.0131	.00018	.465	.00012
%RSD	5.3299	12.309	.20875	.52027	.11734	1.0232	.23493	4.9901	.99475	3.0540
#1	.00047	.00143	.90070	113.92	.20115	145.68	5.5712	.00356	46.450	.00388
#2	.00051	.00171	.90336	114.76	.20148	147.80	5.5897	.00382	47.108	.00405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01844**	**.00423**	F **450.73**	**-.00291**	**.00061**	**9.6793**	**20.714**	**.00101**	**1.9249**	**-.00175**
Stddev	.00271	.00007	3.77	.00044	.00263	.1022	.219	.00121	.0106	.00065
%RSD	14.692	1.7217	.83622	15.049	433.72	1.0560	1.0560	120.27	.55084	37.250
#1	.02035	.00418	448.07	-.00322	-.00126	9.6071	20.559	.00015	1.9174	-.00129
#2	.01652	.00428	453.40	-.00260	.00247	9.7516	20.868	.00187	1.9324	-.00221
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.00283**	**.00761**	**.00262**	**.07943**	**.00080**
Stddev	.00010	.00251	.00822	.00004	.00124	.00091
%RSD	19.164	88.635	108.03	1.5386	1.5674	114.48
#1	.00043	-.00106	.00180	.00265	.07855	.00015
#2	.00057	-.00461	.01342	.00259	.08031	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3664.9**	**57839.**	**6042.7**
Stddev	20.2	194.	55.6
%RSD	.55109	.33590	.92051
#1	3679.1	57976.	6082.0
#2	3650.6	57702.	6003.4

Sample Name: 280-27273-f-5-aSD@5 Acquired: 4/10/2012 12:25:06 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.01002**	**-.00032**	**.02395**	**.00823**	**-.00001**	**-.00219**	**70.729**	**.00042**	**.00094**
Stddev	.00008	.00039	.00116	.00016	.00005	.00005	.00134	.718	.00015	.00006
%RSD	8.3865	3.9323	362.53	.67490	.55483	576.14	61.195	1.0149	35.357	6.8284
#1	.00088	.00975	-.00114	.02407	.00820	-.00004	-.00314	70.221	.00052	.00089
#2	.00099	.01030	.00050	.02384	.00827	.00002	-.00124	71.236	.00031	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00064**	**.18507**	**22.435**	**.03960**	**29.101**	**1.1578**	**.00095**	**8.9074**	**.00091**
Stddev	.00003	.00036	.00260	.198	.00115	.180	.0050	.00028	.1087	.00008
%RSD	21.706	56.356	1.4061	.88297	2.9080	.61983	.42965	29.761	1.2202	8.6161
#1	.00011	.00039	.18323	22.295	.03878	28.973	1.1543	.00075	8.8306	.00096
#2	.00014	.00090	.18691	22.575	.04041	29.229	1.1614	.00115	8.9843	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.00030**	**86.871**	**-.00043**	**.00097**	**1.8665**	**3.9943**	**.00008**	**.38099**	**-.00125**
Stddev	.00120	.00228	.036	.00032	.00273	.0075	.0160	.00020	.00362	.00045
%RSD	34.342	753.33	.04199	74.212	280.30	.40032	.40032	266.71	.95086	35.930
#1	.00434	.00191	86.897	-.00066	-.00096	1.8612	3.9830	.00022	.37843	-.00093
#2	.00264	-.00131	86.845	-.00021	.00291	1.8718	4.0057	-.00007	.38355	-.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00009**	**.02568**	**.00070**	**.01783**	**.00079**
Stddev	.00032	.00032	.00745	.00026	.00000	.00033
%RSD	71.754	358.61	29.031	37.239	.01730	41.884
#1	.00022	-.00014	.02041	.00088	.01783	.00056
#2	.00067	.00031	.03095	.00051	.01784	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3955.8**	**62075.**	**6240.6**
Stddev	5.4	68.	34.4
%RSD	.13619	.10939	.55129
#1	3959.6	62123.	6265.0
#2	3951.9	62027.	6216.3

Sample Name: 280-27273-f-5-b ms Acquired: 4/10/2012 12:27:30 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05770**	**1.8417**	**1.0771**	**1.1754**	**2.2019**	**.04998**	F **2.2211**	**406.33**	**.11080**	**.49718**
Stddev	.00025	.0064	.0065	.0040	.0049	.00035	.0154	1.01	.00045	.00025
%RSD	.43710	.34665	.59958	.34146	.22041	.69086	.69149	.24942	.40781	.05094
#1	.05753	1.8372	1.0816	1.1782	2.2053	.05022	2.2320	407.05	.11112	.49736
#2	.05788	1.8462	1.0725	1.1726	2.1985	.04974	2.2102	405.62	.11048	.49700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20455**	**.27313**	**1.9658**	W **172.57**	**1.3056**	**197.41**	**6.1790**	**1.0309**	**104.89**	**.50415**
Stddev	.00027	.00145	.0076	.39	.0069	.90	.0670	.0049	.91	.00150
%RSD	.12966	.53021	.38489	.22321	.52738	.45375	1.0837	.47721	.86296	.29821
#1	.20474	.27415	1.9712	172.84	1.3105	198.05	6.2264	1.0343	105.53	.50521
#2	.20436	.27211	1.9605	172.30	1.3008	196.78	6.1317	1.0274	104.25	.50308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.064**	**.48190**	F **459.55**	**.51872**	**2.3221**	**20.319**	**43.482**	W **2.0143**	**3.0530**	**1.0335**
Stddev	.046	.00150	1.92	.00062	.0064	.113	.242	.0081	.0113	.0064
%RSD	.41213	.31025	.41692	.11860	.27578	.55599	.55599	.40483	.37071	.61814
#1	11.096	.48296	460.90	.51916	2.3176	20.399	43.653	2.0201	3.0610	1.0380
#2	11.031	.48084	458.19	.51829	2.3267	20.239	43.311	2.0085	3.0450	1.0290
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		200.00					2.0000		
Low Limit	-1.0000		-.20000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0184**	**1.9375**	**2.1771**	**.52223**	**.55395**	**.52870**
Stddev	.0061	.0063	.0274	.00087	.00575	.00038
%RSD	.60003	.32239	1.2568	.16620	1.0377	.07119
#1	1.0227	1.9419	2.1578	.52284	.55802	.52897
#2	1.0140	1.9331	2.1965	.52162	.54989	.52844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3597.6**	**56960.**	**5982.2**
Stddev	9.8	199.	7.5
%RSD	.27239	.34940	.12483
#1	3590.7	56819.	5987.5
#2	3604.5	57101.	5977.0

Sample Name: 280-27273-f-5-c msd Acquired: 4/10/2012 12:29:56 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05693**	**1.8104**	**1.0611**	**1.1624**	**2.1837**	**.04957**	F **2.1973**	**392.88**	**.10919**	**.49207**
Stddev	.00187	.0079	.0052	.0020	.0114	.00012	.0101	.98	.00001	.00044
%RSD	3.2903	.43865	.48922	.17120	.52288	.23672	.45807	.25020	.01015	.08900
#1	.05825	1.8160	1.0574	1.1638	2.1918	.04966	2.2044	392.18	.10918	.49176
#2	.05560	1.8048	1.0648	1.1610	2.1756	.04949	2.1902	393.57	.10920	.49238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20225**	**.26910**	**1.9302**	W **169.03**	**1.2960**	**190.90**	**5.9681**	**1.0233**	**102.88**	**.49623**
Stddev	.00083	.00139	.0129	1.11	.0048	1.09	.0593	.0046	.59	.00122
%RSD	.41005	.51631	.67060	.65613	.36919	.56903	.99330	.45004	.57725	.24665
#1	.20284	.27008	1.9394	169.81	1.2993	190.14	5.9262	1.0266	103.30	.49709
#2	.20167	.26811	1.9211	168.25	1.2926	191.67	6.0100	1.0201	102.46	.49536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.958**	**.47823**	F **448.13**	**.51802**	**2.3006**	**19.910**	**42.607**	**1.9991**	**2.9934**	**1.0155**
Stddev	.012	.00099	1.31	.00025	.0008	.062	.132	.0018	.0137	.0059
%RSD	.10927	.20657	.29227	.04853	.03382	.30977	.30977	.09055	.45687	.58058
#1	10.967	.47893	449.06	.51784	2.3011	19.953	42.700	2.0003	3.0030	1.0196
#2	10.950	.47753	447.21	.51820	2.3000	19.866	42.514	1.9978	2.9837	1.0113
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0043**	**1.9232**	**2.1570**	**.51228**	**.53642**	**.51968**
Stddev	.0028	.0033	.0128	.00346	.00000	.00016
%RSD	.28108	.17031	.59318	.67548	.00051	.03109
#1	1.0063	1.9256	2.1479	.51473	.53642	.51957
#2	1.0023	1.9209	2.1660	.50983	.53641	.51980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3623.5**	**57418.**	**6070.5**
Stddev	2.5	229.	38.2
%RSD	.06950	.39801	.62863
#1	3621.7	57579.	6043.6
#2	3625.3	57256.	6097.5

Sample Name: 280-27273-f-1-a Acquired: 4/10/2012 12:32:22 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00875**	**.26360**	**.22185**	**.21156**	**.00000**	**.00012**	**33.681**	**.00022**	**.00008**
Stddev	.00024	.00029	.00121	.00062	.00145	.0000	.00106	.212	.00023	.00017
%RSD	33.114	3.3296	.45819	.28073	.68711	478.02	847.57	.63025	106.88	200.14
#1	.00089	.00854	.26274	.22229	.21053	.00000	-.00062	33.531	.00038	-.00004
#2	.00055	.00896	.26445	.22140	.21259	-.00001	.00087	33.831	.00005	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00069**	**1.5372**	**29.514**	**.04673**	**39.193**	**.10626**	**.00250**	**51.301**	**-.00007**
Stddev	.00002	.00037	.0021	.193	.00080	.244	.00116	.00066	.599	.00001
%RSD	2.1408	53.857	.13724	.65257	1.7149	.62243	1.0940	26.503	1.1682	12.276
#1	.00076	.00043	1.5357	29.378	.04730	39.021	.10543	.00203	50.877	-.00008
#2	.00073	.00095	1.5387	29.651	.04617	39.366	.10708	.00296	51.725	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2920**	**.00101**	**.14216**	**-.00167**	**.00105**	**20.958**	**44.850**	**.00096**	**.24725**	**-.00124**
Stddev	.0050	.00062	.00289	.00122	.00067	.104	.223	.00033	.00157	.00019
%RSD	.38859	62.129	2.0330	73.466	63.634	.49700	.49700	34.226	.63675	14.887
#1	1.2956	.00056	.14421	-.00253	.00153	20.885	44.693	.00120	.24613	-.00137
#2	1.2885	.00145	.14012	-.00080	.00058	21.032	45.008	.00073	.24836	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00261**	**.00898**	**.00046**	**.00282**	**.00067**
Stddev	.00003	.00028	.02324	.00016	.00007	.00054
%RSD	3.4521	10.901	258.83	34.655	2.5104	79.976
#1	.00082	.00281	-.00745	.00057	.00287	.00105
#2	.00086	.00240	.02541	.00035	.00277	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3962.3**	**62062.**	**6303.2**
Stddev	1.4	666.	25.7
%RSD	.03541	1.0724	.40699
#1	3961.3	62532.	6321.4
#2	3963.3	61591.	6285.1

Sample Name: 280-27273-f-2-a Acquired: 4/10/2012 12:34:46 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00245**	**.00035**	**.00150**	**.00035**	**.00003**	**.00055**	**.01716**	**-.00008**	**.00004**
Stddev	.00017	.00039	.00170	.00049	.00013	.00001	.00189	.00226	.00002	.00010
%RSD	39.108	15.853	482.83	32.687	38.527	27.302	344.08	13.175	18.588	228.87
#1	.00032	.00218	-.00085	.00185	.00025	.00004	-.00079	.01876	-.00009	.00011
#2	.00056	.00273	.00156	.00116	.00044	.00003	.00189	.01556	-.00007	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00017**	**.00643**	**.12609**	**.00014**	**.00597**	**.00012**	**.00002**	**.18102**	**-.00011**
Stddev	.00023	.00036	.00009	.01140	.00047	.00112	.00002	.00010	.01666	.00027
%RSD	222.53	210.61	1.4189	9.0417	325.90	18.715	15.797	527.86	9.2037	238.25
#1	.00027	.00008	.00636	.13415	.00048	.00676	.00013	-.00005	.19281	-.00030
#2	-.00006	-.00043	.00649	.11803	-.00019	.00518	.00011	.00009	.16924	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**-.00046**	**.06022**	**-.00279**	**-.00129**	**.01425**	**.03049**	**.00076**	**.00004**	**-.00006**
Stddev	.00282	.00063	.00181	.00040	.00147	.00474	.01014	.00104	.00007	.00056
%RSD	353.49	137.50	3.0014	14.380	114.51	33.272	33.272	136.57	150.50	887.03
#1	-.00279	-.00090	.05894	-.00308	-.00233	.01760	.03766	.00003	.00000	-.00046
#2	.00119	-.00001	.06150	-.00251	-.00024	.01089	.02331	.00149	.00009	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00109**	**.03416**	**.00022**	**.00211**	**-.00022**
Stddev	.00017	.00045	.00156	.00016	.00052	.00082
%RSD	1053.2	41.079	4.5656	73.228	24.412	369.79
#1	-.00010	-.00140	.03526	.00034	.00175	-.00080
#2	.00013	-.00077	.03306	.00011	.00248	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.9**	**65526.**	**6413.9**
Stddev	9.1	273.	21.0
%RSD	.22002	.41706	.32765
#1	4156.3	65719.	6399.1
#2	4143.4	65333.	6428.8

Sample Name: CCVH-1351956 Acquired: 4/10/2012 12:37:12 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**52.782**	**-.00419**	**.00274**	**.00035**	**.00001**	**1.0311**	**-.00408**	**.00003**	**.00027**	**.00036**	**.00370**	**52.843**
Stddev	.00000	.786	.00009	.00067	.00000	.00000	.0032	.00154	.00006	.00016	.00020	.00026	.510
%RSD	.06549	1.4885	2.1161	24.593	1.0926	.78557	.31459	37.623	196.99	57.574	56.167	6.9643	.96441
#1	.00155	53.337	-.00425	.00322	.00035	.00001	1.0334	-.00517	-.00001	.00038	.00050	.00352	53.203
#2	.00155	52.226	-.00412	.00227	.00035	.00001	1.0288	-.00300	.00008	.00016	.00022	.00388	52.482
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10020**	**.00060**	**.01755**	**.00003**	**-.00070**	**269.03**	**.00154**	**.00349**	**-.00196**	**5.1130**	**-.00337**	**-.00372**	**.01067**
Stddev	.01977	.00164	.00007	.00011	.00017	3.90	.00018	.00184	.00124	.0043	.00016	.00317	.00186
%RSD	19.731	275.30	.37715	399.19	24.646	1.4497	11.612	52.724	62.922	.08303	4.6987	85.272	17.452
#1	.08622	-.00056	.01750	-.00005	-.00082	271.79	.00166	.00479	-.00109	5.1100	-.00349	-.00148	.01198
#2	.11418	.00175	.01760	.00010	-.00058	266.27	.00141	.00219	-.00284	5.1160	-.00326	-.00596	.00935
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02283**	**.00158**	**.00038**	**5.0520**	**.00225**	**-.00064**	**10.050**	**.00201**	**.00123**	**.01575**
Stddev	.00398	.00022	.00004	.0343	.00004	.00046	.046	.00047	.00065	.00416
%RSD	17.452	14.175	9.6533	.67933	1.7557	72.716	.45477	23.442	52.964	26.427
#1	.02565	.00174	.00040	5.0762	.00228	-.00031	10.082	.00167	.00077	.01869
#2	.02001	.00142	.00035	5.0277	.00222	-.00096	10.017	.00234	.00169	.01280
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3962.1**	**61373.**	**6221.3**
Stddev	6.0	401.	43.9
%RSD	.15069	.65321	.70488
#1	3957.8	61090.	6190.3
#2	3966.3	61657.	6252.3

Sample Name: CCV-1351954 Acquired: 4/10/2012 12:39:32 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51716**	**.50453**	**.97505**	**.51119**	**.53021**	**.50422**	**-.00220**	**5.1024**	**.51424**	**.50679**	**.50777**	**.51846**	**2.6308**
Stddev	.01508	.00191	.00081	.00066	.00244	.00178	.00142	.0107	.00005	.00057	.00192	.01356	.0082
%RSD	2.9150	.37935	.08332	.12905	.46018	.35230	64.684	.20989	.00926	.11177	.37754	2.6156	.31179
#1	.50650	.50318	.97562	.51165	.53194	.50548	-.00119	5.1099	.51421	.50719	.50913	.50887	2.6366
#2	.52782	.50588	.97448	.51072	.52849	.50297	-.00320	5.0948	.51427	.50639	.50641	.52805	2.6250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.686**	**1.0516**	**19.814**	**.50519**	**.50514**	**5.2359**	**.50636**	**.98961**	**.97085**	**.05684**	**1.0060**	**1.0408**	**5.0473**
Stddev	.121	.0016	.595	.01525	.00153	.0190	.00038	.00252	.00201	.00096	.0022	.0110	.0053
%RSD	.22937	.14998	3.0053	3.0179	.30236	.36243	.07420	.25458	.20729	1.6832	.21575	1.0523	.10404
#1	52.771	1.0527	19.393	.49441	.50622	5.2493	.50662	.99139	.97227	.05752	1.0075	1.0486	5.0510
#2	52.601	1.0505	20.235	.51598	.50406	5.2225	.50609	.98783	.96943	.05617	1.0044	1.0331	5.0436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.801**	**1.0242**	**.52169**	**-.00172**	**.49714**	**1.0537**	**.00300**	**.50323**	**.48089**	**.52341**
Stddev	.011	.0007	.00214	.00066	.01490	.0044	.01872	.01641	.01611	.00157
%RSD	.10404	.06484	.40996	38.672	2.9962	.41841	624.29	3.2606	3.3492	.29946
#1	10.809	1.0238	.52320	-.00125	.48661	1.0568	-.01024	.49162	.46950	.52452
#2	10.793	1.0247	.52017	-.00219	.50767	1.0506	.01624	.51483	.49228	.52231
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4036.6**	**63200.**	**6165.4**
Stddev	3.7	1291.	15.8
%RSD	.09263	2.0433	.25604
#1	4039.2	64113.	6176.5
#2	4033.9	62287.	6154.2

Sample Name: CCB Acquired: 4/10/2012 12:41:44 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00045**	**.00350**	**.00101**	**.00026**	**.00000**	**-.00300**	**.00041**	**.00011**	**-.00002**	**.00006**	**-.00126**
Stddev	.00033	.00002	.00662	.00041	.00018	.00001	.00014	.00122	.00001	.00022	.00025	.00016
%RSD	65.164	4.3625	189.19	40.117	67.884	621.72	4.6790	299.80	6.2736	1339.7	398.40	13.023
#1	.00027	.00044	-.00118	.00072	.00014	.00000	-.00290	-.00046	.00011	.00014	-.00012	-.00114
#2	.00074	.00046	.00818	.00130	.00039	.00001	-.00310	.00127	.00012	-.00017	.00024	-.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00249**	**.08103**	**.00022**	**.00498**	**.00008**	**.00114**	W **.12247**	**-.00022**	**.00080**	**-.00017**	**.04503**	**-.00040**
Stddev	.00098	.00467	.00153	.00042	.00011	.00055	.01025	.00004	.00051	.00188	.00159	.00167
%RSD	39.188	5.7682	690.57	8.3869	134.75	48.249	8.3713	17.082	63.841	1097.2	3.5402	418.43
#1	.00180	.07773	-.00086	.00527	.00017	.00075	.12972	-.00020	.00115	-.00150	.04616	-.00158
#2	.00318	.08434	.00130	.00468	.00000	.00153	.11522	-.00025	.00044	.00116	.04391	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**-.00204**	**-.00437**	**.00121**	**.00006**	**-.00005**	**-.00007**	**-.00131**	**.02368**	**.00049**	**.00149**	**-.00032**
Stddev	.00289	.02627	.05621	.00078	.00003	.00002	.00012	.00067	.00694	.00074	.00042	.00056
%RSD	366.91	1286.0	1286.0	64.638	45.583	37.296	178.36	50.936	29.297	151.75	28.231	173.65
#1	-.00283	-.02062	-.04412	.00066	.00004	-.00007	-.00016	-.00084	.01877	.00101	.00119	.00007
#2	.00126	.01653	.03538	.00176	.00008	-.00004	.00002	-.00178	.02858	-.00004	.00179	-.00072
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4091.4**	**64654.**	**6067.2**
Stddev	9.4	109.	32.7
%RSD	.22915	.16849	.53820
#1	4098.0	64731.	6044.1
#2	4084.8	64577.	6090.3

Sample Name: CCVL1351959 Acquired: 4/10/2012 12:44:10 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01099**	**.10532**	**.01757**	**.09573**	**.01094**	**.00103**	**.10760**	**.20589**	**.00533**	**.01040**	**.01038**	**.01505**	**.10701**
Stddev	.00026	.00001	.00312	.00007	.00014	.00004	.00175	.00320	.00015	.00029	.00007	.00016	.00036
%RSD	2.4118	.00838	17.777	.07406	1.2881	3.5836	1.6289	1.5552	2.8327	2.7644	.64748	1.0328	.33437
#1	.01080	.10532	.01978	.09578	.01104	.00100	.10636	.20816	.00543	.01019	.01043	.01494	.10727
#2	.01117	.10531	.01536	.09568	.01084	.00105	.10884	.20363	.00522	.01060	.01033	.01516	.10676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2983**	F **.01317**	**.20862**	**.01045**	**.01960**	**1.1968**	**.04176**	**2.7649**	**.01064**	**.03991**	**.00804**	**.01313**	**.49993**
Stddev	.0609	.00153	.00016	.00010	.00027	.0146	.00025	.0037	.00018	.00178	.00028	.00016	.00736
%RSD	1.8452	11.629	.07674	.96598	1.3621	1.2204	.60905	.13367	1.6615	4.4642	3.5409	1.1826	1.4723
#1	3.3414	.01209	.20873	.01038	.01941	1.2071	.04194	2.7623	.01076	.03865	.00824	.01302	.49473
#2	3.2553	.01425	.20850	.01052	.01979	1.1865	.04158	2.7675	.01051	.04117	.00783	.01324	.50514
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0699**	**.10148**	**.01070**	**.01574**	**.00983**	**.01475**	**.05786**	**.01015**	**.02063**	**.01583**
Stddev	.0158	.00129	.00008	.00088	.00013	.00170	.01491	.00027	.00019	.00138
%RSD	1.4723	1.2702	.77151	5.5789	1.2753	11.536	25.773	2.6861	.92628	8.6962
#1	1.0587	.10057	.01064	.01636	.00992	.01354	.04732	.00995	.02050	.01485
#2	1.0810	.10239	.01076	.01512	.00974	.01595	.06841	.01034	.02077	.01680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.8**	**65062.**	**6175.9**
Stddev	2.5	260.	41.3
%RSD	.06056	.40037	.66937
#1	4099.6	65246.	6146.6
#2	4096.1	64878.	6205.1

Sample Name: 280-27273-f-3-a Acquired: 4/10/2012 12:46:34 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00089**	s **.00377**	s **.43805**	s **.41047**	**.16437**	k **-.00003**	s **-.00253**	**22.507**	s **.00150**	s **-.00030**
Stddev	.00023	.00181	.06344	.06042	.00038	.00000	.00188	.075	.00184	.00012
%RSD	26.176	47.950	14.482	14.719	.23035	15.277	74.297	.33376	122.73	38.369
#1	k .00072	s .00505	s .48291	s .45319	.16410	k -.00003	s -.00386	22.454	s .00280	s -.00038
#2	.00105	.00249	.39320	.36775	.16463	-.00004	-.00120	22.560	.00020	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00028**	k **.00030**	**1.4641**	**30.388**	**.05029**	**31.262**	k **.07255**	s **-.00010**	**101.87**	s **.00020**
Stddev	.00004	.00032	.0034	.127	.00076	.086	.00009	.00008	.69	.00002
%RSD	14.460	106.11	.23371	.41904	1.5113	.27651	.13042	82.073	.67577	7.7068
#1	s .00031	k .00008	1.4617	30.298	.04975	31.201	k .07249	s -.00004	101.39	s .00019
#2	.00025	.00053	1.4665	30.478	.05083	31.323	.07262	-.00016	102.36	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **1.6938**	s **.00125**	s **.17558**	s **-.00387**	s **.00154**	k **21.146**	k **45.253**	s **.00097**	**.18931**	k **-.00132**
Stddev	.2402	.00136	.02706	.00033	.00692	.097	.208	.00019	.00057	.00093
%RSD	14.183	109.36	15.409	8.4963	448.63	.45978	.45978	19.290	.30075	70.221
#1	s 1.8637	s .00028	s .19471	s -.00364	s .00644	k 21.078	k 45.106	s .00084	.18890	k -.00067
#2	1.5239	.00221	.15645	-.00410	-.00335	21.215	45.400	.00111	.18971	-.00198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00049**	s **.00049**	k **.00375**	k **.00063**	k **.00239**	k **.00160**
Stddev	.00000	.00072	.01486	.00016	.00023	.00017
%RSD	.30052	149.07	396.38	25.696	9.4978	10.541
#1	k .00049	s .00100	k -.00676	k .00074	k .00223	k .00148
#2	.00049	-.00003	.01426	.00052	.00256	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	**62072.**	**6227.8**
Stddev	-----	300.	57.0
%RSD	-----	.48253	.91453
#1	^ -----	62284.	6268.1
#2	3986.2	61861.	6187.5

Sample Name: 280-27273-f-4-a Acquired: 4/10/2012 12:48:56 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00213**	**.30655**	**.25997**	**.17936**	**.00005**	**-.00182**	**28.858**	**.00018**	**-.00001**
Stddev	.00007	.00067	.00066	.00069	.00056	.00008	.00090	.030	.00004	.00015
%RSD	12.197	31.517	.21389	.26466	.30995	177.27	49.466	.10468	19.701	1599.6
#1	.00056	.00260	.30609	.25949	.17976	.00011	-.00245	28.879	.00016	.00009
#2	.00066	.00165	.30702	.26046	.17897	-.00001	-.00118	28.836	.00021	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00016**	**1.7849**	**31.352**	**.04517**	**37.763**	**.13475**	**-.00001**	**61.585**	**-.00012**
Stddev	.00018	.00066	.0006	.078	.00187	.195	.00078	.00012	.224	.00020
%RSD	56.178	409.03	.03355	.24779	4.1439	.51764	.57614	1019.3	.36437	165.74
#1	.00044	-.00063	1.7844	31.407	.04649	37.901	.13530	-.00009	61.743	.00002
#2	.00019	.00031	1.7853	31.297	.04384	37.625	.13420	.00007	61.426	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5446**	**.00053**	**.12712**	**-.00299**	**.00329**	**22.039**	**47.164**	**-.00110**	**.21373**	**-.00075**
Stddev	.0064	.00116	.00305	.00055	.00225	.081	.173	.00096	.00079	.00050
%RSD	.41655	220.14	2.4023	18.549	68.478	.36693	.36693	87.514	.37175	66.731
#1	1.5401	-.00029	.12928	-.00338	.00488	22.096	47.286	-.00178	.21430	-.00040
#2	1.5492	.00135	.12497	-.00259	.00170	21.982	47.042	-.00042	.21317	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00097**	**.00032**	**.00045**	**.00191**	**-.00011**
Stddev	.00016	.00024	.01107	.00057	.00020	.00096
%RSD	36.711	25.174	3441.4	126.76	10.267	869.69
#1	.00054	.00080	.00815	.00005	.00204	-.00079
#2	.00032	.00114	-.00750	.00085	.00177	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3987.4**	**62194.**	**6257.5**
Stddev	16.7	186.	13.9
%RSD	.41960	.29896	.22145
#1	3999.3	62063.	6267.3
#2	3975.6	62326.	6247.7

Sample Name: 280-27273-f-7-a Acquired: 4/10/2012 12:51:19 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00141**	**.01477**	**.77284**	**.28813**	**.00002**	**-.00737**	W **931.70**	**.00115**	**.00328**
Stddev	.00000	.00021	.00013	.00593	.00058	.00000	.00148	22.36	.00018	.00001
%RSD	.35412	14.987	.90142	.76709	.20173	9.1282	20.116	2.3997	15.784	.19056
#1	.00060	.00156	.01468	.77704	.28854	.00002	-.00632	915.89	.00127	.00328
#2	.00060	.00126	.01487	.76865	.28772	.00002	-.00841	947.51	.00102	.00327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00293**	**.04569**	W **118.99**	**.42880**	**466.79**	**.73032**	**.01168**	**96.933**	**.00471**
Stddev	.00007	.00052	.00136	.24	.00298	.02	.00042	.00058	.070	.00036
%RSD	5.3527	17.845	2.9661	.20263	.69519	.00412	.05790	4.9448	.07171	7.6919
#1	.00131	.00330	.04665	119.16	.43091	466.80	.73002	.01209	96.982	.00496
#2	.00141	.00256	.04473	118.82	.42669	466.78	.73062	.01127	96.884	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11485**	**.00523**	**162.69**	W **-.01153**	**.00999**	**27.119**	**58.036**	**.00053**	W **7.0617**	**-.00260**
Stddev	.00105	.00005	.27	.00125	.00326	.077	.165	.00014	.0883	.00183
%RSD	.91364	1.0407	.16652	10.807	32.676	.28420	.28420	26.981	1.2510	70.344
#1	.11559	.00519	162.88	-.01241	.00768	27.174	58.152	.00043	7.1241	-.00389
#2	.11411	.00527	162.49	-.01065	.01230	27.065	57.919	.00064	6.9992	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				2.0000					5.0000	
Low Limit				-.01000					-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00274**	**.02368**	**.00323**	**.00208**	**-.00009**
Stddev	.00010	.00022	.03231	.00003	.00012	.00133
%RSD	14.674	7.9486	136.44	.78101	5.6389	1481.6
#1	.00059	.00258	.04653	.00325	.00200	.00085
#2	.00073	.00289	.00083	.00321	.00216	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3378.1**	**53343.**	**5897.2**
Stddev	4.8	69.	5.4
%RSD	.14341	.12978	.09181
#1	3374.7	53294.	5901.1
#2	3381.5	53392.	5893.4

Sample Name: 280-27273-f-8-a Acquired: 4/10/2012 12:53:58 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00080**	**.00853**	**.77322**	**.28619**	**-.00004**	**-.00581**	W **906.33**	**.00105**	**.00331**
Stddev	.00028	.00053	.00298	.00008	.00235	.00001	.00119	7.39	.00009	.00010
%RSD	98.852	66.382	34.886	.01040	.82190	21.385	20.433	.81557	9.0086	3.1421
#1	.00009	.00042	.01064	.77317	.28453	-.00003	-.00665	911.56	.00112	.00339
#2	.00049	.00117	.00643	.77328	.28786	-.00004	-.00497	901.11	.00098	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00314**	**.04801**	W **115.14**	**.42150**	**462.78**	**.72053**	**.01094**	**95.718**	**.00525**
Stddev	.00003	.00016	.00167	.80	.00335	3.08	.00248	.00005	.531	.00033
%RSD	2.5495	5.1024	3.4886	.69060	.79470	.66539	.34477	.45745	.55433	6.2935
#1	.00115	.00303	.04920	114.57	.41913	460.61	.71878	.01090	95.343	.00501
#2	.00119	.00325	.04683	115.70	.42387	464.96	.72229	.01097	96.094	.00548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11246**	**.00595**	**158.08**	**-.00796**	**.00515**	**26.964**	**57.703**	**.00045**	W **6.8915**	**-.00281**
Stddev	.00188	.00051	.16	.00207	.00036	.137	.293	.00219	.0007	.00013
%RSD	1.6757	8.4848	.09867	26.050	6.9751	.50810	.50810	486.11	.00995	4.5025
#1	.11380	.00560	158.19	-.00943	.00541	26.867	57.496	-.00110	6.8910	-.00290
#2	.11113	.00631	157.97	-.00650	.00490	27.061	57.911	.00200	6.8920	-.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00121**	**.02341**	**.00307**	**.00242**	**-.00055**
Stddev	.00022	.00191	.03747	.00019	.00026	.00034
%RSD	29.163	157.95	160.07	6.1156	10.796	62.036
#1	.00090	-.00014	-.00309	.00321	.00224	-.00031
#2	.00059	.00255	.04991	.00294	.00261	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3398.3**	**53307.**	**5926.2**
Stddev	3.9	237.	7.5
%RSD	.11497	.44394	.12646
#1	3401.0	53474.	5931.5
#2	3395.5	53140.	5920.9

Sample Name: 280-27273-f-9-a Acquired: 4/10/2012 12:56:36 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00073**	**.02391**	**1.0997**	**.04831**	**-.00002**	**-.00059**	**133.33**	**.00051**	**.00078**
Stddev	.00042	.00031	.00033	.0022	.00075	.00000	.00229	1.16	.00004	.00012
%RSD	38.353	42.071	1.3971	.19953	1.5524	14.192	386.94	.87310	7.5507	15.149
#1	.00139	.00051	.02415	1.1012	.04884	-.00001	-.00221	134.15	.00048	.00069
#2	.00080	.00095	.02367	1.0981	.04778	-.00002	.00103	132.50	.00053	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00280**	**.00530**	W **221.19**	**.35079**	**159.35**	**.49670**	**.01769**	**240.57**	**.00324**
Stddev	.00003	.00020	.00118	2.32	.00136	1.08	.00402	.00003	3.25	.00023
%RSD	5.2619	7.1843	22.335	1.0484	.38757	.67969	.80858	.17795	1.3499	7.1605
#1	.00051	.00266	.00614	222.83	.35175	160.11	.49954	.01772	242.86	.00340
#2	.00047	.00294	.00446	219.55	.34983	158.58	.49386	.01767	238.27	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38706**	**.00248**	F **265.71**	**-.00418**	**.01074**	**13.619**	**29.146**	**.00016**	**1.5266**	**-.00201**
Stddev	.00363	.00049	.80	.00161	.00309	.134	.286	.00050	.0177	.00157
%RSD	.93741	19.801	.30068	38.517	28.793	.98176	.98176	316.35	1.1629	78.025
#1	.38450	.00213	266.28	-.00304	.01293	13.714	29.348	-.00020	1.5392	-.00311
#2	.38963	.00282	265.15	-.00532	.00855	13.525	28.943	.00051	1.5140	-.00090
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00088**	**.01441**	**.00470**	**.00251**	**.00061**
Stddev	.00027	.00053	.00579	.00018	.00046	.00080
%RSD	131.36	60.289	40.179	3.8792	18.352	130.32
#1	.00040	.00126	.01851	.00457	.00284	.00005
#2	.00001	.00051	.01032	.00483	.00219	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3707.2**	**57747.**	**6159.7**
Stddev	4.2	237.	21.2
%RSD	.11398	.41055	.34339
#1	3704.2	57579.	6144.8
#2	3710.2	57914.	6174.7

Sample Name: 280-27273-f-10-a Acquired: 4/10/2012 12:58:58 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00255**	**.06053**	**.48895**	**.38707**	**.00004**	**-.00027**	**64.874**	**.00045**	**.00035**
Stddev	.00009	.00093	.00026	.00219	.00170	.00005	.00145	.339	.00000	.00016
%RSD	16.177	36.401	.42191	.44750	.44004	127.04	546.22	.52195	.21643	46.198
#1	.00061	.00321	.06035	.48741	.38827	.00000	.00076	65.113	.00045	.00047
#2	.00049	.00190	.06071	.49050	.38586	.00008	-.00129	64.634	.00045	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00059**	**3.0366**	**84.460**	**.11452**	**94.168**	**.28153**	**.00931**	**137.17**	**.00033**
Stddev	.00004	.00021	.0150	.252	.00086	1.219	.00387	.00040	.62	.00000
%RSD	9.1196	35.796	.49398	.29871	.75223	1.2948	1.3750	4.3311	.44854	1.1524
#1	.00041	.00074	3.0472	84.639	.11513	95.030	.28426	.00903	137.61	.00032
#2	.00046	.00044	3.0260	84.282	.11391	93.306	.27879	.00960	136.74	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1975**	**.00142**	**104.74**	**-.00277**	**-.00066**	**16.490**	**35.289**	**.00003**	**.78253**	**-.00173**
Stddev	.0055	.00023	.13	.00080	.00219	.032	.068	.00023	.00239	.00076
%RSD	.46114	16.328	.12379	28.861	332.32	.19158	.19158	814.29	.30493	43.925
#1	1.1936	.00158	104.64	-.00334	-.00220	16.513	35.337	.00019	.78422	-.00119
#2	1.2014	.00125	104.83	-.00221	.00089	16.468	35.241	-.00013	.78085	-.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00100**	**.00564**	**.00130**	**.00244**	**-.00016**
Stddev	.00009	.00042	.01622	.00009	.00032	.00055
%RSD	51.209	41.842	287.43	7.0768	13.137	345.73
#1	.00024	.00070	.01711	.00136	.00267	.00023
#2	.00011	.00130	-.00583	.00123	.00221	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3851.8**	**60258.**	**6204.2**
Stddev	.6	723.	20.2
%RSD	.01481	1.1991	.32482
#1	3852.2	59747.	6189.9
#2	3851.4	60769.	6218.4

Sample Name: 280-27273-f-11-a Acquired: 4/10/2012 13:01:18 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.00081**	**.00150**	**.00067**	**.00026**	**.00006**	**.00150**	**.01502**	**.00004**	**.00004**
Stddev	.00004	.00014	.00092	.00047	.00001	.00003	.00043	.00003	.00005	.00004
%RSD	4.2740	17.717	61.623	70.403	3.4031	43.489	28.494	.17801	130.02	90.460
#1	.00093	.00091	.00215	.00100	.00026	.00004	.00120	.01500	.00007	.00002
#2	.00099	.00071	.00084	.00033	.00025	.00008	.00180	.01504	.00000	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00064**	**.00525**	**.20722**	**.00078**	**.00448**	**.00004**	**.00014**	**.17737**	**.00002**
Stddev	.00030	.00010	.00052	.01224	.00042	.00012	.00004	.00010	.00790	.00033
%RSD	162.01	14.968	9.9321	5.9079	53.745	2.5710	98.969	68.552	4.4542	1303.2
#1	.00040	-.00058	.00488	.19856	.00108	.00456	.00001	.00021	.18296	.00025
#2	-.00003	-.00071	.00562	.21588	.00048	.00439	.00007	.00007	.17178	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**.00035**	**.03379**	**-.00340**	**-.00041**	**.00773**	**.01654**	**.00046**	**.00004**	**-.00030**
Stddev	.00088	.00213	.00117	.00212	.00091	.02682	.05739	.00006	.00000	.00025
%RSD	104.38	606.22	3.4564	62.277	223.80	347.00	347.00	13.763	10.557	83.250
#1	-.00147	-.00116	.03461	-.00191	.00024	-.01123	-.02404	.00050	.00004	-.00047
#2	-.00022	.00186	.03296	-.00490	-.00105	.02669	.05712	.00041	.00003	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00077**	**-.01535**	**.00025**	**.00210**	**.00017**
Stddev	.00006	.00044	.01674	.00001	.00008	.00054
%RSD	85.205	57.533	109.03	4.1091	3.7378	314.53
#1	-.00003	-.00045	-.00352	.00025	.00216	.00055
#2	-.00011	-.00108	-.02719	.00026	.00205	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4179.4**	**65819.**	**6288.0**
Stddev	5.0	648.	71.2
%RSD	.12019	.98433	1.1320
#1	4175.8	65361.	6338.3
#2	4183.0	66277.	6237.7

Sample Name: 280-27273-f-12-a Acquired: 4/10/2012 13:03:43 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00766**	**.13897**	**.93041**	**.30152**	**-.00003**	**-.00153**	**54.353**	**.00036**	**-.00037**
Stddev	.00047	.00012	.00088	.00274	.00075	.00007	.00277	.092	.00013	.00005
%RSD	56.416	1.5368	.63562	.29417	.24958	204.48	180.80	.16878	36.250	14.317
#1	.00116	.00757	.13835	.92847	.30205	.00002	-.00349	54.288	.00027	-.00034
#2	.00050	.00774	.13960	.93234	.30098	-.00009	.00043	54.418	.00046	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00117**	**.34793**	**83.408**	**.13538**	**81.765**	**.13174**	**.01453**	**237.56**	**.00053**
Stddev	.00020	.00035	.00336	.037	.00046	.506	.00052	.00022	.07	.00019
%RSD	34.334	29.802	.96634	.04434	.34168	.61934	.39741	1.5285	.02996	36.970
#1	.00044	.00092	.34556	83.434	.13571	82.123	.13211	.01468	237.51	.00066
#2	.00072	.00142	.35031	83.381	.13506	81.407	.13137	.01437	237.61	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3880**	**.00145**	**95.113**	**-.00353**	**.00190**	**20.677**	**44.249**	**-.00044**	**.73312**	**-.00277**
Stddev	.0026	.00112	.162	.00027	.00441	.030	.064	.00104	.00135	.00056
%RSD	.18731	77.049	.17062	7.7800	231.62	.14505	.14505	235.64	.18449	20.079
#1	1.3862	.00225	94.998	-.00334	-.00121	20.656	44.204	-.00118	.73408	-.00237
#2	1.3899	.00066	95.228	-.00372	.00502	20.698	44.294	.00029	.73216	-.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00016**	**-.00098**	**.00209**	**.00155**	**.00086**
Stddev	.00027	.00033	.01023	.00017	.00013	.00103
%RSD	27.638	201.77	1043.3	7.9818	8.4016	119.64
#1	.00117	.00040	.00626	.00221	.00145	.00013
#2	.00079	-.00007	-.00822	.00197	.00164	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3853.4**	**60346.**	**6155.9**
Stddev	12.5	157.	3.3
%RSD	.32406	.26044	.05429
#1	3862.2	60234.	6158.3
#2	3844.5	60457.	6153.6

Sample Name: 280-27273-f-13-a Acquired: 4/10/2012 13:06:04 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00138**	**.02797**	**.83463**	**.11631**	**-.00005**	**-.00151**	**87.539**	**.00047**	**-.00002**
Stddev	.00008	.00022	.00523	.00110	.00003	.00001	.00005	.073	.00005	.00021
%RSD	9.0126	16.200	18.688	.13232	.02483	28.798	3.5664	.08365	11.459	1131.1
#1	.00078	.00154	.02427	.83541	.11633	-.00006	-.00155	87.590	.00051	-.00017
#2	.00089	.00122	.03167	.83385	.11629	-.00004	-.00147	87.487	.00043	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00189**	**.00419**	W **214.11**	**.25309**	**121.97**	**.07987**	**.00805**	**138.93**	**.00154**
Stddev	.00003	.00015	.00019	.45	.00154	.76	.00077	.00044	.14	.00002
%RSD	4.7379	7.7679	4.6528	.20810	.60759	.62314	.96539	5.5266	.09872	1.5101
#1	.00074	.00179	.00405	213.79	.25418	121.43	.07932	.00836	139.03	.00156
#2	.00069	.00200	.00433	214.42	.25201	122.50	.08041	.00773	138.83	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32700**	**.00023**	**122.74**	**-.00186**	**.01451**	**18.169**	**38.882**	**.00052**	**1.2486**	**-.00216**
Stddev	.00056	.00177	.04	.00204	.00342	.023	.048	.00044	.0029	.00098
%RSD	.17090	778.60	.03425	109.38	23.588	.12414	.12414	85.165	.23003	45.314
#1	.32740	-.00102	122.77	-.00042	.01209	18.185	38.916	.00083	1.2466	-.00146
#2	.32661	.00148	122.71	-.00330	.01693	18.153	38.847	.00021	1.2507	-.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00060**	**.01747**	**.00664**	**.00234**	**.00156**
Stddev	.00017	.00159	.00045	.00004	.00065	.00013
%RSD	52.414	265.26	2.5760	.62133	27.808	8.5277
#1	.00021	.00053	.01716	.00667	.00281	.00166
#2	.00045	-.00173	.01779	.00661	.00188	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3795.2**	**59159.**	**6218.6**
Stddev	9.8	62.	.2
%RSD	.25878	.10477	.00301
#1	3788.2	59116.	6218.5
#2	3802.1	59203.	6218.8

Sample Name: 280-27273-f-14-a Acquired: 4/10/2012 13:08:26 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00217**	**.01639**	**1.3819**	**.07822**	**.00001**	**-.00285**	**165.24**	**.00054**	**.00016**
Stddev	.00043	.00003	.00255	.0070	.00032	.00004	.00085	.58	.00006	.00007
%RSD	49.579	1.5542	15.586	.50431	.40680	512.14	29.834	.34950	10.799	46.043
#1	.00056	.00219	.01458	1.3869	.07799	-.00002	-.00225	164.83	.00058	.00021
#2	.00117	.00214	.01819	1.3770	.07844	.00004	-.00345	165.64	.00050	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00190**	**.00251**	**.02190**	W **100.93**	**.21156**	**134.64**	**.01760**	**.00593**	**96.217**	**.00239**
Stddev	.00006	.00011	.00122	.31	.00244	.16	.00011	.00020	.437	.00017
%RSD	2.9977	4.3897	5.5758	.31147	1.1553	.12241	.63262	3.6354	.45447	7.0678
#1	.00194	.00244	.02276	100.71	.20983	134.75	.01767	.00607	95.908	.00227
#2	.00186	.00259	.02104	101.15	.21328	134.52	.01752	.00579	96.526	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12309**	**.00258**	W **198.44**	**-.00549**	**.06324**	**23.809**	**50.951**	**.00045**	**1.8890**	**-.00193**
Stddev	.00146	.00020	.64	.00028	.00755	.005	.011	.00041	.0061	.00110
%RSD	1.1882	7.6869	.32079	5.0262	11.934	.02081	.02081	92.304	.32515	57.228
#1	.12412	.00273	198.89	-.00530	.06857	23.806	50.944	.00074	1.8847	-.00115
#2	.12206	.00244	197.99	-.00569	.05790	23.813	50.959	.00016	1.8934	-.00270
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00147**	**.01240**	**.00563**	**.00355**	**.00105**
Stddev	.00003	.00077	.00889	.00001	.00091	.00009
%RSD	37.141	52.373	71.656	.20477	25.706	8.9582
#1	.00009	.00201	.00612	.00564	.00420	.00098
#2	.00005	.00092	.01869	.00563	.00291	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3779.1**	**59472.**	**6277.5**
Stddev	15.2	104.	36.4
%RSD	.40301	.17437	.58038
#1	3768.3	59545.	6303.3
#2	3789.8	59398.	6251.8

Sample Name: CCVH-1351956 Acquired: 4/10/2012 13:10:48 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**53.067**	**.00006**	**.00337**	**.00053**	**.00002**	**1.0500**	**-.00284**	**.00013**	**.00040**	**.00027**	**.00355**	**53.078**
Stddev	.00017	.407	.00056	.00021	.00006	.00003	.0020	.00210	.00009	.00000	.00002	.00039	.316
%RSD	9.8020	.76745	913.36	6.1054	10.443	119.57	.18768	74.050	65.186	.82993	6.3623	10.867	.59472
#1	.00180	53.355	.00046	.00352	.00050	.00004	1.0486	-.00432	.00007	.00040	.00026	.00327	53.301
#2	.00157	52.779	-.00033	.00322	.00057	.00000	1.0514	-.00135	.00019	.00039	.00028	.00382	52.855
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27040**	**.00136**	**.02108**	**-.00003**	**-.00091**	**271.43**	**.00200**	**.00246**	**-.00329**	**5.2001**	**-.00409**	**.00125**	**.03096**
Stddev	.00641	.00223	.00203	.00004	.00010	2.05	.00010	.00153	.00045	.0011	.00306	.00494	.00628
%RSD	2.3694	163.58	9.6415	153.72	10.881	.75687	4.7743	62.262	13.605	.02133	74.790	394.84	20.283
#1	.26587	-.00021	.02252	-.00006	-.00098	272.88	.00193	.00138	-.00361	5.2009	-.00626	.00474	.02652
#2	.27493	.00293	.01964	.00000	-.00084	269.97	.00207	.00355	-.00298	5.1994	-.00193	-.00224	.03541
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06626**	**.00273**	**.00043**	**5.1187**	**.00246**	**.00050**	**10.229**	**.00203**	**.00098**	**.01211**
Stddev	.01344	.00127	.00003	.0027	.00014	.00050	.033	.00045	.00022	.00353
%RSD	20.283	46.413	6.9413	.05256	5.7665	99.134	.32118	22.171	21.984	29.184
#1	.05676	.00183	.00041	5.1206	.00236	.00015	10.206	.00171	.00114	.01461
#2	.07577	.00363	.00045	5.1168	.00256	.00086	10.252	.00234	.00083	.00961
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3970.6**	**61830.**	**6297.3**
Stddev	2.3	11.	25.1
%RSD	.05874	.01796	.39856
#1	3972.3	61822.	6315.0
#2	3969.0	61838.	6279.5

Sample Name: CCV-1351954 Acquired: 4/10/2012 13:13:08 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52133**	**.50470**	**.97641**	**.51581**	**.53053**	**.50367**	**-.00201**	**5.0678**	**.51599**	**.50772**	**.50749**	**.52183**	**2.6291**
Stddev	.00042	.00276	.00077	.00048	.00712	.00735	.00058	.0648	.00090	.00157	.00178	.00231	.0356
%RSD	.08123	.54718	.07870	.09343	1.3415	1.4589	28.799	1.2795	.17485	.30836	.35112	.44302	1.3531
#1	.52163	.50275	.97695	.51547	.53556	.50886	-.00160	5.1137	.51535	.50661	.50623	.52346	2.6542
#2	.52103	.50665	.97586	.51615	.52549	.49847	-.00242	5.0220	.51663	.50882	.50875	.52019	2.6039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.648**	**1.0507**	**19.879**	**.50718**	**.50369**	**5.2336**	**.50862**	**.99714**	**.97597**	**.03113**	**1.0171**	**1.0466**	**5.0425**
Stddev	.627	.0136	.005	.00109	.00077	.0638	.00135	.00016	.00111	.00309	.0033	.0007	.0524
%RSD	1.1902	1.2979	.02695	.21497	.15285	1.2192	.26639	.01564	.11350	9.9238	.32785	.06740	1.0395
#1	53.092	1.0604	19.875	.50795	.50314	5.2788	.50767	.99725	.97675	.03332	1.0147	1.0471	5.0795
#2	52.205	1.0411	19.883	.50640	.50423	5.1885	.50958	.99703	.97518	.02895	1.0194	1.0461	5.0054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.791**	**1.0217**	**.52249**	**-.00175**	**.49741**	**1.0570**	**.01955**	**.50291**	**.47963**	**.51852**
Stddev	.112	.0058	.00722	.00091	.00006	.0012	.00793	.00027	.00037	.00565
%RSD	1.0395	.56564	1.3824	51.922	.01275	.11516	40.581	.05294	.07716	1.0888
#1	10.870	1.0177	.52760	-.00239	.49746	1.0562	.02516	.50272	.47937	.52251
#2	10.712	1.0258	.51738	-.00111	.49737	1.0579	.01394	.50310	.47989	.51453
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4033.0**	**63323.**	**6307.7**
Stddev	.4	307.	46.9
%RSD	.01019	.48417	.74294
#1	4032.8	63106.	6274.6
#2	4033.3	63540.	6340.8

Sample Name: CCB Acquired: 4/10/2012 13:15:20 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00045**	**.00219**	**.00088**	**.00010**	**-.00001**	**-.00214**	**-.00297**	**.00013**	**-.00021**	**-.00006**	**-.00087**
Stddev	.00025	.00078	.00187	.00044	.00019	.00005	.00123	.00027	.00003	.00002	.00001	.00014
%RSD	39.237	174.33	85.632	50.082	188.09	839.94	57.464	8.9983	22.324	11.306	17.867	16.293
#1	.00082	-.00010	.00086	.00057	.00024	-.00004	-.00301	-.00316	.00015	-.00023	-.00007	-.00098
#2	.00046	.00099	.00351	.00119	-.00003	.00003	-.00127	-.00278	.00011	-.00019	-.00006	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.11804**	**.00089**	**.00377**	**.00003**	**.00105**	W **.09179**	**.00008**	**-.00162**	**.00059**	**.02709**	**-.00175**
Stddev	.00202	.02207	.00123	.00297	.00003	.00041	.00061	.00005	.00108	.00012	.00642	.00191
%RSD	206.15	18.700	138.80	78.946	84.164	39.403	.66534	66.219	66.791	20.004	23.701	109.40
#1	-.00045	.13364	.00002	.00587	.00005	.00076	.09135	.00011	-.00239	.00068	.02255	-.00310
#2	.00241	.10243	.00176	.00166	.00001	.00135	.09222	.00004	-.00086	.00051	.03163	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**-.00012**	**-.00027**	**.00093**	**.00001**	**.00083**	**.00014**	**-.00106**	**-.00207**	**.00022**	**.00150**	**.00014**
Stddev	.00033	.00133	.00284	.00005	.00012	.00071	.00002	.00073	.00595	.00009	.00043	.00038
%RSD	37.669	1063.7	1063.7	5.0431	1392.4	85.067	14.080	68.916	287.99	41.059	28.622	266.88
#1	-.00111	-.00106	-.00228	.00096	-.00008	.00134	.00013	-.00054	.00214	.00015	.00181	.00041
#2	-.00064	.00081	.00174	.00090	.00009	.00033	.00015	-.00157	-.00627	.00028	.00120	-.00012
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4109.5**	**65080.**	**6247.5**
Stddev	2.6	408.	.9
%RSD	.06405	.62627	.01402
#1	4111.3	64792.	6246.9
#2	4107.6	65368.	6248.2

Sample Name: CCVL1351959 Acquired: 4/10/2012 13:17:45 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.10494**	**.01501**	**.09517**	**.01102**	**.00096**	**.10888**	**.20487**	**.00528**	**.01039**	**.01024**	**.01504**	**.10738**
Stddev	.00007	.00105	.00001	.00044	.00006	.00006	.00161	.00524	.00006	.00000	.00005	.00007	.00166
%RSD	.67077	1.0034	.09281	.45815	.57563	6.0149	1.4798	2.5569	1.0797	.00855	.47481	.46488	1.5483
#1	.01111	.10568	.01501	.09548	.01098	.00092	.11002	.20858	.00524	.01039	.01028	.01509	.10855
#2	.01100	.10419	.01502	.09487	.01107	.00100	.10774	.20117	.00532	.01039	.01021	.01499	.10620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3509**	**.01079**	**.20648**	**.01046**	**.01972**	**1.1555**	**.04105**	**2.7584**	**.00975**	**.02414**	**.00793**	**.01595**	**.49642**
Stddev	.0093	.00057	.00293	.00007	.00027	.0069	.00010	.0133	.00187	.00058	.00107	.00359	.00205
%RSD	.27880	5.3280	1.4179	.71373	1.3514	.59536	.24669	.48055	19.130	2.4040	13.555	22.542	.41239
#1	3.3443	.01119	.20855	.01051	.01953	1.1604	.04098	2.7678	.00843	.02455	.00869	.01849	.49787
#2	3.3575	.01038	.20441	.01041	.01991	1.1506	.04113	2.7490	.01107	.02373	.00717	.01341	.49497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0623**	**.10112**	**.01068**	**.01482**	**.00977**	**.01507**	F **.08583**	**.01024**	**.02022**	**.01606**
Stddev	.0044	.00105	.00004	.00022	.00000	.00003	.00074	.00020	.00000	.00042
%RSD	.41239	1.0401	.36145	1.4887	.02951	.22443	.86070	1.9577	.00793	2.5990
#1	1.0654	.10187	.01065	.01467	.00977	.01509	.08635	.01038	.02022	.01636
#2	1.0592	.10038	.01071	.01498	.00978	.01505	.08530	.01010	.02022	.01577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4143.7**	**65387.**	**6318.3**
Stddev	14.9	3.	50.6
%RSD	.35920	.00525	.80074
#1	4133.2	65385.	6282.6
#2	4154.2	65389.	6354.1

Sample Name: mb 280-114413/1-a Acquired: 4/10/2012 13:20:08 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00222**	**.00458**	**.00016**	**.00332**	**.00002**	**-.00144**	**.00170**	**.00013**	**-.00006**
Stddev	.00045	.00010	.00229	.00019	.00029	.00003	.00182	.00224	.00003	.00018
%RSD	49.216	4.6843	49.941	123.84	8.8393	174.23	126.61	131.85	24.826	294.96
#1	.00122	.00229	.00296	.00002	.00311	.00004	-.00015	.00328	.00016	.00007
#2	.00059	.00214	.00620	.00029	.00353	.00000	-.00272	.00011	.00011	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00047**	**.00285**	**.05740**	**-.00086**	**.00450**	**.00015**	**-.00010**	**.07705**	**-.00023**
Stddev	.00021	.00025	.00138	.00891	.00182	.00219	.00005	.00002	.00498	.00007
%RSD	1569.0	51.985	48.574	15.531	211.44	48.524	34.047	20.234	6.4618	30.318
#1	-.00016	-.00030	.00383	.05109	.00043	.00296	.00019	-.00012	.08057	-.00018
#2	.00013	-.00065	.00187	.06370	-.00215	.00605	.00012	-.00009	.07352	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.00083**	F **.02025**	**-.00328**	**.00057**	W **-.00864**	**-.01848**	**.00079**	**.00032**	**-.00004**
Stddev	.00132	.00032	.00109	.00074	.00271	.01119	.02396	.00087	.00004	.00021
%RSD	167.75	39.086	5.3824	22.471	471.27	129.62	129.62	110.35	13.876	548.66
#1	-.00172	.00106	.01947	-.00380	.00249	-.01655	-.03542	.00140	.00035	-.00019
#2	.00015	.00060	.02102	-.00276	-.00134	-.00072	-.00154	.00017	.00029	.00011
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00132**	**.01188**	**.00011**	**.00204**	**.00061**
Stddev	.00019	.00160	.00542	.00006	.00002	.00062
%RSD	208.75	120.59	45.624	57.699	.76013	101.61
#1	.00004	-.00245	.01572	.00016	.00205	.00017
#2	-.00022	-.00020	.00805	.00007	.00203	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4176.0**	**65687.**	**6402.9**
Stddev	6.0	173.	47.5
%RSD	.14439	.26386	.74152
#1	4180.3	65564.	6436.5
#2	4171.8	65810.	6369.4

Sample Name: lcs 280-114413/2-a Acquired: 4/10/2012 13:22:33 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05479**	**1.8717**	**1.0070**	**1.0300**	**2.1107**	**.05075**	**2.1694**	**49.646**	**.10438**	**.49722**
Stddev	.00005	.0007	.0034	.0043	.0332	.00070	.0053	.745	.00028	.00066
%RSD	.09351	.03828	.34264	.41464	1.5739	1.3709	.24232	1.5004	.26994	.13286
#1	.05475	1.8712	1.0046	1.0270	2.0872	.05026	2.1657	49.120	.10418	.49675
#2	.05482	1.8722	1.0094	1.0330	2.1342	.05125	2.1732	50.173	.10458	.49768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20135**	**.26510**	**1.0427**	**53.029**	**1.0594**	**49.388**	**.51356**	**1.0141**	**55.325**	**.50257**
Stddev	.00056	.00157	.0170	.713	.0168	.092	.00131	.0019	1.042	.00077
%RSD	.27809	.59374	1.6268	1.3453	1.5850	.18674	.25533	.18352	1.8837	.15260
#1	.20095	.26398	1.0307	52.525	1.0475	49.454	.51449	1.0128	54.588	.50203
#2	.20174	.26621	1.0547	53.534	1.0712	49.323	.51263	1.0154	56.062	.50312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.207**	**.48738**	**.02613**	**.49750**	**2.1314**	**10.082**	F **21.576**	**2.0172**	**1.0548**	**1.0249**
Stddev	.026	.00014	.00232	.00091	.0034	.190	.408	.0067	.0150	.0003
%RSD	.25515	.02853	8.8754	.18269	.16195	1.8890	1.8890	.33131	1.4272	.03142
#1	10.188	.48728	.02776	.49686	2.1290	9.9477	21.288	2.0125	1.0442	1.0247
#2	10.225	.48748	.02449	.49814	2.1338	10.217	21.865	2.0219	1.0654	1.0252
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0127**	**2.0575**	**2.2048**	**.51144**	**.47715**	**.52014**
Stddev	.0014	.0009	.0010	.00034	.00210	.01043
%RSD	.13477	.04308	.04768	.06738	.43984	2.0053
#1	1.0137	2.0569	2.2055	.51119	.47863	.51277
#2	1.0117	2.0581	2.2040	.51168	.47566	.52752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3951.5**	**61753.**	**6380.7**
Stddev	8.2	70.	93.9
%RSD	.20765	.11285	1.4709
#1	3957.3	61704.	6447.0
#2	3945.7	61802.	6314.3

Sample Name: 280-27308-c-1-a Acquired: 4/10/2012 13:24:42 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.00442	.00143	.11595	.30836	-.00001	-.00310	82.236	.00033	-.00013
Stddev	.00006	.00059	.00008	.00025	.00430	.00004	.00101	1.000	.00014	.00013
%RSD	11.379	13.323	5.7778	.21525	1.3960	672.75	32.575	1.2156	43.929	96.259
#1	.00049	.00483	.00137	.11577	.30532	-.00004	-.00381	81.529	.00022	-.00004
#2	.00058	.00400	.00148	.11613	.31140	.00002	-.00238	82.943	.00043	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00079	.18881	2.1658	.03475	24.887	.28528	.00231	111.51	-.00014
Stddev	.00004	.00020	.00059	.0192	.00186	.069	.00042	.00066	1.34	.00005
%RSD	18.294	25.893	.31068	.88854	5.3421	.27769	.14866	28.742	1.2042	36.150
#1	.00020	.00094	.18839	2.1522	.03344	24.936	.28558	.00184	110.56	-.00010
#2	.00026	.00065	.18922	2.1794	.03607	24.838	.28498	.00278	112.45	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24916	.00103	4.1373	-.00312	.00199	10.807	23.128	.00072	.63213	-.00195
Stddev	.00078	.00037	.0043	.00044	.00288	.092	.197	.00060	.00833	.00060
%RSD	.31368	35.530	.10315	14.069	144.22	.85166	.85166	83.906	1.3174	30.763
#1	.24971	.00077	4.1342	-.00281	.00403	10.742	22.989	.00029	.62624	-.00237
#2	.24860	.00129	4.1403	-.00343	-.00004	10.873	23.267	.00114	.63802	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00039	.00091	.01746	.00075	.00195	.00023
Stddev	.00000	.00093	.01333	.00025	.00025	.00253
%RSD	.48880	102.93	76.336	32.901	12.975	1110.4
#1	.00040	.00025	.02689	.00092	.00177	-.00156
#2	.00039	.00157	.00804	.00057	.00213	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3911.3	61720.	6276.2
Stddev	14.3	195.	51.0
%RSD	.36614	.31653	.81258
#1	3921.5	61582.	6312.2
#2	3901.2	61858.	6240.1

Sample Name: 280-27308-c-1-aSD@5 Acquired: 4/10/2012 13:27:04 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00823**	**.00149**	**.02294**	**.06094**	**.00004**	**-.00010**	**16.194**	**.00020**	**-.00019**
Stddev	.00007	.00027	.00152	.00011	.00004	.00003	.00052	.017	.00016	.00004
%RSD	8.8506	3.3190	101.80	.48036	.06305	73.078	502.91	.10657	77.890	18.735
#1	.00078	.00804	.00042	.02287	.06097	.00002	.00026	16.206	.00031	-.00022
#2	.00069	.00843	.00257	.02302	.06091	.00006	-.00047	16.181	.00009	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00054**	**.04030**	**.47405**	**.00682**	**5.0998**	**.05788**	**.00015**	**22.593**	**-.00017**
Stddev	.00008	.00009	.00301	.00802	.00093	.0198	.00027	.00011	.022	.00025
%RSD	1769.7	16.742	7.4774	1.6915	13.692	.38743	.47218	73.013	.09939	143.25
#1	.00006	-.00047	.04243	.46838	.00748	5.0858	.05769	.00022	22.577	-.00035
#2	-.00005	-.00060	.03817	.47972	.00616	5.1137	.05808	.00007	22.609	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04787**	**.00073**	**.80912**	**-.00334**	**-.00366**	**2.0758**	**4.4421**	**.00033**	**.12437**	**-.00058**
Stddev	.00238	.00079	.00073	.00049	.00270	.0130	.0279	.00085	.00009	.00058
%RSD	4.9785	108.34	.08967	14.672	73.770	.62740	.62740	256.58	.07214	99.233
#1	.04955	.00017	.80964	-.00369	-.00175	2.0850	4.4618	.00093	.12443	-.00017
#2	.04618	.00130	.80861	-.00299	-.00557	2.0666	4.4224	-.00027	.12431	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00104**	**.04262**	**.00035**	**.00234**	**.00070**
Stddev	.00004	.00099	.02384	.00019	.00056	.00119
%RSD	16.343	95.286	55.942	55.166	24.009	168.58
#1	.00023	-.00175	.05948	.00049	.00195	-.00014
#2	.00029	-.00034	.02576	.00021	.00274	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4091.0**	**63882.**	**6344.0**
Stddev	11.1	154.	10.3
%RSD	.27025	.24131	.16172
#1	4098.8	63991.	6336.8
#2	4083.2	63773.	6351.3

Sample Name: 280-27308-c-1-b ms Acquired: 4/10/2012 13:29:27 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05486**	**1.8629**	**1.0229**	**1.1434**	**2.4450**	**.05120**	F **2.1555**	**130.84**	**.10609**	**.49342**
Stddev	.00006	.0038	.0019	.0002	.0121	.00016	.0043	.54	.00043	.00010
%RSD	.10075	.20585	.18613	.01829	.49274	.30429	.19971	.41265	.40577	.02022
#1	.05489	1.8602	1.0215	1.1433	2.4535	.05131	2.1585	131.22	.10578	.49349
#2	.05482	1.8656	1.0242	1.1436	2.4365	.05109	2.1525	130.46	.10639	.49335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20282**	**.26517**	**1.2341**	**56.320**	**1.1107**	**73.599**	**.79296**	**1.0231**	**165.51**	**.49865**
Stddev	.00045	.00161	.0110	.205	.0095	.102	.00106	.0001	1.23	.00006
%RSD	.22017	.60732	.89418	.36410	.85359	.13879	.13340	.00608	.74113	.01176
#1	.20250	.26403	1.2419	56.465	1.1174	73.526	.79221	1.0231	166.37	.49861
#2	.20313	.26630	1.2263	56.175	1.1040	73.671	.79371	1.0232	164.64	.49869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.687**	**.48002**	**4.1320**	**.50084**	**2.1314**	**20.985**	**44.907**	W **2.0144**	**1.6968**	**1.0266**
Stddev	.016	.00145	.0000	.00187	.0025	.103	.221	.0047	.0086	.0006
%RSD	.14960	.30185	.00048	.37429	.11640	.49106	.49106	.23600	.50992	.05866
#1	10.676	.47900	4.1320	.49951	2.1332	21.057	45.063	2.0110	1.7029	1.0270
#2	10.699	.48105	4.1320	.50217	2.1297	20.912	44.751	2.0177	1.6907	1.0262
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0171**	**1.9747**	**2.1672**	**.51465**	**.47607**	**.53174**
Stddev	.0010	.0054	.0047	.00059	.00040	.00432
%RSD	.09583	.27442	.21766	.11379	.08418	.81157
#1	1.0164	1.9785	2.1638	.51507	.47636	.53479
#2	1.0178	1.9708	2.1705	.51424	.47579	.52869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3801.6**	**59705.**	**6294.3**
Stddev	.8	154.	34.3
%RSD	.02099	.25766	.54485
#1	3801.0	59814.	6270.1
#2	3802.2	59596.	6318.6

Sample Name: 280-27308-c-1-c msd Acquired: 4/10/2012 13:31:35 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05515**	**1.8422**	**1.0212**	**1.1354**	**2.4058**	**.05085**	F **2.1363**	**130.19**	**.10522**	**.48940**
Stddev	.00067	.0039	.0012	.0027	.0028	.00018	.0053	.01	.00004	.00079
%RSD	1.2214	.21168	.11625	.24106	.11555	.34745	.24654	.00385	.03389	.16216
#1	.05467	1.8450	1.0221	1.1374	2.4038	.05097	2.1400	130.20	.10524	.48996
#2	.05563	1.8394	1.0204	1.1335	2.4078	.05072	2.1326	130.19	.10519	.48884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20121**	**.26588**	**1.2182**	**55.684**	**1.0936**	**73.585**	**.79427**	**1.0165**	**163.84**	**.49468**
Stddev	.00015	.00138	.0011	.070	.0014	.305	.00542	.0035	.48	.00180
%RSD	.07247	.52074	.08985	.12559	.12675	.41441	.68289	.34730	.29190	.36362
#1	.20110	.26490	1.2174	55.634	1.0945	73.369	.79043	1.0190	163.50	.49595
#2	.20131	.26686	1.2190	55.733	1.0926	73.800	.79811	1.0140	164.18	.49341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.590**	**.47843**	**4.1077**	**.50049**	**2.1186**	**20.937**	**44.805**	**1.9990**	**1.6710**	**1.0234**
Stddev	.017	.00013	.0173	.00212	.0197	.055	.117	.0067	.0005	.0067
%RSD	.16513	.02805	.42191	.42275	.92986	.26224	.26224	.33578	.02791	.65229
#1	10.603	.47852	4.1200	.50199	2.1325	20.898	44.722	1.9942	1.6707	1.0187
#2	10.578	.47833	4.0955	.49899	2.1047	20.976	44.888	2.0037	1.6713	1.0282
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0167**	**1.9595**	**2.1652**	**.51288**	**.47461**	**.52334**
Stddev	.0060	.0020	.0101	.00263	.00393	.00032
%RSD	.58640	.10259	.46449	.51223	.82829	.06067
#1	1.0125	1.9581	2.1581	.51102	.47183	.52357
#2	1.0209	1.9609	2.1723	.51473	.47739	.52312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3820.6**	**59464.**	**6175.2**
Stddev	1.8	436.	12.8
%RSD	.04677	.73257	.20724
#1	3821.9	59772.	6184.2
#2	3819.4	59156.	6166.1

Sample Name: 280-27308-c-2-a Acquired: 4/10/2012 13:33:43 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00757**	**.00662**	**.10847**	**.30341**	**.00001**	**-.00494**	**60.808**	**.00024**	**-.00039**
Stddev	.00006	.00049	.00118	.00034	.00077	.00007	.00108	.371	.00001	.00017
%RSD	5.2920	6.4905	17.818	.30887	.25261	865.24	21.863	.60966	2.8142	42.119
#1	.00102	.00722	.00578	.10824	.30395	.00006	-.00417	61.071	.00023	-.00051
#2	.00110	.00792	.00745	.10871	.30287	-.00004	-.00570	60.546	.00024	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00093**	**.06789**	**2.1509**	**.02925**	**16.872**	**.05611**	**.00331**	**91.733**	**-.00013**
Stddev	.00027	.00013	.00069	.0459	.00033	.048	.00026	.00105	.435	.00013
%RSD	67.846	13.751	1.0185	2.1337	1.1310	.28382	.46625	31.667	.47465	96.470
#1	.00021	.00084	.06838	2.1833	.02948	16.838	.05592	.00257	92.041	-.00004
#2	.00059	.00102	.06740	2.1184	.02902	16.906	.05629	.00405	91.425	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09850**	**-.00042**	**4.8147**	**-.00441**	**-.00010**	**10.699**	**22.897**	**.00120**	**.67377**	**-.00014**
Stddev	.00110	.00045	.0077	.00047	.00052	.101	.217	.00140	.00269	.00193
%RSD	1.1158	107.40	.15981	10.759	530.62	.94815	.94815	116.67	.39997	1340.0
#1	.09927	-.00074	4.8092	-.00474	.00027	10.771	23.050	.00021	.67567	-.00151
#2	.09772	-.00010	4.8201	-.00407	-.00047	10.628	22.743	.00219	.67186	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00117**	**.00779**	**.00018**	**.00580**	**.00090**
Stddev	.00001	.00031	.02522	.00010	.00045	.00180
%RSD	2.0645	26.448	323.77	55.390	7.8233	201.14
#1	.00050	.00096	.02562	.00025	.00612	-.00038
#2	.00052	.00139	-.01004	.00011	.00548	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3955.5**	**61722.**	**6218.6**
Stddev	18.1	90.	39.8
%RSD	.45734	.14617	.63942
#1	3968.3	61785.	6190.5
#2	3942.7	61658.	6246.7

Sample Name: 280-27308-c-3-a Acquired: 4/10/2012 13:36:05 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00090	.00324	-.00182	.10703	.24860	.00002	-.00366	75.026	.00025	-.00035
Stddev	.00047	.00031	.00837	.00128	.00184	.00001	.00152	.725	.00001	.00000
%RSD	52.560	9.6073	459.39	1.1962	.74118	71.986	41.500	.96657	5.1277	.05041
#1	.00057	.00302	-.00774	.10612	.24730	.00003	-.00473	74.513	.00026	-.00035
#2	.00123	.00346	.00410	.10793	.24990	.00001	-.00258	75.538	.00024	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00027	.00934	1.3714	.03011	21.681	.05297	.00095	103.31	-.00046
Stddev	.00012	.00044	.00228	.0186	.00101	.073	.00006	.00016	.17	.00009
%RSD	76.885	163.38	24.366	1.3524	3.3500	.33597	.10511	17.171	.16008	19.805
#1	.00007	-.00004	.00773	1.3845	.02939	21.630	.05293	.00107	103.19	-.00039
#2	.00023	.00058	.01095	1.3582	.03082	21.733	.05300	.00084	103.43	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05240	.00151	4.9466	-.00305	.00030	11.137	23.834	.00052	.55031	-.00148
Stddev	.00242	.00137	.0675	.00006	.00174	.103	.219	.00015	.00279	.00006
%RSD	4.6258	90.647	1.3645	1.8830	589.38	.92044	.92044	29.096	.50748	4.0700
#1	.05069	.00054	4.8989	-.00301	.00153	11.065	23.679	.00063	.54833	-.00144
#2	.05412	.00248	4.9943	-.00309	-.00093	11.210	23.989	.00042	.55228	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	-.00024	.02336	.00166	.00103	-.00098
Stddev	.00023	.00050	.01883	.00001	.00012	.00037
%RSD	51.704	212.89	80.588	.60798	11.379	37.784
#1	.00028	.00012	.01005	.00165	.00095	-.00124
#2	.00060	-.00059	.03668	.00167	.00112	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3898.3	61411.	6170.5
Stddev	22.4	121.	70.4
%RSD	.57413	.19650	1.1409
#1	3914.1	61496.	6220.3
#2	3882.5	61326.	6120.7

Sample Name: CCVH-1351956 Acquired: 4/10/2012 13:38:25 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**52.677**	**-.00085**	**.00272**	**.00060**	**.00004**	**1.0256**	**.01090**	**-.00001**	**.00009**	**.00025**	**.00400**	**52.689**
Stddev	.00036	.266	.00111	.00039	.00019	.00000	.0065	.00082	.00011	.00002	.00000	.00032	.178
%RSD	24.170	.50504	130.74	14.204	30.775	6.3270	.63366	7.5558	802.37	19.925	.50170	8.1205	.33841
#1	.00125	52.865	-.00006	.00300	.00074	.00005	1.0302	.01148	.00007	.00010	.00025	.00423	52.816
#2	.00176	52.488	-.00163	.00245	.00047	.00004	1.0210	.01031	-.00009	.00007	.00025	.00377	52.563
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11509**	**.00074**	**.02347**	**-.00009**	**-.00093**	**270.38**	**.00172**	**.00338**	**-.00237**	**5.0645**	**-.00350**	**.00333**	**.01833**
Stddev	.01015	.00249	.00103	.00002	.00004	1.47	.00006	.00103	.00131	.0334	.00154	.00388	.01798
%RSD	8.8214	335.01	4.3845	24.961	4.5559	.54259	3.6809	30.405	55.327	.65932	44.134	116.70	98.117
#1	.12227	.00251	.02419	-.00011	-.00090	271.42	.00168	.00265	-.00144	5.0881	-.00459	.00607	.00561
#2	.10792	-.00102	.02274	-.00008	-.00096	269.34	.00177	.00410	-.00329	5.0409	-.00241	.00058	.03105
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03923**	**.00259**	**.00051**	**5.0554**	**.00248**	**.00054**	**10.084**	**.00234**	**.00110**	**.01357**
Stddev	.03849	.00147	.00007	.0296	.00023	.00136	.032	.00011	.00006	.00120
%RSD	98.117	56.688	12.906	.58465	9.1991	254.38	.32062	4.7486	5.2847	8.8093
#1	.01201	.00155	.00046	5.0345	.00232	-.00043	10.061	.00226	.00106	.01442
#2	.06644	.00363	.00055	5.0763	.00264	.00150	10.107	.00242	.00114	.01273
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.3**	**61524.**	**6200.7**
Stddev	3.2	223.	4.6
%RSD	.08055	.36251	.07419
#1	3990.0	61681.	6203.9
#2	3994.5	61366.	6197.4

Sample Name: CCV-1351954 Acquired: 4/10/2012 13:40:44 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51620**	**.50279**	**.97180**	**.50924**	**.53283**	**.50398**	**-.00342**	**5.0729**	**.51247**	**.50476**	**.50556**	**.51760**	**2.6328**
Stddev	.00378	.00059	.00411	.00146	.00384	.00252	.00025	.0323	.00039	.00015	.00010	.00354	.0177
%RSD	.73140	.11690	.42261	.28758	.72097	.49914	7.2123	.63739	.07570	.03059	.01976	.68313	.67159
#1	.51353	.50321	.96889	.50820	.53554	.50576	-.00359	5.0957	.51274	.50465	.50563	.51510	2.6453
#2	.51887	.50237	.97470	.51027	.53011	.50220	-.00325	5.0500	.51219	.50487	.50549	.52010	2.6203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.024**	**1.0575**	**19.797**	**.50415**	**.50234**	**5.2280**	**.50545**	**.99308**	**.97069**	**.02113**	**1.0085**	**1.0452**	**5.0368**
Stddev	.282	.0069	.071	.00132	.00043	.0312	.00028	.00280	.00198	.00456	.0005	.0007	.0089
%RSD	.53163	.64737	.36065	.26249	.08614	.59686	.05590	.28205	.20348	21.581	.04846	.06768	.17561
#1	53.224	1.0623	19.746	.50321	.50265	5.2501	.50525	.99110	.96930	.02436	1.0088	1.0447	5.0431
#2	52.825	1.0526	19.847	.50508	.50204	5.2059	.50565	.99506	.97209	.01791	1.0081	1.0457	5.0306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.779**	**1.0159**	**.52336**	**-.00234**	**.49477**	**1.0511**	**.00393**	**.50144**	**.47869**	**.52085**
Stddev	.019	.0019	.00353	.00112	.00336	.0012	.00585	.00384	.00214	.00530
%RSD	.17561	.18424	.67526	47.969	.67909	.11157	149.05	.76572	.44711	1.0169
#1	10.792	1.0146	.52586	-.00154	.49240	1.0519	.00806	.49872	.47718	.52460
#2	10.765	1.0173	.52086	-.00313	.49715	1.0503	-.00021	.50415	.48020	.51711
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.9**	**63176.**	**6204.0**
Stddev	1.2	109.	19.8
%RSD	.02909	.17268	.31876
#1	4051.7	63253.	6190.0
#2	4050.1	63099.	6218.0

Sample Name: CCB Acquired: 4/10/2012 13:42:54 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00001**	**.00265**	**.00067**	**.00031**	**.00000**	**-.00310**	**-.00131**	**.00004**	**-.00020**	**-.00002**	**-.00109**	**.00077**
Stddev	.00031	.00009	.00130	.00002	.00038	.0000	.00124	.00177	.00007	.00021	.00004	.00021	.00344
%RSD	61.408	936.58	49.248	3.5804	122.83	42.398	40.161	135.16	184.83	102.64	202.84	19.711	447.36
#1	.00029	-.00005	.00357	.00068	.00004	.00000	-.00398	-.00256	-.00001	-.00006	-.00005	-.00124	.00320
#2	.00073	.00007	.00172	.00065	.00058	.00000	-.00222	-.00006	.00009	-.00035	.00001	-.00093	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06271**	**.00128**	**.00329**	**.00005**	**.00089**	**.08293**	**-.00026**	**-.00174**	**.00044**	**.01340**	**.00103**	**-.00070**	**.00268**
Stddev	.00508	.00203	.00058	.00002	.00003	.00445	.00023	.00134	.00154	.00135	.00083	.00182	.01245
%RSD	8.1039	159.54	17.462	42.370	3.5842	5.3658	88.416	76.938	353.54	10.095	80.268	259.25	465.05
#1	.05912	.00271	.00289	.00007	.00091	.08607	-.00042	-.00268	.00153	.01436	.00044	.00058	-.00613
#2	.06630	-.00016	.00370	.00004	.00086	.07978	-.00010	-.00079	-.00065	.01245	.00161	-.00199	.01148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00573**	**.00078**	**-.00001**	**.00007**	**-.00002**	**-.00148**	**-.00523**	**-.00007**	**.00114**	**.00097**
Stddev	.02665	.00150	.00005	.00106	.00001	.00133	.00691	.00028	.00000	.00017
%RSD	465.05	192.81	615.12	1520.7	38.021	90.024	132.15	380.42	.04729	17.928
#1	-.01311	-.00028	.00003	.00082	-.00002	-.00054	-.01012	.00012	.00114	.00085
#2	.02457	.00184	-.00005	-.00068	-.00003	-.00242	-.00034	-.00027	.00114	.00110
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.2**	**64831.**	**6144.6**
Stddev	2.7	571.	20.4
%RSD	.06616	.88010	.33120
#1	4080.2	65235.	6130.2
#2	4076.3	64428.	6159.0

Sample Name: CCVL1351959 Acquired: 4/10/2012 13:45:19 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01082**	**.10420**	**.01341**	**.09589**	**.01089**	**.00098**	**.10695**	**.20401**	**.00526**	**.01047**	**.01030**	**.01491**	**.10407**
Stddev	.00037	.00025	.00114	.00015	.00013	.00013	.00207	.00071	.00016	.00019	.00012	.00013	.00113
%RSD	3.4187	.23544	8.4743	.16014	1.1735	13.247	1.9316	.34970	3.0300	1.8145	1.1389	.90187	1.0838
#1	.01056	.10437	.01421	.09578	.01098	.00089	.10841	.20351	.00538	.01061	.01038	.01482	.10487
#2	.01108	.10403	.01260	.09600	.01080	.00107	.10549	.20452	.00515	.01034	.01021	.01501	.10327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3028**	**.00898**	**.20751**	**.01046**	**.01999**	**1.1465**	**.04121**	**2.7464**	**.00961**	**.01263**	**.00710**	**.01334**	**.47948**
Stddev	.0565	.00178	.00037	.00006	.00000	.0159	.00003	.0121	.00070	.00228	.00022	.00139	.00810
%RSD	1.7090	19.867	.18028	.55529	.02181	1.3883	.07753	.44063	7.2370	18.041	3.1143	10.400	1.6886
#1	3.3427	.01024	.20724	.01050	.01999	1.1577	.04118	2.7549	.01010	.01424	.00725	.01432	.48520
#2	3.2629	.00772	.20777	.01042	.01999	1.1352	.04123	2.7378	.00912	.01102	.00694	.01236	.47375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0261**	**.10161**	**.01074**	**.01404**	**.00950**	**.01510**	F **.08621**	**.01017**	**.02090**	**.01624**
Stddev	.0173	.00069	.00016	.00154	.00010	.00100	.02043	.00026	.00033	.00003
%RSD	1.6886	.67551	1.4682	10.949	1.0645	6.6284	23.694	2.5958	1.5766	.17649
#1	1.0383	.10113	.01085	.01296	.00957	.01439	.10065	.01036	.02114	.01626
#2	1.0138	.10210	.01063	.01513	.00943	.01580	.07176	.00999	.02067	.01622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.2**	**65029.**	**6231.5**
Stddev	18.8	130.	77.5
%RSD	.45700	.20067	1.2440
#1	4102.9	65121.	6176.7
#2	4129.5	64936.	6286.3

Sample Name: 280-27308-c-4-a Acquired: 4/10/2012 13:47:43 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00349	.00482	.07623	.51973	-.00002	-.00505	157.21	.00057	.00108
Stddev	.00048	.00032	.00246	.00068	.00157	.00000	.00200	.43	.00003	.00011
%RSD	101.89	9.0532	51.003	.88742	.30132	7.9566	39.510	.27272	5.8722	10.573
#1	.00082	.00327	.00655	.07575	.52083	-.00002	-.00364	157.51	.00060	.00099
#2	.00013	.00371	.00308	.07671	.51862	-.00002	-.00646	156.91	.00055	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00062	.91950	1.4470	.03964	40.211	.32204	.00028	75.247	.00023
Stddev	.00017	.00016	.00562	.0462	.00022	.439	.00311	.00012	.399	.00008
%RSD	50.956	25.433	.61096	3.1928	.56487	1.0918	.96559	44.374	.52984	36.162
#1	.00021	.00073	.92347	1.4144	.03980	39.901	.31984	.00019	74.965	.00029
#2	.00045	.00051	.91553	1.4797	.03948	40.522	.32424	.00037	75.529	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15516	.00313	9.2550	-.00380	.00218	14.480	30.986	-.00001	1.0181	-.00096
Stddev	.00349	.00178	.0208	.00030	.00108	.016	.034	.00004	.0049	.00108
%RSD	2.2508	56.798	.22456	7.9225	49.558	.11072	.11072	357.75	.48167	112.71
#1	.15269	.00187	9.2697	-.00359	.00142	14.491	31.011	.00002	1.0215	-.00020
#2	.15763	.00438	9.2403	-.00402	.00295	14.468	30.962	-.00004	1.0146	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	-.00062	.01567	.00123	.00161	.00092
Stddev	.00041	.00081	.00105	.00016	.00005	.00018
%RSD	151.55	130.58	6.7217	13.229	3.3737	19.597
#1	.00055	-.00120	.01492	.00135	.00157	.00079
#2	-.00002	-.00005	.01641	.00112	.00165	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3888.7	61082.	6154.0
Stddev	14.0	395.	6.5
%RSD	.35900	.64652	.10483
#1	3898.6	61362.	6149.4
#2	3878.8	60803.	6158.5

Sample Name: 280-27308-c-5-a Acquired: 4/10/2012 13:50:04 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00883**	**.00041**	**.09875**	**.64713**	**.00005**	**-.00487**	**201.36**	**.00041**	**.00007**
Stddev	.00042	.00001	.00480	.00017	.00028	.00001	.00116	.80	.00010	.00004
%RSD	55.546	.07136	1158.7	.17672	.04271	20.932	23.821	.39673	24.682	48.880
#1	.00106	.00884	-.00298	.09887	.64733	.00006	-.00405	200.79	.00048	.00005
#2	.00046	.00883	.00381	.09862	.64694	.00004	-.00569	201.92	.00034	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00187**	**.09364**	**1.9650**	**.05538**	**50.943**	**.24236**	**.00083**	**137.41**	**-.00018**
Stddev	.00002	.00030	.00123	.0113	.00142	.254	.00129	.00016	.16	.00013
%RSD	5.5302	15.932	1.3142	.57301	2.5709	.49786	.53394	18.741	.11568	73.623
#1	.00032	.00166	.09277	1.9570	.05437	51.123	.24327	.00072	137.52	-.00028
#2	.00035	.00208	.09451	1.9730	.05639	50.764	.24144	.00094	137.30	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09145**	**.00282**	**3.6378**	**-.00241**	**.00257**	**13.948**	**29.849**	**.00008**	**1.2510**	**-.00010**
Stddev	.00129	.00105	.0202	.00074	.00135	.008	.016	.00020	.0002	.00235
%RSD	1.4142	37.455	.55402	30.780	52.573	.05397	.05397	246.80	.01911	2434.3
#1	.09237	.00356	3.6236	-.00189	.00353	13.953	29.860	-.00006	1.2509	.00157
#2	.09054	.00207	3.6521	-.00294	.00162	13.943	29.837	.00022	1.2512	-.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00121**	**-.02030**	**.00107**	**.01063**	**.00192**
Stddev	.00011	.00016	.00482	.00053	.00015	.00167
%RSD	21.282	12.948	23.753	49.731	1.3804	87.277
#1	.00062	-.00132	-.01689	.00069	.01073	.00310
#2	.00046	-.00110	-.02371	.00145	.01052	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3800.0**	**59499.**	**6141.4**
Stddev	13.6	140.	20.2
%RSD	.35821	.23559	.32847
#1	3809.7	59400.	6155.6
#2	3790.4	59598.	6127.1

Sample Name: 280-27308-c-6-a Acquired: 4/10/2012 13:52:27 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00590**	**-.00086**	**.06836**	**.71907**	**.00010**	**-.00681**	W **568.95**	**.00067**	**.00405**
Stddev	.00009	.00039	.00265	.00069	.00472	.00009	.00015	6.75	.00004	.00029
%RSD	21.635	6.6684	308.70	1.0045	.65709	92.310	2.1670	1.1868	5.8926	7.2652
#1	.00035	.00562	-.00273	.06787	.72241	.00003	-.00691	564.18	.00064	.00426
#2	.00048	.00618	.00102	.06884	.71573	.00016	-.00670	573.73	.00070	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00380**	**.30640**	**1.7167**	**.04242**	**81.376**	**.67175**	**.00003**	**395.58**	**.00115**
Stddev	.00036	.00024	.00178	.0612	.00059	.231	.00046	.00012	2.31	.00005
%RSD	34.519	6.4049	.58208	3.5625	1.3946	.28442	.06869	356.36	.58285	4.2195
#1	.00080	.00397	.30766	1.6734	.04284	81.539	.67208	-.00005	397.21	.00118
#2	.00131	.00363	.30514	1.7599	.04200	81.212	.67143	.00012	393.95	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29425**	**.00382**	**14.689**	**-.00596**	**.00563**	**13.376**	**28.625**	**-.00062**	**2.1943**	**-.00110**
Stddev	.00449	.00011	.009	.00074	.00967	.029	.062	.00072	.0136	.00094
%RSD	1.5256	2.8424	.06070	12.401	171.54	.21735	.21735	115.63	.61923	85.618
#1	.29108	.00390	14.696	-.00648	.01247	13.397	28.669	-.00113	2.2039	-.00044
#2	.29743	.00374	14.683	-.00544	-.00120	13.356	28.581	-.00011	2.1847	-.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00152**	**-.00379**	**.00130**	**.00758**	**.00113**
Stddev	.00008	.00119	.01022	.00030	.00028	.00084
%RSD	15.634	78.158	269.69	22.764	3.6777	74.721
#1	.00055	-.00068	-.01101	.00109	.00778	.00053
#2	.00044	-.00236	.00344	.00151	.00738	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3582.4**	**56032.**	**5945.5**
Stddev	3.3	40.	31.6
%RSD	.09293	.07150	.53131
#1	3580.0	56003.	5923.1
#2	3584.8	56060.	5967.8

Sample Name: 280-27308-c-7-a Acquired: 4/10/2012 13:55:00 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.01389**	**.00003**	**.06633**	**.30395**	**.00007**	**-.00230**	**146.89**	**.00037**	**.00031**
Stddev	.00008	.00004	.00385	.00038	.00069	.00003	.00155	.32	.00013	.00012
%RSD	16.622	.31106	11228.	.58025	.22811	48.279	67.378	.21618	34.693	38.467
#1	.00041	.01386	.00276	.06660	.30444	.00005	-.00121	147.11	.00028	.00040
#2	.00052	.01392	-.00269	.06606	.30346	.00009	-.00340	146.66	.00045	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00081**	**.70411**	**3.1765**	**.02382**	**23.411**	**.19542**	**.00061**	**181.87**	**.00036**
Stddev	.00012	.00039	.00592	.0156	.00057	.133	.00134	.00052	.10	.00024
%RSD	76.640	48.383	.84069	.48988	2.3774	.56905	.68822	86.090	.05671	66.019
#1	.00007	.00053	.70830	3.1875	.02422	23.317	.19447	.00024	181.80	.00019
#2	.00024	.00109	.69993	3.1655	.02341	23.505	.19638	.00098	181.94	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29504**	**.00174**	**21.756**	**-.00342**	**.00406**	**14.581**	**31.204**	**.00025**	**.61979**	**-.00007**
Stddev	.00078	.00128	.107	.00213	.00198	.015	.031	.00004	.00005	.00077
%RSD	.26330	73.609	.49305	62.288	48.802	.10042	.10042	17.709	.00763	1090.1
#1	.29449	.00264	21.832	-.00191	.00545	14.571	31.181	.00028	.61983	.00047
#2	.29559	.00083	21.680	-.00492	.00266	14.591	31.226	.00021	.61976	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00030**	**.00273**	**.00040**	**.00207**	**-.00035**
Stddev	.00061	.00174	.01806	.00007	.00042	.00086
%RSD	129.77	585.76	661.74	17.294	20.194	243.06
#1	.00004	-.00153	.01550	.00045	.00178	.00025
#2	.00090	.00093	-.01004	.00035	.00237	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3829.4**	**60251.**	**6098.5**
Stddev	.6	243.	9.8
%RSD	.01448	.40311	.16047
#1	3829.0	60423.	6105.4
#2	3829.7	60079.	6091.6

Sample Name: 280-27308-c-8-a Acquired: 4/10/2012 13:57:23 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00069	.01424	.00124	.15107	.65219	.00004	-.00661	213.55	.00058	-.00027
Stddev	.00003	.00052	.00265	.00210	.00372	.00002	.00277	2.77	.00006	.00002
%RSD	4.5849	3.6728	214.12	1.3926	.57104	65.344	41.921	1.2955	10.803	7.4476
#1	.00067	.01461	.00311	.14958	.64956	.00002	-.00465	211.59	.00054	-.00029
#2	.00071	.01387	-.00064	.15255	.65483	.00005	-.00858	215.50	.00063	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00060	.00209	.20998	2.6936	.07124	80.316	.07702	.00052	188.20	-.00037
Stddev	.00001	.00004	.00078	.0124	.00123	.375	.00033	.00036	1.06	.00017
%RSD	1.9830	1.8171	.37012	.45978	1.7224	.46649	.43134	68.742	.56099	46.417
#1	.00060	.00212	.20943	2.6848	.07211	80.051	.07679	.00077	187.46	-.00049
#2	.00061	.00206	.21053	2.7024	.07037	80.580	.07726	.00027	188.95	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12828	.00118	9.2692	-.00362	-.00071	13.891	29.727	-.00048	1.9201	-.00263
Stddev	.00329	.00031	.0941	.00197	.00216	.111	.236	.00008	.0122	.00005
%RSD	2.5665	26.047	1.0158	54.287	304.53	.79546	.79546	17.087	.63718	1.8932
#1	.13061	.00140	9.2026	-.00501	-.00224	13.813	29.559	-.00053	1.9114	-.00266
#2	.12595	.00096	9.3357	-.00223	.00082	13.969	29.894	-.00042	1.9287	-.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	-.00195	.01876	.00101	.00398	.00150
Stddev	.00018	.00097	.00810	.00026	.00037	.00011
%RSD	67.720	49.817	43.191	25.171	9.3855	7.4228
#1	.00014	-.00264	.02449	.00119	.00371	.00158
#2	.00040	-.00127	.01303	.00083	.00424	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3749.8	58642.	6045.5
Stddev	23.8	379.	25.1
%RSD	.63602	.64573	.41579
#1	3766.7	58910.	6063.2
#2	3732.9	58374.	6027.7

Sample Name: 280-27308-c-9-a Acquired: 4/10/2012 13:59:48 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00471**	**-.00070**	**.07003**	**.72149**	**.00012**	**-.00649**	W **561.73**	**.00059**	**.00387**
Stddev	.00001	.00019	.00020	.00072	.01106	.00000	.00168	12.13	.00022	.00004
%RSD	1.6215	3.9527	29.102	1.0241	1.5334	3.6569	25.905	2.1594	36.703	1.0027
#1	.00073	.00458	-.00084	.07054	.71367	.00012	-.00530	553.15	.00074	.00390
#2	.00075	.00484	-.00055	.06952	.72931	.00013	-.00768	570.31	.00043	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00445**	**.30071**	**1.8708**	**.04320**	**79.858**	**.63682**	**.00009**	**394.34**	**.00144**
Stddev	.00011	.00047	.00911	.0492	.00056	1.648	.01490	.00009	5.10	.00012
%RSD	11.753	10.520	3.0295	2.6287	1.3068	2.0630	2.3402	105.97	1.2923	8.2400
#1	.00097	.00412	.29426	1.8360	.04280	78.693	.62628	.00015	390.73	.00135
#2	.00082	.00478	.30715	1.9056	.04360	81.023	.64736	.00002	397.94	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29664**	**.00483**	**14.760**	**-.00724**	**.00448**	**13.386**	**28.646**	**-.00057**	**2.2025**	**-.00061**
Stddev	.00156	.00023	.032	.00134	.00019	.220	.471	.00072	.0304	.00128
%RSD	.52616	4.7692	.21395	18.464	4.3124	1.6445	1.6445	127.68	1.3816	208.21
#1	.29553	.00499	14.782	-.00819	.00462	13.230	28.313	-.00108	2.1810	.00029
#2	.29774	.00467	14.738	-.00630	.00435	13.542	28.979	-.00005	2.2240	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00018**	**-.00768**	**.00099**	**.00799**	**.00081**
Stddev	.00016	.00191	.01649	.00009	.00079	.00038
%RSD	74.180	1047.0	214.82	9.3407	9.8309	47.165
#1	.00010	-.00153	-.01934	.00106	.00743	.00108
#2	.00032	.00117	.00398	.00093	.00854	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3554.6**	**57073.**	**6006.1**
Stddev	8.5	1107.	72.2
%RSD	.23983	1.9401	1.2028
#1	3548.5	57856.	6057.2
#2	3560.6	56290.	5955.0

Sample Name: 280-27308-c-10-a Acquired: 4/10/2012 14:02:22 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00940**	**.00417**	**.00011**	**.00018**	**.00002**	**-.00209**	**.02327**	**.00018**	**.00000**
Stddev	.00028	.00009	.00160	.00020	.00007	.00009	.00344	.00306	.00006	.00011
%RSD	61.176	.94138	38.367	186.15	35.688	423.40	164.43	13.163	30.793	2577.2
#1	.00065	.00933	.00531	-.00003	.00023	-.00004	-.00453	.02543	.00022	.00009
#2	.00026	.00946	.00304	.00025	.00014	.00009	.00034	.02110	.00014	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00090**	**.01397**	**.17642**	**.00103**	**.00652**	**.00008**	**.00000**	**.25095**	**-.00047**
Stddev	.00009	.00009	.00066	.02513	.00130	.00118	.00002	.00047	.03464	.00018
%RSD	121.77	10.197	4.7413	14.242	126.14	18.049	28.022	111000.	13.802	39.319
#1	-.00001	-.00083	.01444	.19419	.00011	.00569	.00009	-.00033	.27545	-.00060
#2	-.00013	-.00096	.01350	.15865	.00196	.00735	.00006	.00033	.22646	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00959**	**.00030**	**.01397**	**-.00385**	**-.00285**	**.01659**	**.03549**	**.00063**	**.00008**	**-.00028**
Stddev	.00304	.00124	.00363	.00288	.00076	.00500	.01069	.00067	.00002	.00038
%RSD	31.671	410.71	25.980	74.827	26.663	30.120	30.120	105.49	28.787	134.23
#1	.01173	.00118	.01140	-.00181	-.00232	.01305	.02793	.00111	.00009	-.00055
#2	.00744	-.00057	.01653	-.00588	-.00339	.02012	.04305	.00016	.00006	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00121**	**.02929**	**.00012**	**.00193**	**-.00016**
Stddev	.00004	.00062	.00973	.00032	.00011	.00178
%RSD	17.999	51.383	33.233	257.72	5.4619	1114.5
#1	.00019	-.00077	.02241	.00035	.00185	-.00142
#2	.00024	-.00165	.03618	-.00010	.00200	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4125.5**	**65684.**	**6274.8**
Stddev	33.5	132.	114.1
%RSD	.81227	.20168	1.8184
#1	4101.8	65590.	6194.1
#2	4149.2	65777.	6355.4

Sample Name: 280-27314-c-1-b Acquired: 4/10/2012 14:04:47 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.83888**	**-.00079**	**.01867**	**.00413**	**.00008**	**-.00119**	**.07707**	**.00023**	**-.00013**
Stddev	.00017	.00262	.00079	.00009	.00016	.00001	.00231	.00031	.00009	.00029
%RSD	28.339	.31266	100.04	.48146	3.8348	16.110	193.48	.40326	38.157	221.98
#1	.00048	.83702	-.00023	.01860	.00402	.00008	.00044	.07729	.00017	-.00033
#2	.00073	.84073	-.00135	.01873	.00424	.00007	-.00283	.07685	.00029	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**-.00016**	**.39438**	**1.0135**	**.00082**	**1.3708**	**.00030**	**-.00001**	**7.9897**	**.00020**
Stddev	.00013	.00000	.00105	.0034	.00268	.0067	.00000	.00007	.0415	.00005
%RSD	20.060	.03684	.26503	.33359	326.06	.48638	.38829	988.24	.51883	26.942
#1	.00055	-.00016	.39364	1.0158	.00272	1.3661	.00030	.00004	7.9604	.00024
#2	.00073	-.00016	.39512	1.0111	-.00107	1.3756	.00030	-.00006	8.0190	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03381**	**.00168**	**1.8202**	**-.00008**	**.00053**	**2.2954**	**4.9122**	**.00007**	**.00280**	**.00021**
Stddev	.00040	.00141	.0017	.00222	.00483	.0019	.0040	.00022	.00004	.00016
%RSD	1.1703	83.698	.09446	2849.9	919.28	.08238	.08238	320.00	1.5575	74.860
#1	.03353	.00267	1.8190	-.00165	-.00289	2.2967	4.9150	.00023	.00277	.00010
#2	.03409	.00069	1.8214	.00149	.00394	2.2941	4.9093	-.00009	.00284	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00106**	**.00826**	**.00077**	**.00153**	**.00053**
Stddev	.00010	.00043	.01449	.00012	.00016	.00126
%RSD	16.683	40.244	175.46	15.154	10.497	239.13
#1	.00065	-.00136	-.00199	.00069	.00142	-.00036
#2	.00051	-.00076	.01851	.00085	.00164	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.3**	**65280.**	**6358.4**
Stddev	1.0	648.	40.8
%RSD	.02328	.99220	.64221
#1	4131.0	65738.	6329.5
#2	4129.6	64822.	6387.3

Sample Name: 280-27314-c-2-b Acquired: 4/10/2012 14:07:11 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00098	.64644	.00004	.08563	.01262	.00008	-.00172	9.0246	.00022	-.00010
Stddev	.00029	.00307	.00507	.00043	.00013	.00004	.00004	.2161	.00006	.00010
%RSD	29.793	.47517	11560.	.50204	1.0576	50.789	2.0956	2.3941	27.063	102.70
#1	.00078	.64426	.00363	.08532	.01272	.00011	-.00175	9.1774	.00018	-.00016
#2	.00119	.64861	-.00354	.08593	.01253	.00005	-.00170	8.8718	.00027	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00104	-.00001	.76778	8.0296	.00255	2.9503	.00151	-.00018	52.326	.00079
Stddev	.00001	.00028	.02314	.2114	.00122	.0147	.00005	.00018	1.456	.00012
%RSD	.68430	2392.8	3.0140	2.6321	47.936	.49665	3.5984	97.037	2.7828	15.074
#1	.00105	-.00021	.78414	8.1790	.00341	2.9606	.00155	-.00006	53.355	.00087
#2	.00104	.00019	.75142	7.8802	.00168	2.9399	.00147	-.00031	51.296	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05881	-.00004	13.851	-.00237	-.00341	3.0504	6.5278	.00064	.01866	-.00110
Stddev	.00428	.00167	.057	.00124	.00085	.0729	.1560	.00122	.00052	.00001
%RSD	7.2730	4340.5	.41276	52.122	24.982	2.3905	2.3905	191.40	2.7665	1.1858
#1	.05578	-.00122	13.811	-.00150	-.00401	3.1019	6.6381	-.00023	.01903	-.00111
#2	.06183	.00114	13.892	-.00324	-.00280	2.9988	6.4175	.00150	.01830	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	-.00191	.02252	.01364	.00238	.00058
Stddev	.00011	.00115	.01195	.00035	.00106	.00101
%RSD	18.545	60.006	53.054	2.5362	44.304	174.35
#1	.00069	-.00272	.03096	.01389	.00164	.00129
#2	.00053	-.00110	.01407	.01340	.00313	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4020.3	63022.	6089.0
Stddev	19.6	314.	62.5
%RSD	.48656	.49874	1.0261
#1	4034.1	62800.	6044.8
#2	4006.4	63244.	6133.2

Sample Name: CCVH-1351956 Acquired: 4/10/2012 14:09:32 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00210**	**52.777**	**-.00205**	**.00131**	**.00041**	**-.00002**	**1.0272**	**-.00433**	**-.00013**	**.00032**	**.00039**	**.00342**	**53.461**
Stddev	.00023	.439	.00114	.00039	.00018	.00002	.0063	.00194	.00029	.00006	.00003	.00053	.682
%RSD	11.196	.83207	55.414	29.913	44.483	109.57	.61851	44.682	225.82	17.550	7.7503	15.583	1.2765
#1	.00193	53.087	-.00125	.00104	.00053	-.00003	1.0317	-.00570	-.00034	.00036	.00037	.00380	53.944
#2	.00226	52.466	-.00285	.00159	.00028	.00000	1.0227	-.00296	.00008	.00028	.00041	.00304	52.979
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13030**	**-.00004**	**.01916**	**.00007**	**-.00088**	**270.35**	**.00164**	**.00317**	**-.00185**	**5.0520**	**-.00229**	**.00101**	**.01267**
Stddev	.01412	.00022	.00053	.00000	.00031	2.20	.00007	.00190	.00056	.0627	.00444	.00018	.02424
%RSD	10.838	550.79	2.7527	2.1269	34.774	.81395	3.9928	59.920	30.276	1.2417	193.73	17.681	191.26
#1	.14029	-.00020	.01953	.00007	-.00110	271.90	.00159	.00452	-.00146	5.0963	-.00543	.00089	-.00447
#2	.12032	.00012	.01878	.00007	-.00066	268.79	.00169	.00183	-.00225	5.0076	.00085	.00114	.02981
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02712**	**.00255**	**.00039**	**5.0230**	**.00198**	**-.00099**	**9.9752**	**.00232**	**.00119**	**.01425**
Stddev	.05186	.00058	.00001	.0061	.00007	.00166	.0069	.00035	.00060	.00299
%RSD	191.26	22.616	3.7605	.12191	3.5287	167.70	.06958	15.224	50.640	21.009
#1	-.00956	.00214	.00038	5.0273	.00203	.00018	9.9801	.00207	.00161	.01637
#2	.06379	.00296	.00040	5.0187	.00193	-.00216	9.9703	.00257	.00076	.01213
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3950.0**	**61309.**	**6075.1**
Stddev	18.3	27.	19.9
%RSD	.46285	.04420	.32725
#1	3937.0	61290.	6061.1
#2	3962.9	61329.	6089.2

Sample Name: CCV-1351954 Acquired: 4/10/2012 14:11:52 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51406**	**.50361**	**.96600**	**.50664**	**.52750**	**.49885**	**.00012**	**5.0495**	**.51159**	**.50577**	**.50589**	**.51359**	**2.6172**
Stddev	.00370	.00255	.00185	.00204	.00390	.00414	.00067	.0483	.00097	.00119	.00056	.00690	.0184
%RSD	.72055	.50581	.19131	.40188	.73950	.83027	580.30	.95627	.18917	.23469	.11103	1.3432	.70401
#1	.51668	.50181	.96469	.50808	.52475	.49593	.00059	5.0153	.51228	.50660	.50629	.51847	2.6042
#2	.51144	.50542	.96730	.50521	.53026	.50178	-.00036	5.0836	.51091	.50493	.50549	.50872	2.6302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.810**	**1.0465**	**19.894**	**.50747**	**.50256**	**5.1862**	**.50601**	**.99396**	**.96918**	**.00622**	**1.0028**	**1.0394**	**5.0412**
Stddev	.255	.0092	.204	.00460	.00157	.0684	.00112	.00371	.00051	.00422	.0050	.0039	.0305
%RSD	.48313	.88411	1.0241	.90736	.31172	1.3189	.22218	.37303	.05271	67.734	.49556	.37109	.60590
#1	52.629	1.0400	20.038	.51072	.50367	5.1378	.50680	.99658	.96955	.00920	1.0063	1.0421	5.0196
#2	52.990	1.0530	19.749	.50421	.50146	5.2346	.50521	.99134	.96882	.00324	.99927	1.0366	5.0628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.788**	**1.0235**	**.51842**	**-.00200**	**.49512**	**1.0500**	**.00359**	**.50230**	**.48593**	**.51701**
Stddev	.065	.0038	.00242	.00073	.00559	.0007	.01827	.00462	.00342	.00550
%RSD	.60590	.37413	.46692	36.273	1.1285	.06268	508.81	.91981	.70334	1.0641
#1	10.742	1.0262	.51671	-.00251	.49907	1.0495	.01651	.50556	.48835	.51312
#2	10.834	1.0208	.52013	-.00149	.49117	1.0504	-.00933	.49903	.48351	.52090
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.0**	**62833.**	**6096.6**
Stddev	7.1	536.	55.3
%RSD	.17753	.85252	.90700
#1	4017.9	62454.	6135.7
#2	4028.0	63211.	6057.5

Sample Name: CCB Acquired: 4/10/2012 14:14:04 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00097**	**.00003**	**.00108**	**.00027**	**.00008**	**.00005**	**-.00228**	**-.00061**	**.00015**	**-.00007**	**.00009**	**-.00091**
Stddev	.00007	.00010	.00196	.00031	.00004	.00004	.00257	.00219	.00007	.00004	.00006	.00013
%RSD	7.2583	379.26	182.26	115.09	49.364	71.228	113.13	356.40	50.831	56.896	67.884	13.784
#1	.00092	-.00004	-.00031	.00049	.00011	.00008	-.00410	-.00216	.00020	-.00004	.00013	-.00100
#2	.00102	.00009	.00246	.00005	.00005	.00003	-.00046	.00093	.00009	-.00010	.00004	-.00082
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.03751**	W **.00280**	**.00381**	**.00003**	**.00089**	W **.09513**	**-.00020**	**.00082**	**.00049**	**.00421**	**-.00020**
Stddev	.00160	.02247	.00104	.00129	.00001	.00050	.01048	.00025	.00071	.00014	.00276	.00014
%RSD	639.47	59.920	37.358	33.735	20.515	56.653	11.018	125.79	86.137	28.749	65.524	72.008
#1	.00138	.05340	.00206	.00472	.00004	.00053	.08772	-.00002	.00132	.00039	.00226	-.00010
#2	-.00088	.02161	.00354	.00290	.00003	.00125	.10254	-.00037	.00032	.00059	.00616	-.00030
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.09160					
Low Limit			-.00261				-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.00593**	**.01270**	**.00073**	**.00003**	**-.00116**	**.00007**	**-.00022**	**.00818**	**.00058**	**.00178**	**.00053**
Stddev	.00190	.01117	.02390	.00060	.00003	.00192	.00003	.00002	.01043	.00003	.00019	.00149
%RSD	153.26	188.16	188.16	83.155	106.17	166.13	48.295	9.3071	127.59	6.0547	10.871	281.50
#1	.00010	-.00196	-.00420	.00030	.00006	.00020	.00010	-.00023	.00080	.00055	.00164	-.00052
#2	-.00258	.01383	.02960	.00115	.00001	-.00251	.00005	-.00020	.01555	.00060	.00192	.00158
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.5**	**64019.**	**6064.8**
Stddev	1.3	101.	.8
%RSD	.03138	.15736	.01291
#1	4079.4	63948.	6064.2
#2	4077.5	64090.	6065.3

Sample Name: CCVL1351959 Acquired: 4/10/2012 14:16:27 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01094**	**.10342**	**.01674**	**.09377**	**.01096**	**.00102**	**.10740**	**.20664**	**.00521**	**.01023**	**.01055**	**.01481**	**.10824**
Stddev	.00020	.00028	.00192	.00048	.00011	.00001	.00074	.00063	.00006	.00003	.00013	.00010	.00253
%RSD	1.8189	.27145	11.450	.51176	1.0473	.90031	.68941	.30393	1.1129	.33541	1.2350	.68863	2.3397
#1	.01108	.10323	.01539	.09411	.01104	.00103	.10688	.20709	.00517	.01025	.01064	.01488	.11003
#2	.01079	.10362	.01810	.09343	.01087	.00102	.10792	.20620	.00525	.01021	.01045	.01473	.10644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3431**	**.01066**	**.20626**	**.01046**	**.01971**	**1.1597**	**.04162**	**2.7356**	**.00996**	**.00515**	**.00761**	F **.01030**	**.48681**
Stddev	.0470	.00087	.00232	.00003	.00036	.0088	.00032	.0160	.00019	.00397	.00116	.00118	.01439
%RSD	1.4048	8.1933	1.1238	.30664	1.8491	.75451	.76705	.58685	1.9407	77.204	15.250	11.429	2.9559
#1	3.3763	.01005	.20462	.01048	.01945	1.1659	.04185	2.7470	.00983	.00795	.00679	.01113	.49698
#2	3.3099	.01128	.20790	.01044	.01996	1.1535	.04140	2.7243	.01010	.00234	.00843	.00947	.47663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0418**	**.10164**	**.01072**	**.01609**	**.00956**	**.01414**	F **.08068**	**.01028**	**.02111**	**.01515**
Stddev	.0308	.00159	.00009	.00042	.00006	.00029	.00453	.00023	.00042	.00098
%RSD	2.9559	1.5626	.83118	2.5822	.63782	2.0280	5.6209	2.2678	2.0061	6.4420
#1	1.0635	.10276	.01079	.01639	.00952	.01394	.08388	.01045	.02081	.01584
#2	1.0200	.10051	.01066	.01580	.00960	.01435	.07747	.01012	.02141	.01446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4107.4**	**64530.**	**6148.7**
Stddev	13.5	304.	11.2
%RSD	.32892	.47159	.18240
#1	4097.9	64315.	6140.8
#2	4117.0	64746.	6156.6

Sample Name: 280-27314-c-3-b Acquired: 4/10/2012 14:18:49 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.30371**	**.00206**	**.30870**	**.12837**	**-.00001**	**-.00210**	**158.75**	**.00125**	**.00002**
Stddev	.00013	.00225	.00161	.00170	.00102	.00005	.00006	.69	.00004	.00001
%RSD	24.190	.73996	78.173	.55221	.79273	402.22	2.6411	.43625	3.3076	29.149
#1	.00045	.30212	.00092	.30750	.12909	-.00005	-.00206	159.24	.00122	.00002
#2	.00063	.30530	.00320	.30991	.12765	.00002	-.00214	158.26	.00127	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00293**	**.03567**	**1.6328**	**41.554**	**.00249**	**21.330**	**.10761**	**-.00003**	**88.860**	**.00393**
Stddev	.00007	.00012	.0083	.146	.00118	.042	.00042	.00023	.274	.00007
%RSD	2.4480	.32240	.51086	.35121	47.368	.19658	.38807	703.30	.30794	1.7279
#1	.00298	.03559	1.6387	41.657	.00333	21.301	.10732	.00013	89.053	.00398
#2	.00288	.03575	1.6269	41.451	.00166	21.360	.10791	-.00019	88.666	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30190**	**.00369**	**108.55**	**-.00484**	**.00508**	**4.1387**	**8.8569**	**.00025**	**.61135**	**-.00007**
Stddev	.00251	.00106	.64	.00260	.00348	.0227	.0486	.00044	.00183	.00047
%RSD	.83141	28.621	.59193	53.776	68.416	.54918	.54918	172.90	.29943	706.41
#1	.30012	.00444	108.09	-.00668	.00754	4.1548	8.8912	-.00006	.61264	.00026
#2	.30367	.00294	109.00	-.00300	.00262	4.1226	8.8225	.00056	.61005	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**-.00032**	**.02177**	**.01555**	**.08380**	**.00167**
Stddev	.00034	.00098	.02252	.00013	.00073	.00147
%RSD	20.179	308.82	103.44	.82401	.87660	88.278
#1	.00144	-.00101	.03769	.01546	.08328	.00271
#2	.00192	.00037	.00585	.01564	.08432	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3855.5**	**60661.**	**6154.0**
Stddev	14.0	302.	40.1
%RSD	.36342	.49796	.65200
#1	3865.4	60875.	6125.7
#2	3845.6	60448.	6182.4

Sample Name: 280-27314-c-4-b Acquired: 4/10/2012 14:21:11 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	W **2.5788**	W **3.0154**	**.00466**	**.13879**	**.08272**	**.00014**	**-.00220**	**16.128**	**.00016**
Stddev	.00033	.0172	.0012	.00241	.00078	.00003	.00008	.00079	.019	.00002
%RSD	40.833	.66654	.03977	51.581	.56055	.03634	56.746	35.797	.11866	13.217
#1	.00103	2.5910	3.0146	.00296	.13934	.08274	.00020	-.00165	16.114	.00018
#2	.00057	2.5667	3.0163	.00636	.13824	.08270	.00009	-.00276	16.141	.00015
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.5000	500.00							
Low Limit		-.05000	3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00123**	**.00048**	**1.3465**	**11.852**	**.00095**	**2.9292**	**.00753**	**-.00018**	**36.931**
Stddev	.00021	.00012	.00002	.0031	.027	.00170	.0063	.00005	.00039	.663
%RSD	149.51	9.9092	4.0363	.23249	.23049	179.15	.21566	.61535	225.32	1.7939
#1	-.00001	.00131	.00047	1.3443	11.832	.00215	2.9336	.00750	-.00045	37.400
#2	.00030	.00114	.00049	1.3487	11.871	-.00025	2.9247	.00757	.00010	36.463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.10100**	**.00230**	**17.412**	**-.00249**	**-.00277**	**2.7998**	**5.9916**	**.00053**	**.11204**
Stddev	.00007	.00148	.00087	.038	.00064	.00240	.0252	.0540	.00028	.00011
%RSD	373.55	1.4699	37.774	.21710	25.641	86.313	.90138	.90138	53.226	.10138
#1	.00003	.10205	.00169	17.438	-.00294	-.00447	2.8177	6.0298	.00033	.11212
#2	-.00007	.09995	.00292	17.385	-.00204	-.00108	2.7820	5.9534	.00073	.11196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00140**	**-.00152**	**.00160**	**.00400**	**.00253**	**.00151**
Stddev	.00100	.00007	.00128	.02698	.00002	.00023	.00132
%RSD	473.95	4.8239	83.853	1688.5	.41643	9.1288	87.536
#1	.00092	.00145	-.00062	.02068	.00401	.00236	.00245
#2	-.00050	.00136	-.00242	-.01748	.00399	.00269	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4047.9**	**63354.**	**6185.7**
Stddev	1.9	2.	31.7
%RSD	.04784	.00381	.51302
#1	4049.3	63356.	6208.2
#2	4046.5	63352.	6163.3

Sample Name: 280-27314-c-5-b Acquired: 4/10/2012 14:23:32 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**1.6709**	**.00264**	**.10787**	**.05511**	**.00033**	**-.00285**	**35.376**	**.00018**	**.00013**
Stddev	.00042	.0039	.00020	.00034	.00016	.00008	.00130	.316	.00002	.00014
%RSD	53.404	.23141	7.4075	.31304	.28973	25.373	45.747	.89443	13.527	107.13
#1	.00049	1.6681	.00250	.10811	.05522	.00039	-.00193	35.600	.00020	.00003
#2	.00108	1.6736	.00278	.10764	.05500	.00027	-.00377	35.152	.00017	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**.00041**	**1.6631**	**8.6802**	**.00048**	**4.7465**	**.00582**	**-.00005**	**17.145**	**.00020**
Stddev	.00005	.00027	.0173	.0749	.00104	.0668	.00005	.00006	.017	.00037
%RSD	1.2742	66.899	1.0429	.86264	214.98	1.4076	.88828	103.66	.09681	187.41
#1	.00372	.00060	1.6754	8.7332	.00121	4.6993	.00578	-.00009	17.134	.00046
#2	.00378	.00022	1.6509	8.6273	-.00025	4.7938	.00586	-.00001	17.157	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06960**	**.00105**	**41.284**	**-.00165**	**.00103**	**2.5630**	**5.4848**	**.00107**	**.13208**	**-.00020**
Stddev	.00105	.00018	.013	.00006	.00257	.0137	.0292	.00015	.00034	.00040
%RSD	1.5139	17.199	.03213	3.5729	248.73	.53273	.53273	13.670	.25453	204.72
#1	.06886	.00117	41.275	-.00161	.00285	2.5726	5.5055	.00096	.13231	.00009
#2	.07035	.00092	41.294	-.00169	-.00078	2.5533	5.4641	.00117	.13184	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00217**	**-.00007**	**.00780**	**.00722**	**.00302**	**.00252**
Stddev	.00002	.00009	.03107	.00012	.00060	.00024
%RSD	.90173	133.50	398.32	1.6110	19.760	9.6159
#1	.00216	.00000	.02977	.00714	.00344	.00235
#2	.00219	-.00013	-.01417	.00730	.00259	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.8**	**63941.**	**6189.7**
Stddev	6.1	666.	100.1
%RSD	.15115	1.0421	1.6174
#1	4059.5	64412.	6118.9
#2	4068.2	63470.	6260.5

Sample Name: 280-27314-c-6-b Acquired: 4/10/2012 14:25:55 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00103	.58443	.00396	.02458	.01958	.00013	-.00158	3.6705	.00006	-.00013
Stddev	.00035	.00219	.00010	.00028	.00026	.00008	.00005	.0245	.00006	.00019
%RSD	34.082	.37407	2.4234	1.1355	1.3428	62.447	2.9845	.66875	97.281	148.77
#1	.00079	.58288	.00403	.02438	.01976	.00018	-.00155	3.6878	.00002	.00001
#2	.00128	.58597	.00389	.02478	.01939	.00007	-.00161	3.6531	.00010	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00111	-.00040	1.0078	1.4525	.00270	1.9150	.00237	-.00019	19.643	.00003
Stddev	.00004	.00001	.0041	.0158	.00151	.0051	.00001	.00015	.120	.00002
%RSD	3.2101	1.6201	.40720	1.0849	55.996	.26784	.22357	76.637	.61061	79.173
#1	.00113	-.00041	1.0107	1.4413	.00377	1.9114	.00237	-.00009	19.558	.00004
#2	.00108	-.00040	1.0049	1.4636	.00163	1.9186	.00237	-.00030	19.728	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94221	.00095	1.1926	-.00220	-.00342	3.4253	7.3301	.00126	.02715	-.00176
Stddev	.01002	.00090	.0027	.00137	.00355	.0497	.1064	.00014	.00018	.00177
%RSD	1.0630	94.030	.22709	62.524	103.58	1.4514	1.4514	10.989	.65061	100.62
#1	.93513	.00159	1.1907	-.00317	-.00092	3.4604	7.4053	.00135	.02727	-.00300
#2	.94930	.00032	1.1945	-.00123	-.00593	3.3901	7.2549	.00116	.02702	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	-.00135	.02852	.00281	.00217	.00069
Stddev	.00029	.00153	.00956	.00005	.00092	.00031
%RSD	942.69	113.43	33.523	1.8270	42.148	45.287
#1	-.00017	-.00027	.03529	.00278	.00153	.00047
#2	.00024	-.00243	.02176	.00285	.00282	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4107.3	64540.	6233.3
Stddev	4.4	235.	14.0
%RSD	.10652	.36388	.22503
#1	4110.4	64706.	6223.4
#2	4104.2	64374.	6243.2

Sample Name: 280-27314-c-7-b Acquired: 4/10/2012 14:28:18 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00074	1.4663	.01656	.34870	.03647	.00004	-.00419	78.019	.00129	.00423
Stddev	.00031	.0005	.00077	.00067	.00012	.00005	.00107	.393	.00000	.00003
%RSD	41.669	.03123	4.6494	.19261	.32047	121.33	25.545	.50427	.13206	.75498
#1	.00096	1.4666	.01602	.34918	.03639	.00008	-.00494	77.741	.00129	.00421
#2	.00052	1.4660	.01711	.34823	.03656	.00001	-.00343	78.297	.00129	.00425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00123	.00443	6.2326	15.037	.00177	2.8762	.02475	-.00033	46.937	.00605
Stddev	.00008	.00005	.0129	.091	.00020	.0076	.00017	.00017	.121	.00039
%RSD	6.2210	1.1936	.20760	.60437	11.481	.26424	.69576	51.888	.25800	6.4458
#1	.00128	.00439	6.2235	14.973	.00163	2.8709	.02462	-.00046	47.023	.00633
#2	.00117	.00446	6.2418	15.102	.00192	2.8816	.02487	-.00021	46.852	.00578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13512	.00205	70.864	-.00428	.00146	6.5249	13.963	-.00015	.45547	.00028
Stddev	.00187	.00004	.139	.00181	.00061	.0501	.107	.00009	.00096	.00136
%RSD	1.3817	2.0267	.19583	42.217	42.039	.76733	.76733	57.143	.21106	492.46
#1	.13380	.00208	70.962	-.00300	.00189	6.4895	13.888	-.00009	.45479	.00124
#2	.13644	.00202	70.766	-.00556	.00102	6.5603	14.039	-.00022	.45615	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00111	.00268	.00597	.00307	.03385	.00114
Stddev	.00019	.00054	.00473	.00025	.00067	.00198
%RSD	17.546	20.126	79.265	8.0525	1.9786	173.41
#1	.00097	.00230	.00263	.00324	.03432	-.00026
#2	.00125	.00306	.00932	.00289	.03338	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3970.3	62693.	6259.8
Stddev	11.0	452.	26.5
%RSD	.27667	.72019	.42311
#1	3962.5	63012.	6278.5
#2	3978.0	62374.	6241.0

Sample Name: 280-27314-c-8-b Acquired: 4/10/2012 14:30:38 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**1.8655**	**.00193**	**.03156**	**.01068**	**.00022**	**-.00526**	**31.977**	**.00067**	**.00068**
Stddev	.00005	.0066	.00059	.00017	.00007	.00000	.00031	.017	.00026	.00012
%RSD	9.7537	.35227	30.535	.55356	.65181	1.6473	5.9780	.05321	38.851	17.914
#1	.00052	1.8702	.00235	.03169	.01063	.00022	-.00548	31.965	.00048	.00059
#2	.00060	1.8609	.00151	.03144	.01073	.00022	-.00504	31.989	.00085	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00221**	**.00216**	**1.2583**	**2.6150**	**.00414**	**3.4114**	**.01582**	**-.00025**	**23.741**	**.00051**
Stddev	.00000	.00006	.0089	.0044	.00019	.0220	.00004	.00001	.185	.00013
%RSD	.22013	2.9679	.70824	.16703	4.6393	.64402	.22907	3.9202	.77866	25.866
#1	.00220	.00211	1.2520	2.6120	.00428	3.3958	.01585	-.00026	23.610	.00042
#2	.00221	.00220	1.2646	2.6181	.00401	3.4269	.01580	-.00025	23.872	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03287**	**.00187**	**13.835**	**-.00466**	**-.00128**	**4.4719**	**9.5698**	**.00048**	**.11041**	**-.00081**
Stddev	.00252	.00092	.053	.00023	.00196	.0533	.1141	.00051	.00031	.00124
%RSD	7.6557	48.972	.38666	4.9226	152.85	1.1923	1.1923	106.17	.28248	154.07
#1	.03465	.00252	13.873	-.00450	-.00266	4.4342	9.4891	.00084	.11019	-.00169
#2	.03109	.00123	13.797	-.00483	.00010	4.5096	9.6505	.00012	.11063	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**-.00095**	**.00710**	**.00439**	**.06386**	**.00105**
Stddev	.00015	.00036	.02861	.00010	.00005	.00113
%RSD	12.480	38.207	403.07	2.3053	.07900	107.25
#1	.00131	-.00120	.02732	.00446	.06389	.00025
#2	.00110	-.00069	-.01313	.00432	.06382	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4067.5**	**63998.**	**6331.5**
Stddev	4.4	392.	7.7
%RSD	.10936	.61252	.12220
#1	4064.4	64275.	6337.0
#2	4070.7	63721.	6326.1

Sample Name: 280-27314-c-9-b Acquired: 4/10/2012 14:33:00 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.62899**	**.00389**	**.04337**	**.01975**	**.00003**	**-.00400**	**55.880**	**.00087**	**.00072**
Stddev	.00037	.00420	.00059	.00003	.00001	.00007	.00117	.123	.00004	.00017
%RSD	39.243	.66727	15.297	.07446	.06273	222.22	29.287	.22073	4.6864	23.135
#1	.00068	.63196	.00347	.04339	.01976	-.00002	-.00483	55.967	.00084	.00060
#2	.00121	.62602	.00431	.04334	.01974	.00008	-.00318	55.793	.00090	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.22647**	**.97483**	**3.5417**	**.00120**	**6.5458**	**.01957**	**-.00001**	**21.373**	**.00063**
Stddev	.00001	.00159	.00815	.0308	.00186	.0370	.00010	.00020	.270	.00002
%RSD	.79846	.70125	.83588	.87005	154.86	.56563	.50213	2248.3	1.2644	3.1043
#1	.00151	.22535	.98059	3.5199	-.00011	6.5196	.01950	.00013	21.181	.00064
#2	.00149	.22759	.96907	3.5635	.00252	6.5720	.01964	-.00015	21.564	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15911**	**.01000**	**17.252**	**-.00245**	**-.00042**	**9.4260**	**20.172**	**.00074**	**.22752**	**-.00048**
Stddev	.00213	.00004	.028	.00076	.00153	.0818	.175	.00012	.00027	.00022
%RSD	1.3406	.43674	.16273	30.959	368.78	.86801	.86801	15.566	.12006	44.866
#1	.16062	.01003	17.232	-.00299	-.00150	9.4839	20.296	.00083	.22732	-.00033
#2	.15760	.00997	17.272	-.00192	.00067	9.3682	20.048	.00066	.22771	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00018**	**.00008**	**.00187**	**.62753**	**.00216**
Stddev	.00007	.00156	.02650	.00050	.00154	.00038
%RSD	4.2967	884.83	34928.	26.471	.24469	17.604
#1	.00150	.00093	.01881	.00222	.62644	.00190
#2	.00160	-.00128	-.01866	.00152	.62861	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4032.1**	**63534.**	**6293.3**
Stddev	5.8	265.	12.9
%RSD	.14432	.41769	.20472
#1	4036.2	63721.	6284.2
#2	4028.0	63346.	6302.4

Sample Name: 280-27314-c-10-b Acquired: 4/10/2012 14:35:20 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00095	.00651	.00358	-.00008	.00064	.00002	-.00460	.03813	.00002	-.00026
Stddev	.00048	.00010	.00160	.00013	.00010	.00007	.00039	.00041	.00006	.00001
%RSD	49.803	1.5459	44.747	167.35	16.061	320.24	8.5775	1.0730	327.96	4.5112
#1	.00129	.00658	.00245	.00001	.00072	.00007	-.00432	.03842	-.00002	-.00025
#2	.00062	.00644	.00471	-.00017	.00057	-.00003	-.00488	.03784	.00006	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-.00074	.01468	.07854	.00050	.00500	.00041	-.00004	.10278	-.00001
Stddev	.00006	.00036	.00080	.00863	.00039	.00106	.00001	.00008	.00107	.00017
%RSD	45.489	48.179	5.4725	10.987	76.556	21.162	2.1031	176.99	1.0378	1263.6
#1	.00010	-.00049	.01525	.08465	.00078	.00425	.00040	.00001	.10203	-.00013
#2	.00019	-.00099	.01411	.07244	.00023	.00575	.00042	-.00010	.10354	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00090	.00076	.01661	-.00410	-.00180	.00687	.01470	.00161	.00013	-.00076
Stddev	.00186	.00080	.00354	.00140	.00085	.00317	.00679	.00014	.00000	.00064
%RSD	206.63	105.13	21.290	34.218	47.166	46.192	46.192	8.9250	1.7985	84.562
#1	.00222	.00133	.01911	-.00510	-.00240	.00463	.00990	.00171	.00013	-.00122
#2	-.00042	.00020	.01411	-.00311	-.00120	.00911	.01950	.00151	.00013	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	-.00148	.01125	.00010	.00292	-.00049
Stddev	.00016	.00017	.00420	.00014	.00018	.00064
%RSD	599.14	11.671	37.353	137.57	6.2223	129.63
#1	.00009	-.00160	.00828	.00000	.00305	-.00004
#2	-.00014	-.00136	.01422	.00020	.00279	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4129.1	65957.	6344.0
Stddev	18.4	36.	33.1
%RSD	.44665	.05412	.52223
#1	4142.2	65932.	6367.4
#2	4116.1	65983.	6320.5

Sample Name: CCVH-1351956 Acquired: 4/10/2012 14:37:45 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00188**	**53.716**	**-.00272**	**.00152**	**.00068**	**.00000**	**1.0310**	**-.00377**	**.00012**	**.00007**	**.00021**	**.00292**	**53.841**
Stddev	.00017	.028	.00156	.00062	.00008	.00004	.0033	.00306	.00011	.00024	.00016	.00039	.229
%RSD	9.0046	.05295	57.339	40.533	11.301	1089.9	.32315	81.253	93.447	344.79	77.782	13.443	.42575
#1	.00176	53.696	-.00383	.00108	.00062	-.00002	1.0286	-.00160	.00019	.00023	.00032	.00320	54.003
#2	.00200	53.737	-.00162	.00195	.00073	.00003	1.0333	-.00594	.00004	-.00010	.00009	.00265	53.678
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12286**	**.00237**	**.02035**	**-.00006**	**-.00112**	**274.72**	**.00174**	**.00330**	**-.00281**	**5.0611**	**-.00397**	**-.00530**	**.00945**
Stddev	.00657	.00191	.00046	.00004	.00004	.02	.00021	.00038	.00045	.0006	.00042	.00080	.01696
%RSD	5.3492	80.631	2.2747	65.458	3.4746	.00821	12.318	11.362	16.065	.01128	10.594	15.090	179.44
#1	.12751	.00372	.02067	-.00009	-.00109	274.70	.00159	.00304	-.00313	5.0607	-.00427	-.00474	.02144
#2	.11821	.00102	.02002	-.00003	-.00114	274.73	.00189	.00357	-.00249	5.0615	-.00368	-.00587	-.00254
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02022**	**.00286**	**.00041**	**5.0073**	**.00281**	**-.00070**	**9.9897**	**.00184**	**.00064**	**.02050**
Stddev	.03629	.00027	.00002	.1077	.00014	.00128	.1664	.00009	.00037	.00182
%RSD	179.44	9.5303	3.9309	2.1509	5.0594	183.25	1.6653	4.9272	57.368	8.8890
#1	.04588	.00305	.00040	4.9311	.00271	.00021	9.8721	.00191	.00038	.02179
#2	-.00544	.00267	.00042	5.0834	.00291	-.00160	10.107	.00178	.00090	.01921
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3971.7**	**62109.**	**6090.7**
Stddev	14.9	1046.	44.9
%RSD	.37544	1.6844	.73715
#1	3961.2	62848.	6058.9
#2	3982.3	61369.	6122.4

Sample Name: CCV-1351954 Acquired: 4/10/2012 14:40:05 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51639**	**.50255**	**.96234**	**.50607**	**.53795**	**.50591**	**-.00250**	**5.0951**	**.51210**	**.50559**	**.50736**	**.51666**	**2.6645**
Stddev	.00131	.00055	.00004	.00047	.00444	.00329	.00205	.0424	.00096	.00056	.00009	.00179	.0191
%RSD	.25450	.10874	.00407	.09337	.82546	.64967	82.010	.83225	.18782	.11146	.01708	.34720	.71518
#1	.51546	.50216	.96231	.50574	.53481	.50359	-.00105	5.0651	.51142	.50519	.50742	.51539	2.6510
#2	.51732	.50293	.96236	.50640	.54109	.50824	-.00395	5.1251	.51278	.50599	.50729	.51793	2.6779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.347**	**1.0660**	**19.715**	**.50730**	**.50411**	**5.2635**	**.50653**	**.98027**	**.95878**	**.01192**	**.99951**	**1.0371**	**5.0629**
Stddev	.378	.0043	.037	.00124	.00079	.0326	.00016	.00394	.00206	.00163	.00132	.0060	.0633
%RSD	.70767	.39870	.18847	.24469	.15614	.61871	.03173	.40222	.21499	13.674	.13161	.57801	1.2497
#1	53.080	1.0630	19.689	.50642	.50356	5.2405	.50642	.97748	.95733	.01307	1.0004	1.0413	5.0182
#2	53.614	1.0690	19.741	.50817	.50467	5.2865	.50665	.98306	.96024	.01076	.99858	1.0328	5.1077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.835**	**1.0249**	**.52742**	**-.00276**	**.49432**	**1.0513**	**.01396**	**.50341**	**.47522**	**.52836**
Stddev	.135	.0039	.00363	.00191	.00368	.0007	.03454	.00220	.00220	.00063
%RSD	1.2497	.38017	.68801	69.180	.74443	.06723	247.41	.43616	.46392	.11967
#1	10.739	1.0276	.52486	-.00141	.49172	1.0508	-.01046	.50186	.47366	.52791
#2	10.930	1.0221	.52999	-.00411	.49692	1.0518	.03839	.50497	.47677	.52881
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4042.8**	**63273.**	**6189.6**
Stddev	10.9	457.	54.3
%RSD	.27030	.72192	.87756
#1	4050.5	63596.	6228.0
#2	4035.0	62950.	6151.2

Sample Name: CCB Acquired: 4/10/2012 14:42:17 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00101**	**.00051**	**.00188**	**-.00002**	**.00028**	**.00010**	**-.00308**	**-.00141**	**.00018**	**.00003**	**.00013**	**-.00119**
Stddev	.00048	.00007	.00045	.00029	.00003	.00000	.00250	.00101	.00021	.00036	.00015	.00012
%RSD	47.957	14.440	24.106	1198.0	11.662	3.9543	80.972	71.070	118.62	1053.1	120.71	10.356
#1	.00135	.00056	.00221	.00018	.00025	.00009	-.00132	-.00213	.00003	.00029	.00023	-.00128
#2	.00067	.00045	.00156	-.00023	.00030	.00010	-.00485	-.00070	.00032	-.00022	.00002	-.00110
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00318**	**.06319**	**.00086**	**.00568**	**.00015**	**.00087**	**.06998**	**.00015**	**.00071**	**.00009**	**.00426**	**.00091**
Stddev	.00119	.01463	.00122	.00067	.00006	.00073	.00580	.00007	.00489	.00007	.00013	.00031
%RSD	37.540	23.153	142.89	11.816	39.602	83.709	8.2835	43.549	684.68	82.387	3.0715	33.992
#1	.00402	.05285	.00172	.00521	.00019	.00035	.06588	.00011	.00417	.00004	.00417	.00069
#2	.00233	.07354	-.00001	.00616	.00011	.00138	.07408	.00020	-.00274	.00014	.00435	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**.00238**	**.00508**	**.00138**	**.00021**	**.00010**	**.00003**	**-.00212**	**.00810**	**.00018**	**.00144**	**-.00003**
Stddev	.00124	.01095	.02344	.00038	.00001	.00049	.00023	.00038	.01811	.00007	.00031	.00131
%RSD	51.400	461.25	461.25	27.402	3.2894	500.80	812.19	18.150	223.72	36.080	21.728	4489.8
#1	-.00328	-.00537	-.01149	.00111	.00020	.00045	.00019	-.00185	.02090	.00023	.00122	.00089
#2	-.00153	.01012	.02166	.00164	.00021	-.00025	-.00014	-.00239	-.00471	.00014	.00166	-.00095
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4084.8**	**64580.**	**6100.7**
Stddev	4.2	126.	21.5
%RSD	.10376	.19484	.35258
#1	4087.8	64491.	6115.9
#2	4081.8	64669.	6085.5

Sample Name: CCVL1351959 Acquired: 4/10/2012 14:44:41 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01096**	**.10312**	**.01465**	**.09364**	**.01136**	**.00101**	**.10769**	**.20881**	**.00524**	**.01064**	**.01041**	**.01485**	**.11119**	**3.3870**
Stddev	.00008	.00118	.00207	.00074	.00010	.00002	.00025	.00081	.00015	.00006	.00017	.00006	.00174	.0248
%RSD	.77405	1.1403	14.145	.79467	.86887	2.4379	.23635	.38684	2.9217	.56605	1.6794	.40332	1.5642	.73243
#1	.01090	.10395	.01318	.09417	.01143	.00103	.10787	.20938	.00513	.01059	.01053	.01489	.11242	3.4045
#2	.01102	.10229	.01612	.09312	.01129	.00099	.10751	.20824	.00535	.01068	.01029	.01481	.10996	3.3694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01255**	**.20719**	**.01047**	**.01969**	**1.1482**	**.04157**	**2.7314**	**.00979**	**.00221**	**.00709**	**.01421**	**.49465**	**1.0585**	**.10223**
Stddev	.00066	.00005	.00008	.00008	.0098	.00010	.0083	.00005	.00381	.00102	.00523	.00051	.0011	.00127
%RSD	5.2650	.02521	.73065	.41265	.84875	.24287	.30191	.55725	172.26	14.399	36.832	.10230	.10230	1.2448
#1	.01208	.20715	.01053	.01975	1.1551	.04164	2.7372	.00983	-.00048	.00637	.01791	.49500	1.0593	.10313
#2	.01301	.20723	.01042	.01964	1.1413	.04150	2.7256	.00975	.00491	.00781	.01051	.49429	1.0578	.10133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01093**	**.01583**	**.00966**	**.01401**	**.06543**	**.00984**	**.02057**	**.01527**
Stddev	.00004	.00070	.00009	.00177	.00685	.00025	.00116	.00117
%RSD	.40338	4.4253	.96702	12.652	10.463	2.5418	5.6619	7.6620
#1	.01096	.01533	.00960	.01526	.07027	.01001	.02139	.01444
#2	.01090	.01632	.00973	.01275	.06059	.00966	.01974	.01610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4121.3**	**64860.**	**6070.8**
Stddev	24.9	103.	1.5
%RSD	.60322	.15860	.02392
#1	4103.8	64787.	6069.8
#2	4138.9	64933.	6071.8

Sample Name: 280-27357-a-5-c Acquired: 4/10/2012 14:47:05 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**20.170**	**.01663**	**.00689**	**.26850**	**.00268**	**-.00220**	**8.8081**	**.00060**	**.01366**
Stddev	.00014	.188	.00012	.00003	.00335	.00009	.00151	.0808	.00008	.00023
%RSD	332.37	.93001	.69735	.39949	1.2470	3.1862	68.802	.91764	14.111	1.6972
#1	.00006	20.038	.01671	.00691	.26613	.00262	-.00113	8.7509	.00054	.01350
#2	-.00014	20.303	.01655	.00687	.27087	.00274	-.00326	8.8652	.00066	.01382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03386**	**.08137**	**48.318**	**4.8850**	**.02656**	**4.8065**	**1.3549**	**.00426**	**1.2318**	**.01966**
Stddev	.00012	.00047	.507	.0154	.00277	.0210	.0024	.00008	.0144	.00030
%RSD	.36867	.57208	1.0487	.31434	10.425	.43746	.17781	1.8957	1.1665	1.5364
#1	.03394	.08104	47.960	4.8741	.02851	4.7916	1.3532	.00421	1.2216	.01987
#2	.03377	.08170	48.676	4.8958	.02460	4.8213	1.3566	.00432	1.2419	.01944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6093**	**.03756**	**.14055**	**-.00376**	**-.00376**	**2.4568**	**5.2575**	**.00764**	**.09737**	**.05551**
Stddev	.0066	.00070	.00678	.00069	.00042	.0522	.1118	.00089	.00116	.00075
%RSD	.41071	1.8689	4.8264	18.382	11.169	2.1268	2.1268	11.671	1.1881	1.3550
#1	1.6140	.03706	.13575	-.00327	-.00406	2.4198	5.1784	.00827	.09655	.05498
#2	1.6046	.03806	.14535	-.00425	-.00346	2.4937	5.3365	.00701	.09818	.05605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2945**	**-.00172**	F **-.15220**	**.07808**	**.29640**	**.03819**
Stddev	.0041	.00207	.00434	.00038	.00370	.00058
%RSD	.31828	120.66	2.8504	.49013	1.2488	1.5204
#1	1.2916	-.00319	-.14913	.07781	.29378	.03778
#2	1.2974	-.00025	-.15527	.07835	.29902	.03860
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4388.4**	**68982.**	**6736.9**
Stddev	8.7	282.	10.1
%RSD	.19770	.40900	.15037
#1	4382.2	69182.	6744.0
#2	4394.5	68783.	6729.7

Sample Name: 280-27357-a-6-a Acquired: 4/10/2012 14:49:24 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00135**	**81.969**	**.03921**	**.02577**	**1.4676**	**.00562**	**-.00688**	**20.780**	**.00332**	**.03690**
Stddev	.00029	.406	.00129	.00037	.0060	.00005	.00080	.037	.00013	.00012
%RSD	21.447	.49558	3.2896	1.4441	.41027	.92575	11.569	.17802	3.7868	.33157
#1	.00114	82.256	.04012	.02603	1.4719	.00566	-.00632	20.806	.00324	.03682
#2	.00155	81.682	.03830	.02551	1.4633	.00558	-.00745	20.754	.00341	.03699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11087**	**.21432**	**118.35**	**21.628**	**.07422**	**17.337**	**2.3582**	**.00904**	**2.1971**	**.05776**
Stddev	.00075	.00013	.37	.062	.00117	.019	.0041	.00062	.0138	.00026
%RSD	.67778	.05941	.31181	.28462	1.5805	.11049	.17460	6.8429	.62922	.45788
#1	.11034	.21441	118.61	21.671	.07504	17.323	2.3553	.00860	2.2069	.05795
#2	.11140	.21423	118.09	21.584	.07339	17.350	2.3611	.00948	2.1874	.05757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6435**	**.54815**	**3.2094**	**-.00338**	**-.00370**	**3.4524**	**7.3881**	**.03239**	**.39279**	**.12209**
Stddev	.0016	.00000	.0008	.00044	.00206	.0128	.0275	.00087	.00209	.00032
%RSD	.04454	.00070	.02540	12.876	55.800	.37186	.37186	2.6909	.53198	.25946
#1	3.6424	.54815	3.2088	-.00307	-.00516	3.4614	7.4075	.03177	.39426	.12187
#2	3.6447	.54816	3.2100	-.00369	-.00224	3.4433	7.3686	.03301	.39131	.12232
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1179**	**-.00252**	F **-.23897**	**.20709**	**1.3700**	**.09812**
Stddev	.0014	.00033	.00151	.00008	.0021	.00124
%RSD	.04498	12.986	.63188	.03665	.15012	1.2686
#1	3.1169	-.00229	-.24004	.20715	1.3714	.09900
#2	3.1189	-.00275	-.23791	.20704	1.3685	.09724
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4500.6**	**70020.**	**7179.7**
Stddev	1.7	275.	14.6
%RSD	.03697	.39276	.20281
#1	4499.5	69825.	7169.4
#2	4501.8	70214.	7190.0

Sample Name: 280-27357-a-8-c Acquired: 4/10/2012 14:51:39 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**31.329**	**.02197**	**.00825**	**.51629**	**.00304**	**-.00616**	**22.602**	**.00041**	**.02397**
Stddev	.00012	.087	.00399	.00040	.00076	.00001	.00153	.005	.00000	.00016
%RSD	391.14	.27843	18.140	4.8521	.14805	.29013	24.797	.02386	.14228	.68746
#1	.00012	31.391	.02479	.00853	.51683	.00304	-.00724	22.605	.00041	.02409
#2	-.00005	31.268	.01915	.00796	.51575	.00305	-.00508	22.598	.00041	.02385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41821**	**.16828**	**71.140**	**9.8523**	**.03285**	**7.1888**	**1.3490**	**.04187**	**1.9393**	**.03197**
Stddev	.00204	.00014	.270	.0081	.00111	.0141	.0009	.00034	.0018	.00025
%RSD	.48820	.08440	.37905	.08248	3.3749	.19573	.06995	.80237	.09178	.78789
#1	.41965	.16838	71.330	9.8466	.03363	7.1788	1.3496	.04211	1.9381	.03215
#2	.41676	.16818	70.949	9.8581	.03206	7.1987	1.3483	.04164	1.9406	.03179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6993**	**.05726**	**.52150**	**-.00658**	**-.00199**	**3.4399**	**7.3615**	**.00968**	**.21354**	**.08517**
Stddev	.0003	.00020	.00114	.00174	.00365	.0016	.0034	.00070	.00087	.00139
%RSD	.02021	.35227	.21785	26.446	183.82	.04572	.04572	7.2590	.40557	1.6264
#1	1.6996	.05740	.52230	-.00535	-.00457	3.4388	7.3591	.00918	.21415	.08419
#2	1.6991	.05711	.52069	-.00782	.00060	3.4410	7.3638	.01017	.21292	.08615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9818**	**-.00250**	F **-.21867**	**.11115**	**.24637**	**.06050**
Stddev	.0065	.00028	.00262	.00007	.00081	.00050
%RSD	.32751	11.155	1.1963	.06283	.32839	.83102
#1	1.9864	-.00230	-.22052	.11120	.24694	.06085
#2	1.9772	-.00270	-.21682	.11110	.24580	.06014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4485.1**	**70099.**	**6876.3**
Stddev	10.2	258.	58.1
%RSD	.22647	.36856	.84552
#1	4477.9	69916.	6835.2
#2	4492.3	70282.	6917.4

Sample Name: 280-27357-a-9-a Acquired: 4/10/2012 14:53:57 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**34.963**	**.02992**	**.00569**	**.28334**	**.00333**	**-.00604**	**11.373**	**.00027**	**.02093**
Stddev	.00005	.145	.00054	.00007	.00213	.00004	.00148	.012	.00016	.00029
%RSD	19.366	.41533	1.8080	1.3040	.75171	1.2149	24.437	.10314	60.873	1.4029
#1	-.00021	34.860	.02954	.00563	.28184	.00336	-.00709	11.365	.00015	.02072
#2	-.00028	35.066	.03031	.00574	.28485	.00330	-.00500	11.381	.00039	.02114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10235**	**.29474**	**99.569**	**9.0135**	**.05893**	**8.5754**	**.81872**	**.00820**	**1.8728**	**.02372**
Stddev	.00039	.00214	.191	.0250	.00081	.0623	.00371	.00028	.0116	.00027
%RSD	.37709	.72566	.19213	.27732	1.3791	.72668	.45315	3.4664	.61690	1.1509
#1	.10262	.29625	99.433	8.9958	.05951	8.6194	.82134	.00840	1.8647	.02352
#2	.10208	.29323	99.704	9.0311	.05836	8.5313	.81610	.00800	1.8810	.02391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0223**	**.04177**	**.11060**	**-.00585**	W **-.00557**	**2.6357**	**5.6403**	**.00763**	**.11228**	**.12351**
Stddev	.0002	.00178	.00409	.00143	.00036	.0428	.0917	.00073	.00097	.00250
%RSD	.00872	4.2615	3.6936	24.513	6.3890	1.6251	1.6251	9.5554	.86476	2.0207
#1	2.0222	.04051	.11349	-.00483	-.00531	2.6659	5.7051	.00815	.11160	.12527
#2	2.0224	.04303	.10771	-.00686	-.00582	2.6054	5.5755	.00712	.11297	.12174
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7334**	**-.00314**	F **-.26592**	**.16345**	**.31001**	**.04972**
Stddev	.0135	.00121	.02124	.00123	.00169	.00297
%RSD	.49204	38.478	7.9859	.75078	.54575	5.9696
#1	2.7429	-.00228	-.28094	.16431	.31121	.04762
#2	2.7239	-.00399	-.25091	.16258	.30881	.05182
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4497.6**	**70210.**	**6840.2**
Stddev	7.7	222.	37.3
%RSD	.17014	.31615	.54539
#1	4492.1	70053.	6866.6
#2	4503.0	70367.	6813.8

Sample Name: 280-27357-a-10-a Acquired: 4/10/2012 14:56:15 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**71.223**	**.02582**	**.01391**	**1.0533**	**.00465**	**-.00610**	**59.653**	**.00089**	**.03844**
Stddev	.00011	.089	.00203	.00010	.0012	.00000	.00134	.080	.00014	.00002
%RSD	14.761	.12481	7.8529	.68829	.11383	.07969	21.972	.13378	16.170	.05119
#1	.00066	71.286	.02438	.01384	1.0542	.00465	-.00705	59.709	.00099	.03843
#2	.00082	71.160	.02725	.01398	1.0525	.00464	-.00515	59.597	.00079	.03846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15332**	**.27657**	**140.06**	**24.819**	**.06951**	**23.494**	**2.1804**	**.00854**	**1.9754**	**.06993**
Stddev	.00025	.00007	.15	.030	.00005	.085	.0095	.00001	.0152	.00008
%RSD	.16490	.02670	.10535	.12087	.07008	.36020	.43430	.10461	.77105	.10806
#1	.15350	.27663	139.95	24.840	.06948	23.554	2.1871	.00853	1.9862	.06998
#2	.15314	.27652	140.16	24.798	.06955	23.434	2.1737	.00855	1.9646	.06987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.1392**	**.10458**	**6.6490**	**-.00617**	W **-.00529**	**2.7546**	**5.8948**	**.01088**	**.44759**	**.11728**
Stddev	.0144	.00043	.0257	.00342	.00447	.0347	.0743	.00034	.00078	.00107
%RSD	.34910	.40767	.38597	55.502	84.574	1.2612	1.2612	3.1189	.17409	.90934
#1	4.1494	.10488	6.6671	-.00859	-.00213	2.7791	5.9474	.01112	.44814	.11804
#2	4.1290	.10428	6.6308	-.00375	-.00845	2.7300	5.8422	.01064	.44704	.11653
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8076**	**-.00223**	F **-.21298**	**.27367**	**.53034**	**.08147**
Stddev	.0174	.00069	.01947	.00130	.00233	.00055
%RSD	.36204	31.113	9.1423	.47578	.43969	.67743
#1	4.8199	-.00174	-.19921	.27459	.53199	.08108
#2	4.7953	-.00272	-.22675	.27275	.52870	.08186
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4486.7**	**70260.**	**7158.2**
Stddev	17.8	49.	23.8
%RSD	.39703	.07036	.33227
#1	4474.1	70225.	7141.4
#2	4499.3	70295.	7175.0

Sample Name: 280-27357-a-11-a Acquired: 4/10/2012 14:58:31 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**55.391**	**.02876**	**.01076**	**.58896**	**.00507**	**-.00808**	**17.827**	**.00057**	**.03008**
Stddev	.00031	.267	.00001	.00005	.00352	.00000	.00009	.064	.00010	.00057
%RSD	162.19	.48267	.03837	.46526	.59731	.08441	1.0536	.35675	17.101	1.8869
#1	.00041	55.202	.02876	.01079	.58647	.00506	-.00802	17.782	.00050	.02968
#2	-.00003	55.581	.02875	.01072	.59145	.00507	-.00814	17.872	.00064	.03049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37539**	**.21763**	**127.70**	**14.942**	**.07237**	**13.504**	**2.8764**	**.03912**	**2.3566**	**.04860**
Stddev	.00014	.00270	.61	.092	.00084	.065	.0087	.00082	.0049	.00046
%RSD	.03610	1.2415	.47882	.61872	1.1584	.48382	.30114	2.1058	.20968	.95303
#1	.37548	.21954	127.27	14.877	.07178	13.550	2.8702	.03971	2.3531	.04892
#2	.37529	.21572	128.13	15.007	.07296	13.457	2.8825	.03854	2.3601	.04827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.7788**	**.05781**	**.21282**	**-.00573**	**-.00305**	**2.8614**	**6.1235**	**.01035**	**.27026**	**.12479**
Stddev	.0197	.00297	.00207	.00260	.00133	.0314	.0673	.00007	.00146	.00022
%RSD	.71022	5.1434	.97107	45.376	43.383	1.0985	1.0985	.66499	.54206	.17978
#1	2.7927	.05992	.21428	-.00756	-.00212	2.8392	6.0759	.01030	.26922	.12494
#2	2.7648	.05571	.21136	-.00389	-.00399	2.8837	6.1710	.01040	.27129	.12463
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6866**	**-.00150**	F **-.22516**	**.20424**	**.36848**	**.08171**
Stddev	.0157	.00025	.00606	.00072	.00161	.00107
%RSD	.42567	16.469	2.6922	.35233	.43789	1.3136
#1	3.6977	-.00167	-.22087	.20475	.36962	.08095
#2	3.6755	-.00132	-.22944	.20373	.36734	.08247
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4599.9**	**71726.**	**7030.8**
Stddev	4.3	71.	27.7
%RSD	.09363	.09893	.39438
#1	4596.8	71776.	7050.4
#2	4602.9	71676.	7011.2

Sample Name: 280-27357-a-12-a Acquired: 4/10/2012 15:00:56 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**57.374**	**.02464**	**.01124**	**.66420**	**.00426**	**-.00596**	**17.553**	**.00056**	**.02648**
Stddev	.00026	.426	.00286	.00052	.00418	.00006	.00248	.073	.00011	.00013
%RSD	415.79	.74313	11.621	4.6121	.62962	1.4399	41.638	.41377	20.090	.50042
#1	-.00024	57.072	.02262	.01087	.66124	.00430	-.00420	17.501	.00048	.02657
#2	.00012	57.675	.02667	.01160	.66716	.00422	-.00771	17.604	.00064	.02638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07400**	**.15046**	**93.520**	**13.849**	**.06640**	**14.208**	**1.6355**	**.00396**	**1.1011**	**.03648**
Stddev	.00033	.00024	.428	.061	.00132	.001	.0004	.00005	.0134	.00030
%RSD	.44860	.15634	.45762	.43868	1.9839	.00952	.02488	1.3218	1.2174	.81244
#1	.07376	.15030	93.218	13.806	.06547	14.209	1.6358	.00392	1.0916	.03627
#2	.07423	.15063	93.823	13.892	.06733	14.207	1.6352	.00399	1.1105	.03669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2448**	**.04577**	**.15132**	**-.00482**	**-.00078**	**2.3908**	**5.1163**	**.00989**	**.26879**	**.07664**
Stddev	.0065	.00061	.00469	.00012	.00254	.0043	.0092	.00040	.00168	.00098
%RSD	.29039	1.3372	3.0999	2.5703	324.48	.18061	.18061	4.0217	.62614	1.2759
#1	2.2494	.04620	.15464	-.00490	.00101	2.3877	5.1098	.00961	.26760	.07595
#2	2.2402	.04534	.14800	-.00473	-.00258	2.3938	5.1228	.01017	.26998	.07733
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9605**	**-.00222**	F **-.22210**	**.14696**	**.38895**	**.07942**
Stddev	.0036	.00144	.00014	.00046	.00135	.00002
%RSD	.12095	64.934	.06195	.31021	.34654	.02869
#1	2.9580	-.00120	-.22200	.14663	.38800	.07944
#2	2.9631	-.00325	-.22219	.14728	.38991	.07941
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4504.0**	**70377.**	**6862.8**
Stddev	1.3	179.	11.7
%RSD	.02840	.25368	.17028
#1	4504.9	70250.	6871.0
#2	4503.0	70503.	6854.5

Sample Name: 280-27357-a-13-a Acquired: 4/10/2012 15:03:14 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**57.284**	**.02998**	**.01178**	**.78397**	**.00391**	**-.00523**	**57.580**	**.00078**	**.03130**
Stddev	.00014	.240	.00231	.00057	.00274	.00002	.00074	.094	.00001	.00057
%RSD	51.772	.41982	7.6898	4.8388	.34961	.57939	14.176	.16305	1.8683	1.8175
#1	.00017	57.454	.02835	.01138	.78591	.00389	-.00471	57.647	.00077	.03089
#2	.00037	57.114	.03161	.01218	.78203	.00393	-.00576	57.514	.00079	.03170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26393**	**.21756**	**120.54**	**16.390**	**.06336**	**16.136**	**2.1873**	**.02493**	**1.3735**	**.09989**
Stddev	.00234	.00010	.50	.058	.00087	.061	.0024	.00046	.0052	.00075
%RSD	.88782	.04638	.41470	.35110	1.3659	.37920	.10819	1.8329	.37534	.75139
#1	.26228	.21763	120.90	16.431	.06275	16.179	2.1890	.02461	1.3771	.09936
#2	.26559	.21749	120.19	16.350	.06398	16.092	2.1856	.02526	1.3699	.10042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.4576**	**.09004**	**2.0142**	**-.00608**	**-.00409**	**2.6657**	**5.7047**	**.00861**	**.38683**	**.11865**
Stddev	.0326	.00069	.0056	.00082	.00116	.0246	.0527	.00064	.00100	.00041
%RSD	.94441	.77047	.27776	13.416	28.306	.92462	.92462	7.3880	.25745	.34531
#1	3.4345	.08955	2.0103	-.00666	-.00327	2.6483	5.6674	.00816	.38753	.11836
#2	3.4807	.09053	2.0182	-.00550	-.00490	2.6832	5.7420	.00905	.38612	.11894
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3499**	**-.00245**	F **-.23150**	**.20400**	**.32643**	**.06978**
Stddev	.0058	.00037	.01833	.00005	.00202	.00119
%RSD	.17289	15.013	7.9179	.02627	.61788	1.7030
#1	3.3540	-.00271	-.24446	.20396	.32786	.06894
#2	3.3458	-.00219	-.21854	.20404	.32500	.07062
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4455.2**	**69335.**	**7069.0**
Stddev	25.8	78.	10.2
%RSD	.57834	.11272	.14453
#1	4473.4	69280.	7076.2
#2	4437.0	69390.	7061.8

Sample Name: CCVH-1351956 Acquired: 4/10/2012 15:05:32 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00167**	**53.155**	**-.00230**	**.00060**	**.00036**	**.00001**	**1.0143**	**-.00841**	**.00005**	**.00020**	**.00034**	**.00299**	**53.289**
Stddev	.00012	.218	.00219	.00046	.00012	.00006	.0047	.00111	.00018	.00000	.00006	.00004	.031
%RSD	7.2684	.41092	95.194	76.595	32.800	823.41	.46115	13.141	331.90	.78289	18.594	1.3420	.05838
#1	.00158	53.309	-.00075	.00092	.00027	.00005	1.0110	-.00919	-.00007	.00020	.00038	.00296	53.311
#2	.00175	53.000	-.00384	.00027	.00044	-.00003	1.0176	-.00763	.00018	.00020	.00029	.00302	53.267
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01820**	**.00094**	**.01820**	**-.00005**	**-.00064**	**273.13**	**.00161**	**.00093**	**-.00176**	**4.9945**	**-.00517**	**-.00413**	**.01299**
Stddev	.01039	.00067	.00030	.00001	.00023	1.34	.00006	.00016	.00082	.0322	.00022	.00011	.00909
%RSD	57.106	71.475	1.6409	23.214	36.079	.49117	3.4451	17.222	46.536	.64430	4.2252	2.7545	70.025
#1	.02554	.00142	.01841	-.00004	-.00048	274.08	.00157	.00082	-.00234	4.9717	-.00533	-.00421	.00656
#2	.01085	.00047	.01799	-.00006	-.00080	272.19	.00165	.00105	-.00118	5.0172	-.00502	-.00405	.01942
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02779**	**.00162**	**.00042**	**5.0736**	**.00387**	**-.00076**	**10.125**	**.00168**	**.00116**	**.01087**
Stddev	.01946	.00019	.00006	.0257	.00005	.00054	.040	.00065	.00016	.00342
%RSD	70.025	12.011	13.566	.50713	1.2456	71.255	.39169	38.861	13.822	31.508
#1	.01403	.00148	.00046	5.0554	.00391	-.00037	10.097	.00214	.00105	.01329
#2	.04155	.00176	.00038	5.0917	.00384	-.00114	10.153	.00122	.00128	.00844
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4032.9**	**61708.**	**6181.0**
Stddev	28.2	79.	41.4
%RSD	.69840	.12836	.67016
#1	4052.8	61764.	6151.7
#2	4012.9	61652.	6210.3

Sample Name: CCV-1351954 Acquired: 4/10/2012 15:07:52 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51464**	**.49399**	**.95148**	**.50113**	**.54599**	**.50743**	**-.00435**	**5.1192**	**.51194**	**.50379**	**.50484**	**.51974**	**2.7019**
Stddev	.00223	.00365	.00490	.00376	.00089	.00050	.00146	.0076	.00377	.00288	.00446	.00080	.0249
%RSD	.43358	.73954	.51479	.75042	.16279	.09950	33.526	.14939	.73733	.57193	.88395	.15421	.92190
#1	.51307	.49141	.94802	.49847	.54536	.50779	-.00332	5.1246	.50927	.50176	.50168	.51917	2.7195
#2	.51622	.49658	.95494	.50379	.54662	.50707	-.00538	5.1138	.51461	.50583	.50799	.52030	2.6843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.179**	**1.0790**	**19.533**	**.50443**	**.50249**	**5.2255**	**.50401**	**.97762**	**.94542**	**.01075**	**.99444**	**1.0450**	**5.0627**
Stddev	.200	.0001	.057	.00056	.00305	.0183	.00468	.00871	.00909	.00334	.01331	.0008	.0074
%RSD	.36828	.00988	.29044	.11005	.60686	.34989	.92871	.89080	.96101	31.023	1.3388	.07932	.14537
#1	54.038	1.0791	19.493	.50404	.50033	5.2126	.50070	.97146	.93899	.01311	.98502	1.0444	5.0575
#2	54.320	1.0790	19.573	.50482	.50464	5.2384	.50732	.98378	.95184	.00840	1.0038	1.0455	5.0679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.834**	**1.0192**	**.53408**	**-.00306**	**.49139**	**1.0495**	**.03108**	**.50125**	**.46800**	**.53415**
Stddev	.016	.0040	.00126	.00049	.00081	.0024	.01182	.00161	.00419	.00019
%RSD	.14537	.39041	.23547	15.881	.16482	.22952	38.028	.32196	.89465	.03563
#1	10.823	1.0164	.53319	-.00272	.49082	1.0478	.03944	.50239	.46503	.53401
#2	10.845	1.0220	.53497	-.00340	.49197	1.0512	.02272	.50011	.47096	.53428
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4066.7**	**63676.**	**6098.9**
Stddev	25.8	110.	16.1
%RSD	.63528	.17307	.26370
#1	4085.0	63754.	6110.3
#2	4048.4	63598.	6087.5

Sample Name: CCB Acquired: 4/10/2012 15:10:05 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00170**	**.00012**	**.00236**	**-.00038**	**.00036**	**.00000**	**-.00277**	**-.00491**	**.00015**	**.00010**	**-.00003**
Stddev	.00009	.00017	.00173	.00027	.00037	.00000	.00293	.00063	.00024	.00016	.00004
%RSD	5.4374	137.32	73.518	69.622	102.82	1.2355	105.56	12.912	160.83	163.72	139.55
#1	.00163	.00000	.00113	-.00057	.00010	.00000	-.00070	-.00446	-.00002	.00021	-.00006
#2	.00176	.00024	.00358	-.00019	.00062	.00000	-.00485	-.00536	.00033	-.00002	.00000
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00165**	**.00067**	**.00304**	**-.00038**	**.00190**	**.00003**	**.00110**	**.00046**	**-.00033**	**-.00160**	**.00100**
Stddev	.00018	.00093	.01093	.00015	.00055	.00001	.00034	.00010	.00051	.00133	.00034
%RSD	10.784	139.13	359.85	38.085	29.249	50.271	30.535	21.413	154.46	83.060	34.164
#1	-.00152	.00001	.01076	-.00049	.00150	.00004	.00086	.00053	.00003	-.00066	.00076
#2	-.00177	.00132	-.00469	-.00028	.00229	.00002	.00134	.00039	-.00069	-.00254	.00124
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00803**	**-.00124**	W **.00623**	**-.00872**	**-.01866**	**.00108**	**.00006**	**.00002**	**.00022**	**-.00231**	**.01045**
Stddev	.00304	.00327	.00200	.00282	.00603	.00076	.00003	.00093	.00025	.00137	.01320
%RSD	37.781	262.57	32.107	32.320	32.320	70.663	45.534	5781.0	117.02	59.520	126.40
#1	.00589	-.00356	.00482	-.00673	-.01439	.00054	.00004	.00068	.00040	-.00328	.01978
#2	.01018	.00107	.00765	-.01071	-.02292	.00161	.00008	-.00064	.00004	-.00134	.00111
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00039**	**.00119**	**.00042**
Stddev	.00031	.00037	.00264
%RSD	80.807	30.929	621.39
#1	.00061	.00093	.00229
#2	.00017	.00145	-.00144
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4126.4**	**64915.**	**6065.4**
Stddev	27.7	3.	131.4
%RSD	.67182	.00475	2.1671
#1	4146.0	64917.	6158.4
#2	4106.8	64913.	5972.5

Sample Name: CCVL1351959 Acquired: 4/10/2012 15:12:31 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01119**	**.10251**	**.01815**	**.09362**	**.01138**	**.00104**	**.10750**	**.20686**	**.00525**	**.01037**	**.01048**	**.01416**	**.10975**
Stddev	.00034	.00018	.00081	.00050	.00018	.00003	.00152	.00076	.00005	.00008	.00026	.00037	.00267
%RSD	3.0759	.18008	4.4483	.53543	1.6206	2.7765	1.4177	.36761	.97206	.80808	2.4942	2.6155	2.4319
#1	.01095	.10238	.01758	.09397	.01151	.00106	.10858	.20740	.00529	.01043	.01030	.01390	.11163
#2	.01144	.10264	.01873	.09326	.01125	.00102	.10643	.20632	.00521	.01031	.01066	.01442	.10786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3799**	**.01180**	**.20138**	**.01034**	**.01983**	**1.0976**	**.04125**	**2.7168**	**.01032**	**.00445**	**.00759**	**.01544**	**.51253**
Stddev	.0062	.00015	.00069	.00009	.00005	.0127	.00032	.0143	.00003	.00215	.00092	.00128	.00349
%RSD	.18195	1.2426	.34199	.87106	.23501	1.1554	.77509	.52635	.30767	48.304	12.117	8.3011	.68178
#1	3.3843	.01170	.20089	.01028	.01979	1.1066	.04147	2.7269	.01030	.00597	.00694	.01634	.51006
#2	3.3756	.01191	.20186	.01040	.01986	1.0886	.04102	2.7067	.01034	.00293	.00824	.01453	.51500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0968**	**.10242**	**.01101**	**.01451**	**.00989**	**.01429**	F **.10775**	**.01027**	**.02036**	**.01635**
Stddev	.0075	.00145	.00010	.00341	.00021	.00045	.04666	.00011	.00041	.00163
%RSD	.68178	1.4111	.86557	23.471	2.1595	3.1556	43.305	1.0914	2.0019	9.9456
#1	1.0915	.10140	.01108	.01211	.01004	.01461	.14075	.01035	.02065	.01520
#2	1.1021	.10344	.01095	.01692	.00974	.01397	.07476	.01019	.02007	.01750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4140.9**	**65767.**	**6150.4**
Stddev	9.7	48.	24.5
%RSD	.23456	.07252	.39838
#1	4134.0	65801.	6133.1
#2	4147.8	65734.	6167.8

Sample Name: mb 280-114539/1-a Acquired: 4/10/2012 15:14:54 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00338**	**-.00355**	**-.00020**	**.00019**	**.00001**	**-.00273**	**.01499**	**.00020**	**.00011**
Stddev	.00007	.00023	.00016	.00000	.00007	.00004	.00055	.00056	.00011	.00024
%RSD	11.317	6.8332	4.5572	1.6536	35.835	441.61	20.134	3.7209	57.911	221.06
#1	.00053	.00321	-.00366	-.00020	.00024	-.00002	-.00234	.01538	.00028	-.00006
#2	.00062	.00354	-.00343	-.00020	.00014	.00004	-.00312	.01459	.00012	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00163**	**.01101**	**.04244**	**.00003**	**.00535**	**.00015**	**-.00010**	**-.00250**	**-.00010**
Stddev	.00003	.00008	.00042	.00744	.00029	.00249	.00002	.00016	.01058	.00020
%RSD	40.211	4.6836	3.8165	17.532	1008.4	46.532	13.509	168.61	423.90	202.75
#1	-.00009	-.00169	.01071	.03718	.00023	.00711	.00014	.00002	.00498	.00004
#2	-.00005	-.00158	.01130	.04771	-.00018	.00359	.00016	-.00021	-.00997	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00030**	W **.00602**	**-.00316**	**-.00107**	W **.00981**	**.02100**	**.00102**	**.00008**	**.00117**
Stddev	.00009	.00103	.00092	.00082	.00078	.00947	.02027	.00001	.00003	.00093
%RSD	38.454	341.85	15.333	25.885	73.394	96.544	96.544	1.1560	39.931	79.601
#1	-.00030	.00103	.00667	-.00374	-.00162	.00311	.00666	.00103	.00006	.00051
#2	-.00017	-.00043	.00537	-.00259	-.00051	.01651	.03533	.00101	.00010	.00183
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500			.00500				
Low Limit			-.00500			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00221**	**-.00464**	**.00024**	**.00181**	**.00120**
Stddev	.00005	.00019	.00658	.00052	.00017	.00187
%RSD	24.192	8.5158	141.74	215.58	9.3112	156.13
#1	.00017	-.00235	-.00929	.00061	.00169	.00252
#2	.00024	-.00208	.00001	-.00013	.00193	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.7**	**66550.**	**6286.2**
Stddev	21.7	206.	17.8
%RSD	.52479	.30881	.28384
#1	4149.0	66404.	6273.6
#2	4118.4	66695.	6298.8

Sample Name: lcs 280-114539/2-a Acquired: 4/10/2012 15:17:18 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05324**	**1.8246**	**.96294**	**.99451**	**2.1652**	**.05112**	**2.1224**	**50.183**	**.10298**	**.48910**
Stddev	.00011	.0027	.00980	.00084	.0231	.00026	.0014	.406	.00009	.00125
%RSD	.20280	.14646	1.0182	.08410	1.0645	.49898	.06585	.80832	.09029	.25503
#1	.05316	1.8265	.95601	.99510	2.1815	.05130	2.1214	50.470	.10304	.48998
#2	.05331	1.8227	.96988	.99392	2.1489	.05094	2.1233	49.896	.10291	.48821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20028**	**.26152**	**1.0639**	**54.102**	**1.0809**	**47.316**	**.50171**	**1.0114**	F **56.095**	**.49563**
Stddev	.00048	.00060	.0092	.500	.0125	.056	.00056	.0039	.846	.00110
%RSD	.23743	.22776	.86515	.92359	1.1569	.11857	.11251	.38402	1.5082	.22242
#1	.20062	.26194	1.0704	54.456	1.0897	47.355	.50131	1.0142	56.694	.49641
#2	.19995	.26110	1.0574	53.749	1.0720	47.276	.50211	1.0087	55.497	.49485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8214**	**.46757**	**.01510**	**.48526**	**2.0701**	**10.238**	F **21.909**	**2.0031**	**1.0726**	**1.0084**
Stddev	.0092	.00224	.00067	.00179	.0092	.062	.132	.0118	.0109	.0015
%RSD	.09336	.47840	4.4319	.36882	.44471	.60212	.60212	.58740	1.0148	.15361
#1	9.8279	.46915	.01558	.48653	2.0766	10.282	22.002	2.0114	1.0803	1.0073
#2	9.8149	.46599	.01463	.48399	2.0636	10.194	21.816	1.9948	1.0649	1.0095
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99171**	**2.0195**	**2.1784**	**.50169**	**.45478**	**.54101**
Stddev	.00135	.0007	.0064	.00014	.00298	.00272
%RSD	.13593	.03462	.29463	.02719	.65598	.50220
#1	.99267	2.0190	2.1830	.50178	.45688	.54293
#2	.99076	2.0200	2.1739	.50159	.45267	.53909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3943.2**	**62125.**	**6163.4**
Stddev	2.3	49.	62.4
%RSD	.05929	.07890	1.0119
#1	3941.5	62160.	6119.3
#2	3944.8	62090.	6207.5

Sample Name: 280-27276-e-1-b Acquired: 4/10/2012 15:19:27 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**16.054**	**.00355**	**.12418**	**.13890**	**.00083**	**-.00544**	**81.532**	**.00055**	**.00579**
Stddev	.00011	.245	.00178	.00034	.00227	.00006	.00068	.870	.00016	.00014
%RSD	10.858	1.5244	50.007	.27573	1.6364	7.0993	12.427	1.0665	29.252	2.4205
#1	.00097	15.881	.00230	.12443	.13729	.00079	-.00496	80.917	.00066	.00589
#2	.00113	16.227	.00481	.12394	.14050	.00087	-.00592	82.147	.00043	.00569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05275**	**.02033**	**15.706**	**6.7039**	**.02710**	**17.221**	**.29486**	**.00871**	W **574.04**	**.02701**
Stddev	.00033	.00372	.206	.1269	.00182	2.386	.03967	.00065	6.85	.00018
%RSD	.62107	18.273	1.3093	1.8928	6.7255	13.853	13.455	7.4258	1.1931	.68235
#1	.05298	.01770	15.560	6.6141	.02581	15.534	.26681	.00825	569.19	.02688
#2	.05252	.02296	15.851	6.7936	.02839	18.908	.32291	.00917	578.88	.02714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35380**	**.01015**	F **356.77**	**-.00192**	**.05190**	**33.478**	**71.643**	**.00109**	**1.0733**	**.00649**
Stddev	.00227	.00052	.82	.00109	.00207	.494	1.057	.00116	.0150	.00221
%RSD	.64104	5.1645	.22950	56.598	3.9982	1.4747	1.4747	106.01	1.3925	34.073
#1	.35219	.00978	357.34	-.00268	.05043	33.129	70.896	.00027	1.0627	.00493
#2	.35540	.01052	356.19	-.00115	.05336	33.827	72.390	.00191	1.0839	.00805
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54415**	**.00036**	**.05199**	**.03470**	**.04854**	**.00304**
Stddev	.07174	.00100	.01432	.00506	.00783	.00153
%RSD	13.184	279.88	27.550	14.570	16.132	50.227
#1	.49342	-.00035	.04186	.03112	.04300	.00196
#2	.59488	.00106	.06212	.03827	.05408	.00413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3868.5**	**55353.**	**6204.6**
Stddev	13.0	6342.	57.5
%RSD	.33634	11.457	.92679
#1	3859.3	59838.	6245.3
#2	3877.7	50869.	6164.0

Sample Name: 280-27276-e-1-bSD@5 Acquired: 4/10/2012 15:21:52 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**3.8748**	**.00207**	**.02618**	**.03269**	**.00019**	**-.00262**	**16.223**	**.00007**	**.00123**
Stddev	.00006	.0312	.00310	.00027	.00014	.00006	.00062	.054	.00009	.00004
%RSD	9.9393	.80458	149.52	1.0179	.43732	33.002	23.536	.33521	133.21	3.5173
#1	.00056	3.8528	.00426	.02637	.03279	.00023	-.00306	16.184	.00013	.00126
#2	.00064	3.8969	-.00012	.02599	.03259	.00015	-.00219	16.261	.00000	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01156**	**.00259**	**3.2998**	**1.6513**	**.00709**	**3.3837**	**.05621**	**.00123**	**115.09**	**.00563**
Stddev	.00017	.00007	.0115	.0070	.00018	.0073	.00011	.00017	.52	.00006
%RSD	1.5136	2.8613	.34786	.42601	2.5616	.21432	.19136	14.197	.45524	1.1438
#1	.01169	.00254	3.2916	1.6464	.00696	3.3888	.05613	.00111	114.72	.00558
#2	.01144	.00264	3.3079	1.6563	.00722	3.3785	.05628	.00135	115.46	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07072**	**.00392**	**72.041**	**-.00297**	**.01033**	**8.9014**	**19.049**	**.00006**	**.21304**	**.00227**
Stddev	.00058	.00287	.181	.00067	.00275	.0167	.036	.00047	.00070	.00046
%RSD	.82214	73.205	.25124	22.628	26.605	.18761	.18761	810.03	.33044	20.443
#1	.07030	.00595	71.913	-.00250	.01227	8.9133	19.074	-.00027	.21254	.00260
#2	.07113	.00189	72.169	-.00345	.00839	8.8896	19.024	.00039	.21353	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13215**	**.00034**	**-.00405**	**.00693**	**.01083**	**.00202**
Stddev	.00008	.00122	.00457	.00020	.00070	.00021
%RSD	.06281	357.42	112.75	2.9359	6.4298	10.143
#1	.13210	.00120	-.00729	.00679	.01132	.00188
#2	.13221	-.00052	-.00082	.00708	.01033	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4062.4**	**63158.**	**6290.8**
Stddev	12.0	46.	10.3
%RSD	.29490	.07294	.16352
#1	4070.8	63190.	6298.1
#2	4053.9	63125.	6283.5

Sample Name: 280-27276-e-1-c ms Acquired: 4/10/2012 15:24:12 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05555**	**24.497**	**.97254**	**1.0712**	**2.3124**	**.05151**	F **2.0089**	**131.75**	**.10267**	**.47870**
Stddev	.00048	.072	.00477	.0050	.0085	.00031	.0043	.56	.00013	.00139
%RSD	.85866	.29297	.49061	.47163	.36921	.61117	.21149	.42620	.12765	.28985
#1	.05589	24.447	.97592	1.0748	2.3064	.05129	2.0119	131.36	.10258	.47968
#2	.05522	24.548	.96917	1.0677	2.3185	.05173	2.0058	132.15	.10277	.47772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25098**	**.27521**	**17.833**	**63.411**	**1.1183**	**62.677**	**.77360**	**.99037**	W **632.81**	**.50481**
Stddev	.00082	.00174	.052	.252	.0067	.371	.00419	.00422	2.41	.00207
%RSD	.32848	.63131	.29430	.39696	.60274	.59129	.54104	.42654	.38090	.41104
#1	.25156	.27644	17.796	63.233	1.1136	62.939	.77656	.99336	631.11	.50628
#2	.25040	.27399	17.870	63.589	1.1231	62.415	.77064	.98739	634.52	.50334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.275**	**.44491**	F **358.07**	**.46963**	**2.1760**	W **58.025**	**124.17**	**1.9090**	**2.1532**	**1.0317**
Stddev	.044	.00216	1.45	.00394	.0091	.173	.37	.0199	.0064	.0032
%RSD	.43291	.48483	.40557	.83876	.41784	.29778	.29778	1.0407	.29581	.30522
#1	10.307	.44644	359.09	.47242	2.1824	57.903	123.91	1.9230	2.1486	1.0339
#2	10.244	.44339	357.04	.46685	2.1696	58.147	124.43	1.8949	2.1577	1.0294
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5846**	**1.7861**	**2.1191**	**.54077**	**.51072**	**.54445**
Stddev	.0063	.0120	.0069	.00273	.00580	.00010
%RSD	.39430	.67253	.32699	.50540	1.1352	.01853
#1	1.5890	1.7946	2.1240	.54270	.51482	.54452
#2	1.5802	1.7776	2.1142	.53884	.50662	.54438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3764.8**	**57583.**	**5917.4**
Stddev	12.8	87.	6.4
%RSD	.34062	.15191	.10846
#1	3755.8	57521.	5921.9
#2	3773.9	57644.	5912.9

Sample Name: 280-27276-e-1-d msd Acquired: 4/10/2012 15:26:26 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05378**	**24.604**	**.95915**	**1.0506**	**2.3025**	**.05122**	F **1.9785**	**133.33**	**.10106**	**.47402**
Stddev	.00090	.338	.01003	.0118	.0330	.00068	.0153	2.05	.00121	.00692
%RSD	1.6735	1.3743	1.0459	1.1231	1.4335	1.3237	.77164	1.5403	1.2006	1.4600
#1	.05442	24.365	.95206	1.0423	2.2792	.05074	1.9677	131.87	.10020	.46912
#2	.05315	24.843	.96624	1.0590	2.3258	.05170	1.9893	134.78	.10192	.47891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24930**	**.27293**	**18.038**	**63.300**	**1.1123**	**62.057**	**.76821**	**.97773**	W **639.29**	**.49952**
Stddev	.00338	.00153	.284	.977	.0160	.334	.00387	.01043	9.24	.00489
%RSD	1.3567	.55938	1.5719	1.5436	1.4409	.53827	.50442	1.0666	1.4459	.97815
#1	.24691	.27401	17.837	62.609	1.1009	62.293	.77095	.97035	632.76	.49606
#2	.25169	.27185	18.238	63.991	1.1236	61.821	.76547	.98510	645.83	.50297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.121**	**.43803**	F **358.27**	**.45680**	**2.1274**	W **58.485**	**125.16**	**1.8837**	**2.1589**	**1.0184**
Stddev	.111	.00646	3.85	.00580	.0071	.834	1.78	.0236	.0298	.0061
%RSD	1.0953	1.4752	1.0750	1.2701	.33381	1.4257	1.4257	1.2538	1.3784	.59695
#1	10.043	.43346	355.55	.45270	2.1224	57.895	123.90	1.8670	2.1379	1.0227
#2	10.200	.44260	361.00	.46091	2.1324	59.074	126.42	1.9004	2.1800	1.0141
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5717**	**1.7591**	**2.0839**	**.53558**	**.50472**	**.54463**
Stddev	.0085	.0183	.0243	.00231	.00109	.00798
%RSD	.53856	1.0411	1.1678	.43153	.21596	1.4653
#1	1.5777	1.7462	2.1011	.53722	.50549	.53899
#2	1.5658	1.7721	2.0666	.53395	.50395	.55028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3762.7**	**57839.**	**5881.4**
Stddev	36.2	276.	73.1
%RSD	.96252	.47789	1.2436
#1	3788.4	57644.	5933.1
#2	3737.1	58034.	5829.7

Sample Name: 280-27276-e-2-d Acquired: 4/10/2012 15:28:41 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**26.330**	**.01373**	**.19012**	**.17040**	**.00122**	**-.00718**	**80.627**	**.00063**	**.01052**
Stddev	.00009	.058	.00067	.00046	.00079	.00002	.00230	.112	.00006	.00018
%RSD	8.5891	.22071	4.9051	.24423	.46564	1.5987	32.006	.13946	10.173	1.7267
#1	.00109	26.371	.01325	.19045	.17096	.00124	-.00880	80.706	.00067	.01039
#2	.00096	26.289	.01421	.18979	.16984	.00121	-.00555	80.547	.00058	.01065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05971**	**.02739**	**26.241**	**7.7105**	**.05151**	**13.544**	**.53364**	**.01419**	**483.53**	**.03780**
Stddev	.00043	.00020	.028	.0363	.00188	.054	.00191	.00045	.97	.00025
%RSD	.71955	.73428	.10552	.47058	3.6502	.39589	.35738	3.1957	.19976	.66159
#1	.06001	.02725	26.261	7.6849	.05284	13.582	.53499	.01387	484.22	.03763
#2	.05941	.02753	26.222	7.7362	.05018	13.506	.53229	.01451	482.85	.03798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48527**	**.01530**	F **304.19**	**-.00284**	**.00401**	**44.925**	**96.139**	**.00140**	**.81922**	**.00836**
Stddev	.00422	.00043	.68	.00022	.00147	.034	.072	.00047	.00251	.00085
%RSD	.86960	2.8019	.22215	7.8123	36.617	.07468	.07468	33.677	.30613	10.212
#1	.48826	.01499	304.67	-.00268	.00297	44.901	96.088	.00107	.82099	.00776
#2	.48229	.01560	303.72	-.00299	.00505	44.948	96.190	.00173	.81744	.00897
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87727**	**.00075**	**-.00452**	**.05111**	**.07260**	**.00682**
Stddev	.00525	.00147	.00992	.00016	.00104	.00228
%RSD	.59834	195.11	219.32	.31413	1.4382	33.480
#1	.88098	-.00029	-.01154	.05100	.07334	.00844
#2	.87356	.00179	.00249	.05122	.07186	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3874.2**	**58876.**	**5918.8**
Stddev	4.7	40.	40.8
%RSD	.12258	.06764	.68980
#1	3877.6	58848.	5947.6
#2	3870.9	58904.	5889.9

Sample Name: 280-27279-d-1-a Acquired: 4/10/2012 15:31:07 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00535**	**.00007**	**.04554**	**.10078**	**-.00006**	**-.00539**	**6.7781**	**.00020**	**-.00043**
Stddev	.00001	.00005	.00219	.00047	.00090	.00002	.00094	.0497	.00005	.00006
%RSD	1.4522	.96860	2933.7	1.0300	.89024	36.380	17.365	.73275	24.164	14.624
#1	.00103	.00532	.00162	.04587	.10141	-.00008	-.00473	6.8132	.00017	-.00047
#2	.00101	.00539	-.00147	.04521	.10014	-.00004	-.00605	6.7430	.00023	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00119**	**.11555**	**2.3760**	**.01614**	**.56259**	**.01619**	**.00533**	**74.718**	**-.00036**
Stddev	.00008	.00007	.00329	.0528	.00172	.00397	.00006	.00005	.430	.00005
%RSD	44.582	6.0946	2.8480	2.2231	10.655	.70586	.36558	1.0231	.57495	14.547
#1	.00013	.00124	.11787	2.4133	.01736	.56540	.01615	.00529	75.022	-.00040
#2	.00025	.00114	.11322	2.3386	.01492	.55978	.01623	.00536	74.414	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00382**	**.00105**	**5.8656**	**-.00210**	**.00088**	**6.2301**	**13.332**	**.00190**	**.14295**	**.00022**
Stddev	.00062	.00131	.0160	.00327	.00457	.0621	.133	.00000	.00156	.00140
%RSD	16.199	125.44	.27261	155.71	516.67	.99645	.99645	.01964	1.0935	625.25
#1	.00339	.00197	5.8769	-.00441	-.00235	6.2740	13.426	.00190	.14406	.00121
#2	.00426	.00012	5.8543	.00021	.00412	6.1862	13.238	.00190	.14185	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**-.00143**	**-.00216**	**.00027**	**.10447**	**.00192**
Stddev	.00011	.00185	.00809	.00045	.00015	.00167
%RSD	21.281	129.88	373.68	166.87	.14058	87.217
#1	.00060	-.00273	-.00788	-.00005	.10458	.00074
#2	.00045	-.00012	.00355	.00058	.10437	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4001.2**	**62219.**	**5892.5**
Stddev	.3	131.	3.2
%RSD	.00835	.21082	.05471
#1	4001.5	62126.	5890.3
#2	4001.0	62312.	5894.8

Sample Name: 280-27283-b-1-e Acquired: 4/10/2012 15:33:29 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00103	.01890	.00004	.00880	.02615	-.00001	-.00446	27.561	.00014	-.00035
Stddev	.00005	.00006	.00189	.00020	.00008	.00003	.00004	.061	.00003	.00002
%RSD	5.0993	.33790	5183.1	2.2374	.30589	225.00	.85185	.22067	19.311	6.6668
#1	.00099	.01885	.00137	.00866	.02621	-.00003	-.00443	27.604	.00016	-.00033
#2	.00106	.01894	-.00130	.00894	.02610	.00001	-.00449	27.518	.00012	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	.00429	.00815	1.0310	.00539	5.4600	.00059	.00034	7.8290	-.00005
Stddev	.00013	.00019	.00281	.0241	.00068	.0492	.00007	.00017	.0221	.00008
%RSD	42.121	4.3437	34.477	2.3391	12.597	.90081	11.096	50.717	.28234	141.91
#1	.00022	.00442	.01014	1.0139	.00491	5.4948	.00064	.00022	7.8446	-.00011
#2	.00042	.00416	.00616	1.0480	.00587	5.4252	.00054	.00046	7.8134	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00449	.00223	12.016	-.00136	-.00040	2.9269	6.2635	.00043	.18487	-.00099
Stddev	.00336	.00104	.015	.00006	.00133	.0109	.0232	.00056	.00094	.00079
%RSD	74.902	46.709	.12826	4.1015	330.87	.37096	.37096	131.83	.50777	79.497
#1	.00686	.00297	12.005	-.00140	-.00134	2.9192	6.2471	.00003	.18553	-.00155
#2	.00211	.00149	12.027	-.00132	.00054	2.9346	6.2800	.00082	.18421	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	-.00109	.01233	.00046	.00303	.00030
Stddev	.00010	.00054	.00053	.00004	.00060	.00005
%RSD	158.22	49.595	4.3307	9.1387	19.856	16.720
#1	-.00001	-.00071	.01270	.00043	.00345	.00026
#2	.00013	-.00147	.01195	.00049	.00260	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4059.8	63529.	5886.3
Stddev	8.2	501.	9.2
%RSD	.20203	.78932	.15562
#1	4054.0	63175.	5879.8
#2	4065.6	63884.	5892.8

Sample Name: CCVH-1351956 Acquired: 4/10/2012 15:35:52 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**54.194**	**-.00222**	**.00129**	**.00049**	**-.00001**	**1.0011**	**-.00493**	**-.00003**	**.00018**	**.00022**	**.00140**
Stddev	.00024	.204	.00206	.00005	.00018	.00008	.0003	.00055	.00004	.00000	.00012	.00025
%RSD	12.254	.37705	92.789	3.7831	37.534	1463.7	.03231	11.165	131.06	.40527	57.970	17.891
#1	.00182	54.049	-.00368	.00126	.00036	.00005	1.0013	-.00454	.00000	.00018	.00013	.00158
#2	.00216	54.338	-.00076	.00132	.00062	-.00006	1.0009	-.00532	-.00006	.00018	.00030	.00123
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.447**	**.11422**	**.00152**	**.01623**	**.00003**	**-.00082**	W **275.64**	**.00175**	**.00039**	**-.00137**	**5.0272**	**-.00520**
Stddev	.068	.04860	.00101	.00032	.00003	.00017	.93	.00001	.00093	.00086	.0196	.00046
%RSD	.12558	42.553	66.477	1.9831	107.72	20.662	.33709	.35410	241.81	62.759	.39015	8.9280
#1	54.399	.14859	.00081	.01646	.00001	-.00070	274.99	.00175	-.00027	-.00076	5.0133	-.00488
#2	54.496	.07985	.00224	.01600	.00005	-.00094	276.30	.00174	.00105	-.00198	5.0411	-.00553
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Pass	None
Value							250.00					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**.00714**	**.01528**	**.00163**	**.00043**	**5.0871**	**.00381**	**-.00284**	**9.9729**	**.00074**	**.00062**	**.00916**
Stddev	.00068	.00322	.00689	.00097	.00001	.0136	.00003	.00053	.0138	.00016	.00003	.00055
%RSD	31.495	45.060	45.060	59.603	2.9995	.26668	.70794	18.738	.13856	21.705	4.7107	5.9743
#1	.00168	.00487	.01041	.00231	.00044	5.0775	.00379	-.00322	9.9827	.00085	.00060	.00954
#2	.00264	.00942	.02015	.00094	.00042	5.0967	.00383	-.00247	9.9631	.00063	.00065	.00877
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3978.8**	**60825.**	**5814.0**
Stddev	.6	17.	5.6
%RSD	.01389	.02856	.09594
#1	3978.4	60837.	5818.0
#2	3979.2	60813.	5810.1

Sample Name: CCV-1351954 Acquired: 4/10/2012 15:38:12 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51769**	**.49724**	**.93733**	**.49794**	**.54619**	**.50935**	**-.00360**	**5.2166**	**.51142**	**.50447**	**.50816**	**.52094**	**2.7239**
Stddev	.00115	.00095	.00157	.00088	.00101	.00081	.00095	.0156	.00048	.00009	.00100	.00045	.0059
%RSD	.22155	.19101	.16768	.17668	.18430	.15916	26.415	.29830	.09353	.01783	.19692	.08582	.21766
#1	.51850	.49657	.93844	.49856	.54691	.50878	-.00293	5.2056	.51176	.50453	.50887	.52126	2.7197
#2	.51688	.49791	.93622	.49732	.54548	.50993	-.00428	5.2276	.51108	.50440	.50746	.52063	2.7280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.510**	**1.0860**	**19.817**	**.51023**	**.50413**	**5.3525**	**.50506**	**.96382**	**.94230**	**.03430**	**.99310**	**1.0330**	**5.2131**
Stddev	.095	.0013	.026	.00190	.00083	.0152	.00117	.00161	.00117	.00704	.00035	.0033	.0085
%RSD	.17357	.11928	.13146	.37231	.16480	.28402	.23213	.16659	.12372	20.519	.03475	.31538	.16339
#1	54.443	1.0870	19.835	.51158	.50471	5.3633	.50589	.96495	.94312	.03928	.99334	1.0353	5.2071
#2	54.577	1.0851	19.798	.50889	.50354	5.3418	.50424	.96268	.94147	.02932	.99285	1.0307	5.2192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.156**	**1.0306**	**.53281**	**-.00056**	**.49789**	**1.0529**	**.01395**	**.50823**	**.47758**	**.53646**
Stddev	.018	.0036	.00051	.00144	.00058	.0035	.01466	.00203	.00280	.00249
%RSD	.16339	.34588	.09521	256.85	.11739	.32908	105.10	.39934	.58723	.46402
#1	11.143	1.0331	.53245	.00046	.49830	1.0553	.00358	.50966	.47957	.53822
#2	11.169	1.0281	.53317	-.00157	.49747	1.0504	.02431	.50679	.47560	.53470
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4041.1**	**62631.**	**5909.4**
Stddev	5.7	178.	21.8
%RSD	.14224	.28465	.36949
#1	4037.0	62505.	5924.8
#2	4045.1	62757.	5894.0

Sample Name: CCB Acquired: 4/10/2012 15:40:24 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00134**	**.00354**	**.00102**	**.00056**	**.00039**	**-.00001**	**-.00188**	**-.00531**	**.00003**	**-.00017**	**.00006**
Stddev	.00002	.00483	.00244	.00048	.00009	.00000	.00176	.00057	.00014	.00006	.00010
%RSD	1.5909	136.69	239.38	85.242	24.182	62.549	93.547	10.813	458.32	34.505	177.50
#1	.00132	.00012	-.00071	.00022	.00046	.00000	-.00312	-.00572	.00013	-.00022	.00013
#2	.00136	.00696	.00274	.00090	.00032	-.00001	-.00064	-.00491	-.00007	-.00013	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00227**	**-.00023**	**.10529**	**.00083**	**.00298**	**.00002**	**.00085**	**.08325**	**.00004**	**-.00177**	**.00093**
Stddev	.00033	.00174	.03142	.00068	.00018	.00004	.00046	.00456	.00003	.00099	.00101
%RSD	14.412	751.45	29.842	82.141	6.0846	235.61	54.472	5.4803	88.319	55.992	108.23
#1	-.00204	.00100	.12751	.00035	.00311	-.00001	.00052	.08648	.00006	-.00248	.00165
#2	-.00250	-.00146	.08307	.00131	.00285	.00004	.00118	.08003	.00001	-.00107	.00022
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02954**	**-.00142**	**-.00069**	**.00068**	**.00145**	**.00098**	**.00006**	**-.00085**	**.00005**	**.00022**	**.00893**
Stddev	.00174	.00335	.00326	.01214	.02598	.00041	.00006	.00061	.00002	.00045	.00958
%RSD	5.8957	235.93	475.59	1787.3	1787.3	41.649	100.08	72.016	46.460	204.11	107.29
#1	.03077	.00095	-.00299	.00926	.01982	.00126	.00010	-.00128	.00007	-.00010	.01570
#2	.02831	-.00379	.00162	-.00791	-.01692	.00069	.00002	-.00042	.00004	.00054	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00008**	**.00148**	**-.00004**
Stddev	.00002	.00004	.00167
%RSD	19.036	2.3717	4163.6
#1	-.00009	.00151	-.00122
#2	-.00007	.00146	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.3**	**64156.**	**5818.1**
Stddev	38.7	68.	18.6
%RSD	.94817	.10572	.31983
#1	4104.6	64204.	5804.9
#2	4049.9	64108.	5831.2

Sample Name: CCVL1351959 Acquired: 4/10/2012 15:42:49 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01168**	**.10240**	**.01199**	**.09093**	**.01148**	**.00101**	**.10641**	**.21126**	**.00523**	**.01026**	**.01036**	**.01369**	**.11243**
Stddev	.00031	.00003	.00083	.00015	.00015	.00007	.00059	.00126	.00008	.00035	.00031	.00003	.00168
%RSD	2.6382	.03303	6.9124	.16706	1.3301	6.9472	.55211	.59431	1.5611	3.4199	2.9989	.22143	1.4963
#1	.01146	.10238	.01140	.09103	.01159	.00106	.10682	.21214	.00529	.01051	.01014	.01371	.11124
#2	.01190	.10243	.01257	.09082	.01138	.00096	.10599	.21037	.00517	.01001	.01058	.01367	.11362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4945**	F **.01311**	**.20667**	**.01055**	**.01937**	**1.1803**	**.04103**	**2.6681**	**.01064**	**.01865**	F **.00678**	**.01360**	**.51448**
Stddev	.0314	.00121	.00022	.00002	.00006	.0147	.00010	.0134	.00061	.00033	.00208	.00275	.01909
%RSD	.89913	9.2199	.10747	.18018	.33283	1.2485	.25200	.50294	5.7087	1.7440	30.711	20.246	3.7114
#1	3.4723	.01396	.20651	.01054	.01932	1.1699	.04110	2.6776	.01021	.01888	.00531	.01555	.50098
#2	3.5167	.01225	.20683	.01056	.01941	1.1907	.04096	2.6586	.01107	.01842	.00825	.01166	.52798
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1010**	**.10121**	**.01112**	**.01391**	**.00981**	**.01498**	F **.08887**	**.01008**	**.02010**	**.01594**
Stddev	.0409	.00096	.00003	.00002	.00010	.00138	.01653	.00031	.00032	.00031
%RSD	3.7114	.94677	.23973	.11033	.99000	9.2371	18.602	3.0281	1.5746	1.9168
#1	1.0721	.10053	.01110	.01392	.00988	.01596	.07718	.00986	.01988	.01573
#2	1.1299	.10189	.01114	.01390	.00974	.01400	.10055	.01030	.02033	.01616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4122.9**	**64312.**	**5865.1**
Stddev	11.3	255.	40.6
%RSD	.27397	.39576	.69237
#1	4115.0	64492.	5836.4
#2	4130.9	64132.	5893.8

Sample Name: mb 280-114446/1-a Acquired: 4/10/2012 15:45:12 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00286**	**.00234**	**.00027**	**.00045**	**-.00003**	**-.00255**	**.02845**	**.00015**	**.00004**
Stddev	.00006	.00023	.00076	.00009	.00008	.00001	.00077	.00131	.00006	.00014
%RSD	5.5983	8.0416	32.443	34.295	18.360	41.088	30.014	4.6064	40.135	359.86
#1	.00108	.00270	.00180	.00021	.00039	-.00002	-.00309	.02753	.00019	.00014
#2	.00116	.00302	.00288	.00034	.00051	-.00005	-.00201	.02938	.00011	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00117**	**.01551**	**.09499**	**.00065**	**.00792**	**.00018**	**-.00002**	**.25760**	**.00073**
Stddev	.00011	.00000	.00105	.00841	.00239	.00057	.00006	.00002	.00194	.00008
%RSD	137.74	.36906	6.7874	8.8525	368.49	7.2142	32.382	115.99	.75401	10.769
#1	.00016	-.00117	.01476	.08904	.00234	.00752	.00022	-.00003	.25623	.00067
#2	.00000	-.00118	.01625	.10094	-.00104	.00832	.00014	.00000	.25898	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**.00017**	**.04854**	**-.00303**	**.00312**	**.02384**	**.05101**	**.00794**	**.00014**	**.00032**
Stddev	.00038	.00009	.00010	.00011	.00190	.01000	.02140	.00024	.00003	.00017
%RSD	9.0247	51.363	.21496	3.5615	60.904	41.958	41.958	3.0103	24.936	53.453
#1	.00448	.00011	.04847	-.00296	.00446	.03091	.06615	.00810	.00016	.00020
#2	.00394	.00023	.04862	-.00311	.00178	.01677	.03588	.00777	.00011	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00086**	**-.00008**	**.00035**	**.00188**	**.00073**
Stddev	.00008	.00085	.01179	.00010	.00008	.00182
%RSD	16.991	98.533	15018.	29.729	4.0634	249.09
#1	.00050	-.00026	-.00841	.00027	.00183	.00202
#2	.00039	-.00146	.00826	.00042	.00194	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4195.4**	**66263.**	**5931.9**
Stddev	4.7	124.	34.6
%RSD	.11268	.18660	.58359
#1	4192.1	66176.	5956.4
#2	4198.8	66350.	5907.4

Sample Name: lcs 280-114446/2-a Acquired: 4/10/2012 15:47:38 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05465**	**1.8799**	**.96176**	**.97458**	**2.2101**	**.05174**	F **2.1085**	**51.780**	**.10391**	**.49812**
Stddev	.00053	.0130	.00642	.00045	.0008	.00003	.0037	.084	.00114	.00363
%RSD	.97850	.69367	.66784	.04653	.03377	.06261	.17774	.16244	1.0931	.72922
#1	.05503	1.8707	.95722	.97426	2.2095	.05172	2.1059	51.720	.10310	.49555
#2	.05428	1.8891	.96630	.97490	2.2106	.05176	2.1112	51.839	.10471	.50069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20457**	**.26708**	**1.1082**	**55.660**	**1.1043**	**49.409**	**.52061**	**1.0209**	**57.945**	**.50687**
Stddev	.00159	.00065	.0034	.093	.0028	.102	.00132	.0062	.161	.00403
%RSD	.77740	.24282	.30945	.16736	.25724	.20571	.25326	.60593	.27821	.79489
#1	.20344	.26754	1.1058	55.594	1.1063	49.481	.52155	1.0165	58.059	.50402
#2	.20569	.26662	1.1106	55.726	1.1023	49.337	.51968	1.0252	57.831	.50972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9525**	**.47487**	**.05723**	**.48300**	**2.0856**	**1.4465**	**3.0956**	W **2.0595**	**1.0935**	**1.0400**
Stddev	.0315	.00110	.00007	.00437	.0135	.0024	.0052	.0169	.0003	.0002
%RSD	.31607	.23259	.11711	.90432	.64585	.16832	.16832	.81839	.02783	.01827
#1	9.9302	.47409	.05719	.47991	2.0760	1.4448	3.0919	2.0476	1.0932	1.0398
#2	9.9747	.47565	.05728	.48609	2.0951	1.4483	3.0993	2.0715	1.0937	1.0401
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0235**	**2.0569**	**2.1992**	**.51802**	**.47708**	**.54859**
Stddev	.0001	.0111	.0042	.00008	.00224	.00073
%RSD	.01395	.54034	.19047	.01499	.46906	.13232
#1	1.0236	2.0491	2.2022	.51807	.47866	.54911
#2	1.0234	2.0648	2.1962	.51796	.47550	.54808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3959.8**	**61099.**	**5890.3**
Stddev	20.6	177.	15.5
%RSD	.52089	.28958	.26231
#1	3974.4	60974.	5901.3
#2	3945.2	61224.	5879.4

Sample Name: 280-27310-a-1-h Acquired: 4/10/2012 15:49:48 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**34.994**	**.01496**	**.00334**	**.46093**	**.00337**	**-.00961**	**50.239**	**.00063**	**.05219**
Stddev	.00015	.287	.00297	.00071	.00360	.00005	.00121	.235	.00008	.00023
%RSD	26.601	.81902	19.866	21.310	.78131	1.4441	12.611	.46717	12.740	.44422
#1	.00069	35.197	.01286	.00384	.46348	.00341	-.00875	50.405	.00057	.05203
#2	.00047	34.792	.01706	.00284	.45839	.00334	-.01046	50.073	.00068	.05236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03799**	**.13308**	**154.54**	**4.3018**	**.03667**	**23.375**	**1.6085**	**.00292**	**2.6231**	**.04707**
Stddev	.00010	.00144	.89	.0200	.00041	.312	.0183	.00090	.0213	.00012
%RSD	.26964	1.0827	.57598	.46594	1.1049	1.3349	1.1352	30.884	.81225	.26191
#1	.03792	.13410	155.17	4.3160	.03696	23.595	1.6214	.00228	2.6382	.04716
#2	.03807	.13206	153.91	4.2877	.03639	23.154	1.5956	.00355	2.6081	.04698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7625**	**.01618**	**.74721**	**-.00368**	**.00019**	**2.4177**	**5.1738**	**.00652**	**.19570**	**.01489**
Stddev	.0146	.00095	.00054	.00134	.00055	.0463	.0991	.00041	.00140	.00067
%RSD	.21620	5.8954	.07195	36.379	291.09	1.9148	1.9148	6.3484	.71374	4.4856
#1	6.7728	.01686	.74683	-.00273	-.00020	2.4504	5.2439	.00622	.19669	.01536
#2	6.7522	.01551	.74759	-.00462	.00058	2.3849	5.1038	.00681	.19471	.01442
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.407**	**-.00068**	**-.02977**	**.34824**	**.23612**	**.13863**
Stddev	.054	.00193	.02575	.00471	.00276	.00302
%RSD	.47648	282.73	86.504	1.3531	1.1699	2.1777
#1	11.446	-.00205	-.01156	.35157	.23807	.14076
#2	11.369	.00068	-.04798	.34491	.23416	.13649
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4373.1**	**67552.**	**6501.9**
Stddev	5.3	589.	11.2
%RSD	.12078	.87119	.17219
#1	4369.4	67136.	6493.9
#2	4376.9	67968.	6509.8

Sample Name: 280-27310-a-1-hSD@5 Acquired: 4/10/2012 15:52:13 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**7.6249**	**.00659**	**.00027**	**.10040**	**.00073**	**-.00452**	**10.880**	**.00025**	**.01168**
Stddev	.00040	.0260	.00245	.00010	.00124	.00007	.00185	.071	.00004	.00017
%RSD	34.967	.34080	37.220	35.462	1.2339	10.064	40.909	.65515	17.140	1.4263
#1	.00141	7.6065	.00833	.00020	.09953	.00068	-.00583	10.830	.00022	.01180
#2	.00085	7.6432	.00486	.00034	.10128	.00079	-.00321	10.930	.00028	.01156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00831**	**.02675**	**33.195**	**.95256**	**.00936**	**5.1347**	**.34553**	**-.00011**	**.57154**	**.01066**
Stddev	.00001	.00024	.260	.00657	.00213	.0056	.00019	.00001	.01992	.00022
%RSD	.06330	.89842	.78474	.68945	22.798	.11007	.05432	4.4924	3.4858	2.0538
#1	.00831	.02692	33.010	.94792	.01087	5.1307	.34540	-.00011	.55745	.01050
#2	.00831	.02658	33.379	.95721	.00785	5.1387	.34567	-.00012	.58562	.01081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4344**	**.00521**	**.18221**	**-.00355**	**.00177**	**.58576**	**1.2535**	**.00091**	**.04264**	**.00388**
Stddev	.0080	.00188	.00139	.00172	.00182	.00192	.0041	.00002	.00039	.00161
%RSD	.56143	36.094	.76198	48.521	103.20	.32814	.32814	2.1248	.90403	41.442
#1	1.4287	.00388	.18319	-.00477	.00306	.58712	1.2564	.00090	.04237	.00501
#2	1.4401	.00653	.18123	-.00233	.00048	.58440	1.2506	.00092	.04291	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4371**	**-.00042**	**.00703**	**.07447**	**.05289**	**.03357**
Stddev	.0052	.00011	.00253	.00027	.00006	.00448
%RSD	.21507	24.922	35.967	.36857	.10922	13.344
#1	2.4334	-.00050	.00524	.07428	.05285	.03674
#2	2.4408	-.00035	.00882	.07467	.05293	.03040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4242.6**	**65704.**	**6128.1**
Stddev	9.7	133.	29.5
%RSD	.22784	.20314	.48067
#1	4249.4	65610.	6148.9
#2	4235.7	65799.	6107.2

Sample Name: 280-27310-a-1-i du Acquired: 4/10/2012 15:54:34 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**48.117**	**.01288**	**.00140**	**.71759**	**.00475**	**-.01185**	**60.217**	**.00131**	**.06987**
Stddev	.00003	.006	.00356	.00042	.00089	.00001	.00051	.080	.00001	.00016
%RSD	5.0046	.01243	27.669	29.659	.12433	.16897	4.3201	.13207	.51452	.23168
#1	.00058	48.113	.01036	.00170	.71696	.00475	-.01221	60.161	.00130	.06975
#2	.00063	48.122	.01540	.00111	.71822	.00474	-.01149	60.274	.00131	.06998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03509**	**.15123**	**213.23**	**4.6667**	**.04672**	**39.680**	**2.6358**	**-.00002**	**3.7753**	**.05480**
Stddev	.00022	.00029	.49	.0307	.00197	.069	.0068	.00029	.0139	.00005
%RSD	.61780	.19413	.22888	.65781	4.2117	.17478	.25732	1664.2	.36771	.09004
#1	.03493	.15144	212.88	4.6450	.04811	39.729	2.6406	-.00023	3.7655	.05483
#2	.03524	.15102	213.57	4.6884	.04533	39.631	2.6310	.00019	3.7851	.05476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.351**	**.01936**	**.52782**	**-.00476**	**-.00320**	**2.1991**	**4.7061**	**.00647**	**.28632**	**.01680**
Stddev	.035	.00072	.00075	.00063	.00249	.0534	.1143	.00058	.00009	.00136
%RSD	.33825	3.7102	.14136	13.146	77.581	2.4283	2.4283	8.9371	.03056	8.0690
#1	10.376	.01987	.52729	-.00432	-.00496	2.1613	4.6252	.00606	.28638	.01775
#2	10.327	.01886	.52835	-.00520	-.00145	2.2369	4.7869	.00688	.28626	.01584
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.831**	**-.00078**	W **-.05160**	**.46112**	**.34553**	**.21833**
Stddev	.034	.00020	.01085	.00141	.00035	.00076
%RSD	.22600	25.513	21.033	.30640	.10028	.34859
#1	14.854	-.00064	-.04393	.46211	.34528	.21779
#2	14.807	-.00092	-.05927	.46012	.34577	.21887
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4522.4**	**69693.**	**6771.0**
Stddev	.4	207.	29.9
%RSD	.00906	.29770	.44201
#1	4522.1	69546.	6749.8
#2	4522.7	69840.	6792.1

Sample Name: 280-27310-a-1-j ms Acquired: 4/10/2012 15:56:58 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05060**	**54.087**	**.87213**	**.84726**	**2.3769**	**.04868**	F **1.8882**	**102.85**	**.09374**	**.50547**
Stddev	.00151	2.655	.00248	.00065	.1158	.00245	.0028	5.14	.00025	.00235
%RSD	2.9782	4.9081	.28402	.07659	4.8698	5.0277	.14654	4.9929	.26342	.46406
#1	.05166	55.964	.87038	.84772	2.4587	.05041	1.8902	106.48	.09391	.50381
#2	.04953	52.210	.87388	.84680	2.2950	.04695	1.8863	99.218	.09356	.50713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24249**	**.40733**	**221.69**	**55.540**	**.99639**	**83.224**	**3.0755**	**.88685**	**55.174**	**.50339**
Stddev	.00069	.01046	10.60	2.798	.04553	2.866	.0825	.00117	2.776	.00148
%RSD	.28369	2.5669	4.7830	5.0388	4.5694	3.4432	2.6830	.13215	5.0309	.29426
#1	.24200	.41472	229.18	57.518	1.0286	85.250	3.1339	.88602	57.137	.50234
#2	.24298	.39993	214.19	53.561	.96419	81.198	3.0172	.88767	53.212	.50444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.544**	**.43008**	**.71804**	**.33438**	**1.8319**	**5.6225**	**12.032**	**1.7218**	**1.2056**	**.97979**
Stddev	.049	.00008	.00251	.00004	.0116	.2514	.538	.0100	.0587	.02583
%RSD	.26605	.01776	.34918	.01326	.63279	4.4719	4.4719	.57840	4.8706	2.6367
#1	18.509	.43014	.71626	.33434	1.8238	5.8003	12.413	1.7147	1.2471	.99805
#2	18.579	.43003	.71981	.33441	1.8401	5.4447	11.652	1.7288	1.1640	.96152
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.996**	**1.7344**	**1.8989**	**1.0768**	**.76591**	**.64891**
Stddev	.525	.0056	.0702	.0336	.03167	.03758
%RSD	3.2850	.32014	3.6943	3.1211	4.1353	5.7918
#1	16.368	1.7304	1.9485	1.1005	.78831	.67549
#2	15.625	1.7383	1.8493	1.0530	.74352	.62234
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4339.8**	**66246.**	**6776.4**
Stddev	10.0	1865.	206.5
%RSD	.23107	2.8148	3.0475
#1	4346.9	64928.	6630.4
#2	4332.7	67565.	6922.5

Sample Name: CCVH-1351956 Acquired: 4/10/2012 15:59:19 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**53.957**	**.00313**	**.00156**	**.00065**	**.00008**	**1.0128**	**.00006**	**-.00003**	**.00019**	**.00021**	**.00181**	**54.399**
Stddev	.00017	.013	.00261	.00003	.00024	.00004	.0004	.00100	.00014	.00008	.00015	.00007	.250
%RSD	8.8933	.02381	83.387	1.9041	36.493	52.981	.03771	1757.4	553.27	39.616	68.335	3.9855	.45991
#1	.00179	53.967	.00497	.00154	.00082	.00005	1.0125	-.00065	.00008	.00014	.00032	.00176	54.222
#2	.00203	53.948	.00128	.00158	.00048	.00011	1.0130	.00077	-.00013	.00024	.00011	.00186	54.576
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05813**	**.00168**	**.02190**	**.00001**	**.00091**	F **276.40**	**.00142**	**-.00108**	**-.00122**	**5.0475**	**-.00183**	**.00069**	**.01598**
Stddev	.01757	.00240	.00019	.00003	.00083	.35	.00005	.00251	.00063	.0125	.00232	.00021	.01562
%RSD	30.225	142.92	.87269	314.20	91.087	.12688	3.8128	232.87	51.847	.24744	127.08	30.010	97.764
#1	.07055	.00338	.02204	-.00001	.00032	276.15	.00146	-.00286	-.00077	5.0386	-.00347	.00054	.02702
#2	.04570	-.00002	.02177	.00003	.00150	276.65	.00138	.00070	-.00166	5.0563	-.00019	.00083	.00493
Check ?	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None	None	None
Value						250.00							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03419**	**.00236**	**.00035**	**5.0985**	**.00752**	**.00053**	**10.087**	**.00134**	**.00112**	**.01185**
Stddev	.03343	.00080	.00001	.0338	.00014	.00071	.046	.00016	.00005	.00422
%RSD	97.764	33.854	1.8648	.66197	1.8838	135.40	.45472	11.807	4.1635	35.578
#1	.05783	.00180	.00036	5.1223	.00742	.00002	10.120	.00145	.00116	.00887
#2	.01056	.00293	.00035	5.0746	.00762	.00103	10.055	.00123	.00109	.01483
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4036.2**	**61853.**	**6050.8**
Stddev	.9	277.	11.5
%RSD	.02112	.44730	.19056
#1	4036.9	61658.	6042.7
#2	4035.6	62049.	6059.0

Sample Name: CCV-1351954 Acquired: 4/10/2012 16:01:42 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51847**	**.49400**	**.93943**	**.49747**	**.54875**	**.50802**	**-.00191**	**5.1760**	**.50949**	**.50228**	**.50566**	**.52240**	**2.7355**
Stddev	.00149	.00094	.00054	.00029	.00087	.00014	.00089	.0007	.00012	.00074	.00005	.00124	.0029
%RSD	.28709	.19004	.05769	.05805	.15906	.02793	46.622	.01327	.02358	.14692	.00976	.23643	.10773
#1	.51741	.49467	.93905	.49767	.54936	.50812	-.00128	5.1755	.50941	.50175	.50563	.52153	2.7376
#2	.51952	.49334	.93981	.49726	.54813	.50792	-.00254	5.1765	.50958	.50280	.50570	.52327	2.7334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.427**	**1.0794**	**19.813**	**.51050**	**.50132**	**5.2412**	**.50337**	**.96659**	**.94018**	**.01693**	**.98853**	**1.0412**	**5.1242**
Stddev	.050	.0005	.040	.00136	.00060	.0274	.00017	.00505	.00246	.00332	.00340	.0036	.0091
%RSD	.09270	.04714	.20070	.26565	.11884	.52352	.03308	.52207	.26185	19.607	.34367	.34820	.17668
#1	54.392	1.0798	19.785	.50954	.50174	5.2218	.50348	.96302	.94192	.01928	.98613	1.0438	5.1306
#2	54.463	1.0790	19.841	.51146	.50090	5.2606	.50325	.97016	.93844	.01458	.99093	1.0387	5.1177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.966**	**1.0205**	**.53480**	**-.00246**	**.49851**	**1.0491**	**-.00792**	**.50784**	**.47736**	**.53757**
Stddev	.019	.0010	.00144	.00068	.00183	.0020	.02455	.00337	.00394	.00106
%RSD	.17668	.09511	.26944	27.636	.36720	.19326	309.90	.66365	.82506	.19752
#1	10.979	1.0198	.53582	-.00294	.49721	1.0506	-.02528	.50545	.47457	.53832
#2	10.952	1.0211	.53379	-.00198	.49980	1.0477	.00944	.51022	.48014	.53682
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4113.9**	**63259.**	**6048.5**
Stddev	3.8	32.	13.6
%RSD	.09184	.05117	.22503
#1	4111.2	63282.	6058.2
#2	4116.5	63236.	6038.9

Sample Name: CCB Acquired: 4/10/2012 16:03:54 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00116**	**.00012**	**.00057**	**.00011**	**.00029**	**.00001**	**-.00441**	**-.00533**	**.00004**	**-.00014**	**-.00002**
Stddev	.00029	.00026	.00148	.00029	.00019	.00004	.00049	.00117	.00005	.00033	.00009
%RSD	24.774	212.11	258.26	271.63	63.091	336.79	11.046	21.885	137.02	244.44	446.34
#1	.00096	-.00006	.00162	-.00010	.00016	.00004	-.00475	-.00615	.00000	-.00037	-.00009
#2	.00137	.00031	-.00047	.00031	.00042	-.00002	-.00407	-.00450	.00007	.00010	.00005
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00178**	**-.00135**	**.08439**	**.00074**	**.00436**	**.00005**	**.00092**	**.02265**	**-.00019**	**-.00070**	**.00062**
Stddev	.00000	.00158	.00726	.00119	.00083	.00005	.00048	.00245	.00024	.00076	.00090
%RSD	.05234	117.68	8.5993	160.48	19.094	109.81	52.023	10.823	125.27	109.04	146.28
#1	-.00178	-.00023	.08952	.00159	.00377	.00001	.00058	.02439	-.00036	-.00016	.00126
#2	-.00178	-.00247	.07926	-.00010	.00495	.00009	.00126	.02092	-.00002	-.00124	-.00002
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01138**	**-.00083**	**-.00035**	**-.00761**	**-.01628**	**.00165**	**.00004**	**.00003**	**.00023**	**-.00069**	**.01182**
Stddev	.00160	.00158	.00051	.01507	.03225	.00056	.00001	.00050	.00004	.00050	.01175
%RSD	14.022	191.27	143.41	198.15	198.15	34.190	23.594	1595.2	18.108	71.290	99.345
#1	.01251	.00029	-.00071	.00305	.00653	.00125	.00003	.00038	.00020	-.00034	.00352
#2	.01025	-.00195	.00000	-.01826	-.03909	.00205	.00004	-.00032	.00026	-.00104	.02013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00010**	**.00113**	**.00154**
Stddev	.00038	.00011	.00025
%RSD	362.87	10.028	16.513
#1	.00037	.00105	.00172
#2	-.00016	.00121	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4145.3**	**65019.**	**5997.8**
Stddev	2.2	455.	49.6
%RSD	.05334	.69965	.82649
#1	4143.7	64697.	5962.7
#2	4146.8	65340.	6032.8

Sample Name: CCVL1351959 Acquired: 4/10/2012 16:06:20 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01142**	**.10396**	**.01702**	**.09267**	**.01154**	**.00095**	**.10443**	**.20942**	**.00509**	**.01023**	**.01029**	**.01398**	**.11164**
Stddev	.00001	.00037	.00069	.00083	.00012	.00002	.00082	.00224	.00014	.00015	.00006	.00036	.00101
%RSD	.08395	.35577	4.0512	.89477	1.0354	1.9098	.78169	1.0687	2.7975	1.4914	.59255	2.5493	.90767
#1	.01142	.10370	.01751	.09209	.01146	.00096	.10501	.21101	.00519	.01034	.01025	.01424	.11236
#2	.01141	.10422	.01653	.09326	.01163	.00094	.10385	.20784	.00499	.01012	.01034	.01373	.11092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4030**	**.01105**	**.20651**	**.01061**	**.01982**	**1.1002**	**.04123**	**2.6942**	**.01017**	**.01340**	F **.00592**	**.01425**	**.49612**
Stddev	.0238	.00101	.00044	.00004	.00044	.0013	.00010	.0049	.00012	.00122	.00204	.00493	.01153
%RSD	.69843	9.1541	.21455	.35995	2.2049	.12158	.23324	.18209	1.1338	9.0807	34.416	34.604	2.3237
#1	3.3862	.01176	.20682	.01058	.01951	1.1012	.04116	2.6907	.01025	.01426	.00736	.01774	.48797
#2	3.4198	.01033	.20620	.01064	.02013	1.0993	.04130	2.6976	.01008	.01254	.00448	.01076	.50427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0617**	**.10049**	**.01101**	**.01477**	**.00970**	**.01568**	F **.08411**	**.00997**	**.02090**	**.01631**
Stddev	.0247	.00022	.00010	.00114	.00025	.00077	.00874	.00018	.00022	.00154
%RSD	2.3237	.21739	.93203	7.7018	2.5875	4.9118	10.397	1.8086	1.0527	9.4646
#1	1.0443	.10033	.01093	.01397	.00988	.01514	.09029	.01010	.02105	.01740
#2	1.0791	.10064	.01108	.01558	.00952	.01623	.07793	.00984	.02074	.01522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4183.1**	**65080.**	**6030.8**
Stddev	.3	73.	3.3
%RSD	.00764	.11214	.05404
#1	4182.9	65131.	6033.1
#2	4183.3	65028.	6028.5

Sample Name: 280-27310-a-2-h Acquired: 4/10/2012 16:08:44 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**85.681**	**.02638**	**.01444**	**.84425**	**.00490**	**-.00777**	**38.397**	**.00093**	**.07439**
Stddev	.00003	.288	.00255	.00058	.00138	.00001	.00179	.058	.00008	.00066
%RSD	3.1007	.33582	9.6696	4.0136	.16318	.15074	23.037	.15018	8.5039	.88202
#1	.00086	85.885	.02819	.01485	.84522	.00490	-.00651	38.438	.00088	.07486
#2	.00090	85.478	.02458	.01403	.84328	.00491	-.00904	38.356	.00099	.07393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10461**	**.13452**	**217.39**	**17.934**	**.07289**	**32.661**	**3.0300**	**.00091**	**2.1695**	**.09294**
Stddev	.00058	.00101	.48	.009	.00231	.170	.0209	.00039	.0096	.00037
%RSD	.55045	.75224	.22022	.04972	3.1699	.52144	.68857	42.684	.44453	.39415
#1	.10501	.13381	217.72	17.928	.07126	32.540	3.0447	.00063	2.1763	.09268
#2	.10420	.13524	217.05	17.941	.07453	32.781	3.0152	.00118	2.1627	.09320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.0010**	**.03928**	**.42525**	**-.00225**	**-.00247**	**4.7032**	**10.065**	**.00732**	**.25281**	**.03301**
Stddev	.0010	.00169	.00134	.00004	.00132	.0147	.032	.00159	.00039	.00170
%RSD	.01278	4.3046	.31544	1.8505	53.298	.31316	.31316	21.695	.15346	5.1627
#1	8.0002	.03808	.42620	-.00222	-.00341	4.7136	10.087	.00620	.25309	.03180
#2	8.0017	.04047	.42431	-.00228	-.00154	4.6928	10.043	.00844	.25254	.03421
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.962**	**-.00076**	W **-.07180**	**.48793**	**.36596**	**.19373**
Stddev	.102	.00019	.00208	.00021	.00049	.00201
%RSD	.92744	24.686	2.8976	.04383	.13297	1.0394
#1	10.891	-.00089	-.07032	.48778	.36562	.19230
#2	11.034	-.00063	-.07327	.48808	.36631	.19515
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4390.7**	**67676.**	**6619.5**
Stddev	3.4	255.	38.1
%RSD	.07684	.37662	.57504
#1	4393.1	67856.	6592.6
#2	4388.3	67496.	6646.4

Sample Name: 280-27310-a-3-h Acquired: 4/10/2012 16:11:11 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**103.48**	**.02830**	**.02953**	**.90846**	**.00513**	**-.00911**	**38.376**	**.00124**	**.07142**
Stddev	.00012	.26	.00031	.00033	.00009	.00007	.00156	.109	.00001	.00004
%RSD	9.6128	.25143	1.0884	1.1049	.00997	1.3021	17.170	.28456	.50203	.05390
#1	.00121	103.66	.02808	.02976	.90839	.00517	-.00801	38.453	.00125	.07145
#2	.00139	103.30	.02852	.02930	.90852	.00508	-.01022	38.299	.00124	.07139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13730**	**.14460**	**213.20**	**24.099**	**.08317**	**43.367**	**3.3098**	**.00098**	**2.8395**	**.13827**
Stddev	.00003	.00029	.78	.043	.00076	.007	.0107	.00009	.0062	.00026
%RSD	.02331	.20245	.36447	.17786	.91260	.01618	.32462	9.3905	.21925	.18581
#1	.13728	.14481	213.75	24.129	.08370	43.362	3.3022	.00092	2.8439	.13809
#2	.13732	.14439	212.65	24.069	.08263	43.372	3.3174	.00105	2.8351	.13845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.2907**	**.04447**	**.39606**	**-.00309**	**-.00393**	**7.4143**	**15.867**	**.00754**	**.28942**	**.03657**
Stddev	.0036	.00151	.00252	.00045	.00333	.1154	.247	.00083	.00045	.00126
%RSD	.05652	3.3892	.63698	14.602	84.832	1.5562	1.5562	10.969	.15535	3.4327
#1	6.2933	.04553	.39784	-.00277	-.00628	7.3327	15.692	.00812	.28974	.03568
#2	6.2882	.04340	.39428	-.00341	-.00157	7.4959	16.041	.00695	.28910	.03746
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.840**	**-.00010**	W **-.08217**	**.41565**	**.40025**	**.19417**
Stddev	.021	.00021	.01319	.00024	.00102	.00050
%RSD	.19175	197.54	16.054	.05724	.25587	.25862
#1	10.855	.00004	-.09150	.41581	.39953	.19452
#2	10.825	-.00025	-.07284	.41548	.40097	.19381
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4310.5**	**66377.**	**6434.4**
Stddev	6.9	195.	61.0
%RSD	.16057	.29433	.94753
#1	4305.6	66239.	6391.3
#2	4315.4	66516.	6477.5

Sample Name: 280-27310-a-4-f Acquired: 4/10/2012 16:13:39 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**47.747**	**.02192**	**.00217**	**.76044**	**.00640**	**-.01968**	**68.089**	**.00056**	**.09081**
Stddev	.00030	.129	.00397	.00008	.00003	.00010	.00262	.162	.00038	.00013
%RSD	77.252	.26936	18.096	3.5558	.00390	1.5565	13.334	.23725	67.791	.14288
#1	.00018	47.656	.01912	.00212	.76046	.00633	-.02154	67.975	.00083	.09090
#2	.00061	47.838	.02473	.00223	.76042	.00647	-.01783	68.203	.00029	.09072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06689**	**.17738**	**300.04**	**7.4909**	**.03903**	**39.731**	**3.3266**	**.00156**	**5.5487**	**.08327**
Stddev	.00015	.00078	.83	.0569	.00046	.328	.0215	.00020	.0319	.00050
%RSD	.22397	.44094	.27716	.75987	1.1662	.82523	.64528	12.636	.57507	.60424
#1	.06678	.17683	299.45	7.4507	.03936	39.499	3.3418	.00170	5.5713	.08292
#2	.06699	.17793	300.62	7.5312	.03871	39.963	3.3114	.00142	5.5262	.08363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.794**	**.02613**	**3.6660**	**-.00480**	**-.00387**	**2.6827**	**5.7410**	**.00847**	**.30128**	**.01623**
Stddev	.034	.00019	.0043	.00057	.00013	.0910	.1948	.00062	.00014	.00123
%RSD	.26229	.74485	.11676	11.890	3.3654	3.3925	3.3925	7.2856	.04529	7.6045
#1	12.770	.02599	3.6630	-.00521	-.00396	2.7471	5.8787	.00803	.30119	.01536
#2	12.818	.02627	3.6691	-.00440	-.00378	2.6183	5.6033	.00890	.30138	.01710
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.294**	**-.00107**	W **-.05901**	**.70505**	**.45474**	**.29654**
Stddev	.162	.00141	.01270	.00355	.00521	.00033
%RSD	.69612	132.43	21.520	.50282	1.1448	.11231
#1	23.180	-.00007	-.06799	.70254	.45106	.29630
#2	23.409	-.00207	-.05003	.70755	.45842	.29677
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4602.2**	**70836.**	**6743.2**
Stddev	7.6	148.	35.0
%RSD	.16549	.20882	.51957
#1	4607.6	70940.	6768.0
#2	4596.8	70731.	6718.4

Sample Name: 280-27310-a-4-f@5 Acquired: 4/10/2012 16:16:12 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**10.837**	**.00654**	**-.00016**	**.17218**	**.00146**	**-.00598**	**15.545**	**.00018**	**.02193**
Stddev	.00046	.009	.00336	.00082	.00037	.00003	.00277	.015	.00005	.00060
%RSD	46.544	.08534	51.302	514.22	.21306	2.1352	46.267	.09903	29.918	2.7356
#1	.00066	10.830	.00892	-.00074	.17244	.00149	-.00794	15.535	.00014	.02235
#2	.00130	10.843	.00417	.00042	.17192	.00144	-.00402	15.556	.00021	.02150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01542**	**.03946**	**68.657**	**1.6990**	**.00917**	**9.3881**	**.78361**	**.00000**	**1.2436**	**.01916**
Stddev	.00000	.00033	.316	.0266	.00165	.0390	.00340	.00028	.0026	.00030
%RSD	.00609	.82470	.46061	1.5655	17.966	.41569	.43392	5660.9	.21183	1.5519
#1	.01542	.03923	68.881	1.6802	.00801	9.3605	.78121	-.00019	1.2418	.01937
#2	.01541	.03969	68.433	1.7178	.01034	9.4157	.78601	.00020	1.2455	.01895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9005**	**.00573**	**.83278**	**-.00288**	**-.00219**	**.72304**	**1.5473**	**.00064**	**.06835**	**.00387**
Stddev	.0266	.00238	.00724	.00020	.00059	.03876	.0829	.00010	.00020	.00068
%RSD	.91767	41.524	.86981	6.8370	26.829	5.3604	5.3604	15.528	.29498	17.559
#1	2.9194	.00404	.83790	-.00302	-.00261	.69564	1.4887	.00071	.06849	.00339
#2	2.8817	.00741	.82765	-.00274	-.00178	.75045	1.6060	.00057	.06821	.00435
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3686**	**-.00079**	**-.01671**	**.16202**	**.10937**	**.06707**
Stddev	.0204	.00063	.00619	.00102	.00038	.00259
%RSD	.38064	80.465	37.031	.63209	.34664	3.8625
#1	5.3542	-.00124	-.02109	.16130	.10964	.06890
#2	5.3831	-.00034	-.01234	.16275	.10910	.06524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4257.5**	**65389.**	**6065.3**
Stddev	31.5	322.	6.2
%RSD	.73997	.49208	.10249
#1	4235.3	65616.	6060.9
#2	4279.8	65161.	6069.7

Sample Name: 280-27310-a-5-j Acquired: 4/10/2012 16:18:32 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**54.721**	**.02008**	**.00068**	**.57758**	**.00531**	**-.01388**	**67.876**	**.00053**	**.09367**
Stddev	.00004	.086	.00011	.00069	.00102	.00000	.00102	.397	.00012	.00007
%RSD	5.3507	.15664	.54743	102.31	.17681	.03613	7.3271	.58468	23.260	.07334
#1	.00065	54.782	.02015	.00019	.57830	.00531	-.01316	68.157	.00045	.09372
#2	.00070	54.660	.02000	.00117	.57686	.00531	-.01460	67.596	.00062	.09362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05222**	**.23347**	**270.18**	**6.3666**	**.05346**	**35.738**	**2.9315**	**.00178**	**2.4987**	**.07027**
Stddev	.00003	.00165	.83	.0297	.00091	.010	.0330	.00008	.0133	.00085
%RSD	.05632	.70832	.30647	.46597	1.7059	.02802	1.1245	4.5866	.53167	1.2101
#1	.05220	.23464	270.76	6.3876	.05282	35.730	2.9081	.00172	2.5081	.06967
#2	.05224	.23230	269.59	6.3456	.05410	35.745	2.9548	.00183	2.4893	.07087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.306**	**.02266**	**.96817**	**-.00586**	W **-.00680**	**2.0720**	**4.4341**	**.00669**	**.20873**	**.01893**
Stddev	.026	.00184	.00573	.00103	.00071	.0101	.0216	.00033	.00008	.00002
%RSD	.21121	8.1174	.59235	17.588	10.383	.48593	.48593	4.9449	.03894	.09611
#1	12.288	.02136	.96411	-.00513	-.00630	2.0649	4.4188	.00646	.20867	.01894
#2	12.325	.02396	.97222	-.00659	-.00730	2.0791	4.4493	.00692	.20879	.01892
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **17.961**	**-.00070**	W **-.06834**	**.65947**	**.39695**	**.24214**
Stddev	.026	.00042	.01340	.00068	.00090	.00075
%RSD	.14246	59.647	19.605	.10285	.22566	.30822
#1	17.943	-.00040	-.07781	.65995	.39758	.24161
#2	17.979	-.00099	-.05886	.65899	.39631	.24267
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4532.3**	**69727.**	**6706.9**
Stddev	6.0	20.	61.3
%RSD	.13145	.02886	.91350
#1	4528.1	69741.	6663.5
#2	4536.5	69713.	6750.2

Sample Name: 280-27352-a-1-d@5 Acquired: 4/10/2012 16:21:01 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**12.075**	**-.00329**	W **18.070**	**.00138**	**-.00004**	**-.00325**	**1.1987**	**.00014**	**-.00089**
Stddev	.00012	.005	.00224	.025	.00008	.00000	.00217	.0133	.00009	.00043
%RSD	12.014	.04367	68.122	.13657	5.8846	7.2652	66.696	1.1111	67.147	47.643
#1	.00107	12.079	-.00170	18.053	.00132	-.00004	-.00172	1.2081	.00007	-.00059
#2	.00090	12.071	-.00487	18.088	.00144	-.00004	-.00478	1.1893	.00020	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00454**	**.02880**	**.09620**	**3.6823**	**.00648**	**.03677**	**.00063**	**.00884**	W **2691.2**	**.06462**
Stddev	.00009	.00044	.00025	.1451	.00094	.00186	.00003	.00031	7.9	.00030
%RSD	2.0243	1.5367	.25946	3.9396	14.510	5.0634	4.0183	3.5273	.29262	.45802
#1	.00461	.02848	.09602	3.5798	.00581	.03809	.00062	.00862	2696.8	.06441
#2	.00448	.02911	.09637	3.7849	.00714	.03546	.00065	.00906	2685.7	.06483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26821**	**-.00075**	F **1285.3**	**.00453**	**.00148**	**.04526**	**.09685**	**-.00036**	**.03047**	**-.00253**
Stddev	.00215	.00051	1.0	.00124	.00000	.01048	.02242	.00114	.00016	.00118
%RSD	.80294	68.422	.07425	27.339	.09152	23.152	23.152	319.26	.52090	46.592
#1	.26973	-.00111	1285.9	.00541	.00148	.03785	.08100	-.00116	.03059	-.00170
#2	.26668	-.00038	1284.6	.00366	.00148	.05267	.11271	.00045	.03036	-.00337
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00665**	**-.00136**	**.00118**	**.00371**	**.00326**	**.01317**
Stddev	.00032	.00294	.00183	.00081	.00065	.00143
%RSD	4.8101	216.88	155.51	21.934	19.997	10.841
#1	.00643	-.00344	-.00012	.00314	.00372	.01418
#2	.00688	.00072	.00248	.00429	.00280	.01216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3533.5**	**52527.**	**5701.4**
Stddev	1.6	161.	26.5
%RSD	.04502	.30662	.46399
#1	3532.4	52641.	5682.7
#2	3534.6	52413.	5720.1

Sample Name: 280-27378-a-1-bPDS Acquired: 4/10/2012 16:23:28 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114665 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05283	1.5750	.19308	.13623	.32193	.05100	-.00399	26.588	.05131	.04936
Stddev	.00046	.0025	.00548	.00284	.00143	.00021	.00120	.074	.00012	.00016
%RSD	.86690	.16112	2.8374	2.0842	.44428	.41798	30.078	.27926	.23750	.32088
#1	.05250	1.5767	.18920	.13824	.32294	.05115	-.00484	26.641	.05123	.04925
#2	.05315	1.5732	.19695	.13423	.32091	.05085	-.00314	26.536	.05140	.04947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05884	.05907	12.991	22.156	.11203	19.898	.16015	.05096	216.25	.05468
Stddev	.00018	.00033	.052	.176	.00046	.177	.00096	.00017	1.20	.00041
%RSD	.31169	.55457	.39868	.79378	.40901	.89122	.59783	.34229	.55631	.75737
#1	.05871	.05884	13.028	22.280	.11171	20.024	.16083	.05108	217.10	.05439
#2	.05897	.05931	12.955	22.031	.11235	19.773	.15948	.05084	215.40	.05498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9622	.17385	.10237	.09892	.20448	7.6861	16.448	.10371	.20100	.20494
Stddev	.0134	.00098	.00051	.00124	.00106	.0342	.073	.00097	.00074	.00028
%RSD	.68164	.56158	.50032	1.2503	.51931	.44490	.44490	.93520	.36978	.13621
#1	1.9528	.17454	.10273	.09804	.20373	7.7103	16.500	.10439	.20153	.20514
#2	1.9717	.17316	.10201	.09979	.20523	7.6619	16.397	.10302	.20048	.20475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06558	.19473	.52509	.05243	.43680	.05694
Stddev	.00022	.00151	.02240	.00052	.00610	.00031
%RSD	.34257	.77558	4.2664	.99442	1.3972	.53723
#1	.06574	.19580	.54093	.05279	.44112	.05716
#2	.06542	.19366	.50925	.05206	.43249	.05673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3912.8	60067.	5855.6
Stddev	10.9	431.	24.6
%RSD	.27940	.71809	.42035
#1	3920.6	59762.	5838.2
#2	3905.1	60372.	5873.0

Sample Name: CCVH-1351956 Acquired: 4/10/2012 16:25:46 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**54.051**	**.00061**	**.00978**	**.00033**	**-.00002**	**1.0063**	**-.00732**	**.00003**	**.00015**	**.00039**	**.00230**	**54.452**
Stddev	.00029	.003	.00311	.00025	.00009	.00000	.0004	.00291	.00002	.00011	.00019	.00047	.081
%RSD	21.035	.00477	512.21	2.5086	28.693	11.563	.04195	39.818	56.580	69.529	49.118	20.322	.14840
#1	.00119	54.053	.00281	.00996	.00039	-.00003	1.0060	-.00526	.00002	.00023	.00026	.00263	54.395
#2	.00160	54.050	-.00159	.00961	.00026	-.00002	1.0066	-.00938	.00004	.00008	.00053	.00197	54.509
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35681**	**.00133**	**.01833**	**-.00002**	**-.00060**	F **276.47**	**.00166**	**.00077**	**-.00304**	**5.0575**	**-.00586**	**.00351**	**.01031**
Stddev	.01196	.00024	.00419	.00000	.00013	.33	.00008	.00076	.00217	.0068	.00073	.00215	.01500
%RSD	3.3522	18.060	22.841	2.8662	21.494	.11832	4.5717	99.788	71.309	.13512	12.375	61.311	145.48
#1	.34835	.00116	.02129	-.00002	-.00051	276.24	.00161	.00023	-.00151	5.0527	-.00535	.00503	-.00030
#2	.36526	.00150	.01537	-.00002	-.00070	276.70	.00172	.00131	-.00457	5.0623	-.00637	.00199	.02092
Check ?	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None	None	None
Value						250.00							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02207**	**.00158**	**.00034**	**5.0824**	**.00325**	**.00029**	**10.005**	**.00164**	**.00082**	**.01392**
Stddev	.03211	.00031	.00003	.0200	.00030	.00211	.031	.00011	.00023	.00076
%RSD	145.48	19.398	9.0839	.39449	9.3095	716.83	.30703	6.8923	27.757	5.4525
#1	-.00063	.00136	.00032	5.0682	.00347	.00178	10.027	.00172	.00098	.01446
#2	.04478	.00179	.00036	5.0966	.00304	-.00120	9.9838	.00156	.00066	.01339
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.1**	**61008.**	**5836.3**
Stddev	2.1	462.	8.0
%RSD	.05142	.75749	.13743
#1	3990.6	61335.	5842.0
#2	3993.5	60681.	5830.7

Sample Name: CCV-1351954 Acquired: 4/10/2012 16:28:05 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51282**	**.49663**	**.92865**	**.49782**	**.54307**	**.50579**	**-.00183**	**5.1867**	**.50582**	**.50118**	**.50460**	**.51717**	**2.7103**
Stddev	.00367	.00086	.00616	.00030	.00136	.00358	.00013	.0367	.00138	.00045	.00014	.00298	.0019
%RSD	.71576	.17386	.66306	.06069	.24988	.70823	6.9819	.70770	.27315	.08994	.02849	.57678	.07098
#1	.51541	.49602	.92430	.49761	.54211	.50326	-.00192	5.1607	.50484	.50086	.50470	.51928	2.7090
#2	.51022	.49724	.93300	.49804	.54403	.50832	-.00174	5.2126	.50680	.50150	.50449	.51507	2.7117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.460**	**1.0777**	**19.781**	**.50817**	**.50020**	**5.4239**	**.50158**	**.95425**	**.94063**	**.04646**	**.97420**	**1.0222**	**5.1521**
Stddev	.160	.0054	.176	.00399	.00041	.0055	.00132	.00409	.00427	.00436	.00198	.0059	.0068
%RSD	.29326	.49992	.89019	.78525	.08155	.10170	.26239	.42832	.45444	9.3781	.20307	.57936	.13187
#1	54.347	1.0739	19.905	.51099	.49991	5.4278	.50065	.95136	.93761	.04954	.97280	1.0264	5.1569
#2	54.573	1.0816	19.656	.50535	.50049	5.4200	.50251	.95714	.94366	.04338	.97560	1.0180	5.1473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.026**	**1.0179**	**.52998**	**-.00087**	**.49704**	**1.0456**	**.02172**	**.50857**	**.48243**	**.54054**
Stddev	.015	.0031	.00239	.00071	.00430	.0001	.00790	.00417	.00358	.00408
%RSD	.13187	.30669	.45087	81.716	.86419	.01331	36.353	.82023	.74264	.75479
#1	11.036	1.0201	.52829	-.00138	.50008	1.0455	.02731	.51152	.48497	.53766
#2	11.015	1.0157	.53167	-.00037	.49400	1.0457	.01614	.50562	.47990	.54343
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.9**	**62361.**	**5795.4**
Stddev	.6	301.	1.6
%RSD	.01392	.48231	.02701
#1	4050.5	62149.	5794.3
#2	4051.3	62574.	5796.6

Sample Name: CCB Acquired: 4/10/2012 16:30:17 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00056**	**.00303**	W **.00478**	**.00031**	**.00002**	**-.00239**	**-.00309**	**.00013**	**-.00013**	**-.00002**
Stddev	.00040	.00010	.00208	.00017	.00010	.00003	.00142	.00221	.00007	.00030	.00010
%RSD	47.793	17.716	68.690	3.4554	30.866	157.34	59.623	71.524	53.870	224.46	647.74
#1	.00055	.00063	.00156	.00489	.00038	.00000	-.00339	-.00466	.00008	-.00035	.00006
#2	.00112	.00049	.00451	.00466	.00024	.00004	-.00138	-.00153	.00018	.00008	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437							
Low Limit				-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00194**	**.00117**	**.18610**	**.00082**	**.00435**	**.00003**	**.00067**	W **.17241**	**-.00009**	**-.00019**	**.00029**
Stddev	.00041	.00217	.05947	.00075	.00095	.00000	.00039	.01162	.00003	.00111	.00073
%RSD	21.103	184.87	31.956	91.062	21.949	9.4633	58.159	6.7409	40.324	597.35	249.68
#1	-.00165	.00271	.22815	.00135	.00367	.00003	.00039	.18063	-.00006	.00060	-.00022
#2	-.00222	-.00036	.14405	.00029	.00502	.00003	.00095	.16419	-.00011	-.00097	.00081
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03657**	**-.00137**	**.00224**	**.00403**	**.00862**	**.00133**	**.00006**	**-.00096**	**.00026**	**-.00072**	**.02834**
Stddev	.00367	.00326	.00471	.01749	.03742	.00118	.00001	.00130	.00002	.00203	.00943
%RSD	10.030	237.91	210.48	434.09	434.09	88.316	17.367	134.44	6.9245	279.84	33.272
#1	.03398	.00093	-.00109	.01639	.03508	.00050	.00006	-.00005	.00027	.00071	.02167
#2	.03917	-.00367	.00557	-.00834	-.01784	.00216	.00005	-.00188	.00024	-.00216	.03500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00014**	**.00107**	**.00046**
Stddev	.00026	.00030	.00065
%RSD	194.91	27.798	142.67
#1	-.00005	.00086	.00092
#2	.00032	.00128	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4085.3**	**64010.**	**5808.5**
Stddev	10.1	93.	24.9
%RSD	.24645	.14463	.42842
#1	4078.1	63944.	5826.1
#2	4092.4	64075.	5790.9

Sample Name: CCVL1351959 Acquired: 4/10/2012 16:32:43 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01143**	**.10170**	**.01508**	**.09754**	**.01133**	**.00106**	**.10561**	**.20717**	**.00508**	**.01000**	**.01022**	**.01397**	**.10763**	**3.4697**
Stddev	.00001	.00010	.00226	.00010	.00005	.00004	.00130	.00462	.00017	.00009	.00012	.00025	.00073	.0196
%RSD	.09190	.09730	14.992	.10106	.40087	3.4412	1.2315	2.2290	3.3734	.94924	1.1881	1.8076	.68172	.56615
#1	.01142	.10177	.01668	.09761	.01136	.00109	.10653	.21044	.00520	.00994	.01031	.01415	.10711	3.4558
#2	.01144	.10163	.01348	.09747	.01130	.00104	.10469	.20390	.00496	.01007	.01014	.01379	.10815	3.4836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01288**	**.20451**	**.01042**	**.01948**	**1.2171**	**.04027**	**2.7221**	**.00930**	**.03679**	**.00737**	**.01781**	**.51207**	**1.0958**	**.10213**
Stddev	.00092	.00053	.00001	.00012	.0011	.00041	.0002	.00104	.00443	.00027	.00023	.00334	.0072	.00128
%RSD	7.1738	.26074	.04831	.59828	.09305	1.0112	.00646	11.225	12.050	3.6958	1.2952	.65240	.65240	1.2518
#1	.01353	.20413	.01042	.01940	1.2163	.03999	2.7223	.01004	.03366	.00757	.01798	.50971	1.0908	.10303
#2	.01222	.20488	.01043	.01957	1.2179	.04056	2.7220	.00856	.03992	.00718	.01765	.51444	1.1009	.10122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.01470**	**.00960**	**.01481**	**.06553**	**.01000**	**.02001**	**.01556**
Stddev	.00014	.00073	.00042	.00017	.00082	.00008	.00060	.00317
%RSD	1.2623	4.9956	4.4139	1.1482	1.2513	.75743	2.9853	20.344
#1	.01089	.01418	.00990	.01493	.06496	.01006	.02043	.01332
#2	.01070	.01522	.00930	.01468	.06611	.00995	.01959	.01780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4146.6**	**64417.**	**5847.8**
Stddev	13.6	230.	19.2
%RSD	.32748	.35700	.32869
#1	4137.0	64580.	5834.2
#2	4156.2	64254.	5861.4

Sample Name: 280-27357-a-1-a@5 Acquired: 4/10/2012 16:35:07 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**46.695**	**.01673**	**.01320**	**.52095**	**.00446**	**-.00208**	**11.521**	**.00019**	**.01387**
Stddev	.00026	.356	.00311	.00005	.00427	.00003	.00240	.124	.00004	.00037
%RSD	113.96	.76145	18.560	.38501	.81917	.71480	115.04	1.0800	21.633	2.6657
#1	.00004	46.946	.01454	.01316	.52396	.00444	-.00378	11.609	.00022	.01361
#2	.00041	46.443	.01893	.01323	.51793	.00448	-.00039	11.433	.00016	.01414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03539**	**.03406**	**53.011**	**7.3616**	**.04462**	**11.755**	**.38535**	**.00223**	**1.0595**	**.02145**
Stddev	.00099	.00034	.452	.0530	.00231	.049	.00155	.00004	.0074	.00035
%RSD	2.7907	1.0057	.85321	.71982	5.1658	.42037	.40140	1.8521	.69626	1.6280
#1	.03469	.03430	53.331	7.3991	.04299	11.790	.38645	.00226	1.0647	.02120
#2	.03609	.03382	52.691	7.3242	.04625	11.720	.38426	.00220	1.0543	.02170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.86764**	**.03940**	**.21546**	**-.00386**	W **-.00518**	**.65302**	**1.3975**	**.00630**	**.17785**	**.05102**
Stddev	.02160	.00107	.00656	.00249	.00100	.01212	.0259	.00014	.00157	.00057
%RSD	2.4893	2.7197	3.0436	64.457	19.278	1.8564	1.8564	2.1445	.88072	1.1104
#1	.85237	.03864	.21082	-.00562	-.00448	.66160	1.4158	.00620	.17896	.05142
#2	.88292	.04016	.22009	-.00210	-.00589	.64445	1.3791	.00639	.17674	.05062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36423**	**.00044**	F **-.12858**	**.09104**	**.15537**	**.03236**
Stddev	.00170	.00086	.00594	.00038	.00150	.00097
%RSD	.46779	196.99	4.6187	.42096	.96550	2.9879
#1	.36543	.00105	-.12438	.09131	.15643	.03304
#2	.36303	-.00017	-.13278	.09076	.15431	.03167
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4386.1**	**66608.**	**6268.5**
Stddev	60.2	229.	1.1
%RSD	1.3725	.34453	.01787
#1	4428.7	66446.	6267.7
#2	4343.5	66770.	6269.3

Sample Name: 280-27357-a-1-aSD@25 Acquired: 4/10/2012 16:37:28 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**10.078**	**.00389**	**.00459**	**.11207**	**.00092**	**-.00296**	**2.4826**	**.00021**	**.00320**
Stddev	.00030	.243	.00199	.00027	.00244	.00006	.00052	.0617	.00007	.00005
%RSD	33.743	2.4075	51.128	5.8941	2.1812	6.8269	17.593	2.4858	31.985	1.4599
#1	.00108	10.250	.00248	.00440	.11380	.00096	-.00333	2.5262	.00016	.00316
#2	.00067	9.9066	.00530	.00478	.11034	.00087	-.00259	2.4390	.00025	.00323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00775**	**.00562**	**11.248**	**1.6680**	**.01047**	**2.5194**	**.08181**	**.00020**	**.29655**	**.00459**
Stddev	.00010	.00026	.254	.0286	.00037	.0012	.00011	.00004	.02209	.00010
%RSD	1.2516	4.6012	2.2615	1.7123	3.5127	.04770	.13151	18.082	7.4477	2.2320
#1	.00768	.00544	11.428	1.6882	.01021	2.5203	.08189	.00022	.31217	.00466
#2	.00782	.00580	11.068	1.6478	.01073	2.5186	.08174	.00017	.28093	.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18056**	**.00907**	**.08019**	**-.00282**	**-.00025**	**.15950**	**.34134**	**.00124**	**.03834**	**.00951**
Stddev	.00082	.00104	.00035	.00237	.00348	.02505	.05360	.00032	.00099	.00069
%RSD	.45296	11.508	.43447	84.136	1379.5	15.704	15.704	25.371	2.5917	7.2883
#1	.17998	.00833	.07995	-.00114	-.00271	.17722	.37924	.00147	.03904	.01000
#2	.18114	.00981	.08044	-.00450	.00221	.14179	.30343	.00102	.03763	.00902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07617**	**-.00057**	**.00384**	**.01921**	**.03413**	**.00678**
Stddev	.00039	.00035	.02099	.00029	.00009	.00070
%RSD	.50652	62.645	547.18	1.5263	.25832	10.336
#1	.07589	-.00082	-.01101	.01900	.03419	.00629
#2	.07644	-.00032	.01868	.01941	.03406	.00728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4208.9**	**64843.**	**5872.0**
Stddev	13.9	113.	106.3
%RSD	.32924	.17448	1.8107
#1	4218.7	64763.	5796.9
#2	4199.1	64923.	5947.2

Sample Name: 280-27357-a-1-b ms@5 Acquired: 4/10/2012 16:39:50 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01033	82.696	.18691	.19700	.85625	.01511	F .39260	31.593	.01956	.10673
Stddev	.00020	1.200	.00027	.00142	.01381	.00017	.00053	.389	.00016	.00003
%RSD	1.8945	1.4513	.14573	.72054	1.6124	1.1545	.13395	1.2328	.82991	.03150
#1	.01047	83.545	.18672	.19800	.86602	.01524	.39223	31.868	.01968	.10671
#2	.01019	81.847	.18711	.19599	.84649	.01499	.39298	31.317	.01945	.10676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08392	.08564	59.667	20.075	.27447	22.480	.48447	.17796	12.383	.11642
Stddev	.00002	.00002	1.073	.301	.00544	.076	.00317	.00064	.157	.00001
%RSD	.02053	.02722	1.7987	1.5008	1.9834	.33849	.65448	.36192	1.2689	.01176
#1	.08391	.08566	60.426	20.288	.27832	22.534	.48671	.17842	12.272	.11643
#2	.08393	.08562	58.908	19.862	.27062	22.426	.48223	.17751	12.494	.11641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.6606	.13062	.25034	.03069	.38234	1.6141	3.4541	.37670	.41366	.24754
Stddev	.0121	.00015	.00035	.00242	.00095	.0209	.0447	.00005	.00587	.00096
%RSD	.45327	.11537	.13923	7.8977	.24927	1.2944	1.2944	.01302	1.4180	.38762
#1	2.6691	.13073	.25009	.02898	.38302	1.6288	3.4857	.37674	.41781	.24686
#2	2.6520	.13052	.25059	.03241	.38167	1.5993	3.4225	.37667	.40951	.24822
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2675	.38514	.27906	.21672	.26113	.17923
Stddev	.0046	.00225	.01041	.00097	.00065	.00242
%RSD	.36402	.58424	3.7304	.44712	.24998	1.3511
#1	1.2707	.38673	.28642	.21740	.26159	.18094
#2	1.2642	.38355	.27170	.21603	.26067	.17752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4297.5	65559.	6213.8
Stddev	2.0	385.	57.0
%RSD	.04616	.58700	.91735
#1	4296.1	65287.	6173.4
#2	4298.9	65832.	6254.1

Sample Name: 280-27357-a-1-cmsd@5 Acquired: 4/10/2012 16:42:06 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01047**	**75.761**	**.18517**	**.18023**	**1.0034**	**.01463**	F **.38669**	**21.427**	**.01897**	**.10620**
Stddev	.00037	.040	.00215	.00240	.0018	.00001	.00565	.064	.00004	.00081
%RSD	3.5448	.05323	1.1599	1.3297	.17769	.06796	1.4624	.29634	.22220	.76568
#1	.01020	75.733	.18365	.17853	1.0047	.01463	.38269	21.382	.01894	.10562
#2	.01073	75.790	.18669	.18192	1.0022	.01464	.39069	21.472	.01900	.10677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08308**	**.08541**	**59.608**	**19.525**	**.26404**	**22.773**	**.54209**	**.17566**	**12.127**	**.11734**
Stddev	.00066	.00128	.169	.017	.00110	.436	.00984	.00016	.061	.00080
%RSD	.79708	1.4963	.28394	.08588	.41802	1.9145	1.8160	.09283	.50678	.68517
#1	.08261	.08451	59.489	19.537	.26326	22.464	.53513	.17554	12.084	.11678
#2	.08355	.08632	59.728	19.513	.26482	23.081	.54906	.17577	12.171	.11791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6641**	**.12746**	**.24356**	**.03482**	**.37433**	**1.2965**	**2.7744**	**.37007**	**.40340**	**.24567**
Stddev	.0198	.00053	.00623	.00174	.00136	.0138	.0296	.00425	.00045	.00282
%RSD	.74393	.41735	2.5591	4.9869	.36423	1.0681	1.0681	1.1483	.11146	1.1461
#1	2.6501	.12708	.23915	.03605	.37530	1.2867	2.7535	.36707	.40372	.24368
#2	2.6781	.12783	.24797	.03359	.37337	1.3062	2.7954	.37308	.40308	.24766
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0015**	**.38207**	**.26588**	**.19873**	**.27116**	**.15356**
Stddev	.0156	.00469	.00380	.00359	.00447	.00098
%RSD	1.5594	1.2282	1.4300	1.8073	1.6494	.64008
#1	.99050	.37875	.26319	.19619	.26799	.15287
#2	1.0126	.38539	.26856	.20126	.27432	.15426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4304.3**	**65561.**	**6274.9**
Stddev	25.1	824.	16.6
%RSD	.58369	1.2570	.26431
#1	4322.0	66144.	6286.6
#2	4286.5	64978.	6263.2

Sample Name: CCVH-1351956 Acquired: 4/10/2012 16:44:22 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**53.899**	**-.00378**	**.00335**	**.00047**	**-.00006**	**.99201**	**-.00572**	**.00005**	**.00007**	**.00031**	**.00177**	**54.236**
Stddev	.00020	.238	.00353	.00074	.00003	.00002	.01879	.00146	.00007	.00021	.00020	.00030	.412
%RSD	11.976	.44214	93.377	22.062	5.5545	38.521	1.8942	25.517	132.71	316.42	64.937	16.696	.75918
#1	.00178	53.730	-.00627	.00387	.00046	-.00004	1.0053	-.00675	.00000	-.00008	.00046	.00156	53.945
#2	.00150	54.068	-.00128	.00283	.00049	-.00007	.97872	-.00469	.00011	.00022	.00017	.00198	54.527
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15018**	**.00292**	**.01713**	**.00003**	**-.00036**	F **276.37**	**.00190**	**.00387**	**-.00223**	**4.9222**	**-.00500**	**.00398**	**.02494**
Stddev	.01932	.00092	.00179	.00008	.00027	1.79	.00016	.00292	.00002	.0896	.00265	.00338	.00589
%RSD	12.866	31.656	10.470	286.29	73.780	.64872	8.2490	75.417	.76347	1.8193	52.969	84.932	23.608
#1	.13652	.00226	.01839	-.00003	-.00055	275.11	.00179	.00180	-.00224	4.9856	-.00312	.00159	.02078
#2	.16385	.00357	.01586	.00008	-.00017	277.64	.00201	.00593	-.00222	4.8589	-.00687	.00637	.02910
Check ?	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None	None	None
Value						250.00							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05337**	**.00228**	**.00031**	**5.0943**	**.00361**	**-.00038**	**10.021**	**.00146**	**.00072**	**.01307**
Stddev	.01260	.00111	.00002	.0153	.00017	.00120	.010	.00009	.00062	.00192
%RSD	23.608	48.627	4.8367	.29994	4.7687	317.96	.10298	6.3267	85.389	14.662
#1	.04446	.00306	.00032	5.0835	.00373	.00047	10.014	.00140	.00029	.01171
#2	.06228	.00149	.00030	5.1051	.00349	-.00123	10.029	.00153	.00116	.01442
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4041.5**	**61011.**	**5845.3**
Stddev	50.8	292.	54.7
%RSD	1.2579	.47898	.93613
#1	4005.6	61218.	5884.0
#2	4077.5	60805.	5806.6

Sample Name: CCV-1351954 Acquired: 4/10/2012 16:46:43 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51095**	**.49846**	**.94204**	**.49426**	**.54779**	**.50925**	**-.00176**	**5.2308**	**.50630**	**.50154**	**.50484**	**.51481**	**2.7346**
Stddev	.00144	.00014	.00684	.00241	.00063	.00073	.00190	.0262	.00043	.00026	.00039	.00084	.0034
%RSD	.28103	.02719	.72574	.48737	.11415	.14335	108.17	.50123	.08506	.05095	.07680	.16353	.12253
#1	.50994	.49855	.93720	.49256	.54735	.50873	-.00041	5.2123	.50660	.50136	.50457	.51421	2.7322
#2	.51197	.49836	.94687	.49597	.54823	.50976	-.00310	5.2493	.50599	.50172	.50512	.51540	2.7370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.775**	**1.0818**	**19.775**	**.50812**	**.49998**	**5.3346**	**.50203**	**.95866**	**.94173**	**.02402**	**.98185**	**1.0228**	**5.1491**
Stddev	.131	.0034	.067	.00209	.00029	.0185	.00049	.00405	.00306	.00138	.00186	.0034	.0132
%RSD	.23942	.31769	.33703	.41117	.05719	.34680	.09747	.42253	.32485	5.7397	.18898	.33193	.25694
#1	54.683	1.0793	19.728	.50665	.49978	5.3215	.50168	.95580	.93957	.02304	.98054	1.0204	5.1397
#2	54.868	1.0842	19.822	.50960	.50018	5.3477	.50238	.96153	.94389	.02499	.98316	1.0252	5.1585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.019**	**1.0190**	**.53392**	**-.00131**	**.49428**	**1.0401**	**.00814**	**.50549**	**.48195**	**.54112**
Stddev	.028	.0008	.00178	.00014	.00080	.0009	.01076	.00007	.00262	.00584
%RSD	.25694	.07978	.33278	11.038	.16095	.08332	132.19	.01337	.54289	1.0784
#1	10.999	1.0196	.53266	-.00121	.49372	1.0407	.00053	.50544	.48010	.53699
#2	11.039	1.0184	.53518	-.00141	.49485	1.0395	.01575	.50554	.48380	.54524
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4064.9**	**62662.**	**5805.8**
Stddev	19.3	37.	12.1
%RSD	.47472	.05936	.20762
#1	4078.6	62636.	5814.3
#2	4051.3	62689.	5797.2

Sample Name: CCB Acquired: 4/10/2012 16:48:55 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00117	.00132	.00016	.00128	.00023	-.00003	-.00151	-.00294	.00010	-.00003	.00002
Stddev	.00053	.00050	.00389	.00016	.00016	.00001	.00023	.00004	.00000	.00008	.00017
%RSD	44.972	38.214	2479.2	12.473	69.388	38.119	15.114	1.3337	4.3852	269.69	1070.2
#1	.00080	.00168	-.00260	.00139	.00034	-.00002	-.00167	-.00297	.00010	-.00008	-.00011
#2	.00155	.00096	.00291	.00117	.00012	-.00004	-.00135	-.00291	.00011	.00003	.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00193	.00190	.11671	W .00370	.00342	.00007	.00087	.07045	.00009	-.00027	.00092
Stddev	.00004	.00002	.01070	.00005	.00110	.00005	.00036	.00112	.00026	.00117	.00060
%RSD	2.0032	1.1164	9.1718	1.4464	32.125	75.362	41.484	1.5826	273.71	440.82	65.139
#1	-.00195	.00188	.12428	.00367	.00264	.00003	.00061	.07124	-.00009	.00056	.00135
#2	-.00190	.00191	.10914	.00374	.00420	.00011	.00112	.06966	.00027	-.00109	.00050
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136			.00261							
Low Limit	-.00136			-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01653	-.00018	-.00092	-.01133	-.02425	.00116	.00002	-.00065	.00005	-.00139	.00063
Stddev	.00046	.00004	.00592	.00637	.01363	.00019	.00002	.00004	.00001	.00053	.00872
%RSD	2.7896	22.377	641.73	56.187	56.187	16.546	101.65	6.1204	27.032	38.245	1387.7
#1	.01686	-.00021	-.00511	-.00683	-.01462	.00103	.00001	-.00068	.00004	-.00101	-.00554
#2	.01621	-.00015	.00326	-.01584	-.03389	.00130	.00004	-.00063	.00006	-.00177	.00679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.00023	.00112	.00070
Stddev	.00008	.00006	.00081
%RSD	33.968	5.1055	114.96
#1	.00028	.00108	.00128
#2	.00017	.00116	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4090.9	63862.	5809.5
Stddev	1.4	325.	48.3
%RSD	.03360	.50849	.83203
#1	4090.0	64092.	5843.6
#2	4091.9	63632.	5775.3

Sample Name: CCVL1351959 Acquired: 4/10/2012 16:51:20 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01129**	**.10347**	**.01434**	**.09552**	**.01139**	**.00096**	**.10508**	**.21601**	**.00513**	**.01035**	**.01021**	**.01397**	**.11060**	**3.4219**
Stddev	.00014	.00045	.00605	.00025	.00018	.00000	.00247	.00080	.00013	.00011	.00013	.00007	.00165	.0048
%RSD	1.2388	.43036	42.217	.26298	1.5631	.19892	2.3529	.36988	2.5037	1.0260	1.2986	.52105	1.4942	.13962
#1	.01119	.10379	.01006	.09570	.01127	.00096	.10682	.21544	.00522	.01028	.01031	.01392	.10943	3.4185
#2	.01139	.10316	.01862	.09534	.01152	.00096	.10333	.21657	.00503	.01043	.01012	.01402	.11177	3.4253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01196**	**.20951**	**.01041**	**.01965**	**1.2371**	**.04052**	**2.7258**	**.00949**	**.01910**	**.00926**	**.01492**	**.50480**	**1.0803**	**.10451**
Stddev	.00034	.00085	.00001	.00024	.0019	.00002	.0003	.00117	.00151	.00051	.00181	.01399	.0299	.00098
%RSD	2.8470	.40723	.11523	1.2457	.14931	.05558	.00968	12.376	7.8940	5.5322	12.134	2.7710	2.7710	.93539
#1	.01221	.21012	.01042	.01948	1.2358	.04050	2.7256	.00866	.01804	.00890	.01620	.49491	1.0591	.10382
#2	.01172	.20891	.01040	.01983	1.2384	.04053	2.7260	.01032	.02017	.00962	.01364	.51469	1.1014	.10520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01109**	**.01441**	**.00968**	**.01438**	**.05318**	**.00991**	**.02056**	**.01564**
Stddev	.00016	.00084	.00013	.00135	.02403	.00010	.00054	.00084
%RSD	1.4518	5.8331	1.3843	9.3949	45.194	.96904	2.6034	5.3677
#1	.01098	.01501	.00959	.01342	.03618	.00998	.02018	.01504
#2	.01121	.01382	.00978	.01533	.07017	.00985	.02094	.01623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4136.2**	**64495.**	**5826.0**
Stddev	3.1	136.	16.6
%RSD	.07522	.21157	.28466
#1	4134.0	64592.	5837.8
#2	4138.4	64399.	5814.3

Sample Name: CCVH-1351956 Acquired: 4/10/2012 20:47:59 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**52.376**	**.00127**	**.00014**	**.00059**	**-.00005**	**1.0090**	**-.00864**	**-.00006**	**.00014**	**.00040**	**.00348**	**52.483**
Stddev	.00002	.259	.00130	.00024	.00005	.00002	.0015	.00298	.00012	.00026	.00009	.00058	.308
%RSD	1.0219	.49498	102.40	166.95	8.2220	35.662	.15038	34.470	197.25	183.11	23.959	16.759	.58681
#1	.00176	52.559	.00219	.00031	.00055	-.00006	1.0079	-.01074	-.00015	.00033	.00046	.00389	52.701
#2	.00179	52.192	.00035	-.00003	.00062	-.00004	1.0101	-.00653	.00002	-.00004	.00033	.00307	52.266
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01845**	**.00200**	**.01787**	**.00002**	**-.00082**	**268.85**	**.00168**	**.00191**	**-.00330**	**4.9601**	**-.00299**	**-.00118**	**.00981**
Stddev	.05087	.00104	.00157	.00002	.00027	1.84	.00017	.00104	.00077	.0076	.00377	.00124	.00312
%RSD	275.74	51.866	8.7732	90.961	33.075	.68564	10.387	54.450	23.202	.15425	126.18	104.81	31.838
#1	-.01752	.00274	.01898	.00004	-.00063	270.16	.00180	.00265	-.00276	4.9655	-.00032	-.00031	.00760
#2	.05442	.00127	.01677	.00001	-.00101	267.55	.00155	.00118	-.00384	4.9547	-.00566	-.00206	.01201
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02099**	**.00271**	**.00040**	**4.9919**	**.00260**	**-.00017**	**9.8304**	**.00162**	**.00062**	**.01377**
Stddev	.00668	.00001	.00002	.0032	.00005	.00090	.0199	.00018	.00006	.00037
%RSD	31.838	.25523	5.9402	.06497	2.0688	536.52	.20256	10.859	9.7876	2.6982
#1	.01626	.00271	.00038	4.9896	.00256	-.00080	9.8164	.00150	.00066	.01351
#2	.02571	.00270	.00041	4.9942	.00263	.00047	9.8445	.00174	.00058	.01404
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.7**	**61666.**	**6016.8**
Stddev	4.4	96.	30.2
%RSD	.10976	.15546	.50139
#1	3989.6	61734.	5995.5
#2	3995.8	61598.	6038.2

Sample Name: CCV-1351954 Acquired: 4/10/2012 20:50:21 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50490**	**.50019**	**.94434**	**.49774**	**.52962**	**.50464**	**-.00385**	**5.1516**	**.50494**	**.50015**	**.50004**	**.51045**	**2.6350**
Stddev	.00197	.00340	.00740	.00251	.00311	.00285	.00114	.0216	.00270	.00153	.00296	.00070	.0159
%RSD	.38929	.68063	.78321	.50528	.58694	.56524	29.516	.41919	.53387	.30567	.59236	.13677	.60488
#1	.50351	.50260	.94957	.49952	.53182	.50665	-.00305	5.1668	.50685	.50123	.50214	.51094	2.6463
#2	.50629	.49779	.93911	.49596	.52742	.50262	-.00465	5.1363	.50303	.49907	.49795	.50995	2.6237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.225**	**1.0651**	**19.442**	**.49489**	**.49692**	**5.2236**	**.49876**	**.97155**	**.95675**	**.00767**	**.98167**	**1.0151**	**5.1057**
Stddev	.191	.0022	.011	.00016	.00323	.0129	.00294	.00489	.00928	.00305	.00671	.0157	.0015
%RSD	.35912	.20732	.05444	.03210	.64956	.24725	.58959	.50298	.97022	39.819	.68404	1.5439	.02896
#1	53.360	1.0667	19.449	.49477	.49921	5.2327	.50084	.97500	.96331	.00983	.98642	1.0262	5.1067
#2	53.090	1.0635	19.434	.49500	.49464	5.2144	.49669	.96809	.95018	.00551	.97693	1.0040	5.1046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.926**	**1.0127**	**.51906**	**-.00221**	**.48877**	**1.0373**	**.00668**	**.49525**	**.47326**	**.52452**
Stddev	.003	.0084	.00263	.00004	.00087	.0055	.00435	.00046	.00044	.00266
%RSD	.02896	.82825	.50678	1.9134	.17793	.53229	65.019	.09295	.09386	.50619
#1	10.928	1.0186	.52092	-.00224	.48939	1.0412	.00976	.49558	.47357	.52639
#2	10.924	1.0067	.51720	-.00218	.48816	1.0334	.00361	.49493	.47295	.52264
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4070.1**	**63739.**	**5967.4**
Stddev	19.7	38.	22.5
%RSD	.48394	.05976	.37685
#1	4056.2	63712.	5951.5
#2	4084.0	63766.	5983.3

Sample Name: CCB Acquired: 4/10/2012 20:52:33 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00055**	**.00174**	**-.00049**	**.00019**	**.00004**	**-.00067**	**-.00343**	**.00018**	**-.00018**	**.00016**
Stddev	.00001	.00044	.00020	.00099	.00020	.00004	.00205	.00051	.00005	.00009	.00003
%RSD	1.1591	80.313	11.296	203.19	106.95	89.501	308.08	14.780	29.566	49.942	21.621
#1	.00092	.00024	.00160	.00021	.00033	.00007	-.00211	-.00379	.00014	-.00025	.00019
#2	.00090	.00086	.00187	-.00119	.00005	.00001	.00078	-.00307	.00022	-.00012	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00177**	**.00166**	**.00268**	**-.00032**	**.00204**	**.00000**	**.00101**	**-.00676**	**-.00004**	**-.00146**	**.00100**
Stddev	.00019	.00099	.01336	.00097	.00149	.00004	.00037	.00201	.00028	.00204	.00016
%RSD	10.702	59.364	498.31	299.62	72.975	4195.0	36.650	29.700	645.25	140.13	16.485
#1	-.00191	.00236	.01213	.00036	.00099	-.00002	.00075	-.00817	.00015	-.00001	.00088
#2	-.00164	.00096	-.00677	-.00101	.00309	.00003	.00127	-.00534	-.00024	-.00290	.00111
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**-.00091**	**.00121**	**-.00238**	**-.00509**	**.00152**	**-.00003**	**-.00063**	**-.00002**	**-.00172**	**.01585**
Stddev	.00497	.00048	.00144	.01540	.03296	.00013	.00001	.00005	.00003	.00061	.00177
%RSD	82.788	52.505	119.55	648.01	648.01	8.7326	48.176	7.3232	136.59	35.486	11.152
#1	.00951	-.00057	.00223	.00851	.01822	.00142	-.00002	-.00067	-.00005	-.00215	.01460
#2	.00249	-.00124	.00019	-.01327	-.02839	.00161	-.00004	-.00060	.00000	-.00129	.01710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00009**	**.00061**	**.00037**
Stddev	.00026	.00005	.00061
%RSD	292.23	7.4723	163.59
#1	.00028	.00057	-.00006
#2	-.00010	.00064	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4084.8**	**64235.**	**5884.7**
Stddev	7.7	51.	17.3
%RSD	.18947	.07885	.29474
#1	4079.3	64271.	5872.4
#2	4090.3	64199.	5897.0

Sample Name: CCVL1351959 Acquired: 4/10/2012 20:55:00 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01125**	**.10301**	**.01408**	**.09434**	**.01102**	**.00107**	**.10688**	**.20637**	**.00513**	**.01041**	**.01017**	**.01368**	**.10995**
Stddev	.00015	.00043	.00136	.00035	.00002	.00005	.00248	.00098	.00011	.00021	.00012	.00014	.00228
%RSD	1.3595	.42104	9.6809	.37434	.17697	5.0428	2.3246	.47702	2.0544	2.0474	1.2188	1.0026	2.0701
#1	.01135	.10332	.01504	.09459	.01101	.00103	.10863	.20706	.00505	.01056	.01026	.01377	.11156
#2	.01114	.10271	.01312	.09409	.01104	.00110	.10512	.20567	.00520	.01026	.01008	.01358	.10834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3256**	**.01182**	**.20468**	**.01039**	**.01969**	**1.0792**	**.04058**	**2.7449**	**.00971**	**.00684**	F **.00518**	**.01815**	**.51377**
Stddev	.0776	.00186	.00380	.00003	.00029	.0198	.00019	.0180	.00072	.00232	.00330	.00324	.00228
%RSD	2.3326	15.771	1.8562	.30956	1.4620	1.8331	.45775	.65383	7.4659	33.858	63.628	17.849	.44404
#1	3.3804	.01314	.20737	.01041	.01949	1.0932	.04071	2.7575	.01022	.00848	.00751	.01586	.51538
#2	3.2707	.01050	.20200	.01036	.01989	1.0652	.04045	2.7322	.00920	.00520	.00285	.02044	.51215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0995**	**.10313**	**.01069**	**.01484**	**.00971**	**.01565**	**.06321**	**.01005**	**.02014**	**.01636**
Stddev	.0049	.00062	.00018	.00062	.00010	.00071	.00593	.00013	.00060	.00269
%RSD	.44404	.59761	1.6494	4.1534	1.0688	4.5539	9.3736	1.3239	2.9667	16.422
#1	1.1029	.10357	.01082	.01528	.00964	.01515	.06740	.01014	.02056	.01827
#2	1.0960	.10270	.01057	.01441	.00979	.01615	.05902	.00995	.01971	.01446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.6**	**65047.**	**5922.4**
Stddev	17.9	193.	77.7
%RSD	.43179	.29642	1.3126
#1	4129.9	64911.	5867.5
#2	4155.2	65184.	5977.4

Sample Name: mb 280-114766/1-a Acquired: 4/10/2012 20:57:24 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00366**	**.00089**	**-.00046**	**.00083**	**.00005**	**-.00238**	**.05343**	**.00012**	**-.00012**
Stddev	.00003	.00029	.00253	.00051	.00019	.00003	.00105	.00198	.00013	.00019
%RSD	4.6799	7.9651	285.10	109.79	22.628	62.432	44.219	3.6970	113.65	153.88
#1	.00076	.00387	.00267	-.00082	.00069	.00008	-.00313	.05203	.00002	.00001
#2	.00071	.00345	-.00090	-.00010	.00096	.00003	-.00164	.05482	.00021	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00082**	**.01066**	**.07861**	**.00173**	**.01007**	**.00020**	**-.00026**	**.23015**	**-.00002**
Stddev	.00018	.00011	.00131	.02482	.00060	.00089	.00001	.00019	.00099	.00025
%RSD	128.24	13.076	12.329	31.573	34.978	8.7987	2.8046	71.318	.42980	1093.7
#1	.00026	-.00089	.01159	.09615	.00215	.00944	.00021	-.00039	.22945	.00016
#2	.00001	-.00074	.00973	.06106	.00130	.01070	.00020	-.00013	.23085	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**.00134**	F **.02796**	**.00040**	**.00127**	F **.01702**	**.03643**	**.00945**	**.00026**	**.00038**
Stddev	.00015	.00037	.00186	.00091	.00103	.01252	.02679	.00027	.00008	.00040
%RSD	3.9659	27.553	6.6370	230.11	80.976	73.534	73.534	2.8473	33.248	106.39
#1	.00394	.00108	.02665	.00104	.00054	.02588	.05538	.00964	.00020	.00009
#2	.00373	.00160	.02927	-.00025	.00200	.00817	.01749	.00926	.00032	.00066
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00202**	**.01828**	**.00023**	**.00286**	**.00133**
Stddev	.00018	.00049	.01691	.00062	.00014	.00117
%RSD	42.249	24.444	92.472	266.42	4.9060	88.042
#1	.00054	-.00167	.03023	-.00021	.00296	.00050
#2	.00029	-.00236	.00633	.00067	.00276	.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4209.1**	**66377.**	**6054.7**
Stddev	22.9	5.	53.5
%RSD	.54379	.00691	.88398
#1	4225.2	66374.	6092.6
#2	4192.9	66380.	6016.9

Sample Name: lcs 280-114766/2-a Acquired: 4/10/2012 20:59:50 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05283**	**1.8387**	**.95211**	**.96692**	**2.1717**	**.05142**	**2.1058**	**51.437**	**.10266**	**.49079**
Stddev	.00080	.0125	.00652	.00870	.0076	.00024	.0129	.055	.00058	.00420
%RSD	1.5161	.68008	.68487	.89942	.35070	.47541	.61108	.10748	.56303	.85621
#1	.05227	1.8298	.94750	.96077	2.1663	.05125	2.0967	51.398	.10226	.48781
#2	.05340	1.8475	.95672	.97307	2.1771	.05159	2.1149	51.476	.10307	.49376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19986**	**.26207**	**1.0890**	**54.952**	**1.0920**	**47.979**	**.50498**	**1.0014**	F **57.154**	**.49667**
Stddev	.00115	.00161	.0101	.020	.0023	.072	.00074	.0053	.301	.00483
%RSD	.57398	.61314	.93048	.03593	.20926	.14974	.14556	.52446	.52676	.97154
#1	.19905	.26321	1.0818	54.966	1.0936	48.030	.50550	.99769	56.941	.49326
#2	.20068	.26094	1.0962	54.938	1.0903	47.928	.50446	1.0051	57.367	.50008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8585**	**.46973**	**.04299**	**.47640**	**2.0431**	**1.5961**	F **3.4156**	**2.0136**	**1.0750**	**1.0120**
Stddev	.0732	.00291	.00621	.00266	.0107	.0181	.0387	.0108	.0038	.0019
%RSD	.74264	.61940	14.442	.55734	.52471	1.1340	1.1340	.53494	.35057	.18260
#1	9.8067	.46768	.03860	.47453	2.0355	1.5833	3.3882	2.0060	1.0723	1.0133
#2	9.9102	.47179	.04738	.47828	2.0507	1.6089	3.4430	2.0212	1.0776	1.0107
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0017**	**2.0198**	**2.1543**	**.50600**	**.46675**	**.54438**
Stddev	.0001	.0138	.0202	.00283	.00110	.00056
%RSD	.01186	.68187	.93705	.55901	.23552	.10275
#1	1.0018	2.0100	2.1400	.50800	.46752	.54398
#2	1.0016	2.0295	2.1686	.50400	.46597	.54477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3963.9**	**62054.**	**5903.4**
Stddev	17.1	40.	20.6
%RSD	.43243	.06503	.34849
#1	3976.0	62082.	5888.8
#2	3951.8	62025.	5917.9

Sample Name: 280-27433-a-1-f Acquired: 4/10/2012 21:02:00 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00305**	**96.700**	**.04921**	**.05556**	**1.3491**	**.00657**	**-.00351**	**27.001**	**.00455**	**.04119**
Stddev	.00008	.339	.00071	.00006	.0047	.00009	.00101	.155	.00015	.00028
%RSD	2.7547	.35062	1.4352	.11128	.35130	1.4446	28.904	.57236	3.3486	.67505
#1	.00311	96.940	.04971	.05560	1.3525	.00664	-.00279	27.110	.00466	.04138
#2	.00299	96.460	.04871	.05551	1.3458	.00651	-.00423	26.892	.00445	.04099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09811**	**.69208**	**127.36**	**17.065**	**.08377**	**12.769**	**2.6405**	**.00954**	**2.4133**	**.05268**
Stddev	.00079	.00090	.97	.078	.00084	.023	.0006	.00043	.0074	.00014
%RSD	.80712	.13034	.76065	.45887	1.0031	.18009	.02415	4.4694	.30580	.26122
#1	.09867	.69271	128.04	17.121	.08317	12.786	2.6400	.00924	2.4185	.05278
#2	.09755	.69144	126.67	17.010	.08436	12.753	2.6409	.00984	2.4081	.05258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1626**	**1.3599**	**1.5652**	**.01041**	**.00240**	**5.7771**	**12.363**	**.05336**	**.61635**	**.07897**
Stddev	.0132	.0002	.0051	.00068	.00343	.0504	.108	.00190	.00269	.00130
%RSD	.60883	.01367	.32404	6.5607	142.78	.87238	.87238	3.5611	.43670	1.6465
#1	2.1719	1.3598	1.5616	.00993	-.00002	5.8128	12.439	.05202	.61825	.07805
#2	2.1533	1.3600	1.5688	.01090	.00482	5.7415	12.287	.05471	.61445	.07989
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0482**	**-.00026**	F **-.22370**	**.19153**	**.70763**	**.09889**
Stddev	.0006	.00107	.02529	.00006	.00077	.00029
%RSD	.01850	415.18	11.304	.03045	.10895	.29106
#1	3.0479	-.00101	-.20582	.19149	.70818	.09910
#2	3.0486	.00050	-.24158	.19158	.70709	.09869
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4588.2**	**71249.**	**6920.2**
Stddev	15.2	167.	9.0
%RSD	.33128	.23500	.12994
#1	4577.4	71368.	6913.9
#2	4598.9	71131.	6926.6

Sample Name: 280-27433-a-1-fSD@5 Acquired: 4/10/2012 21:04:18 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**21.894**	**.01171**	**.01304**	**.30562**	**.00146**	**-.00195**	**6.1133**	**.00092**	**.00940**
Stddev	.00047	.034	.00073	.00018	.00144	.00000	.00054	.0235	.00000	.00008
%RSD	35.693	.15608	6.2353	1.3911	.47085	.28933	27.473	.38379	.36031	.89271
#1	.00099	21.870	.01120	.01291	.30460	.00146	-.00233	6.0967	.00092	.00934
#2	.00167	21.919	.01223	.01317	.30663	.00146	-.00157	6.1299	.00092	.00946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02221**	**.15362**	**28.367**	**3.8638**	**.01823**	**2.9852**	**.60553**	**.00185**	**.51667**	**.01190**
Stddev	.00006	.00010	.117	.0136	.00128	.0018	.00010	.00004	.00000	.00001
%RSD	.27562	.06527	.41200	.35092	7.0459	.06023	.01729	2.0598	.00043	.09291
#1	.02217	.15370	28.284	3.8734	.01733	2.9839	.60546	.00188	.51668	.01189
#2	.02226	.15355	28.449	3.8543	.01914	2.9865	.60561	.00183	.51667	.01191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47883**	**.31526**	**.36240**	**.00029**	**-.00081**	**1.2073**	**2.5836**	**.01324**	**.13941**	**.01818**
Stddev	.00231	.00079	.00176	.00014	.00016	.0230	.0493	.00048	.00047	.00034
%RSD	.48328	.24922	.48524	47.398	19.859	1.9084	1.9084	3.6283	.33527	1.8442
#1	.47719	.31582	.36364	.00038	-.00069	1.1910	2.5487	.01290	.13907	.01794
#2	.48046	.31471	.36116	.00019	-.00092	1.2236	2.6184	.01358	.13974	.01841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68490**	**-.00152**	**-.04336**	**.04341**	**.16218**	**.02334**
Stddev	.00062	.00235	.01175	.00012	.00067	.00163
%RSD	.08984	154.51	27.107	.28222	.41431	6.9750
#1	.68534	-.00319	-.03505	.04333	.16170	.02219
#2	.68447	.00014	-.05167	.04350	.16265	.02449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4289.8**	**66622.**	**6329.2**
Stddev	6.2	253.	22.4
%RSD	.14517	.38050	.35343
#1	4294.2	66442.	6313.4
#2	4285.4	66801.	6345.0

Sample Name: 280-27433-a-1-g ms Acquired: 4/10/2012 21:06:38 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05001**	**151.33**	**.85495**	**.88705**	**3.3847**	**.05146**	F **1.8089**	**72.062**	**.09491**	**.45915**
Stddev	.00000	.63	.00620	.00050	.0088	.00001	.0026	.382	.00017	.00060
%RSD	.00065	.41434	.72545	.05675	.26114	.02629	.14364	.52986	.17592	.13145
#1	.05001	151.77	.85934	.88740	3.3910	.05145	1.8070	72.332	.09479	.45958
#2	.05001	150.88	.85057	.88669	3.3785	.05147	1.8107	71.792	.09503	.45873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30573**	**.53996**	**133.82**	**70.542**	**1.0600**	**56.638**	**3.2234**	**.84370**	**52.046**	**.47935**
Stddev	.00074	.00151	.55	.140	.0029	.036	.0457	.00248	.196	.00110
%RSD	.24359	.27896	.40901	.19892	.26982	.06284	1.4186	.29389	.37668	.22963
#1	.30625	.53890	134.20	70.641	1.0580	56.664	3.1910	.84546	52.185	.48013
#2	.30520	.54103	133.43	70.443	1.0621	56.613	3.2557	.84195	51.907	.47857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.574**	**1.5804**	**2.0357**	**.20012**	**1.7668**	**11.080**	**23.712**	**1.6881**	**1.5804**	**.95274**
Stddev	.026	.0024	.0053	.00004	.0132	.221	.473	.0104	.0056	.00129
%RSD	.24430	.14886	.25768	.02017	.74896	1.9944	1.9944	.61852	.35241	.13556
#1	10.593	1.5787	2.0394	.20015	1.7761	11.237	24.047	1.6954	1.5843	.95366
#2	10.556	1.5820	2.0320	.20010	1.7574	10.924	23.378	1.6807	1.5765	.95183
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2445**	**1.6375**	**1.6105**	**.67896**	**1.1760**	**.57959**
Stddev	.0028	.0107	.0208	.00257	.0020	.01116
%RSD	.05421	.65600	1.2907	.37863	.17133	1.9262
#1	5.2465	1.6451	1.5958	.68078	1.1774	.58749
#2	5.2425	1.6299	1.6252	.67715	1.1746	.57170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4476.8**	**69136.**	**7011.0**
Stddev	7.4	162.	54.0
%RSD	.16599	.23452	.77083
#1	4482.1	69250.	6972.8
#2	4471.6	69021.	7049.2

Sample Name: 280-27433-a-1-h msd Acquired: 4/10/2012 21:08:53 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05019**	**180.98**	**.85842**	**.93519**	**4.3352**	**.05287**	F **1.7882**	**92.150**	**.09468**	**.45679**
Stddev	.00055	.46	.00103	.00126	.0147	.00012	.0026	.207	.00001	.00029
%RSD	1.1053	.25297	.12030	.13458	.34031	.22743	.14724	.22478	.01081	.06429
#1	.05058	181.31	.85915	.93608	4.3456	.05296	1.7900	92.297	.09467	.45659
#2	.04979	180.66	.85769	.93430	4.3247	.05279	1.7863	92.004	.09469	.45700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31889**	**.60245**	**151.09**	**71.679**	**1.0592**	**58.615**	**4.0645**	**.83530**	**52.614**	**.47656**
Stddev	.00219	.00232	.05	.310	.0076	.014	.0327	.00089	.048	.00042
%RSD	.68664	.38465	.03304	.43283	.71983	.02352	.80515	.10662	.09145	.08918
#1	.32044	.60409	151.13	71.898	1.0646	58.605	4.0414	.83593	52.648	.47626
#2	.31734	.60081	151.06	71.460	1.0538	58.625	4.0877	.83467	52.580	.47686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.671**	**1.8246**	**2.0105**	**.18487**	**1.7518**	**10.331**	**22.108**	**1.6687**	**1.9158**	**.98186**
Stddev	.001	.0046	.0071	.00194	.0034	.147	.315	.0047	.0066	.00413
%RSD	.00908	.25509	.35192	1.0485	.19470	1.4236	1.4236	.28259	.34418	.42042
#1	10.671	1.8279	2.0155	.18350	1.7493	10.227	21.886	1.6653	1.9205	.97894
#2	10.672	1.8213	2.0055	.18624	1.7542	10.435	22.331	1.6720	1.9112	.98478
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6787**	**1.6025**	**1.5618**	**.71104**	**1.3050**	**.58464**
Stddev	.0059	.0008	.0383	.00095	.0001	.00101
%RSD	.10409	.04684	2.4545	.13377	.00383	.17288
#1	5.6828	1.6020	1.5889	.71036	1.3050	.58392
#2	5.6745	1.6030	1.5347	.71171	1.3050	.58535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4539.3**	**69760.**	**7215.9**
Stddev	.0	102.	45.8
%RSD	.00019	.14641	.63536
#1	4539.3	69832.	7183.4
#2	4539.4	69687.	7248.3

Sample Name: 280-27433-a-2-d Acquired: 4/10/2012 21:11:08 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02280**	**58.656**	**.17788**	**.15290**	**2.9214**	**.00810**	**.00379**	**71.927**	**.07276**	**.04171**
Stddev	.00033	.417	.00196	.00100	.0115	.00010	.00060	.552	.00054	.00017
%RSD	1.4557	.71144	1.1026	.65093	.39218	1.2279	15.813	.76791	.73990	.39961
#1	.02257	58.361	.17926	.15360	2.9133	.00817	.00421	71.537	.07314	.04183
#2	.02304	58.951	.17649	.15219	2.9295	.00803	.00336	72.318	.07238	.04159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08132**	**1.6401**	**165.83**	**8.4535**	**.05490**	**8.4472**	**3.0026**	**.05935**	**4.9681**	**.09733**
Stddev	.00008	.0010	1.42	.0699	.00160	.0126	.0397	.00092	.0330	.00019
%RSD	.10432	.06423	.85844	.82672	2.9074	.14887	1.3235	1.5586	.66499	.19853
#1	.08126	1.6409	164.82	8.4040	.05377	8.4561	3.0307	.05869	4.9447	.09747
#2	.08138	1.6394	166.84	8.5029	.05603	8.4383	2.9745	.06000	4.9915	.09720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6275**	**5.1079**	**13.448**	**.06252**	**.01431**	**16.883**	**36.129**	**.17725**	**1.1944**	**.03911**
Stddev	.0122	.0190	.017	.00058	.00070	.107	.229	.00102	.0053	.00225
%RSD	.33517	.37155	.12863	.92967	4.8893	.63417	.63417	.57482	.44704	5.7591
#1	3.6361	5.1213	13.460	.06211	.01382	16.807	35.967	.17653	1.1906	.04071
#2	3.6190	5.0945	13.436	.06293	.01481	16.959	36.291	.17797	1.1982	.03752
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0318**	**.00118**	W **-.07105**	**.16253**	**7.1973**	**.13774**
Stddev	.0040	.00072	.00601	.00009	.0077	.00094
%RSD	.13224	61.226	8.4641	.05300	.10715	.68269
#1	3.0347	.00168	-.07530	.16259	7.1918	.13707
#2	3.0290	.00067	-.06680	.16246	7.2027	.13840
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4261.6**	**66456.**	**6530.5**
Stddev	21.8	300.	29.8
%RSD	.51160	.45144	.45560
#1	4246.2	66244.	6551.5
#2	4277.0	66668.	6509.5

Sample Name: 280-27433-a-3-e Acquired: 4/10/2012 21:13:29 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00727**	**90.417**	**.09369**	**.06208**	**1.9554**	**.00781**	**-.00171**	**46.868**	**.03503**	**.05307**
Stddev	.00038	.376	.00342	.00029	.0119	.00001	.00061	.097	.00002	.00010
%RSD	5.2336	.41588	3.6484	.46169	.61043	.12601	35.639	.20794	.05540	.18301
#1	.00754	90.683	.09127	.06228	1.9638	.00781	-.00214	46.937	.03501	.05314
#2	.00700	90.151	.09610	.06188	1.9470	.00780	-.00128	46.799	.03504	.05300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33879**	**.66679**	**175.31**	**20.243**	**.08187**	**18.164**	**2.8003**	**.07788**	**4.7704**	**.19567**
Stddev	.00023	.00057	.74	.093	.00116	.010	.0312	.00021	.0141	.00024
%RSD	.06848	.08484	.42468	.45846	1.4219	.05334	1.1133	.27123	.29571	.12205
#1	.33895	.66719	175.84	20.309	.08269	18.171	2.8223	.07773	4.7803	.19584
#2	.33862	.66639	174.79	20.177	.08105	18.157	2.7782	.07803	4.7604	.19550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.9438**	**2.6003**	**5.3516**	**.00980**	**-.00093**	**8.3772**	**17.927**	**.06060**	**.79978**	**.09641**
Stddev	.0318	.0033	.0284	.00008	.00353	.1798	.385	.00084	.00491	.00154
%RSD	.64318	.12538	.53141	.82612	381.05	2.1463	2.1463	1.3818	.61442	1.5958
#1	4.9663	2.6026	5.3718	.00986	.00157	8.5043	18.199	.06001	.80325	.09532
#2	4.9213	2.5980	5.3315	.00975	-.00342	8.2500	17.655	.06119	.79630	.09750
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1362**	**-.00193**	F **-.17641**	**.20600**	**2.4801**	**.11385**
Stddev	.0066	.00115	.00235	.00021	.0085	.00024
%RSD	.20884	59.692	1.3320	.10339	.34165	.21241
#1	3.1408	-.00112	-.17807	.20585	2.4861	.11402
#2	3.1315	-.00275	-.17475	.20615	2.4741	.11368
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4488.2**	**69533.**	**6823.2**
Stddev	11.3	62.	3.3
%RSD	.25253	.08901	.04815
#1	4480.2	69489.	6820.9
#2	4496.2	69576.	6825.6

Sample Name: 280-27433-a-4-c Acquired: 4/10/2012 21:15:47 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**39.168**	**.03173**	**.00617**	**.55455**	**.00505**	**-.00425**	**13.131**	**.00040**	**.02035**
Stddev	.00047	.024	.00403	.00011	.00035	.00001	.00100	.010	.00006	.00012
%RSD	209.71	.06148	12.707	1.7149	.06337	.12363	23.649	.07789	15.560	.61193
#1	.00011	39.185	.02888	.00610	.55480	.00504	-.00354	13.139	.00044	.02026
#2	-.00056	39.151	.03458	.00625	.55430	.00505	-.00496	13.124	.00035	.02044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03832**	**.07832**	**139.95**	**10.229**	**.04886**	**9.7635**	**1.5294**	**.00337**	**.74840**	**.02331**
Stddev	.00025	.00016	.12	.061	.00023	.0203	.0026	.00009	.00418	.00041
%RSD	.65672	.20559	.08811	.59743	.48065	.20819	.16827	2.5461	.55872	1.7603
#1	.03850	.07844	140.03	10.272	.04870	9.7778	1.5312	.00331	.75135	.02360
#2	.03814	.07821	139.86	10.186	.04903	9.7491	1.5276	.00343	.74544	.02302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9689**	**.04558**	**.14177**	**-.00626**	**-.00475**	**3.1565**	**6.7549**	**.01176**	**.15858**	**.07390**
Stddev	.0172	.00182	.00349	.00175	.00325	.0308	.0658	.00072	.00005	.00141
%RSD	.58084	3.9902	2.4645	28.001	68.362	.97443	.97443	6.1154	.03184	1.9044
#1	2.9811	.04686	.14424	-.00502	-.00246	3.1782	6.8014	.01227	.15862	.07490
#2	2.9567	.04429	.13930	-.00750	-.00705	3.1347	6.7083	.01125	.15854	.07291
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6485**	**-.00292**	F **-.25162**	**.16141**	**.22136**	**.05137**
Stddev	.0056	.00101	.01671	.00013	.00058	.00140
%RSD	.34261	34.736	6.6405	.08182	.26142	2.7341
#1	1.6525	-.00363	-.26343	.16151	.22095	.05236
#2	1.6445	-.00220	-.23980	.16132	.22177	.05038
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4648.2**	**72639.**	**6918.9**
Stddev	5.2	170.	12.4
%RSD	.11198	.23468	.17971
#1	4644.5	72519.	6927.7
#2	4651.9	72760.	6910.1

Sample Name: CCVH-1351956 Acquired: 4/10/2012 21:18:07 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00194**	**53.761**	**-.00296**	**.00102**	**.00060**	**.00008**	**1.0114**	**-.00542**	**.00004**	**.00039**	**.00024**	**.00230**
Stddev	.00011	.175	.00289	.00003	.00012	.00004	.0022	.00212	.00021	.00010	.00015	.00054
%RSD	5.8060	.32520	97.586	3.2610	20.329	53.656	.21516	39.126	543.17	25.180	60.265	23.382
#1	.00202	53.638	-.00092	.00104	.00051	.00005	1.0130	-.00392	.00019	.00045	.00014	.00268
#2	.00186	53.885	-.00500	.00099	.00069	.00011	1.0099	-.00691	-.00011	.00032	.00035	.00192
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.178**	**.05635**	**.00113**	**.01778**	**.00003**	**-.00071**	W **275.44**	**.00181**	**.00086**	**-.00174**	**5.0201**	**-.00474**
Stddev	.092	.01951	.00088	.00092	.00006	.00023	.90	.00036	.00016	.00029	.0018	.00192
%RSD	.16968	34.627	78.209	5.1732	208.37	32.669	.32638	20.099	18.101	16.820	.03589	40.531
#1	54.113	.07015	.00050	.01843	.00007	-.00054	274.80	.00156	.00097	-.00154	5.0214	-.00338
#2	54.243	.04255	.00175	.01713	-.00001	-.00087	276.07	.00207	.00075	-.00195	5.0188	-.00610
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Pass	None
Value							250.00					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**.01274**	**.02727**	**.00165**	**.00039**	**5.0629**	**.00386**	**.00018**	**10.025**	**.00140**	**.00043**	**.01423**
Stddev	.00806	.00477	.01021	.00007	.00002	.0111	.00055	.00020	.005	.00032	.00046	.00052
%RSD	252.86	37.430	37.430	4.2713	5.4214	.21924	14.192	112.03	.05063	22.642	107.17	3.6828
#1	-.00251	.01612	.03449	.00160	.00037	5.0551	.00425	.00004	10.029	.00118	.00076	.01386
#2	.00889	.00937	.02005	.00170	.00040	5.0708	.00347	.00032	10.022	.00162	.00010	.01461
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4064.7**	**62556.**	**6054.1**
Stddev	13.8	194.	29.5
%RSD	.33999	.31018	.48654
#1	4054.9	62693.	6074.9
#2	4074.5	62419.	6033.3

Sample Name: CCV-1351954 Acquired: 4/10/2012 21:20:27 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51124**	**.49420**	**.93816**	**.49522**	**.54175**	**.50435**	**-.00093**	**5.1525**	**.50629**	**.49936**	**.50154**	**.51826**	**2.7034**
Stddev	.00359	.00109	.00209	.00238	.00127	.00225	.00027	.0250	.00269	.00192	.00171	.00304	.0134
%RSD	.70242	.22056	.22233	.48073	.23534	.44663	28.926	.48536	.53177	.38456	.34031	.58634	.49441
#1	.51378	.49497	.93964	.49691	.54266	.50594	-.00112	5.1702	.50820	.50072	.50274	.52041	2.7129
#2	.50870	.49343	.93669	.49354	.54085	.50276	-.00074	5.1348	.50439	.49800	.50033	.51611	2.6940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.014**	**1.0743**	**19.600**	**.50289**	**.49798**	**5.2167**	**.50023**	**.96058**	**.94290**	**.00976**	**.98275**	**1.0351**	**5.0933**
Stddev	.150	.0029	.130	.00317	.00360	.0131	.00349	.00477	.00800	.00603	.00796	.0035	.0168
%RSD	.27726	.26613	.66414	.62944	.72383	.25081	.69845	.49671	.84879	61.808	.80962	.33581	.32897
#1	54.120	1.0764	19.692	.50513	.50053	5.2259	.50270	.96396	.94855	.01403	.98838	1.0375	5.1051
#2	53.908	1.0723	19.508	.50065	.49543	5.2074	.49776	.95721	.93724	.00549	.97713	1.0326	5.0814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.900**	**1.0092**	**.52842**	**-.00216**	**.49281**	**1.0411**	**.01400**	**.50131**	**.47369**	**.53537**
Stddev	.036	.0033	.00223	.00100	.00192	.0064	.00754	.00346	.00296	.00418
%RSD	.32897	.32614	.42271	46.215	.38923	.61490	53.830	.68972	.62415	.78168
#1	10.925	1.0115	.53000	-.00145	.49417	1.0456	.01933	.50376	.47578	.53833
#2	10.874	1.0068	.52684	-.00287	.49145	1.0366	.00867	.49887	.47160	.53241
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.1**	**64091.**	**6057.3**
Stddev	5.3	265.	8.6
%RSD	.12918	.41306	.14194
#1	4126.3	63904.	6051.2
#2	4133.9	64278.	6063.3

Sample Name: CCB Acquired: 4/10/2012 21:22:40 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00117	.00004	.00013	-.00014	.00030	-.00004	-.00257	.00543	.00019	-.00014	-.00010
Stddev	.00012	.00018	.00058	.00019	.00001	.00002	.00067	.00047	.00000	.00017	.00007
%RSD	10.455	468.27	430.06	135.13	4.6048	41.826	25.864	8.5814	.83011	117.43	68.879
#1	.00108	.00017	.00054	-.00028	.00031	-.00003	-.00305	.00576	.00019	-.00002	-.00005
#2	.00126	-.00009	-.00027	-.00001	.00029	-.00006	-.00210	.00510	.00019	-.00026	-.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00214	.00246	.02576	.00063	.00430	.00000	.00070	.00048	-.00020	.00010	.00129
Stddev	.00014	.00315	.02148	.00144	.00067	.0000	.00046	.00151	.00015	.00154	.00033
%RSD	6.6419	128.42	83.410	230.81	15.479	429.21	65.694	312.22	73.890	1469.8	25.265
#1	-.00224	.00023	.01057	.00165	.00383	.00001	.00037	-.00058	-.00010	-.00098	.00106
#2	-.00204	.00469	.04095	-.00040	.00477	-.00001	.00102	.00155	-.00031	.00119	.00152
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00811	.00139	.00225	.00201	.00429	.00146	.00002	-.00018	.00014	-.00063	.02390
Stddev	.00079	.00039	.00403	.00247	.00528	.00059	.00006	.00041	.00001	.00107	.01847
%RSD	9.7398	27.871	178.81	123.02	123.02	40.237	339.74	221.62	5.2523	168.89	77.268
#1	.00755	.00111	-.00060	.00375	.00803	.00104	-.00003	.00010	.00015	-.00139	.01084
#2	.00866	.00166	.00511	.00026	.00056	.00187	.00006	-.00047	.00014	.00012	.03696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.00045	.00123	.00051
Stddev	.00060	.00013	.00089
%RSD	134.55	10.367	175.32
#1	.00002	.00132	.00113
#2	.00087	.00114	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4161.7	65708.	6008.7
Stddev	17.6	215.	47.1
%RSD	.42406	.32742	.78373
#1	4149.3	65860.	6042.0
#2	4174.2	65556.	5975.4

Sample Name: CCVL1351959 Acquired: 4/10/2012 21:25:06 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01122**	**.10163**	**.01648**	**.09430**	**.01121**	**.00102**	**.10571**	**.20581**	**.00510**	**.01014**	**.01018**	**.01434**	**.10939**	**3.3665**
Stddev	.00020	.00037	.00041	.00073	.00048	.00000	.00092	.00242	.00001	.00013	.00025	.00008	.00096	.0283
%RSD	1.7936	.36612	2.4741	.77321	4.2669	.47871	.86631	1.1761	.16863	1.2450	2.4120	.58268	.87306	.84071
#1	.01108	.10137	.01677	.09481	.01088	.00101	.10506	.20410	.00509	.01005	.01036	.01428	.10872	3.3465
#2	.01136	.10189	.01620	.09378	.01155	.00102	.10636	.20752	.00511	.01023	.01001	.01440	.11007	3.3866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01196**	**.20263**	**.01030**	**.01956**	**1.0840**	**.04063**	**2.7404**	**.00867**	**.00556**	**.00711**	**.01788**	**.50233**	**1.0750**	**.10211**
Stddev	.00142	.00416	.00002	.00001	.0127	.00011	.0023	.00233	.00185	.00033	.00451	.00560	.0120	.00074
%RSD	11.888	2.0509	.19727	.03204	1.1750	.26237	.08333	26.842	33.280	4.5694	25.197	1.1149	1.1149	.72518
#1	.01095	.20557	.01032	.01955	1.0750	.04070	2.7388	.01031	.00687	.00734	.02107	.49837	1.0665	.10263
#2	.01296	.19969	.01029	.01956	1.0930	.04055	2.7420	.00702	.00425	.00688	.01470	.50629	1.0835	.10158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01075**	**.01470**	**.00950**	**.01529**	**.07390**	**.01020**	**.01991**	**.01675**
Stddev	.00020	.00055	.00021	.00106	.00630	.00050	.00026	.00196
%RSD	1.9067	3.7398	2.2394	6.9225	8.5310	4.8696	1.2999	11.702
#1	.01060	.01509	.00935	.01454	.07836	.01055	.02010	.01537
#2	.01089	.01431	.00965	.01603	.06944	.00985	.01973	.01814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4199.4**	**65751.**	**6095.5**
Stddev	5.8	285.	43.8
%RSD	.13737	.43283	.71793
#1	4203.5	65550.	6126.4
#2	4195.3	65952.	6064.6

Sample Name: mb 280-114839/1-a Acquired: 4/10/2012 21:27:30 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00108	.00977	.00190	F .01213	.00115	.00001	-.00129	.08737	.00018	-.00008
Stddev	.00035	.00018	.00379	.00032	.00002	.00001	.00152	.00044	.00009	.00001
%RSD	32.565	1.8632	199.82	2.6484	1.7560	92.404	117.94	.50627	52.513	14.353
#1	.00083	.00990	-.00078	.01190	.00117	.00002	-.00021	.08768	.00011	-.00009
#2	.00133	.00964	.00458	.01236	.00114	.00000	-.00237	.08705	.00024	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	-.00039	.02024	.05876	.00024	.01505	.00047	-.00024	.28822	.00003
Stddev	.00004	.00013	.00057	.01880	.00031	.00339	.00003	.00000	.00002	.00011
%RSD	9.4044	33.205	2.8195	31.994	128.46	22.553	6.1906	.38187	.00808	412.34
#1	.00045	-.00048	.01984	.07205	.00046	.01745	.00045	-.00024	.28824	.00011
#2	.00039	-.00030	.02065	.04547	.00002	.01265	.00049	-.00024	.28821	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00287	.00163	F .03251	-.00117	.00076	F .05870	.12563	.00916	.00022	-.00006
Stddev	.00070	.00074	.00126	.00220	.00608	.00519	.01111	.00030	.00001	.00090
%RSD	24.414	45.531	3.8697	188.54	794.72	8.8431	8.8431	3.3206	3.0250	1490.3
#1	.00336	.00215	.03340	-.00272	.00506	.05503	.11777	.00938	.00022	-.00069
#2	.00237	.00110	.03162	.00039	-.00353	.06237	.13348	.00895	.00021	.00057
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	-.00241	.01380	-.00013	.00405	-.00002
Stddev	.00007	.00030	.00946	.00011	.00027	.00024
%RSD	17.843	12.384	68.542	87.336	6.7433	1141.2
#1	.00035	-.00262	.02049	-.00020	.00424	-.00019
#2	.00045	-.00220	.00711	-.00005	.00385	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4239.0	67443.	6180.8
Stddev	6.1	38.	84.3
%RSD	.14370	.05590	1.3644
#1	4243.3	67417.	6121.1
#2	4234.7	67470.	6240.4

Sample Name: lcs 280-114839/2-a Acquired: 4/10/2012 21:29:56 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05429	1.8936	.97597	1.0588	2.1892	.05155	2.1338	51.391	.10437	.50031
Stddev	.00116	.0036	.00313	.0040	.0131	.00068	.0010	.409	.00015	.00085
%RSD	2.1440	.18950	.32092	.37813	.60030	1.3226	.04554	.79604	.14047	.16995
#1	.05346	1.8961	.97818	1.0616	2.1985	.05203	2.1331	51.680	.10448	.50091
#2	.05511	1.8910	.97375	1.0560	2.1799	.05107	2.1344	51.101	.10427	.49971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20456	.26729	1.0977	F 55.138	1.0926	48.898	.51586	1.0242	F 57.558	.50647
Stddev	.00028	.00197	.0077	.170	.0047	.282	.00240	.0008	.178	.00074
%RSD	.13700	.73720	.70224	.30781	.43252	.57633	.46527	.08281	.30991	.14677
#1	.20437	.26589	1.1032	55.258	1.0959	48.699	.51416	1.0248	57.684	.50700
#2	.20476	.26868	1.0923	55.018	1.0893	49.097	.51755	1.0236	57.432	.50595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				55.000					56.000	
Low Limit				44.500					45.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.038	.47884	.04500	.48125	2.0926	2.0259	F 4.3355	2.0550	1.0835	1.0337
Stddev	.014	.00286	.00075	.00253	.0017	.0037	.0080	.0039	.0062	.0088
%RSD	.13741	.59629	1.6725	.52553	.08303	.18484	.18484	.18787	.56764	.84605
#1	10.048	.48086	.04553	.48303	2.0939	2.0286	4.3411	2.0578	1.0878	1.0275
#2	10.029	.47682	.04447	.47946	2.0914	2.0233	4.3298	2.0523	1.0791	1.0399
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0219	2.0599	F 2.2225	.51519	.47411	.54563
Stddev	.0059	.0018	.0223	.00256	.00206	.00375
%RSD	.57614	.08508	1.0057	.49782	.43553	.68719
#1	1.0177	2.0612	2.2067	.51337	.47557	.54828
#2	1.0260	2.0587	2.2383	.51700	.47265	.54298
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3979.1	62093.	6063.1
Stddev	6.2	292.	6.9
%RSD	.15502	.46987	.11361
#1	3974.8	62299.	6067.9
#2	3983.5	61886.	6058.2

Sample Name: 280-27405-a-1-b Acquired: 4/10/2012 21:32:07 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**69.934**	**.04863**	**.01454**	**.82412**	**.00399**	**-.00392**	**13.783**	**.00176**	**.04796**
Stddev	.00012	.166	.00357	.00034	.00357	.00004	.00011	.002	.00002	.00034
%RSD	10.653	.23738	7.3351	2.3391	.43377	.94533	2.9175	.01501	1.0664	.70291
#1	.00120	70.052	.05115	.01478	.82665	.00396	-.00384	13.784	.00174	.04820
#2	.00103	69.817	.04610	.01430	.82160	.00402	-.00400	13.781	.00177	.04772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11231**	**.26022**	**110.73**	**4.9693**	**.05220**	**9.7055**	**4.3762**	**.00550**	**.47777**	**.07993**
Stddev	.00023	.00211	.28	.0084	.00078	.0950	.0002	.00081	.01171	.00026
%RSD	.20861	.81064	.25638	.16878	1.4882	.97917	.00521	14.805	2.4513	.32436
#1	.11248	.25873	110.93	4.9634	.05274	9.6383	4.3760	.00492	.48605	.07975
#2	.11215	.26171	110.53	4.9752	.05165	9.7727	4.3764	.00607	.46949	.08012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2913**	**.25348**	**.65971**	**.00025**	**-.00041**	**3.8258**	**8.1873**	**.02429**	**.09272**	**.03708**
Stddev	.0022	.00195	.00324	.00180	.00385	.0240	.0513	.00192	.00043	.00140
%RSD	.09660	.76774	.49093	733.10	930.49	.62615	.62615	7.8995	.45981	3.7845
#1	2.2929	.25485	.66200	-.00103	-.00313	3.8089	8.1510	.02293	.09302	.03608
#2	2.2898	.25210	.65742	.00152	.00231	3.8428	8.2235	.02564	.09242	.03807
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4751**	**-.00118**	F **-.15259**	**.17915**	**.44467**	**.01969**
Stddev	.0134	.00007	.00112	.00025	.00108	.00158
%RSD	.90896	5.6838	.73683	.13729	.24292	7.9981
#1	1.4656	-.00114	-.15339	.17897	.44391	.01858
#2	1.4846	-.00123	-.15180	.17932	.44543	.02081
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4461.3**	**68841.**	**6761.7**
Stddev	11.0	366.	3.8
%RSD	.24646	.53096	.05667
#1	4469.0	69100.	6764.4
#2	4453.5	68583.	6759.0

Sample Name: 280-27405-a-2-b Acquired: 4/10/2012 21:34:29 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00352**	**62.712**	**.04756**	**.01560**	**.92855**	**.00404**	**.03011**	**12.723**	**.00214**	**.04584**
Stddev	.00008	.197	.00033	.00024	.00314	.00003	.00153	.030	.00001	.00012
%RSD	2.3376	.31458	.68519	1.5136	.33795	.63937	5.0834	.23499	.25385	.27199
#1	.00357	62.852	.04733	.01543	.93077	.00406	.02903	12.744	.00213	.04593
#2	.00346	62.573	.04779	.01577	.92633	.00402	.03119	12.702	.00214	.04576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09519**	**5.3593**	**101.35**	**5.3173**	**.04950**	**9.6334**	**6.0876**	**.00402**	**.51122**	**1.1192**
Stddev	.00009	.0368	.30	.0152	.00074	.0623	.0983	.00019	.00067	.0022
%RSD	.09838	.68747	.30074	.28483	1.4980	.64650	1.6146	4.6769	.13035	.19853
#1	.09526	5.3332	101.56	5.3066	.04898	9.5894	6.0181	.00389	.51074	1.1207
#2	.09513	5.3853	101.13	5.3280	.05003	9.6775	6.1571	.00416	.51169	1.1176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2846**	W **52.820**	**1.3762**	**.84104**	**-.00055**	**5.1961**	**11.120**	**.03994**	**.06794**	**.02597**
Stddev	.0091	.217	.0020	.00177	.00785	.0029	.006	.00000	.00023	.00125
%RSD	.27814	.41142	.14585	.20989	1435.1	.05532	.05532	.01088	.33448	4.8090
#1	3.2911	52.973	1.3776	.84229	.00500	5.1981	11.124	.03994	.06810	.02509
#2	3.2782	52.666	1.3748	.83979	-.00610	5.1941	11.115	.03994	.06778	.02686
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91832**	**-.00225**	F **-.11760**	**.15324**	**.62393**	**.01361**
Stddev	.00241	.00091	.00717	.00074	.00046	.00033
%RSD	.26269	40.202	6.0976	.47985	.07417	2.4379
#1	.92003	-.00290	-.12267	.15272	.62360	.01337
#2	.91662	-.00161	-.11253	.15376	.62425	.01384
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4364.1**	**67976.**	**6622.5**
Stddev	3.6	409.	2.4
%RSD	.08304	.60207	.03571
#1	4361.6	68266.	6624.2
#2	4366.7	67687.	6620.9

Sample Name: 280-27405-a-3-b Acquired: 4/10/2012 21:36:51 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**67.572**	**.03958**	**.03087**	**.92697**	**.00364**	**.03470**	**36.531**	**.00311**	**.04243**
Stddev	.00040	.149	.00212	.00038	.00259	.00005	.00112	.182	.00019	.00012
%RSD	22.423	.22072	5.3614	1.2176	.27890	1.2922	3.2146	.49921	6.1933	.28955
#1	.00151	67.467	.03808	.03114	.92514	.00368	.03392	36.402	.00325	.04252
#2	.00207	67.677	.04108	.03060	.92880	.00361	.03549	36.660	.00297	.04234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10404**	**3.2778**	**100.82**	**7.8298**	**.05375**	**11.509**	**4.9223**	**.00383**	**.42093**	**.46312**
Stddev	.00066	.0327	.45	.0009	.00035	.099	.0538	.00014	.01682	.00135
%RSD	.63528	.99696	.44995	.01162	.65114	.85936	1.0934	3.5988	3.9953	.29099
#1	.10357	3.2547	100.50	7.8305	.05350	11.439	4.8843	.00393	.40904	.46217
#2	.10451	3.3010	101.14	7.8292	.05400	11.579	4.9604	.00373	.43282	.46407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.4196**	W **40.968**	**3.1651**	**.13092**	**.00168**	**3.7533**	**8.0320**	**.01740**	**.13973**	**.02341**
Stddev	.0016	.058	.0136	.00022	.00124	.0205	.0439	.00042	.00031	.00049
%RSD	.04656	.14095	.42904	.16548	74.006	.54688	.54688	2.4119	.21877	2.1106
#1	3.4207	40.927	3.1747	.13077	.00080	3.7678	8.0631	.01770	.13951	.02306
#2	3.4185	41.009	3.1555	.13108	.00255	3.7388	8.0010	.01711	.13995	.02376
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0122**	**-.00096**	F **-.12861**	**.17035**	**.63244**	**.01556**
Stddev	.0048	.00131	.01388	.00094	.00009	.00147
%RSD	.47224	136.08	10.790	.54901	.01449	9.4320
#1	1.0088	-.00004	-.13842	.16968	.63251	.01660
#2	1.0156	-.00188	-.11880	.17101	.63238	.01453
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4338.3**	**67465.**	**6646.3**
Stddev	8.1	516.	18.4
%RSD	.18575	.76555	.27690
#1	4344.0	67830.	6659.3
#2	4332.6	67099.	6633.3

Sample Name: 280-27405-a-4-d Acquired: 4/10/2012 21:39:12 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**70.337**	**.04163**	**.01439**	**.70794**	**.00356**	**-.00240**	**11.523**	**.00089**	**.05445**
Stddev	.00065	.881	.00306	.00046	.00924	.00001	.00077	.103	.00012	.00014
%RSD	52.850	1.2521	7.3435	3.2000	1.3047	.15972	31.939	.89291	13.944	.25440
#1	.00169	70.960	.04380	.01472	.71448	.00356	-.00294	11.596	.00080	.05455
#2	.00077	69.715	.03947	.01406	.70141	.00357	-.00186	11.450	.00097	.05435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09482**	**.44536**	**104.28**	**5.9574**	**.05537**	**10.386**	**5.5675**	**.00474**	**.42728**	**.07385**
Stddev	.00007	.00136	1.42	.1266	.00088	.032	.0735	.00008	.00633	.00057
%RSD	.07167	.30613	1.3641	2.1246	1.5973	.30650	1.3195	1.7381	1.4820	.77488
#1	.09477	.44439	105.29	6.0469	.05599	10.408	5.6195	.00468	.43176	.07345
#2	.09486	.44632	103.27	5.8679	.05474	10.363	5.5156	.00479	.42281	.07426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2489**	**5.2050**	**.93470**	**.01782**	**.00222**	**4.7091**	**10.078**	**.01084**	**.07856**	**.03444**
Stddev	.0002	.0063	.00065	.00015	.00025	.0732	.157	.00022	.00089	.00138
%RSD	.00865	.12193	.06942	.82653	11.164	1.5551	1.5551	1.9913	1.1380	4.0025
#1	2.2488	5.2005	.93424	.01793	.00239	4.7609	10.188	.01069	.07919	.03346
#2	2.2491	5.2095	.93515	.01772	.00204	4.6574	9.9667	.01100	.07793	.03541
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2861**	**-.00228**	F **-.15602**	**.17565**	**.40531**	**.01475**
Stddev	.0065	.00074	.01921	.00018	.00069	.00088
%RSD	.50343	32.563	12.311	.10513	.16907	5.9366
#1	1.2815	-.00280	-.16960	.17552	.40579	.01537
#2	1.2906	-.00175	-.14244	.17578	.40483	.01413
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4422.5**	**68541.**	**6706.6**
Stddev	5.5	305.	49.6
%RSD	.12500	.44475	.73884
#1	4418.6	68326.	6671.6
#2	4426.5	68757.	6741.6

Sample Name: 280-27405-a-4-dSD@5 Acquired: 4/10/2012 21:41:36 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**15.543**	**.01019**	**.00288**	**.15601**	**.00078**	**-.00084**	**2.5478**	**.00018**	**.01214**
Stddev	.00005	.040	.00320	.00010	.00044	.00007	.00086	.0106	.00001	.00019
%RSD	4.2551	.25787	31.393	3.3081	.28266	8.8771	101.96	.41654	3.1068	1.5717
#1	.00128	15.515	.00793	.00281	.15570	.00082	-.00145	2.5403	.00019	.01201
#2	.00120	15.572	.01245	.00294	.15632	.00073	-.00024	2.5553	.00018	.01228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02111**	**.09521**	**22.690**	**1.3179**	**.01346**	**2.3465**	**1.2722**	**.00083**	**.07693**	**.01654**
Stddev	.00009	.00050	.073	.0042	.00026	.0070	.0001	.00019	.00602	.00006
%RSD	.42484	.52844	.32201	.31787	1.9497	.29937	.00693	22.885	7.8260	.36651
#1	.02118	.09556	22.639	1.3149	.01364	2.3514	1.2722	.00070	.07267	.01650
#2	.02105	.09485	22.742	1.3208	.01327	2.3415	1.2721	.00097	.08119	.01658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49415**	**1.1773**	**.21787**	**.00145**	**.00027**	**1.0268**	**2.1973**	**.00352**	**.01736**	**.00682**
Stddev	.00315	.0005	.00277	.00144	.00332	.0231	.0495	.00061	.00013	.00009
%RSD	.63672	.03984	1.2707	99.660	1235.8	2.2504	2.2504	17.441	.77406	1.3144
#1	.49193	1.1769	.21983	.00043	-.00208	1.0105	2.1624	.00309	.01727	.00688
#2	.49638	1.1776	.21591	.00247	.00261	1.0431	2.2323	.00395	.01746	.00675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27822**	**-.00171**	**-.02689**	**.03812**	**.09088**	**.00366**
Stddev	.00030	.00008	.01226	.00028	.00029	.00209
%RSD	.10634	4.4465	45.599	.74466	.31832	57.142
#1	.27843	-.00176	-.03556	.03832	.09067	.00218
#2	.27801	-.00165	-.01822	.03792	.09108	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4261.7**	**66642.**	**6404.0**
Stddev	13.2	6.	29.2
%RSD	.31022	.00886	.45590
#1	4252.3	66638.	6424.7
#2	4271.0	66647.	6383.4

Sample Name: 280-27405-a-4-e ms Acquired: 4/10/2012 21:43:57 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05130**	**118.84**	**.93107**	**.91667**	**2.9142**	**.05087**	F **1.9397**	**62.121**	**.09637**	**.50410**
Stddev	.00024	.03	.00183	.00225	.0062	.00021	.0005	.015	.00032	.00147
%RSD	.45850	.02275	.19695	.24523	.21220	.42185	.02661	.02466	.33399	.29084
#1	.05113	118.82	.92977	.91508	2.9098	.05072	1.9393	62.131	.09614	.50306
#2	.05146	118.86	.93236	.91826	2.9185	.05102	1.9400	62.110	.09660	.50514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31345**	**.69882**	**102.70**	**65.174**	**1.0907**	**58.336**	**5.8850**	**.91621**	**53.745**	**.53845**
Stddev	.00034	.00706	.15	.085	.0012	.606	.0218	.00167	.246	.00133
%RSD	.10852	1.0096	.14700	.13094	.10835	1.0386	.37079	.18257	.45737	.24657
#1	.31321	.69384	102.81	65.114	1.0915	57.908	5.8696	.91503	53.918	.53751
#2	.31369	.70381	102.59	65.235	1.0899	58.764	5.9004	.91740	53.571	.53939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.886**	**5.3380**	**1.0359**	**.31416**	**1.8878**	**7.7718**	**16.632**	**1.7781**	**1.1325**	**.91974**
Stddev	.028	.0159	.0022	.00327	.0034	.0080	.017	.0072	.0015	.01099
%RSD	.25272	.29691	.20894	1.0408	.18082	.10290	.10290	.40417	.12952	1.1951
#1	10.866	5.3268	1.0344	.31647	1.8854	7.7775	16.644	1.7731	1.1314	.91196
#2	10.905	5.3492	1.0374	.31185	1.8902	7.7661	16.620	1.7832	1.1335	.92751
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1276**	**1.8072**	**1.8727**	**.71600**	**.85024**	**.45329**
Stddev	.0312	.0047	.0341	.00574	.00733	.00277
%RSD	.99750	.26244	1.8203	.80129	.86265	.61215
#1	3.1056	1.8039	1.8486	.71195	.84505	.45133
#2	3.1497	1.8106	1.8968	.72006	.85543	.45526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4247.2**	**65016.**	**6472.7**
Stddev	3.8	325.	12.8
%RSD	.09040	.49937	.19823
#1	4249.9	65245.	6463.7
#2	4244.4	64786.	6481.8

Sample Name: 280-27405-a-4-f msd Acquired: 4/10/2012 21:46:11 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05110	128.10	.93711	.91982	3.0018	.05128	F 1.9484	63.647	.09657	.50971
Stddev	.00064	.91	.00749	.00129	.0231	.00033	.0053	.522	.00032	.00042
%RSD	1.2516	.71314	.79947	.14072	.76804	.65109	.27433	.82080	.33481	.08326
#1	.05065	128.75	.93181	.91891	3.0181	.05151	1.9447	64.017	.09634	.50941
#2	.05155	127.45	.94241	.92074	2.9855	.05104	1.9522	63.278	.09680	.51001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.34240	.75188	116.44	65.598	1.1016	59.519	6.0813	.92445	54.255	.54804
Stddev	.00062	.00345	1.28	.506	.0034	.185	.0184	.00021	.032	.00023
%RSD	.18013	.45900	1.1008	.77165	.30888	.31130	.30177	.02323	.05869	.04108
#1	.34196	.74944	117.34	65.956	1.1040	59.388	6.0683	.92430	54.277	.54788
#2	.34283	.75432	115.53	65.240	1.0992	59.650	6.0943	.92460	54.232	.54820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.235	6.2459	1.1915	.30804	1.8958	7.4668	15.979	1.7748	1.1451	.91488
Stddev	.029	.0147	.0027	.00219	.0053	.0922	.197	.0034	.0093	.00446
%RSD	.26036	.23613	.22468	.71240	.28082	1.2347	1.2347	.19002	.80986	.48750
#1	11.214	6.2354	1.1896	.30649	1.8996	7.5320	16.119	1.7772	1.1517	.91173
#2	11.255	6.2563	1.1934	.30960	1.8921	7.4016	15.840	1.7725	1.1386	.91804
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2945	1.8034	1.8628	.74046	.91676	.44158
Stddev	.0127	.0026	.0041	.00291	.00478	.00293
%RSD	.38503	.14532	.21884	.39319	.52112	.66407
#1	3.2856	1.8016	1.8599	.73840	.91338	.44365
#2	3.3035	1.8053	1.8657	.74252	.92014	.43950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4257.6	65152.	6528.6
Stddev	3.9	44.	50.3
%RSD	.09269	.06714	.76985
#1	4254.8	65183.	6493.1
#2	4260.4	65121.	6564.2

Sample Name: 280-27405-a-4-dPDS Acquired: 4/10/2012 21:48:25 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04778**	**70.022**	**.21698**	**.10175**	**.78964**	**.04882**	**-.00303**	**29.702**	**.04672**	**.09734**
Stddev	.00010	.007	.00070	.00066	.00118	.00006	.00269	.046	.00010	.00026
%RSD	.19906	.01000	.32060	.65075	.14973	.11718	88.979	.15515	.20989	.26333
#1	.04771	70.027	.21648	.10129	.78880	.04886	-.00493	29.734	.04665	.09716
#2	.04784	70.017	.21747	.10222	.79048	.04878	-.00112	29.669	.04679	.09752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13726**	**.47906**	**103.61**	**25.503**	**.15223**	**27.663**	**5.4736**	**.05074**	**21.428**	**.11616**
Stddev	.00031	.00145	.11	.083	.00158	.032	.0480	.00040	.025	.00052
%RSD	.22257	.30340	.10562	.32730	1.0385	.11603	.87640	.79070	.11600	.44667
#1	.13704	.48008	103.53	25.562	.15335	27.685	5.5075	.05046	21.410	.11579
#2	.13747	.47803	103.69	25.444	.15111	27.640	5.4397	.05103	21.445	.11652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9521**	**5.1118**	**.92639**	**.10914**	**.18686**	**9.2875**	**19.875**	**.10148**	**.12643**	**.21976**
Stddev	.0010	.0109	.00112	.00176	.00146	.1329	.284	.00166	.00018	.00095
%RSD	.02463	.21250	.12127	1.6120	.78259	1.4306	1.4306	1.6321	.14290	.43283
#1	3.9528	5.1195	.92560	.10790	.18583	9.3814	20.076	.10265	.12630	.22043
#2	3.9514	5.1041	.92719	.11039	.18790	9.1935	19.674	.10031	.12655	.21908
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3195**	**.18211**	**.32179**	**.21896**	**.57250**	**.06744**
Stddev	.0067	.00044	.00628	.00008	.00034	.00537
%RSD	.51094	.24077	1.9507	.03796	.05926	7.9558
#1	1.3243	.18242	.31735	.21902	.57274	.06364
#2	1.3147	.18180	.32623	.21890	.57226	.07123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4356.6**	**67120.**	**6625.1**
Stddev	17.6	277.	53.8
%RSD	.40401	.41233	.81200
#1	4369.1	66924.	6587.1
#2	4344.2	67316.	6663.2

Sample Name: CCVH-1351956 Acquired: 4/10/2012 21:50:45 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**52.969**	**-.00041**	**.00166**	**.00064**	**.00006**	**1.0086**	**-.00740**	**.00009**	**.00031**	**.00041**	**.00248**	**53.422**
Stddev	.00008	.258	.00320	.00076	.00027	.00002	.0018	.00145	.00007	.00006	.00009	.00016	.276
%RSD	5.0052	.48773	781.86	46.215	42.170	42.125	.17785	19.584	84.709	19.116	21.063	6.6588	.51711
#1	.00154	53.151	-.00267	.00111	.00083	.00004	1.0074	-.00842	.00003	.00027	.00035	.00259	53.617
#2	.00165	52.786	.00185	.00220	.00045	.00007	1.0099	-.00637	.00014	.00035	.00047	.00236	53.226
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07328**	**.00155**	**.02046**	**.00013**	**-.00060**	**272.89**	**.00168**	**.00281**	**-.00123**	**4.9962**	**-.00290**	**.00386**	**-.00091**
Stddev	.03612	.00169	.00149	.00010	.00017	1.28	.00041	.00092	.00003	.0007	.00099	.00370	.00664
%RSD	49.290	108.53	7.3070	75.870	28.215	.46747	24.189	32.731	2.1978	.01397	34.268	95.997	728.59
#1	.09882	.00275	.01940	.00006	-.00048	273.79	.00197	.00216	-.00125	4.9957	-.00220	.00647	.00378
#2	.04774	.00036	.02152	.00020	-.00072	271.99	.00139	.00346	-.00122	4.9967	-.00360	.00124	-.00561
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00195**	**.00234**	**.00041**	**5.0566**	**.00361**	**.00066**	**9.9977**	**.00200**	**.00029**	**.01345**
Stddev	.01421	.00011	.00009	.0028	.00019	.00010	.0071	.00004	.00033	.00103
%RSD	728.59	4.5758	20.896	.05462	5.2574	15.740	.07133	2.1961	112.36	7.6797
#1	.00810	.00242	.00047	5.0586	.00374	.00058	10.003	.00203	.00006	.01272
#2	-.01200	.00227	.00035	5.0546	.00347	.00073	9.9927	.00197	.00052	.01418
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4038.8**	**62369.**	**6073.9**
Stddev	16.5	34.	11.1
%RSD	.40955	.05405	.18287
#1	4050.5	62393.	6066.0
#2	4027.1	62345.	6081.7

Sample Name: CCV-1351954 Acquired: 4/10/2012 21:53:05 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51353**	**.49974**	**.94629**	**.49860**	**.54179**	**.50734**	**-.00060**	**5.1802**	**.50655**	**.50064**	**.50262**	**.51711**	**2.7014**
Stddev	.00136	.00133	.00360	.00029	.00037	.00099	.00411	.0002	.00076	.00103	.00074	.00058	.0004
%RSD	.26554	.26690	.38050	.05850	.06784	.19557	687.77	.00416	.15065	.20646	.14695	.11233	.01287
#1	.51449	.49879	.94374	.49881	.54153	.50664	-.00350	5.1803	.50601	.49991	.50210	.51752	2.7016
#2	.51256	.50068	.94883	.49839	.54205	.50804	.00231	5.1800	.50709	.50137	.50315	.51670	2.7011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.187**	**1.0725**	**19.702**	**.50576**	**.49914**	**5.2468**	**.50122**	**.97021**	**.94578**	**.00907**	**.98683**	**1.0341**	**5.1115**
Stddev	.019	.0003	.027	.00172	.00017	.0003	.00108	.00167	.00099	.00575	.00443	.0008	.0018
%RSD	.03442	.03010	.13597	.34068	.03317	.00548	.21530	.17213	.10455	63.352	.44896	.07807	.03515
#1	54.200	1.0723	19.721	.50698	.49926	5.2466	.50046	.97139	.94508	.00501	.98369	1.0335	5.1102
#2	54.174	1.0727	19.683	.50455	.49902	5.2470	.50198	.96903	.94648	.01313	.98996	1.0347	5.1127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.939**	**1.0122**	**.52958**	**-.00180**	**.49395**	**1.0410**	**.01077**	**.50290**	**.47601**	**.52818**
Stddev	.004	.0008	.00071	.00016	.00039	.0025	.01561	.00167	.00260	.00007
%RSD	.03515	.07747	.13439	8.6234	.07845	.24389	144.93	.33156	.54516	.01335
#1	10.936	1.0117	.53008	-.00169	.49423	1.0392	.02181	.50408	.47418	.52823
#2	10.941	1.0128	.52907	-.00191	.49368	1.0428	-.00027	.50172	.47785	.52813
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4107.7**	**63760.**	**6015.2**
Stddev	.0	110.	26.1
%RSD	.00029	.17208	.43415
#1	4107.7	63682.	5996.8
#2	4107.7	63838.	6033.7

Sample Name: CCB Acquired: 4/10/2012 21:55:16 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.00217**	**.00066**	**.00013**	**.00020**	**.00002**	**-.00159**	**-.00189**	**.00014**	**-.00020**	**-.00010**
Stddev	.00002	.00066	.00183	.00011	.00015	.00003	.00055	.00059	.00012	.00016	.00007
%RSD	2.3089	30.460	276.74	85.099	74.915	167.92	34.684	31.309	88.034	78.425	69.836
#1	.00083	.00170	.00195	.00021	.00031	.00000	-.00120	-.00231	.00005	-.00009	-.00005
#2	.00081	.00264	-.00063	.00005	.00009	.00004	-.00198	-.00147	.00022	-.00032	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00183**	**.00285**	**.07733**	W **.00286**	**.00385**	**.00006**	**.00112**	**.01818**	**-.00018**	**-.00004**	**.00106**
Stddev	.00014	.00026	.05564	.00108	.00036	.00006	.00043	.00043	.00018	.00061	.00178
%RSD	7.3731	8.9609	71.956	37.891	9.3685	92.090	38.388	2.3664	97.848	1491.4	167.81
#1	-.00193	.00303	.03798	.00209	.00411	.00011	.00082	.01787	-.00006	-.00047	-.00020
#2	-.00174	.00267	.11668	.00363	.00360	.00002	.00142	.01848	-.00031	.00039	.00231
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136			.00261							
Low Limit	-.00136			-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**.00145**	**.00194**	**.00654**	**.01399**	**.00156**	**.00004**	**.00037**	**.00002**	**-.00108**	**.00747**
Stddev	.00119	.00034	.00237	.01307	.02796	.00057	.00001	.00130	.00012	.00115	.02666
%RSD	51.770	23.323	122.05	199.83	199.83	36.683	30.929	350.89	680.92	107.24	357.05
#1	.00146	.00169	.00027	.01578	.03377	.00116	.00005	.00129	.00010	-.00026	-.01139
#2	.00315	.00121	.00361	-.00270	-.00578	.00197	.00003	-.00055	-.00007	-.00189	.02632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00010**	**.00128**	**.00018**
Stddev	.00011	.00017	.00099
%RSD	118.60	13.490	540.06
#1	.00002	.00141	.00088
#2	.00018	.00116	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4139.3**	**64867.**	**5985.6**
Stddev	8.1	77.	6.4
%RSD	.19545	.11821	.10636
#1	4145.0	64813.	5990.1
#2	4133.5	64921.	5981.1

Sample Name: CCVL1351959 Acquired: 4/10/2012 21:57:43 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01145**	**.10284**	**.01517**	**.09460**	**.01119**	**.00106**	**.10377**	**.20354**	**.00513**	**.01027**	**.01007**	**.01409**	**.11088**
Stddev	.00009	.00007	.00087	.00003	.00002	.00000	.00122	.00127	.00002	.00020	.00006	.00003	.00104
%RSD	.79339	.06605	5.7119	.03301	.19832	.20784	1.1761	.62577	.48639	1.9909	.55823	.23265	.93863
#1	.01139	.10289	.01456	.09457	.01118	.00106	.10290	.20264	.00515	.01042	.01011	.01412	.11015
#2	.01151	.10279	.01579	.09462	.01121	.00106	.10463	.20444	.00512	.01013	.01003	.01407	.11162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3200**	F **.01435**	**.20694**	**.01048**	**.01957**	**1.0816**	**.04026**	**2.7367**	**.01029**	**.00437**	F **.00581**	**.01490**	**.51006**
Stddev	.0078	.00136	.00049	.00011	.00003	.0100	.00016	.0004	.00026	.00071	.00144	.00190	.00989
%RSD	.23444	9.4596	.23672	1.0547	.16241	.91994	.40901	.01553	2.4838	16.188	24.846	12.747	1.9383
#1	3.3255	.01339	.20728	.01041	.01955	1.0745	.04038	2.7370	.01047	.00486	.00479	.01625	.50307
#2	3.3145	.01531	.20659	.01056	.01959	1.0886	.04015	2.7364	.01011	.00387	.00683	.01356	.51705
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0915**	**.10136**	**.01077**	**.01547**	**.00999**	**.01509**	**.05895**	**.01013**	**.02039**	**.01644**
Stddev	.0212	.00031	.00016	.00039	.00015	.00079	.02693	.00032	.00043	.00025
%RSD	1.9383	.30152	1.4763	2.5509	1.4544	5.2539	45.686	3.1673	2.1217	1.5394
#1	1.0766	.10158	.01066	.01575	.01009	.01453	.07799	.01036	.02009	.01626
#2	1.1065	.10114	.01088	.01519	.00988	.01565	.03990	.00991	.02070	.01662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4181.1**	**65440.**	**6004.8**
Stddev	6.8	382.	49.9
%RSD	.16300	.58396	.83043
#1	4185.9	65711.	6040.1
#2	4176.3	65170.	5969.6

Sample Name: 280-27405-a-5-b Acquired: 4/10/2012 22:00:07 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**76.787**	**.04525**	**.01351**	**.81560**	**.00395**	**-.00263**	**5.2717**	**.00090**	**.05936**
Stddev	.00034	.087	.00028	.00018	.00094	.00003	.00056	.0139	.00001	.00008
%RSD	39.105	.11276	.60938	1.3634	.11543	.73503	21.067	.26418	.67960	.13649
#1	.00063	76.726	.04544	.01364	.81494	.00397	-.00303	5.2815	.00091	.05942
#2	.00111	76.849	.04505	.01338	.81627	.00393	-.00224	5.2618	.00090	.05930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09731**	**.08015**	**107.66**	**5.3800**	**.06164**	**11.330**	**5.8834**	**.00328**	**.49406**	**.08618**
Stddev	.00018	.00008	.06	.0172	.00113	.044	.0405	.00029	.00640	.00045
%RSD	.18712	.10490	.05550	.31934	1.8415	.38553	.68794	8.8535	1.2951	.52212
#1	.09744	.08009	107.70	5.3678	.06083	11.361	5.9120	.00307	.49858	.08650
#2	.09718	.08021	107.62	5.3921	.06244	11.299	5.8547	.00348	.48953	.08586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2878**	**.22396**	**.90563**	**-.00371**	**-.00190**	**4.5427**	**9.7214**	**.00681**	**.06253**	**.03451**
Stddev	.0051	.00019	.00112	.00211	.00326	.0603	.1291	.00065	.00006	.00004
%RSD	.22425	.08605	.12337	56.985	171.22	1.3276	1.3276	9.6151	.09946	.11103
#1	2.2842	.22383	.90642	-.00222	.00040	4.5853	9.8126	.00635	.06257	.03454
#2	2.2914	.22410	.90484	-.00521	-.00421	4.5000	9.6301	.00727	.06248	.03449
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5856**	**-.00235**	F **-.14541**	**.18200**	**.26629**	**.01369**
Stddev	.0014	.00021	.02437	.00015	.00059	.00129
%RSD	.08877	8.8046	16.758	.08515	.22089	9.4045
#1	1.5846	-.00250	-.16264	.18189	.26670	.01460
#2	1.5866	-.00220	-.12818	.18211	.26587	.01278
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4449.3**	**68319.**	**6636.7**
Stddev	.5	21.	41.7
%RSD	.01168	.03063	.62878
#1	4449.6	68305.	6607.2
#2	4448.9	68334.	6666.2

Sample Name: 280-27405-a-6-b Acquired: 4/10/2012 22:02:30 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**63.213**	**.03324**	**.01289**	**.81460**	**.00355**	**-.00257**	**14.497**	**.00179**	**.04412**
Stddev	.00038	.444	.00044	.00032	.00494	.00003	.00093	.093	.00000	.00002
%RSD	44.487	.70178	1.3231	2.5109	.60594	.83186	36.103	.64212	.19661	.05160
#1	.00058	62.900	.03293	.01266	.81111	.00353	-.00322	14.431	.00179	.04414
#2	.00111	63.527	.03355	.01312	.81809	.00357	-.00191	14.563	.00179	.04411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08791**	**.23947**	**93.157**	**4.4691**	**.05122**	**9.7752**	**4.8178**	**.00283**	**.49084**	**.07956**
Stddev	.00018	.00086	.543	.0104	.00033	.0504	.0048	.00003	.00622	.00072
%RSD	.19917	.35890	.58284	.23378	.64926	.51571	.09908	1.2153	1.2673	.90635
#1	.08803	.24008	92.773	4.4618	.05145	9.8108	4.8145	.00286	.48644	.08006
#2	.08779	.23886	93.541	4.4765	.05098	9.7395	4.8212	.00281	.49523	.07905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9644**	**.26710**	**.62355**	**-.00260**	**.00023**	**3.8370**	**8.2112**	**.01139**	**.08805**	**.03392**
Stddev	.0044	.00176	.00585	.00070	.00223	.0076	.0163	.00001	.00058	.00025
%RSD	.22404	.65801	.93870	27.031	952.71	.19801	.19801	.08956	.66361	.72814
#1	1.9675	.26834	.62769	-.00309	-.00134	3.8317	8.1998	.01138	.08764	.03409
#2	1.9613	.26586	.61941	-.00210	.00181	3.8424	8.2227	.01139	.08847	.03374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4545**	**-.00343**	F **-.15420**	**.16258**	**.45030**	**.01623**
Stddev	.0022	.00100	.01564	.00139	.00380	.00015
%RSD	.15217	29.115	10.145	.85751	.84423	.94991
#1	1.4530	-.00413	-.16526	.16357	.45299	.01612
#2	1.4561	-.00272	-.14314	.16159	.44762	.01633
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4422.8**	**68359.**	**6583.5**
Stddev	10.9	272.	39.6
%RSD	.24594	.39731	.60166
#1	4415.1	68167.	6611.5
#2	4430.5	68551.	6555.5

Sample Name: 280-27405-a-7-b Acquired: 4/10/2012 22:04:53 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**73.458**	**.04732**	**.01417**	**1.1111**	**.00457**	**-.00313**	**12.450**	**.00160**	**.05294**
Stddev	.00000	.119	.00223	.00006	.0009	.00007	.00050	.003	.00009	.00012
%RSD	.07684	.16247	4.7152	.39020	.08467	1.5903	15.829	.02100	5.4236	.23579
#1	.00147	73.543	.04574	.01413	1.1104	.00452	-.00278	12.452	.00166	.05302
#2	.00147	73.374	.04890	.01421	1.1117	.00463	-.00348	12.449	.00154	.05285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09672**	**.66489**	**102.68**	**7.2052**	**.05949**	**11.025**	**6.9226**	**.00509**	**.46101**	**.08614**
Stddev	.00004	.00496	.21	.0115	.00036	.101	.0658	.00015	.00005	.00069
%RSD	.04434	.74565	.20072	.15950	.60530	.91922	.95079	2.8854	.01108	.80206
#1	.09669	.66840	102.83	7.1971	.05923	11.097	6.9692	.00498	.46098	.08663
#2	.09675	.66139	102.54	7.2133	.05974	10.954	6.8761	.00519	.46105	.08566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.7443**	**5.4440**	**1.0996**	**.02272**	**-.00175**	**5.2734**	**11.285**	**.00907**	**.08805**	**.03323**
Stddev	.0069	.0046	.0056	.00211	.00128	.0484	.104	.00022	.00038	.00016
%RSD	.25069	.08452	.51079	9.2967	73.078	.91740	.91740	2.4640	.42692	.46978
#1	2.7492	5.4473	1.1036	.02122	-.00265	5.3076	11.358	.00891	.08778	.03334
#2	2.7394	5.4408	1.0956	.02421	-.00084	5.2392	11.212	.00923	.08831	.03312
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2693**	**-.00303**	F **-.19013**	**.17428**	**.48918**	**.01668**
Stddev	.0095	.00023	.00643	.00101	.00341	.00019
%RSD	.75128	7.6524	3.3821	.58117	.69773	1.1399
#1	1.2761	-.00319	-.18558	.17499	.49159	.01655
#2	1.2626	-.00287	-.19467	.17356	.48677	.01682
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4505.1**	**69442.**	**6749.6**
Stddev	7.6	264.	7.9
%RSD	.16833	.38079	.11653
#1	4499.7	69256.	6744.0
#2	4510.4	69629.	6755.1

Sample Name: 280-27405-a-8-b Acquired: 4/10/2012 22:07:16 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00368**	**38.769**	**.03924**	**.02606**	**.55502**	**.00216**	**.04287**	**38.526**	**.00274**	**.02050**
Stddev	.00003	.044	.00058	.00032	.00018	.00000	.00197	.084	.00017	.00007
%RSD	.74081	.11363	1.4659	1.2282	.03325	.00332	4.5944	.21877	6.2378	.32045
#1	.00366	38.738	.03883	.02583	.55489	.00216	.04427	38.467	.00286	.02055
#2	.00370	38.800	.03964	.02628	.55515	.00216	.04148	38.586	.00262	.02046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06724**	**6.0816**	**67.334**	**5.0771**	**.02884**	**9.1656**	**2.7891**	**.00332**	**.40793**	**.37227**
Stddev	.00024	.0433	.211	.0024	.00195	.0955	.0307	.00006	.00225	.00023
%RSD	.35344	.71148	.31408	.04717	6.7709	1.0418	1.1006	1.9316	.55223	.06304
#1	.06741	6.0510	67.483	5.0754	.02746	9.0981	2.7674	.00327	.40633	.37243
#2	.06707	6.1122	67.184	5.0788	.03022	9.2331	2.8108	.00336	.40952	.37210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6586**	W **85.061**	**3.1501**	**.76925**	**.00244**	**3.7316**	**7.9857**	**.07193**	**.12852**	**.01867**
Stddev	.0133	.001	.0098	.00256	.00066	.0371	.0794	.00006	.00023	.00012
%RSD	.36458	.00143	.31049	.33237	27.047	.99365	.99365	.07761	.17845	.66874
#1	3.6492	85.062	3.1432	.77106	.00291	3.7054	7.9296	.07197	.12868	.01876
#2	3.6680	85.060	3.1570	.76744	.00197	3.7579	8.0418	.07189	.12836	.01858
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59503**	**-.00021**	W **-.07100**	**.10239**	**.73360**	**.01370**
Stddev	.01020	.00031	.00517	.00079	.00917	.00040
%RSD	1.7143	148.81	7.2760	.77587	1.2498	2.9465
#1	.58781	-.00043	-.06735	.10183	.72712	.01398
#2	.60224	.00001	-.07466	.10296	.74008	.01341
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4258.4**	**66244.**	**6353.5**
Stddev	1.8	290.	7.7
%RSD	.04196	.43751	.12181
#1	4259.6	66449.	6359.0
#2	4257.1	66039.	6348.1

Sample Name: CCVH-1351956 Acquired: 4/10/2012 22:09:32 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**53.497**	**-.00085**	**.00067**	**.00042**	**.00001**	**1.0047**	**-.00570**	**-.00014**	**.00023**	**.00028**	**.00192**	**54.000**
Stddev	.00047	.282	.00077	.00054	.00006	.00003	.0005	.00148	.00010	.00009	.00006	.00022	.418
%RSD	27.862	.52679	90.120	80.729	13.575	233.32	.04728	26.047	69.632	41.997	21.829	11.417	.77437
#1	.00136	53.298	-.00031	.00029	.00047	.00004	1.0050	-.00674	-.00021	.00016	.00024	.00177	53.704
#2	.00203	53.697	-.00139	.00105	.00038	-.00001	1.0044	-.00465	-.00007	.00029	.00033	.00208	54.295
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04716**	**.00334**	**.01710**	**.00009**	**-.00072**	**274.93**	**.00188**	**.00282**	**-.00035**	**4.9901**	**.00141**	**-.00387**	**.01059**
Stddev	.03658	.00112	.00050	.00003	.00021	1.16	.00028	.00089	.00019	.0115	.00321	.00461	.00710
%RSD	77.570	33.561	2.9238	30.147	28.925	.42288	15.149	31.722	54.771	.23034	228.68	118.93	67.013
#1	.02129	.00414	.01745	.00011	-.00057	274.11	.00168	.00219	-.00048	4.9820	-.00087	-.00062	.01561
#2	.07302	.00255	.01674	.00007	-.00086	275.76	.00208	.00345	-.00021	4.9983	.00368	-.00713	.00557
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02266**	**.00191**	**.00037**	**5.0547**	**.00396**	**.00147**	**9.9502**	**.00131**	**.00141**	**.01349**
Stddev	.01518	.00005	.00001	.0038	.00025	.00070	.0099	.00021	.00000	.00269
%RSD	67.013	2.6505	1.5338	.07446	6.2972	47.339	.09974	15.665	.29188	19.961
#1	.03340	.00187	.00038	5.0520	.00379	.00197	9.9572	.00145	.00141	.01159
#2	.01192	.00194	.00037	5.0573	.00414	.00098	9.9432	.00116	.00141	.01540
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.2**	**61937.**	**5976.9**
Stddev	15.7	204.	21.7
%RSD	.38962	.32884	.36240
#1	4034.3	62081.	5992.3
#2	4012.1	61793.	5961.6

Sample Name: CCV-1351954 Acquired: 4/10/2012 22:11:53 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50694**	**.50204**	**.94552**	**.49641**	**.53664**	**.50359**	**-.00256**	**5.1515**	**.50651**	**.50187**	**.50321**	**.51011**	**2.6826**
Stddev	.01337	.00117	.00206	.00110	.00248	.00038	.00098	.0009	.00087	.00091	.00023	.01540	.0117
%RSD	2.6372	.23232	.21822	.22198	.46209	.07582	38.237	.01764	.17143	.18064	.04472	3.0191	.43651
#1	.51640	.50121	.94697	.49719	.53839	.50332	-.00187	5.1508	.50589	.50122	.50305	.52100	2.6909
#2	.49749	.50286	.94406	.49563	.53488	.50386	-.00326	5.1521	.50712	.50251	.50337	.49922	2.6743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.771**	**1.0631**	**19.500**	**.49848**	**.49813**	**5.1855**	**.50255**	**.97144**	**.94964**	**.00769**	**.98463**	**1.0272**	**5.0815**
Stddev	.083	.0037	.381	.01117	.00007	.0104	.00003	.00172	.00192	.00019	.00444	.0041	.0025
%RSD	.15360	.34775	1.9551	2.2408	.01462	.20089	.00599	.17667	.20214	2.5091	.45064	.40127	.04886
#1	53.830	1.0657	19.770	.50638	.49818	5.1929	.50257	.97265	.94829	.00783	.98149	1.0243	5.0832
#2	53.713	1.0605	19.231	.49058	.49808	5.1782	.50253	.97023	.95100	.00756	.98777	1.0301	5.0797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.874**	**1.0180**	**.52433**	**-.00132**	**.48819**	**1.0445**	**.01373**	**.49807**	**.47242**	**.52988**
Stddev	.005	.0003	.00196	.00020	.01137	.0045	.01577	.01177	.00795	.00343
%RSD	.04886	.03380	.37309	15.241	2.3290	.42845	114.89	2.3638	1.6834	.64659
#1	10.878	1.0177	.52571	-.00147	.49623	1.0414	.00258	.50640	.47805	.53230
#2	10.871	1.0182	.52295	-.00118	.48015	1.0477	.02488	.48975	.46680	.52746
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4089.4**	**64040.**	**6009.7**
Stddev	2.0	1230.	24.3
%RSD	.04893	1.9204	.40509
#1	4090.9	63171.	6027.0
#2	4088.0	64910.	5992.5

Sample Name: CCB Acquired: 4/10/2012 22:14:06 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00126**	**.00095**	**.00035**	**-.00039**	**.00022**	**.00009**	**-.00228**	**-.00029**	**.00017**	**.00000**	**.00005**
Stddev	.00026	.00041	.00210	.00034	.00017	.00002	.00335	.00013	.00002	.00002	.00025
%RSD	20.841	42.840	601.80	85.295	77.301	17.348	147.12	43.362	13.989	1222.0	472.67
#1	.00108	.00124	.00184	-.00063	.00034	.00008	.00009	-.00038	.00016	.00002	.00023
#2	.00145	.00066	-.00114	-.00016	.00010	.00010	-.00465	-.00020	.00019	-.00001	-.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00154**	**.00460**	**.06010**	**.00163**	**.00531**	**.00014**	**.00093**	**.01519**	**-.00016**	**-.00169**	**.00089**
Stddev	.00030	.00201	.02136	.00025	.00163	.00005	.00032	.00356	.00021	.00040	.00041
%RSD	19.431	43.594	35.544	15.148	30.661	39.056	33.964	23.454	128.26	23.730	45.510
#1	-.00133	.00602	.04499	.00146	.00647	.00017	.00071	.01771	-.00031	-.00141	.00061
#2	-.00175	.00318	.07520	.00181	.00416	.00010	.00116	.01267	-.00002	-.00198	.00118
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00277**	**-.00038**	**-.00007**	**-.00186**	**-.00398**	**.00148**	**.00006**	**-.00123**	**.00009**	**-.00120**	**.00893**
Stddev	.00080	.00117	.00627	.00611	.01308	.00025	.00001	.00031	.00006	.00199	.01579
%RSD	28.828	310.90	8857.0	328.92	328.92	17.059	14.844	24.845	65.004	165.58	176.91
#1	.00220	.00045	-.00450	.00246	.00527	.00130	.00006	-.00145	.00014	-.00262	.02009
#2	.00333	-.00120	.00436	-.00618	-.01323	.00166	.00007	-.00102	.00005	.00021	-.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00023**	**.00096**	**.00176**
Stddev	.00004	.00050	.00035
%RSD	17.819	52.296	19.880
#1	.00026	.00131	.00201
#2	.00020	.00060	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4122.8**	**64712.**	**5918.6**
Stddev	3.5	249.	88.2
%RSD	.08426	.38529	1.4902
#1	4120.4	64535.	5856.2
#2	4125.3	64888.	5981.0

Sample Name: CCVL1351959 Acquired: 4/10/2012 22:16:31 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01131**	**.10166**	**.01430**	**.09365**	**.01117**	**.00098**	**.10461**	**.20106**	**.00512**	**.01014**	**.01015**	**.01424**	**.11009**
Stddev	.00052	.00011	.00168	.00075	.00005	.00000	.00103	.00452	.00003	.00015	.00033	.00004	.00087
%RSD	4.6265	.11117	11.767	.80240	.46226	.00087	.98019	2.2489	.49451	1.5030	3.2463	.25317	.78833
#1	.01168	.10174	.01311	.09312	.01113	.00098	.10388	.19786	.00510	.01004	.01038	.01421	.10948
#2	.01094	.10158	.01549	.09418	.01120	.00098	.10533	.20426	.00514	.01025	.00992	.01426	.11071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3454**	F **.01308**	**.20445**	**.01037**	**.01938**	**1.0774**	**.04053**	**2.7259**	**.00990**	**.00527**	F **.00636**	**.01439**	**.49771**
Stddev	.0374	.00199	.00158	.00008	.00055	.0055	.00009	.0048	.00002	.00130	.00064	.00102	.00145
%RSD	1.1163	15.218	.77450	.81830	2.8263	.50586	.23031	.17579	.23514	24.662	9.9981	7.0879	.29230
#1	3.3190	.01449	.20333	.01031	.01976	1.0736	.04060	2.7225	.00988	.00619	.00681	.01367	.49874
#2	3.3718	.01167	.20556	.01043	.01899	1.0813	.04046	2.7293	.00991	.00435	.00591	.01511	.49668
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0651**	**.10190**	**.01066**	**.01501**	**.00969**	**.01636**	**.06720**	**.01019**	**.02071**	**.01603**
Stddev	.0031	.00201	.00006	.00165	.00014	.00064	.00881	.00012	.00062	.00126
%RSD	.29230	1.9760	.58793	11.016	1.4843	3.9421	13.103	1.2194	3.0124	7.8746
#1	1.0673	.10332	.01062	.01384	.00959	.01682	.06097	.01028	.02027	.01514
#2	1.0629	.10047	.01071	.01618	.00979	.01590	.07343	.01010	.02115	.01692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4178.9**	**65570.**	**5985.4**
Stddev	3.8	297.	17.7
%RSD	.09107	.45293	.29606
#1	4181.6	65780.	5972.8
#2	4176.2	65360.	5997.9

Sample Name: CCVH-1351956 Acquired: 4/11/2012 7:23:31 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00177**	**50.650**	**-.00174**	**.00018**	**.00037**	**.00007**	**1.0117**	**-.00835**	**.00013**	**.00010**	**.00012**	**.00549**	**50.852**
Stddev	.00004	.049	.00054	.00011	.00020	.00005	.0022	.00059	.00003	.00021	.00038	.00029	.008
%RSD	2.3713	.09772	31.068	58.462	52.268	74.232	.21415	7.0324	24.276	203.54	320.11	5.2818	.01496
#1	.00180	50.685	-.00212	.00011	.00051	.00003	1.0101	-.00793	.00011	.00025	-.00015	.00528	50.858
#2	.00174	50.615	-.00136	.00026	.00024	.00010	1.0132	-.00876	.00015	-.00005	.00039	.00569	50.847
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03391**	**.00222**	**.01941**	**-.00008**	**-.00062**	**261.76**	**.00179**	**.00205**	**-.00105**	**4.9244**	**-.00464**	**.00517**	**.00808**
Stddev	.03530	.00234	.00053	.00006	.00000	.09	.00006	.00339	.00050	.0172	.00015	.00510	.00702
%RSD	104.08	105.20	2.7306	81.213	.70715	.03546	3.4645	165.35	47.825	.34930	3.1907	98.706	86.928
#1	.05887	.00388	.01979	-.00003	-.00063	261.83	.00184	-.00035	-.00069	4.9123	-.00453	.00877	.01304
#2	.00895	.00057	.01904	-.00012	-.00062	261.70	.00175	.00445	-.00140	4.9366	-.00474	.00156	.00311
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01728**	**.00334**	**.00033**	**4.9295**	**.00102**	**-.00055**	**9.8308**	**.00263**	**.00001**	**.01223**
Stddev	.01502	.00078	.00009	.0140	.00039	.00022	.0096	.00004	.00015	.00175
%RSD	86.928	23.332	26.533	.28413	38.519	39.778	.09741	1.3542	1718.1	14.295
#1	.02790	.00389	.00027	4.9394	.00075	-.00071	9.8240	.00261	.00011	.01346
#2	.00666	.00279	.00039	4.9196	.00130	-.00040	9.8376	.00266	-.00010	.01099
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3973.2**	**61583.**	**6097.1**
Stddev	.3	14.	3.0
%RSD	.00862	.02273	.04845
#1	3973.4	61573.	6099.2
#2	3972.9	61593.	6095.0

Sample Name: CCV-1351954 Acquired: 4/11/2012 7:25:52 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50570**	**.50810**	**.97218**	**.50218**	**.50492**	**.48913**	**-.00141**	**4.9713**	**.50247**	**.50007**	**.49748**	**.50089**	**2.5284**
Stddev	.00134	.00186	.00209	.00159	.00433	.00496	.00443	.0652	.00060	.00017	.00132	.00266	.0166
%RSD	.26516	.36580	.21516	.31564	.85800	1.0145	315.24	1.3120	.11956	.03494	.26447	.53205	.65611
#1	.50475	.50941	.97070	.50106	.50185	.48562	-.00454	4.9251	.50205	.49994	.49655	.49900	2.5166
#2	.50664	.50678	.97365	.50331	.50798	.49264	.00173	5.0174	.50290	.50019	.49841	.50277	2.5401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.275**	**1.0121**	**19.948**	**.49797**	**.49228**	**5.0699**	**.49956**	**.98200**	**.98866**	**.00068**	**.98565**	**1.0091**	**4.8926**
Stddev	.558	.0117	.080	.00220	.00000	.0447	.00135	.00008	.00295	.00087	.00158	.0044	.0576
%RSD	1.0873	1.1579	.40132	.44095	.00021	.88087	.26954	.00850	.29853	126.83	.16046	.43627	1.1770
#1	50.881	1.0038	19.891	.49642	.49228	5.0383	.49861	.98206	.98657	.00007	.98676	1.0060	4.8519
#2	51.669	1.0204	20.005	.49953	.49228	5.1014	.50051	.98194	.99075	.00130	.98453	1.0122	4.9333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.470**	**1.0037**	**.49761**	**-.00196**	**.49104**	**1.0283**	**-.00356**	**.49251**	**.49142**	**.49383**
Stddev	.123	.0005	.00518	.00139	.00269	.0003	.01568	.00268	.00198	.00468
%RSD	1.1770	.04624	1.0409	70.836	.54775	.03152	441.04	.54492	.40230	.94788
#1	10.383	1.0040	.49395	-.00294	.48913	1.0281	.00753	.49061	.49002	.49052
#2	10.557	1.0034	.50127	-.00098	.49294	1.0286	-.01464	.49441	.49282	.49714
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4056.3**	**63276.**	**6101.5**
Stddev	10.1	296.	45.7
%RSD	.24787	.46771	.74925
#1	4049.2	63485.	6133.9
#2	4063.4	63066.	6069.2

Sample Name: CCB Acquired: 4/11/2012 7:28:04 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00011**	**.00123**	**-.00004**	**.00037**	**.00000**	**-.00106**	**-.00335**	**.00008**	**-.00012**	**-.00011**	**-.00074**	**-.00056**
Stddev	.00025	.00007	.00055	.00003	.00003	.0001	.00391	.00342	.00009	.00004	.00012	.00007	.00126
%RSD	56.148	64.293	44.874	78.507	7.6737	1743.7	367.91	102.07	118.35	32.052	106.24	9.4683	223.47
#1	.00062	.00006	.00162	-.00002	.00039	.00005	-.00382	-.00577	.00001	-.00015	-.00020	-.00069	.00033
#2	.00027	.00016	.00084	-.00005	.00035	-.00006	.00170	-.00093	.00014	-.00009	-.00003	-.00079	-.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04104**	**.00181**	**.00130**	**-.00002**	**.00092**	**-.00495**	**.00002**	**-.00082**	**.00107**	**-.00368**	**-.00149**	**.00141**	**.00788**
Stddev	.00946	.00039	.00004	.00003	.00045	.00316	.00010	.00087	.00133	.00083	.00162	.00082	.01227
%RSD	23.051	21.825	3.2174	154.54	48.914	63.876	585.78	106.54	124.69	22.614	108.49	58.416	155.63
#1	.04773	.00153	.00133	-.00004	.00060	-.00719	.00009	-.00020	.00013	-.00427	-.00264	.00083	.01656
#2	.03435	.00209	.00127	.00000	.00123	-.00272	-.00005	-.00143	.00201	-.00309	-.00035	.00199	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01687**	**.00085**	**.00001**	**-.00100**	**.00013**	**-.00141**	**.01022**	**.00010**	**.00057**	**.00040**
Stddev	.02625	.00137	.00000	.00085	.00008	.00040	.02035	.00016	.00016	.00015
%RSD	155.63	160.97	34.029	84.866	59.713	28.153	199.05	158.12	28.035	38.627
#1	.03543	-.00012	.00001	-.00040	.00018	-.00169	-.00417	-.00001	.00069	.00029
#2	-.00169	.00183	.00001	-.00159	.00007	-.00113	.02461	.00022	.00046	.00051
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4085.9**	**64082.**	**6031.6**
Stddev	8.9	125.	50.3
%RSD	.21871	.19581	.83313
#1	4079.6	63993.	6067.2
#2	4092.2	64171.	5996.1

Sample Name: CCVL1351959 Acquired: 4/11/2012 7:30:30 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	**.10686**	**.01670**	**.09420**	**.01075**	**.00101**	**.10632**	**.20323**	**.00525**	**.01054**	**.01017**	**.01511**	**.10450**
Stddev	.00008	.00197	.00223	.00001	.00001	.00000	.00210	.00280	.00010	.00016	.00004	.00008	.00234
%RSD	.75267	1.8481	13.351	.00631	.09470	.26107	1.9719	1.3773	1.8289	1.5277	.42633	.52185	2.2436
#1	.01076	.10546	.01828	.09419	.01074	.00101	.10484	.20521	.00519	.01043	.01014	.01516	.10284
#2	.01065	.10826	.01512	.09420	.01076	.00101	.10780	.20125	.00532	.01065	.01020	.01505	.10616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2388**	F **.01313**	**.21251**	**.01053**	**.01910**	**1.0737**	**.04110**	**2.7467**	**.01051**	**-.00042**	**.00879**	**.01616**	**.47182**
Stddev	.0256	.00122	.00066	.00000	.00028	.0051	.00029	.0118	.00039	.00010	.00008	.00084	.01897
%RSD	.78976	9.2920	.31046	.02327	1.4694	.47385	.69673	.42969	3.7182	23.554	.94974	5.1931	4.0200
#1	3.2207	.01227	.21205	.01053	.01930	1.0773	.04090	2.7383	.01024	-.00035	.00885	.01676	.45841
#2	3.2569	.01399	.21298	.01052	.01890	1.0701	.04131	2.7550	.01079	-.00049	.00873	.01557	.48523
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0097**	**.10059**	**.01035**	**.01582**	**.00949**	**.01566**	**.05617**	**.01012**	**.02098**	**.01515**
Stddev	.0406	.00023	.00005	.00097	.00019	.00037	.01590	.00020	.00034	.00042
%RSD	4.0200	.22400	.49250	6.1604	2.0212	2.3931	28.315	1.9588	1.6245	2.7816
#1	.98100	.10075	.01032	.01513	.00962	.01593	.06742	.01026	.02074	.01486
#2	1.0384	.10043	.01039	.01651	.00935	.01540	.04492	.00998	.02123	.01545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4132.5**	**64582.**	**6107.6**
Stddev	31.6	165.	.0
%RSD	.76448	.25538	.00007
#1	4154.8	64699.	6107.6
#2	4110.1	64466.	6107.6

Sample Name: 280-27276-e-1-b Acquired: 4/11/2012 7:32:53 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**15.412**	**-.00062**	**.12081**	**.13022**	**.00077**	**-.00529**	**79.301**	**.00051**	**.00596**
Stddev	.00028	.069	.00050	.00002	.00043	.00001	.00043	.181	.00015	.00010
%RSD	33.541	.44643	81.346	.01664	.33185	.72978	8.1232	.22794	28.838	1.6678
#1	.00064	15.461	-.00026	.12083	.12991	.00077	-.00499	79.429	.00041	.00589
#2	.00104	15.363	-.00097	.12080	.13052	.00076	-.00560	79.173	.00062	.00603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05177**	**.01734**	**14.961**	**6.3559**	**.02605**	**16.035**	**.26730**	**.00660**	W **548.81**	**.02680**
Stddev	.00008	.00005	.029	.0077	.00027	.182	.00249	.00022	1.02	.00056
%RSD	.16090	.31261	.19225	.12199	1.0476	1.1329	.93245	3.2888	.18562	2.1046
#1	.05171	.01730	14.941	6.3504	.02585	15.907	.26554	.00676	548.09	.02640
#2	.05183	.01737	14.981	6.3614	.02624	16.164	.26906	.00645	549.53	.02720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35171**	**.01075**	F **345.21**	**-.00614**	**.05165**	**32.990**	**70.599**	**.00152**	**1.0111**	**.00628**
Stddev	.00097	.00043	1.66	.00180	.00204	.080	.171	.00020	.0022	.00107
%RSD	.27639	4.0038	.48138	29.260	3.9404	.24228	.24228	13.059	.21359	16.980
#1	.35103	.01105	344.03	-.00487	.05309	33.047	70.720	.00138	1.0096	.00553
#2	.35240	.01045	346.39	-.00741	.05021	32.934	70.478	.00166	1.0126	.00704
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49636**	**-.00275**	**.02181**	**.03176**	**.04639**	**.00301**
Stddev	.00400	.00074	.00401	.00010	.00071	.00064
%RSD	.80511	26.978	18.382	.32431	1.5380	21.210
#1	.49354	-.00223	.01898	.03183	.04588	.00256
#2	.49919	-.00328	.02465	.03169	.04689	.00346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3888.2**	**59119.**	**6107.2**
Stddev	18.8	245.	6.2
%RSD	.48282	.41363	.10101
#1	3901.5	59292.	6102.8
#2	3875.0	58946.	6111.6

Sample Name: CCVH-1351956 Acquired: 4/11/2012 7:35:59 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**52.188**	**-.00048**	**.00023**	**.00053**	**.00002**	**1.0102**	**-.00087**	**.00008**	**.00023**	**.00026**	**.00402**	**52.254**
Stddev	.00021	.576	.00483	.00023	.00005	.00007	.0002	.00071	.00018	.00017	.00010	.00023	.297
%RSD	13.692	1.1034	1001.4	100.81	9.6508	310.90	.01778	82.448	236.34	74.750	36.750	5.7665	.56861
#1	.00168	51.780	.00293	.00007	.00049	.00007	1.0103	-.00137	-.00005	.00011	.00033	.00386	52.044
#2	.00138	52.595	-.00390	.00040	.00057	-.00003	1.0100	-.00036	.00020	.00034	.00020	.00418	52.464
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09896**	**.00171**	**.01627**	**-.00005**	**-.00091**	**268.09**	**.00194**	**.00224**	**-.00160**	**4.9542**	**-.00557**	**.00167**	**.00292**
Stddev	.00626	.00088	.00080	.00003	.00012	2.68	.00003	.00005	.00099	.0114	.00032	.00121	.00246
%RSD	6.3244	51.208	4.8887	63.202	12.999	.99991	1.3636	2.4105	61.856	.23053	5.8231	72.602	84.318
#1	.10339	.00233	.01683	-.00007	-.00083	266.20	.00192	.00220	-.00229	4.9461	-.00580	.00081	.00466
#2	.09454	.00109	.01571	-.00003	-.00099	269.99	.00196	.00227	-.00090	4.9623	-.00534	.00252	.00118
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00624**	**.00164**	**.00038**	**4.9604**	**.00195**	**-.00116**	**9.8039**	**.00246**	**.00086**	**.01457**
Stddev	.00526	.00069	.00006	.0569	.00000	.00270	.1024	.00026	.00027	.00105
%RSD	84.318	41.899	15.499	1.1465	.01003	233.47	1.0440	10.642	31.496	7.2199
#1	.00996	.00116	.00034	4.9202	.00195	.00075	9.7316	.00227	.00105	.01383
#2	.00252	.00213	.00043	5.0006	.00195	-.00306	9.8763	.00264	.00067	.01531
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4006.9**	**61929.**	**6003.5**
Stddev	25.8	541.	5.1
%RSD	.64401	.87395	.08497
#1	4025.2	62312.	5999.8
#2	3988.7	61546.	6007.1

Sample Name: CCV-1351954 Acquired: 4/11/2012 7:38:20 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50600**	**.50619**	**.95916**	**.50062**	**.51541**	**.49325**	**-.00221**	**5.0394**	**.50497**	**.50076**	**.49910**	**.50482**	**2.5720**
Stddev	.00169	.00109	.01512	.00003	.00433	.00441	.00016	.0267	.00037	.00076	.00012	.00227	.0280
%RSD	.33431	.21467	1.5759	.00563	.84041	.89360	7.1862	.53070	.07362	.15244	.02308	.44894	1.0882
#1	.50481	.50542	.94847	.50064	.51235	.49013	-.00210	5.0205	.50471	.50022	.49902	.50322	2.5522
#2	.50720	.50696	.96985	.50060	.51847	.49637	-.00232	5.0583	.50524	.50130	.49918	.50642	2.5918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.868**	**1.0369**	**19.865**	**.49779**	**.49338**	**5.1827**	**.49991**	**.97769**	**.97950**	**.01591**	**.98656**	**1.0128**	**5.0111**
Stddev	.270	.0094	.075	.00193	.00016	.0001	.00138	.00266	.00426	.00040	.00033	.0006	.0494
%RSD	.52056	.90168	.37651	.38819	.03296	.00217	.27604	.27175	.43447	2.4902	.03368	.06402	.98645
#1	51.677	1.0303	19.812	.49642	.49349	5.1826	.49894	.97581	.97649	.01619	.98680	1.0124	4.9762
#2	52.059	1.0436	19.918	.49915	.49326	5.1827	.50089	.97957	.98251	.01563	.98633	1.0133	5.0461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.724**	**1.0028**	**.50403**	**-.00094**	**.49027**	**1.0331**	**.01280**	**.49696**	**.48978**	**.50774**
Stddev	.106	.0049	.00437	.00013	.00117	.0002	.00547	.00310	.00086	.00279
%RSD	.98645	.48811	.86661	13.731	.23912	.01874	42.773	.62296	.17584	.54853
#1	10.649	.99936	.50094	-.00085	.48944	1.0332	.00893	.49477	.48917	.50577
#2	10.799	1.0063	.50712	-.00103	.49110	1.0329	.01667	.49915	.49039	.50971
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4057.3**	**63298.**	**6032.7**
Stddev	2.3	132.	11.5
%RSD	.05695	.20894	.19030
#1	4059.0	63392.	6024.6
#2	4055.7	63205.	6040.9

Sample Name: CCB Acquired: 4/11/2012 7:40:32 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00061**	**-.00071**	**-.00019**	**.00046**	**.00001**	**-.00165**	**-.00228**	**.00010**	**-.00001**	**-.00007**	**-.00045**	**.00092**
Stddev	.00020	.00027	.00106	.00005	.00021	.00003	.00326	.00200	.00001	.00011	.00013	.00018	.00027
%RSD	37.658	44.228	148.97	26.776	46.920	301.68	197.79	87.790	11.669	1277.6	189.17	39.654	29.348
#1	.00039	.00080	.00004	-.00015	.00061	-.00001	.00066	-.00086	.00011	-.00009	-.00016	-.00058	.00111
#2	.00067	.00042	-.00146	-.00022	.00030	.00003	-.00395	-.00369	.00009	.00007	.00002	-.00033	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05380**	**.00062**	**.00324**	**-.00005**	**.00084**	**.04385**	**-.00034**	**-.00052**	**.00056**	**.01649**	**-.00020**	**-.00113**	**.00102**
Stddev	.01296	.00094	.00062	.00001	.00053	.00493	.00016	.00002	.00024	.00246	.00158	.00133	.00424
%RSD	24.089	150.88	18.984	13.495	62.963	11.236	45.677	3.8359	42.307	14.899	787.40	118.26	414.06
#1	.04464	-.00004	.00368	-.00006	.00046	.04733	-.00023	-.00050	.00039	.01475	.00092	-.00018	-.00197
#2	.06297	.00129	.00281	-.00005	.00121	.04036	-.00045	-.00053	.00073	.01823	-.00132	-.00207	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.00220**	**.00003**	**.00006**	**-.00003**	**-.00082**	**.02221**	**.00029**	**.00124**	**.00106**
Stddev	.00907	.00025	.00014	.00059	.00004	.00056	.00650	.00000	.00016	.00077
%RSD	414.06	11.524	419.03	1037.8	134.55	68.374	29.268	1.7223	12.656	72.407
#1	-.00423	.00238	.00013	-.00036	.00000	-.00042	.01761	.00029	.00135	.00052
#2	.00861	.00202	-.00006	.00047	-.00005	-.00121	.02681	.00028	.00113	.00160
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4100.8**	**64488.**	**6000.8**
Stddev	14.4	323.	30.1
%RSD	.35024	.50037	.50143
#1	4090.6	64260.	6022.0
#2	4110.9	64716.	5979.5

Sample Name: CCVL1351959 Acquired: 4/11/2012 7:42:57 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.10951**	**.01474**	**.09466**	**.01079**	**.00096**	**.10824**	**.21282**	**.00528**	**.01057**	**.01037**	**.01410**	**.10545**
Stddev	.00038	.00231	.00193	.00050	.00032	.00002	.00200	.00085	.00005	.00003	.00012	.00031	.00267
%RSD	3.5959	2.1119	13.066	.52911	2.9201	2.5287	1.8449	.40036	1.0176	.30682	1.1156	2.2032	2.5289
#1	.01034	.11115	.01338	.09431	.01057	.00094	.10966	.21342	.00524	.01059	.01029	.01388	.10733
#2	.01088	.10787	.01611	.09502	.01101	.00098	.10683	.21222	.00532	.01055	.01045	.01431	.10356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2710**	**.01287**	**.21058**	**.01036**	**.01947**	**1.1221**	**.04180**	**2.7527**	**.01044**	**.02700**	F **.00677**	**.01872**	**.48184**
Stddev	.0443	.00153	.00038	.00015	.00010	.0029	.00009	.0060	.00090	.02108	.00007	.00458	.00361
%RSD	1.3546	11.858	.18033	1.4300	.50418	.25476	.21741	.21919	8.5898	78.078	1.0401	24.459	.74830
#1	3.3023	.01179	.21085	.01025	.01940	1.1241	.04187	2.7484	.00980	.04191	.00682	.02195	.47929
#2	3.2397	.01395	.21031	.01046	.01954	1.1201	.04174	2.7570	.01107	.01209	.00672	.01548	.48439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0311**	**.10097**	**.01048**	**.01451**	**.00960**	**.01606**	F **.09124**	**.01033**	**.02057**	**.01626**
Stddev	.0077	.00033	.00001	.00161	.00017	.00075	.02868	.00016	.00027	.00111
%RSD	.74830	.32660	.08990	11.074	1.7256	4.6981	31.430	1.5633	1.2980	6.8067
#1	1.0257	.10074	.01047	.01338	.00948	.01659	.11151	.01022	.02076	.01704
#2	1.0366	.10120	.01049	.01565	.00971	.01553	.07096	.01045	.02038	.01547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4120.3**	**65733.**	**6080.7**
Stddev	1.7	268.	27.4
%RSD	.04091	.40798	.45008
#1	4121.5	65922.	6061.3
#2	4119.1	65543.	6100.0

Sample Name: Pb 200 Acquired: 4/11/2012 7:50:09 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00046**	**-.00289**	**-.00120**	**.00044**	**.00001**	**-.00125**	**.00128**	**-.00011**	**.00004**
Stddev	.00019	.00021	.00112	.00001	.00001	.00001	.00150	.00497	.00011	.00004
%RSD	26.839	45.166	38.921	1.0050	1.4281	91.850	120.10	388.07	102.89	114.71
#1	.00058	.00032	-.00368	-.00119	.00043	.00002	-.00019	-.00223	-.00003	.00001
#2	.00085	.00061	-.00209	-.00120	.00044	.00000	-.00231	.00480	-.00018	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00024**	**.00522**	**.01448**	**.00237**	**.00452**	**.00016**	**-.00051**	**.01099**	**-.00036**
Stddev	.00003	.00021	.00035	.01155	.00043	.00035	.00001	.00003	.00226	.00026
%RSD	124.78	84.573	6.6320	79.783	18.273	7.8034	7.6071	5.5148	20.608	73.651
#1	.00005	-.00010	.00546	.02264	.00268	.00477	.00017	-.00053	.01259	-.00017
#2	.00000	-.00039	.00497	.00631	.00206	.00428	.00015	-.00049	.00939	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	W **198.68**	**.00769**	**-.00330**	**-.00234**	**.00677**	**.01449**	**.00219**	**.00006**	**-.00042**
Stddev	.00111	.13	.00256	.00011	.00022	.00615	.01316	.00174	.00001	.00144
%RSD	217.09	.06536	33.338	3.4134	9.2240	90.815	90.815	79.548	20.611	346.07
#1	.00027	198.59	.00587	-.00338	-.00249	.00242	.00519	.00096	.00005	-.00143
#2	-.00129	198.77	.00950	-.00322	-.00219	.01112	.02380	.00343	.00007	.00060
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00009**	**.00862**	**.00040**	**.00044**	**-.00085**
Stddev	.00002	.00102	.00147	.00005	.00063	.00093
%RSD	51.611	1072.9	17.012	13.784	143.29	110.07
#1	.00002	-.00062	.00966	.00036	-.00001	-.00151
#2	.00005	.00081	.00758	.00044	.00089	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.8**	**65501.**	**6160.7**
Stddev	8.9	74.	12.8
%RSD	.21367	.11252	.20789
#1	4156.1	65449.	6169.8
#2	4143.5	65553.	6151.7

Sample Name: X Acquired: 4/11/2012 7:52:33 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00016**	**.00118**	**-.00128**	**.00027**	**.00005**	**-.00105**	**-.00334**	**.00024**	**-.00015**
Stddev	.00011	.00009	.00043	.00043	.00007	.00005	.00074	.00075	.00016	.00013
%RSD	15.323	54.188	36.911	33.405	24.804	99.600	70.829	22.449	66.947	90.459
#1	.00077	.00022	.00148	-.00098	.00022	.00002	-.00157	-.00387	.00036	-.00005
#2	.00062	.00010	.00087	-.00158	.00032	.00009	-.00052	-.00281	.00013	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.00065**	**.00138**	W **.00939**	**.00026**	**.00499**	**.00001**	**-.00023**	F **-.01348**	**.00001**
Stddev	.00024	.00020	.00075	.01418	.00036	.00314	.00000	.00041	.00728	.00038
%RSD	181.19	30.945	54.077	151.03	137.73	62.855	28.703	181.86	53.981	2902.8
#1	-.00030	-.00079	.00191	-.00064	.00052	.00721	.00001	.00006	-.01862	.00028
#2	.00004	-.00051	.00085	.01941	.00001	.00277	.00002	-.00051	-.00833	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.00500					.01000	
Low Limit				-.00500					-.01000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00176**	**.00059**	**-.00250**	**-.00065**	**-.00466**	**-.00997**	**.00181**	**.00002**	**-.00020**
Stddev	.00028	.00017	.00314	.00125	.00518	.00503	.01076	.00078	.00004	.00101
%RSD	83.690	9.4469	533.18	49.979	799.32	107.97	107.97	43.074	203.38	504.59
#1	-.00014	.00164	.00281	-.00162	-.00431	-.00110	-.00236	.00126	-.00001	-.00091
#2	-.00053	.00187	-.00163	-.00339	.00301	-.00822	-.01758	.00236	.00005	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00081**	W **.00956**	**.00026**	**-.00005**	**.00020**
Stddev	.00028	.00130	.00901	.00018	.00004	.00109
%RSD	246.38	159.12	94.251	68.684	74.829	533.70
#1	.00008	.00010	.01592	.00013	-.00002	-.00057
#2	-.00031	-.00173	.00319	.00039	-.00008	.00097
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500			
Low Limit			-.00500			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4098.0**	**64300.**	**5965.1**
Stddev	12.2	127.	33.0
%RSD	.29870	.19799	.55398
#1	4106.6	64390.	5941.8
#2	4089.3	64210.	5988.5

Sample Name: X Acquired: 4/11/2012 7:54:59 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00591	F 514.08	-.00265	.00022	.00095	.00000	-.03759	F 458.17	.00024	.00197
Stddev	.00010	.88	.00329	.00051	.00005	.0000	.00044	2.14	.00007	.00003
%RSD	1.6240	.17135	124.01	233.42	4.7992	328.83	1.1826	.46699	29.575	1.4402
#1	.00584	514.70	-.00033	.00057	.00092	.00000	-.03728	459.68	.00029	.00195
#2	.00597	513.46	-.00498	-.00014	.00098	.00000	-.03791	456.65	.00019	.00199
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.00500	.01000						.01000		
Low Limit	-.00500	-.01000						-.01000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00939	F .01077	F 190.95	F .03545	-.00001	W -.00515	F 18.571	-.00257	W -.00941	.00388
Stddev	.00015	.00034	.70	.00329	.00210	.00125	.076	.00010	.00518	.00046
%RSD	1.6134	3.1637	.36890	9.2672	29093.	24.272	.40786	3.8014	55.005	11.864
#1	.00928	.01052	191.45	.03313	-.00149	-.00603	18.624	-.00250	-.01308	.00420
#2	.00950	.01101	190.45	.03778	.00148	-.00426	18.517	-.00264	-.00575	.00355
Check ?	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500	.01000	.01000	.01000		.00500	.01000		.00500	
Low Limit	-.00500	-.01000	-.01000	-.01000		-.00500	-.01000		-.00500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00176	F .12415	-.00427	.00171	F .02862	F .06125	W .00562	F .02209	F 11.132
Stddev	.00173	.00093	.00948	.00292	.00839	.01159	.02480	.00196	.00006	.034
%RSD	622.03	52.643	7.6331	68.490	490.81	40.483	40.483	34.847	.29312	.30748
#1	.00151	.00242	.13085	-.00220	.00764	.02043	.04372	.00700	.02204	11.108
#2	-.00095	.00111	.11745	-.00633	-.00422	.03682	.07879	.00423	.02213	11.156
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Warn	Chk Fail	Chk Fail
High Limit			.01000			.01000	.01000	.00500	.01000	.01000
Low Limit			-.01000			-.01000	-.01000	-.00500	-.01000	-.01000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00382	W -.00534	F 20.135	W .00671	.00153	W .00556
Stddev	.00072	.00356	.143	.00002	.00024	.00219
%RSD	18.808	66.661	.71104	.32046	15.598	39.465
#1	.00331	-.00282	20.034	.00670	.00136	.00711
#2	.00433	-.00786	20.236	.00673	.00170	.00401
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Warn	Chk Pass	Chk Warn
High Limit		.00500	.01000	.00500		.00500
Low Limit		-.00500	-.01000	-.00500		-.00500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3756.8	56657.	6181.3
Stddev	2.8	26.	21.2
%RSD	.07430	.04644	.34320
#1	3758.7	56675.	6166.3
#2	3754.8	56638.	6196.3

ICP Data Review Checklist

TALS BATCH NUMBER: 114853, 114957 - 114961		**Earliest due date:** 4/10/12
Run Date: 4/10/12	**Analyst:** JKH for HEB	**Instrument:** 25
QC programs/Methods Run: 6010C 6010B 200.7		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For DU: Were samples with concentrations > the linear range in any analyte diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH **Date:** 4/16/12

Comments:

2nd Level Reviewer: [signature] **Date:** 4/11/12

Comments:

Sample Name: ICIS Acquired: 4/2/2012 10:56:47 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00225**	**.00025**	**-.03798**	**-.00038**	**.00137**	**.01910**	**-.00060**	**-.00059**	**.01133**	**.00028**	**-.00021**	**-.00016**
Stddev	.00039	.00014	.00058	.00006	.00019	.00106	.00039	.00016	.00091	.00005	.00009	.00018
%RSD	17.415	54.241	1.5306	16.915	13.537	5.5467	65.990	26.463	8.0692	19.352	43.399	112.50
#1	-.00252	.00035	-.03757	-.00043	.00124	.01835	-.00032	-.00048	.01198	.00031	-.00027	-.00003
#2	-.00197	.00016	-.03839	-.00034	.00150	.01985	-.00088	-.00070	.01068	.00024	-.00014	-.00029

Elem	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00498**	**.00086**	**.00209**	**.03252**	**-.01520**	**.00046**	**.00100**	**.00010**	**.02021**	**-.02598**	**-.00067**	**.00016**
Stddev	.00027	.00033	.00025	.00125	.00046	.00068	.00097	.00002	.00116	.00162	.00005	.00014
%RSD	5.3877	37.981	11.993	3.8539	3.0567	149.56	97.312	23.199	5.7272	6.2459	7.6792	85.215
#1	.00479	.00109	.00226	.03164	-.01488	-.00003	.00031	.00012	.01939	-.02712	-.00063	.00026
#2	.00517	.00063	.00191	.03341	-.01553	.00094	.00169	.00009	.02103	-.02483	-.00070	.00006

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00006**	**-.00053**	**-.00012**	**.00049**	**.00204**	**.00005**	**-.00403**	**.00034**	**.00003**	**-.00010**	**.00058**	**.00088**
Stddev	.00028	.00000	.00025	.00009	.00035	.00006	.00015	.00050	.00023	.00009	.00048	.00028
%RSD	496.92	.28696	212.25	18.604	17.221	116.20	3.7228	147.81	647.44	84.148	83.478	32.393
#1	.00014	-.00053	.00006	.00056	.00229	.00001	-.00414	-.00002	-.00012	-.00004	.00024	.00067
#2	-.00026	-.00053	-.00030	.00043	.00179	.00010	-.00393	.00069	.00019	-.00016	.00092	.00108

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00003**	**-.00198**
Stddev	.00002	.00026
%RSD	92.482	12.997
#1	.00001	-.00216
#2	.00004	-.00180

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4330.0**	**61183.**	**4212.2**
Stddev	9.5	11.	39.1
%RSD	.22013	.01870	.92737
#1	4336.7	61192.	4184.6
#2	4323.3	61175.	4239.8

Sample Name: IC1 Acquired: 4/2/2012 10:59:20 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.25746**	**.10740**	**.08979**	**.29843**	**4.9246**	**9.6516**	**2.2855**	**1.5644**	**.90956**	**1.0598**	**.35498**	**1.0941**	**6.0425**
Stddev	.00024	.00058	.00036	.00059	.0190	.0422	.0080	.0022	.00264	.0037	.00025	.0034	.0202
%RSD	.09358	.53966	.40579	.19730	.38666	.43675	.35153	.13998	.28986	.35259	.07095	.30665	.33399
#1	.25729	.10699	.09005	.29884	4.9111	9.6218	2.2798	1.5659	.91143	1.0624	.35516	1.0918	6.0282
#2	.25763	.10781	.08953	.29801	4.9380	9.6814	2.2912	1.5628	.90770	1.0571	.35481	1.0965	6.0567

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.5276**	**.83171**	**1.1774**	**.57118**	**2.2115**	**.65261**	**.08008**	**.46854**	**.18683**	**.08461**	**.53219**	**.23628**	**10.164**
Stddev	.0060	.00014	.0001	.00150	.0050	.00146	.00016	.00080	.00017	.00042	.00389	.00072	.037
%RSD	.23716	.01670	.01107	.26248	.22663	.22330	.20517	.17069	.09000	.49975	.73019	.30529	.36078
#1	2.5233	.83181	1.1773	.57224	2.2079	.65364	.08019	.46910	.18695	.08491	.52944	.23679	10.138
#2	2.5318	.83161	1.1775	.57012	2.2150	.65158	.07996	.46797	.18671	.08431	.53494	.23577	10.190

Elem	Ti3349	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.37938**	**.19100**	**.23160**	**.03244**	**.45408**
Stddev	.00055	.00052	.00040	.00000	.00113
%RSD	.14405	.27062	.17187	.00473	.24943
#1	.37900	.19136	.23131	.03244	.45328
#2	.37977	.19063	.23188	.03244	.45488

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4256.1**	**59135.**	**4430.2**
Stddev	5.3	170.	10.5
%RSD	.12462	.28725	.23662
#1	4252.4	59255.	4422.8
#2	4259.9	59015.	4437.6

Sample Name: IC2 Acquired: 4/2/2012 11:01:39 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6.7261**	**.21506**	**.98630**	**3.0575**	**.23511**	**.61263**	**.13321**
Stddev	.0094	.00104	.00229	.0021	.00033	.00035	.00051
%RSD	.14041	.48390	.23206	.06739	.14095	.05742	.37973
#1	6.7328	.21432	.98792	3.0589	.23488	.61288	.13356
#2	6.7194	.21579	.98468	3.0560	.23534	.61239	.13285

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.6**	**56908.**	**4386.5**
Stddev	4.7	29.	9.4
%RSD	.11394	.05025	.21371
#1	4120.9	56887.	4379.9
#2	4114.3	56928.	4393.2

Sample Name: S1-1338460 Acquired: 4/2/2012 11:04:12 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0048**	**1.0270**	**1.9989**	**.99821**	**1.0026**	**1.0011**	**.00360**	**10.059**	**.99955**	**1.0011**	**1.0009**	**1.0007**
Stddev	.0040	.0085	.0077	.00103	.0050	.0046	.00199	.037	.00114	.0009	.0016	.0035
%RSD	.40049	.83011	.38398	.10337	.49791	.46434	55.218	.37257	.11412	.09354	.16239	.34726
#1	1.0076	1.0209	2.0043	.99894	1.0061	1.0044	.00219	10.086	1.0004	1.0018	1.0021	1.0031
#2	1.0019	1.0330	1.9935	.99748	.99904	.99784	.00501	10.033	.99874	1.0004	.99978	.99820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0254**	**100.07**	**1.9982**	**40.187**	**1.0030**	**1.0006**	**10.195**	F **10.516**	**1.0020**	**1.9969**	**1.9966**	**.00886**
Stddev	.0404	.33	.0092	.131	.0008	.0013	.058	.269	.0023	.0012	.0004	.00254
%RSD	.80303	.33247	.45977	.32676	.07798	.13282	.57036	2.5536	.23273	.05947	.01859	28.710
#1	5.0539	100.30	2.0047	40.280	1.0035	1.0016	10.236	10.706	1.0037	1.9960	1.9969	.00706
#2	4.9969	99.833	1.9917	40.094	1.0024	.99970	10.154	10.326	1.0004	1.9977	1.9963	.01065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value								10.000				
Range								5.0000%				

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9996**	**1.9890**	**10.016**	**2.0048**	**1.0005**	**-.00374**	**1.0043**	**2.0016**	**.01167**	**1.0037**	**1.0094**	**1.0018**
Stddev	.0018	.0152	.010	.0036	.0042	.00061	.0023	.0062	.00101	.0020	.0041	.0057
%RSD	.09188	.76147	.10462	.18055	.41599	16.383	.22886	.31127	8.6306	.20337	.40819	.56605
#1	2.0009	1.9997	10.023	2.0073	1.0034	-.00418	1.0059	2.0060	.01238	1.0052	1.0123	1.0058
#2	1.9983	1.9783	10.008	2.0022	.99754	-.00331	1.0027	1.9972	.01096	1.0023	1.0065	.99779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4254.4**	**59016.**	**4423.1**
Stddev	.1	53.	12.0
%RSD	.00155	.08944	.27183
#1	4254.4	59054.	4431.6
#2	4254.3	58979.	4414.6

Sample Name: S2-1338466 Acquired: 4/2/2012 11:06:28 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**99.678**	**-.00472**	**.00561**	**.00035**	**.00013**	**1.9857**	**.01940**	**-.00264**	**.00468**	**.00109**	**.00059**	**99.919**
Stddev	.00007	.248	.01037	.00060	.00041	.00004	.0069	.00057	.00075	.00069	.00094	.00026	.264
%RSD	14.113	.24886	219.75	10.706	118.54	30.156	.34727	2.9300	28.333	14.739	86.266	44.348	.26412
#1	.00042	99.503	-.01205	.00518	.00064	.00016	1.9906	.01980	-.00317	.00420	.00043	.00040	99.732
#2	.00051	99.853	.00261	.00603	.00006	.00010	1.9808	.01900	-.00211	.00517	.00176	.00077	100.11
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04361**	**.00373**	**-.04151**	**-.00161**	**-.00050**	**498.02**	**.00456**	**.01175**	**.00070**	**9.9943**	**-.00565**	**-.00040**	**.02455**
Stddev	.01551	.00111	.00367	.00003	.00115	.64	.00069	.00427	.00246	.0085	.00145	.00065	.02187
%RSD	35.559	29.765	8.8528	2.1067	226.91	.12905	15.094	36.318	349.08	.08515	25.665	161.55	89.078
#1	.05457	.00452	-.04411	-.00164	-.00132	497.57	.00407	.00874	-.00104	10.000	-.00667	-.00086	.04001
#2	.03264	.00295	-.03891	-.00159	.00031	498.48	.00504	.01477	.00244	9.9883	-.00462	.00006	.00909
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00744**	**.00067**	**9.9305**	**.01001**	**.00613**	**19.950**	**.01363**	**.00189**	**-.08496**
Stddev	.00191	.00006	.0077	.00025	.00211	.004	.00000	.00025	.00142
%RSD	25.674	8.5198	.07712	2.4712	34.368	.02236	.00220	13.177	1.6759
#1	.00609	.00063	9.9251	.01019	.00464	19.947	.01363	.00171	-.08596
#2	.00879	.00072	9.9359	.00984	.00762	19.953	.01363	.00207	-.08395
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4122.2**	**57110.**	**4398.5**
Stddev	3.7	34.	.3
%RSD	.08895	.05957	.00725
#1	4119.6	57134.	4398.7
#2	4124.8	57086.	4398.3

Sample Name: ICVH-1338471 Acquired: 4/2/2012 11:09:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**39.274**	**-.00152**	**.00186**	**-.00032**	**.00011**	**.51900**	**38.666**	**-.00061**	**.00134**	**.00057**	**.00061**	**77.681**
Stddev	.00027	.092	.00136	.00040	.00031	.00002	.00463	.074	.00024	.00001	.00013	.00050	.237
%RSD	101.51	.23481	89.293	21.745	95.908	20.424	.89224	.19085	39.981	.75033	23.541	81.043	.30448
#1	-.00007	39.208	-.00248	.00157	-.00010	.00009	.51572	38.614	-.00044	.00134	.00067	.00096	77.514
#2	-.00045	39.339	-.00056	.00215	-.00054	.00013	.52227	38.718	-.00078	.00133	.00048	.00026	77.848
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	Chk Pass	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03742**	**.00119**	**-.04191**	**.00013**	**-.00126**	**40.179**	**.00269**	**.00668**	**.00081**	**3.9291**	**-.00366**	**-.00467**	**.01381**
Stddev	.01015	.00132	.00206	.00008	.00029	.306	.00007	.00152	.00228	.0093	.00128	.00151	.01473
%RSD	27.117	110.88	4.9146	62.713	23.418	.76051	2.5234	22.801	283.25	.23765	35.055	32.317	106.64
#1	-.03025	.00212	-.04336	.00007	-.00105	39.963	.00274	.00560	.00242	3.9225	-.00275	-.00360	.02422
#2	-.04460	.00026	-.04045	.00019	-.00147	40.395	.00264	.00776	-.00081	3.9357	-.00457	-.00574	.00340
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**.00063**	**2.9415**	**.00202**	**.00030**	**4.8937**	**.00364**	**2.4771**	**-.02332**
Stddev	.00005	.00008	.0039	.00000	.00035	.0141	.00036	.0078	.00098
%RSD	2.3166	13.211	.13098	.11583	117.78	.28761	9.9866	.31637	4.2005
#1	.00203	.00058	2.9388	.00202	.00005	4.8838	.00390	2.4716	-.02402
#2	.00196	.00069	2.9442	.00202	.00055	4.9037	.00338	2.4827	-.02263
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4303.7**	**59916.**	**4481.5**
Stddev	2.8	27.	14.1
%RSD	.06425	.04556	.31443
#1	4301.7	59936.	4471.6
#2	4305.6	59897.	4491.5

Sample Name: ICV-1332160 Acquired: 4/2/2012 11:13:08 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25143**	F **.26395**	**.24905**	**.24716**	**.25537**	**.24675**	**-.00328**	**2.0245**	**.25423**	**.25797**	**.26076**	**.25670**
Stddev	.00013	.00125	.00363	.00114	.00013	.00042	.00187	.0071	.00032	.00073	.00001	.00117
%RSD	.05221	.47182	1.4560	.46116	.05025	.16834	56.969	.34892	.12682	.28255	.00365	.45652
#1	.25152	.26484	.24649	.24797	.25546	.24704	-.00461	2.0295	.25400	.25745	.26076	.25587
#2	.25133	.26307	.25162	.24636	.25528	.24646	-.00196	2.0195	.25445	.25848	.26075	.25753
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.0000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25925**	**20.080**	**.25791**	**9.9527**	**.25771**	**.25232**	**2.0486**	**.25991**	**1.9528**	**.25874**	**.00446**	**.24863**
Stddev	.00310	.071	.00060	.0066	.00023	.00088	.0201	.00061	.0060	.00062	.00015	.00110
%RSD	1.1954	.35113	.23423	.06608	.09119	.34918	.98109	.23484	.30827	.23981	3.2680	.44357
#1	.25706	20.030	.25833	9.9574	.25754	.25169	2.0343	.25948	1.9486	.25830	.00456	.24941
#2	.26144	20.130	.25748	9.9481	.25787	.25294	2.0628	.26034	1.9571	.25917	.00436	.24785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49168**	**2.0218**	**.51127**	**.25558**	**-.00656**	**.25008**	**.52434**	**-.00980**	**.25393**	**.25008**	**.24530**
Stddev	.00036	.0243	.00134	.00004	.00070	.00042	.00034	.01063	.00055	.00019	.00116
%RSD	.07387	1.2024	.26116	.01497	10.669	.16932	.06403	108.46	.21604	.07668	.47159
#1	.49194	2.0390	.51032	.25555	-.00607	.25038	.52458	-.01732	.25354	.24995	.24448
#2	.49142	2.0046	.51221	.25560	-.00706	.24978	.52410	-.00228	.25432	.25022	.24611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4261.7**	**60500.**	**4467.3**
Stddev	.3	107.	9.6
%RSD	.00798	.17666	.21446
#1	4261.9	60425.	4460.6
#2	4261.4	60576.	4474.1

Sample Name: ICVL1341782 Acquired: 4/2/2012 11:15:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.10441**	**.01561**	**.09953**	**.00934**	**.00109**	**.11122**	**.20124**	**.00515**	**.01015**	**.01036**
Stddev	.00035	.00108	.00077	.00021	.00013	.00003	.00202	.00261	.00001	.00015	.00015
%RSD	3.4796	1.0390	4.9100	.21277	1.3528	2.4994	1.8171	1.2974	.27577	1.4849	1.4539
#1	.00970	.10518	.01616	.09968	.00943	.00111	.11265	.19940	.00516	.01004	.01025
#2	.01019	.10365	.01507	.09938	.00925	.00107	.10979	.20309	.00514	.01026	.01046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01511**	**.09902**	**2.8920**	F **.01334**	**.18756**	**.00994**	**.02017**	**.99070**	**.04215**	**2.9291**	**.00947**
Stddev	.00028	.00069	.0327	.00025	.00016	.00003	.00010	.00825	.00035	.0016	.00134
%RSD	1.8380	.69512	1.1303	1.9018	.08764	.33190	.48207	.83249	.82700	.05459	14.129
#1	.01491	.09853	2.8688	.01352	.18768	.00991	.02010	.98487	.04190	2.9302	.01042
#2	.01531	.09950	2.9151	.01316	.18744	.00996	.02024	.99654	.04239	2.9280	.00853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.01077**	**.01208**	**.48603**	**.10346**	**.01018**	F **.00742**	**.00964**	W **.01813**	**.05667**	**.00937**
Stddev	.00556	.00151	.00186	.01147	.00004	.00003	.00132	.00006	.00210	.01586	.00030
%RSD	435.03	13.976	15.386	2.3600	.04286	.28630	17.752	.58557	11.578	27.992	3.1784
#1	-.00265	.01184	.01077	.47792	.10343	.01016	.00835	.00968	.01665	.06789	.00958
#2	.00521	.00971	.01340	.49415	.10350	.01020	.00649	.00960	.01962	.04545	.00915
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value							.01500		.01500		
Range							-30.000%		20.000%		

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02231**	**.01646**
Stddev	.00025	.00065
%RSD	1.1361	3.9675
#1	.02213	.01692
#2	.02249	.01599
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4360.4**	**61487.**	**4507.2**
Stddev	1.2	65.	2.7
%RSD	.02760	.10610	.05891
#1	4361.3	61533.	4509.1
#2	4359.6	61441.	4505.4

Sample Name: CCVH-1338467 Acquired: 4/2/2012 11:18:05 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**50.273**	**.00160**	**.00056**	**-.00035**	**.00011**	**1.0120**	**.00391**	**-.00173**	**.00182**	**.00055**	**.00076**	**50.475**
Stddev	.00019	.197	.00062	.00044	.00021	.00005	.0015	.00357	.00002	.00002	.00006	.00056	.366
%RSD	80.981	.39110	39.127	78.550	60.899	39.870	.14390	91.296	1.2189	1.0101	11.495	73.503	.72602
#1	-.00036	50.412	.00115	.00087	-.00020	.00015	1.0130	.00643	-.00175	.00183	.00051	.00037	50.734
#2	-.00010	50.134	.00204	.00025	-.00050	.00008	1.0110	.00138	-.00172	.00181	.00060	.00116	50.216
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06914**	**.00196**	**-.03346**	**-.00119**	**-.00149**	**252.04**	**.00257**	**.00340**	**-.00049**	**5.0493**	**-.00754**	**-.00536**	**.00485**
Stddev	.01028	.00143	.00185	.00007	.00011	.99	.00034	.00258	.00033	.0040	.00037	.00098	.00120
%RSD	14.862	73.213	5.5411	5.9620	7.0577	.39367	13.140	75.785	67.256	.07901	4.8958	18.289	24.737
#1	-.06188	.00094	-.03215	-.00124	-.00141	252.74	.00281	.00158	-.00026	5.0465	-.00780	-.00605	.00400
#2	-.07641	.00297	-.03477	-.00114	-.00156	251.34	.00234	.00523	-.00073	5.0521	-.00728	-.00466	.00569
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00283**	**.00052**	**4.9804**	**.00451**	**.00236**	**10.152**	**.00677**	**.00240**	**-.04107**
Stddev	.00037	.00009	.0165	.00005	.00059	.014	.00030	.00030	.00110
%RSD	13.072	17.261	.33183	1.0649	25.152	.13457	4.4967	12.461	2.6835
#1	.00256	.00058	4.9687	.00455	.00194	10.142	.00656	.00219	-.04029
#2	.00309	.00045	4.9921	.00448	.00278	10.161	.00699	.00262	-.04185
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4263.2**	**59321.**	**4488.7**
Stddev	.6	126.	12.6
%RSD	.01385	.21181	.27988
#1	4262.8	59410.	4479.8
#2	4263.6	59232.	4497.6

Sample Name: CCV-1338469 Acquired: 4/2/2012 11:20:30 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50636**	**.51621**	**1.0054**	**.50557**	**.50395**	**.49888**	**.00004**	**5.0540**	**.50611**	**.50815**	**.50566**	**.50271**	**2.5202**
Stddev	.00074	.00723	.0003	.00198	.00352	.00370	.00014	.0389	.00076	.00092	.00144	.00058	.0219
%RSD	.14650	1.3997	.03002	.39244	.69942	.74210	332.32	.76985	.15015	.18049	.28475	.11494	.86747
#1	.50584	.51110	1.0056	.50417	.50146	.49626	-.00006	5.0265	.50557	.50750	.50464	.50312	2.5047
#2	.50689	.52131	1.0052	.50697	.50645	.50150	.00014	5.0815	.50664	.50880	.50668	.50230	2.5356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.995**	**1.0058**	**20.145**	**.50049**	**.50193**	**5.0264**	**.51081**	**1.0070**	**1.0209**	**-.00632**	**1.0031**	**1.0042**	**4.9867**
Stddev	.279	.0064	.009	.00058	.00041	.0089	.00112	.0032	.0012	.00181	.0039	.0008	.0478
%RSD	.55784	.63525	.04553	.11604	.08122	.17664	.21901	.32055	.12138	28.689	.38508	.08241	.95774
#1	49.797	1.0013	20.151	.50090	.50164	5.0201	.51002	1.0047	1.0200	-.00504	1.0004	1.0048	4.9529
#2	50.192	1.0103	20.138	.50008	.50221	5.0326	.51160	1.0093	1.0218	-.00760	1.0058	1.0036	5.0204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0146**	**.50267**	**-.00742**	**.49930**	**1.0361**	**.03714**	**.49999**	**.50447**	**.49836**
Stddev	.0033	.00430	.00019	.00108	.0041	.00324	.00049	.00128	.00001
%RSD	.32638	.85482	2.6031	.21566	.39954	8.7177	.09714	.25346	.00270
#1	1.0123	.49963	-.00729	.50006	1.0391	.03943	.50033	.50356	.49836
#2	1.0169	.50570	-.00756	.49854	1.0332	.03485	.49965	.50537	.49835
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4311.9**	**60457.**	**4489.1**
Stddev	13.4	18.	10.6
%RSD	.31183	.02945	.23664
#1	4321.4	60470.	4496.6
#2	4302.4	60445.	4481.5

Sample Name: ICB Acquired: 4/2/2012 11:22:48 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**-.00067**	**-.00162**	**-.00002**	**-.00041**	**.00010**	**-.00246**	**-.00445**	**.00031**	**-.00006**
Stddev	.00029	.00027	.00154	.00018	.00015	.00003	.00128	.00041	.00010	.00010
%RSD	47.163	40.238	95.091	774.76	37.422	30.498	51.944	9.2908	31.632	162.62
#1	-.00083	-.00048	-.00271	.00011	-.00030	.00012	-.00156	-.00416	.00038	-.00013
#2	-.00041	-.00086	-.00053	-.00015	-.00051	.00008	-.00336	-.00475	.00024	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00014**	**-.00097**	**-.08717**	**.00229**	W **-.02030**	F **-.00058**	**.00071**	**-.02087**	**-.00023**
Stddev	.00031	.00020	.00219	.04315	.00219	.00092	.00002	.00018	.01936	.00026
%RSD	718.03	141.32	224.91	49.499	95.816	4.5216	4.1432	24.713	92.759	109.84
#1	-.00027	-.00028	-.00252	-.05666	.00384	-.02095	-.00060	.00084	-.00718	-.00005
#2	.00018	.00000	.00057	-.11768	.00074	-.01965	-.00057	.00059	-.03456	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.01070	.00051			
Low Limit						-.01070	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00046**	**-.00137**	F **.00645**	W **-.00537**	**-.00306**	**.00064**	**.00021**	**-.00651**	**-.00050**
Stddev	.00063	.00066	.00536	.00166	.00414	.01013	.00040	.00012	.00024	.00033
%RSD	155.78	141.87	391.85	25.701	77.059	330.57	63.692	57.919	3.7269	66.821
#1	.00085	.00093	.00242	.00528	-.00244	.00410	.00092	.00029	-.00634	-.00026
#2	-.00004	.00000	-.00516	.00763	-.00830	-.01023	.00035	.00012	-.00668	-.00073
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00628	.00486					
Low Limit				-.00628	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**-.03242**	**-.00041**	**.00160**	**-.00173**
Stddev	.00032	.00442	.00026	.00010	.00050
%RSD	45.425	13.639	63.649	6.3983	28.978
#1	.00093	-.02929	-.00060	.00168	-.00138
#2	.00048	-.03555	-.00023	.00153	-.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4249.3**	**60845.**	**4432.4**
Stddev	50.5	262.	12.7
%RSD	1.1881	.43075	.28719
#1	4213.6	61030.	4441.4
#2	4285.0	60660.	4423.4

Sample Name: CRI-1341783 Acquired: 4/2/2012 11:25:19 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01051**	**.11463**	**.00913**	**.10553**	**.00517**	**.00112**	W **.12032**	**.21104**	**.00547**	**.00551**	**.01114**
Stddev	.00020	.00022	.00233	.00007	.00013	.00000	.00165	.00196	.00004	.00028	.00003
%RSD	1.9277	.18865	25.538	.06838	2.4446	.06973	1.3727	.92891	.74412	5.0714	.29103
#1	.01066	.11478	.01078	.10548	.00508	.00112	.12148	.21243	.00544	.00532	.01117
#2	.01037	.11447	.00748	.10559	.00526	.00112	.11915	.20966	.00550	.00571	.01112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01101**	**.03277**	**.98623**	W **.01279**	**.19998**	**.00280**	**.01033**	**1.0338**	**.01144**	**1.0446**	**.00291**
Stddev	.00046	.00009	.01377	.00131	.00094	.00005	.00008	.0106	.00002	.0006	.00077
%RSD	4.1880	.26181	1.3960	10.258	.47019	1.7122	.78872	1.0240	.18141	.05718	26.598
#1	.01068	.03271	.99596	.01372	.20065	.00277	.01039	1.0413	.01143	1.0441	.00236
#2	.01133	.03283	.97649	.01186	.19932	.00284	.01027	1.0263	.01146	1.0450	.00345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10556**	**.00955**	F **.00139**	**.50308**	**.02083**	**.00545**	F **.00383**	**.00944**	**.01066**	W **.07514**	**.01013**
Stddev	.00141	.00221	.00264	.01461	.00016	.00003	.00049	.00000	.00029	.03137	.00000
%RSD	1.3313	23.195	190.64	2.9031	.74796	.49110	12.798	.02090	2.7560	41.747	.02212
#1	.10457	.00798	.00325	.51341	.02094	.00547	.00417	.00944	.01046	.09732	.01014
#2	.10656	.01112	-.00048	.49275	.02072	.00543	.00348	.00943	.01087	.05296	.01013
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value			.01000				.01000			.06000	
Range			-50.000%				-50.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.01240**	**.00931**
Stddev	.00061	.00109
%RSD	4.9327	11.747
#1	.01197	.01008
#2	.01283	.00854
Check ?	Chk Warn	Chk Pass
Value	.01000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4367.4**	**61859.**	**4409.7**
Stddev	8.9	54.	123.3
%RSD	.20374	.08725	2.7951
#1	4361.1	61897.	4322.6
#2	4373.7	61821.	4496.9

Sample Name: cri-1342104 Acquired: 4/2/2012 11:31:44 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**-.00187**	**.00095**	**-.00108**	**-.00056**	**.00007**	**-.00407**	**.00123**	**.00005**	**-.00007**
Stddev	.00091	.00030	.00508	.00014	.00040	.00005	.00161	.00025	.00019	.00016
%RSD	113.07	16.193	536.58	12.549	71.040	66.870	39.599	20.407	372.51	222.28
#1	-.00145	-.00165	-.00264	-.00118	-.00085	.00004	-.00521	.00140	.00018	-.00018
#2	-.00016	-.00208	.00454	-.00099	-.00028	.00010	-.00293	.00105	-.00008	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00022**	**-.00326**	**-.07923**	**.00166**	**-.02396**	**-.00051**	**-.00031**	**-.06597**	**-.00007**
Stddev	.0001	.00001	.00151	.01336	.00026	.00518	.00001	.00013	.00619	.00015
%RSD	3597.6	4.2143	46.401	16.862	15.742	21.610	.98061	40.767	9.3826	232.51
#1	-.00011	-.00021	-.00219	-.06978	.00184	-.02029	-.00051	-.00041	-.07035	.00004
#2	.00010	-.00023	-.00433	-.08867	.00148	-.02762	-.00051	-.00022	-.06159	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**-.00020**	**.00021**	**-.00030**	**.00883**	**-.01585**	**-.00034**	**.00022**	**-.00608**	**-.00069**
Stddev	.00231	.00053	.00501	.00165	.00117	.01391	.00060	.00002	.00297	.00034
%RSD	210.49	266.89	2440.8	550.90	13.304	87.775	176.37	8.6956	48.799	48.928
#1	-.00273	-.00058	-.00334	.00087	.00800	-.00601	-.00077	.00020	-.00398	-.00045
#2	.00054	.00018	.00375	-.00147	.00966	-.02568	.00008	.00023	-.00818	-.00092
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**-.00806**	**-.00040**	**.01963**	**-.00110**
Stddev	.00012	.01160	.00003	.00011	.00039
%RSD	22.770	143.87	6.5037	.55699	35.606
#1	-.00062	-.01626	-.00038	.01971	-.00082
#2	-.00045	.00014	-.00042	.01955	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4211.7**	**59352.**	**4299.5**
Stddev	8.4	86.	12.9
%RSD	.19985	.14466	.30069
#1	4217.7	59292.	4308.6
#2	4205.8	59413.	4290.3

Sample Name: ICB Acquired: 4/2/2012 11:35:51 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**-.00153**	**.00178**	**-.00105**	**-.00014**	**.00004**	**-.00095**	**.00066**	**.00011**	**-.00021**	**.00004**
Stddev	.00038	.00020	.00153	.00005	.00025	.00004	.00214	.00581	.00003	.00014	.00023
%RSD	68.803	13.056	86.126	4.4439	178.74	104.53	225.29	874.95	31.853	65.787	510.62
#1	-.00029	-.00167	.00069	-.00109	.00004	.00001	.00056	-.00344	.00008	-.00011	.00020
#2	-.00083	-.00138	.00286	-.00102	-.00032	.00006	-.00246	.00477	.00013	-.00031	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00405**	**-.08715**	**.00152**	F **-.02182**	F **-.00054**	**-.00030**	**-.07658**	**.00000**	**.00126**	**-.00050**
Stddev	.00005	.00064	.02251	.00114	.00140	.00003	.00021	.00274	.00028	.00064	.00250
%RSD	43.961	15.765	25.823	75.157	6.4131	4.9144	69.960	3.5772	23379.	50.807	494.98
#1	.00007	-.00450	-.10307	.00071	-.02083	-.00056	-.00015	-.07465	.00020	.00172	-.00227
#2	.00014	-.00359	-.07124	.00233	-.02281	-.00052	-.00045	-.07852	-.00020	.00081	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.02140	.00051					
Low Limit					-.02140	-.00051					

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00333**	**.00112**	**-.00142**	**.00774**	**-.00036**	**.00012**	**-.00637**	**-.00042**	**-.00065**	**-.00835**	**.00001**
Stddev	.00097	.00080	.00361	.00423	.00048	.00008	.00018	.00026	.00018	.03119	.00038
%RSD	29.103	71.201	253.87	54.681	134.51	69.682	2.7606	63.062	28.544	373.58	3545.0
#1	-.00264	.00056	-.00398	.01073	-.00002	.00006	-.00624	-.00060	-.00052	.01370	.00028
#2	-.00401	.00169	.00113	.00475	-.00070	.00017	-.00649	-.00023	-.00078	-.03040	-.00026
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00023**	**-.00212**
Stddev	.00004	.00044
%RSD	18.010	20.719
#1	.00020	-.00243
#2	.00025	-.00181
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.5**	**58857.**	**4202.7**
Stddev	.9	110.	23.2
%RSD	.02062	.18684	.55257
#1	4148.9	58780.	4186.3
#2	4150.1	58935.	4219.1

Sample Name: ICSA-1333972 Acquired: 4/2/2012 12:05:55 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00109**	**505.82**	**-.00300**	W **-.00255**	**-.00010**	**-.00005**	**-.00974**	**481.93**	W **.00090**	**-.00121**
Stddev	.00016	.16	.00184	.00019	.00023	.00009	.00045	.76	.00014	.00018
%RSD	14.203	.03161	61.410	7.5716	233.45	191.28	4.6624	.15716	16.023	14.607
#1	-.00098	505.71	-.00430	-.00241	-.00026	-.00011	-.01006	481.39	.00100	-.00134
#2	-.00120	505.93	-.00170	-.00268	.00006	.00002	-.00942	482.46	.00080	-.00109
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit	.00093			.00156					.00045	
Low Limit	-.00093			-.00156					-.00045	

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00264**	F **.00458**	**192.88**	**-.18931**	**.00122**	**511.42**	F **.00185**	**-.00168**	**-.01969**	F **.00567**
Stddev	.00024	.00037	.04	.04708	.00111	.78	.00012	.00025	.00648	.00014
%RSD	9.0743	8.0466	.02041	24.869	91.001	.15333	6.3426	15.031	32.889	2.5189
#1	.00281	.00432	192.86	-.15602	.00201	511.97	.00176	-.00186	-.01511	.00557
#2	.00247	.00485	192.91	-.22260	.00044	510.86	.00193	-.00150	-.02427	.00577
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit	.00123	.00272					.00051			.00258
Low Limit	-.00132	-.00272					-.00051			-.00258

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00202**	**-.07993**	W **-.00614**	**-.00387**	**.01154**	**-.00140**	F **.00227**	F **-.01753**	F **-.00275**
Stddev	.00248	.00132	.00126	.00185	.00569	.00683	.00214	.00005	.00099	.00020
%RSD	664.52	65.448	1.5815	30.092	147.12	59.200	153.44	2.0782	5.6357	7.2249
#1	.00213	.00108	-.07903	-.00484	.00016	.00671	-.00291	.00224	-.01823	-.00261
#2	-.00138	.00295	-.08082	-.00745	-.00789	.01636	.00012	.00230	-.01683	-.00289
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				.00314				.00060	.01000	.00119
Low Limit				-.00314				-.00060	-.01000	-.00119

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**.01749**	F **.00298**	W **.00571**	**-.00028**
Stddev	.00233	.00604	.00002	.00020	.00008
%RSD	118.58	34.519	.78370	3.4971	28.125
#1	-.00032	.02176	.00299	.00556	-.00022
#2	-.00362	.01322	.00296	.00585	-.00033
Check ?	Chk Pass	None	Chk Fail	Chk Warn	Chk Pass
High Limit			.00222	.00453	
Low Limit			-.00222	-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3971.2**	**53138.**	**4363.6**
Stddev	5.4	10.	12.1
%RSD	.13621	.01818	.27695
#1	3967.3	53131.	4372.1
#2	3975.0	53145.	4355.0

Sample Name: ICSAB-1341784 Acquired: 4/2/2012 12:09:09 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1128**	**515.66**	**2.0632**	**1.9417**	**.51144**	**.49821**	**1.0139**	**489.50**	**1.0520**	**.47153**	**.49341**	**.55669**	**196.33**	**54.331**
Stddev	.0009	.41	.0123	.0034	.00037	.00092	.0075	5.98	.0002	.00053	.00054	.00068	.33	.044
%RSD	.08350	.07867	.59794	.17690	.07185	.18502	.73437	1.2214	.01631	.11195	.10930	.12291	.16640	.08066
#1	1.1122	515.37	2.0545	1.9393	.51118	.49756	1.0192	493.73	1.0522	.47116	.49379	.55717	196.10	54.300
#2	1.1135	515.94	2.0719	1.9441	.51170	.49886	1.0087	485.27	1.0519	.47190	.49303	.55620	196.56	54.362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0722**	**528.16**	**.51768**	**.97256**	**52.592**	**.95119**	**2.0054**	**.94337**	**.96675**	**1.0219**	**5.0712**	**10.573**	**9.1549**	**1.0340**
Stddev	.0029	2.06	.00033	.00013	.226	.00045	.0006	.00295	.00212	.0026	.0061	.031	.0033	.0025
%RSD	.26616	.38944	.06455	.01375	.42970	.04689	.02958	.31219	.21882	.25104	.11988	.29003	.03593	.24437
#1	1.0702	526.71	.51791	.97266	52.752	.95087	2.0058	.94129	.96526	1.0237	5.0755	10.551	9.1573	1.0322
#2	1.0742	529.61	.51744	.97247	52.433	.95150	2.0050	.94545	.96825	1.0201	5.0669	10.594	9.1526	1.0357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0570**	**1.0121**	**8.7081**	**.04830**	**.51707**	**1.0101**	**.97029**
Stddev	.0004	.0008	.0015	.00033	.00096	.0011	.00408
%RSD	.01949	.07581	.01690	.68787	.18509	.10599	.42000
#1	2.0573	1.0126	8.7070	.04806	.51639	1.0094	.97317
#2	2.0567	1.0116	8.7091	.04853	.51775	1.0109	.96740
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3930.4**	**52823.**	**4346.8**
Stddev	8.0	4.	11.6
%RSD	.20437	.00784	.26676
#1	3936.1	52820.	4338.6
#2	3924.8	52825.	4355.0

Sample Name: LRA-1341785 Acquired: 4/2/2012 12:12:08 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0439**	**-.08622**	**10.332**	**9.8758**	**12.372**	**.00204**	**.02276**	**.03474**	**2.1076**	**5.1658**	**10.213**	**10.864**
Stddev	.0041	.00082	.053	.0379	.251	.00002	.00300	.01120	.0101	.0281	.079	.026
%RSD	.20002	.94845	.51565	.38336	2.0255	.86790	13.161	32.248	.48018	.54326	.76955	.23678
#1	2.0468	-.08564	10.369	9.9025	12.195	.00205	.02065	.04267	2.1148	5.1857	10.269	10.882
#2	2.0411	-.08680	10.294	9.8490	12.550	.00202	.02488	.02682	2.1005	5.1460	10.158	10.846
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**526.88**	**-.22755**	**.00116**	**-.12886**	**10.329**	**5.0897**	**-.08454**	**10.525**	**-.00988**	F **10.615**	**-.03894**	**.00769**
Stddev	.63	.04743	.00454	.00092	.067	.0326	.00024	.058	.00216	.037	.00876	.00129
%RSD	.11979	20.843	391.65	.71726	.64532	.64099	.28768	.55375	21.853	.34401	22.501	16.790
#1	526.43	-.19401	-.00205	-.12821	10.281	5.1128	-.08437	10.566	-.00836	10.641	-.04514	.00860
#2	527.33	-.26108	.00437	-.12952	10.376	5.0666	-.08471	10.484	-.01141	10.589	-.03275	.00677
Check ?	Chk Pass	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Fail	None	None
Value										10.000		
Range										5.0000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1391**	**50.064**	**-.01259**	**10.645**	**-.02485**	**10.199**	**5.2364**	**.22217**	**10.335**	**10.193**	**-.00425**
Stddev	.0141	.128	.00043	.038	.00182	.022	.0159	.01444	.025	.035	.00021
%RSD	.27532	.25535	3.4086	.35629	7.3133	.21397	.30328	6.4995	.24487	.34422	5.0163
#1	5.1491	49.973	-.01228	10.672	-.02357	10.214	5.2476	.23238	10.353	10.218	-.00440
#2	5.1291	50.154	-.01289	10.618	-.02614	10.183	5.2252	.21196	10.317	10.168	-.00410
Check ?	None	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4235.2**	**59582.**	**4422.4**
Stddev	1.5	151.	6.1
%RSD	.03444	.25315	.13685
#1	4234.1	59475.	4426.7
#2	4236.2	59688.	4418.1

Sample Name: CCVH-1338467 Acquired: 4/2/2012 12:14:46 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**50.406**	**.00381**	**.02630**	**.00838**	**.00025**	**1.0095**	**.30722**	**-.00152**	**.00258**	**.00197**	**.00524**	**51.689**
Stddev	.00018	.381	.00103	.00330	.00580	.00021	.0016	.40872	.00018	.00007	.00017	.00068	.281
%RSD	22.591	.75569	27.016	12.564	69.144	81.792	.15408	133.04	11.997	2.7118	8.8335	12.950	.54379
#1	.00068	50.136	.00453	.02863	.00428	.00011	1.0106	.01821	-.00139	.00263	.00209	.00572	51.490
#2	.00094	50.675	.00308	.02396	.01248	.00040	1.0084	.59622	-.00164	.00253	.00184	.00476	51.888
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.11576**	**.00336**	**-.03008**	**.00172**	**.00383**	**252.89**	**.00345**	**.00442**	**.00181**	**5.1406**	**-.00904**	**.00076**	**.09184**
Stddev	.00781	.00064	.00297	.00033	.00005	.48	.00027	.00209	.00055	.0230	.00023	.00299	.02812
%RSD	6.7431	19.103	9.8587	19.169	1.1921	.18899	7.9045	47.346	30.681	.44774	2.4890	394.43	30.616
#1	-.11024	.00381	-.02798	.00196	.00386	252.56	.00325	.00294	.00220	5.1243	-.00888	-.00135	.07196
#2	-.12128	.00290	-.03217	.00149	.00379	253.23	.00364	.00591	.00141	5.1569	-.00920	.00287	.11172
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**.00789**	**4.9873**	**.00814**	**.00666**	**10.205**	**.00996**	**.00502**	**-.03337**
Stddev	.00040	.00515	.0170	.00087	.00032	.046	.00122	.00027	.00170
%RSD	12.291	65.237	.34010	10.700	4.7686	.45310	12.261	5.2925	5.0816
#1	.00355	.00425	4.9993	.00875	.00644	10.238	.01082	.00483	-.03457
#2	.00299	.01153	4.9753	.00752	.00689	10.172	.00910	.00520	-.03217
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4305.8**	**59549.**	**4480.8**
Stddev	3.0	96.	7.7
%RSD	.06959	.16088	.17238
#1	4307.9	59481.	4475.3
#2	4303.7	59617.	4486.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 12:17:11 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50229**	**.54321**	**1.0188**	**.52353**	**.50151**	**.49996**	**.00376**	**5.0620**	**.50937**	**.50964**	**.50474**	**.50986**	**2.5569**
Stddev	.00042	.00363	.0065	.00081	.00081	.00078	.00263	.0011	.00097	.00007	.00139	.00078	.0032
%RSD	.08418	.66806	.63325	.15466	.16248	.15514	69.754	.02134	.19137	.01413	.27445	.15262	.12402
#1	.50199	.54064	1.0142	.52410	.50208	.50051	.00191	5.0628	.50868	.50969	.50376	.51041	2.5591
#2	.50259	.54577	1.0233	.52295	.50093	.49941	.00562	5.0612	.51006	.50959	.50572	.50931	2.5546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.686**	**1.0118**	**20.540**	**.50466**	**.50630**	**4.9945**	**.51778**	**1.0109**	**1.0312**	**-.00339**	**1.0148**	**1.0280**	**5.0611**
Stddev	.002	.0005	.004	.00007	.00124	.0150	.00116	.0039	.0008	.00501	.0053	.0089	.0084
%RSD	.00398	.04659	.02137	.01316	.24548	.30077	.22428	.38425	.08142	147.74	.52746	.86887	.16541
#1	50.685	1.0114	20.543	.50471	.50542	5.0051	.51696	1.0082	1.0306	-.00694	1.0110	1.0217	5.0551
#2	50.688	1.0121	20.537	.50461	.50718	4.9839	.51860	1.0137	1.0318	.00015	1.0185	1.0343	5.0670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0090**	**.50711**	**-.00372**	**.49974**	**1.0420**	**-.00801**	**.49718**	**.50814**	**.49504**
Stddev	.0052	.00039	.00034	.00075	.0004	.02434	.00013	.00063	.00514
%RSD	.51115	.07766	9.1776	.15000	.04300	303.82	.02684	.12339	1.0378
#1	1.0054	.50683	-.00348	.49921	1.0417	-.02522	.49709	.50769	.49867
#2	1.0127	.50739	-.00396	.50027	1.0423	.00920	.49728	.50858	.49141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4363.8**	**60845.**	**4523.8**
Stddev	7.0	4.	4.3
%RSD	.15930	.00579	.09434
#1	4368.7	60847.	4526.8
#2	4358.9	60842.	4520.8

Sample Name: CCB Acquired: 4/2/2012 12:19:29 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00218**	**.00389**	F **.00895**	**-.00032**	**.00018**	**-.00356**	**.00319**	**.00027**	**-.00039**
Stddev	.00013	.00128	.00079	.00086	.00010	.00007	.00119	.00355	.00016	.00009
%RSD	19.119	58.777	20.305	9.6256	31.365	37.708	33.428	111.39	58.844	23.394
#1	-.00079	.00309	.00445	.00956	-.00025	.00013	-.00441	.00570	.00016	-.00032
#2	-.00060	.00127	.00333	.00834	-.00039	.00023	-.00272	.00068	.00039	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312						
Low Limit				-.00312						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00082**	**.00441**	**-.12661**	W **.00358**	W **-.01410**	W **-.00040**	**.00078**	**-.07305**	**-.00021**
Stddev	.00002	.00052	.00023	.01795	.00036	.00190	.00009	.00011	.00337	.00032
%RSD	5.1477	63.127	5.1513	14.174	10.129	13.475	22.336	14.746	4.6182	154.33
#1	.00039	.00118	.00457	-.13930	.00332	-.01545	-.00034	.00086	-.07544	.00002
#2	.00042	.00045	.00425	-.11392	.00383	-.01276	-.00046	.00070	-.07067	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					.00261	.01070	.00025			
Low Limit					-.00261	-.01070	-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00012**	**-.00854**	**.00221**	**-.00345**	**-.00049**	**.00061**	W **.00031**	**-.00545**	**-.00048**
Stddev	.00166	.00096	.00354	.00215	.00021	.01703	.00029	.00005	.00041	.00020
%RSD	2019.1	771.82	41.439	97.187	5.9663	3460.0	47.487	17.157	7.5186	41.225
#1	-.00109	-.00055	-.01104	.00069	-.00360	.01155	.00082	.00034	-.00574	-.00063
#2	.00126	.00080	-.00603	.00373	-.00330	-.01254	.00041	.00027	-.00516	-.00034
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.00030		
Low Limit								-.00030		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00881**	**-.00032**	**.00222**	**-.00067**
Stddev	.00087	.00786	.00036	.00024	.00090
%RSD	948.26	89.243	115.09	10.782	133.12
#1	-.00070	-.00325	-.00006	.00239	-.00131
#2	.00052	-.01437	-.00057	.00205	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4312.0**	**61197.**	**4425.6**
Stddev	7.7	171.	.5
%RSD	.17865	.27998	.01138
#1	4306.5	61076.	4426.0
#2	4317.4	61319.	4425.2

Sample Name: CCVL1341782 Acquired: 4/2/2012 12:22:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.11111**	**.01624**	**.10511**	**.00960**	**.00118**	**.11021**	**.20706**	**.00527**	**.01031**	**.01052**
Stddev	.00032	.00150	.00166	.00013	.00013	.00001	.00323	.00138	.00010	.00010	.00007
%RSD	3.1787	1.3465	10.202	.11897	1.3258	.50656	2.9282	.66491	1.9343	1.0090	.67339
#1	.01027	.11005	.01507	.10520	.00969	.00117	.10793	.20608	.00535	.01039	.01047
#2	.00982	.11217	.01741	.10502	.00951	.00118	.11250	.20803	.00520	.01024	.01057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01647**	**.10349**	**2.9251**	W **.01248**	**.19458**	**.01010**	**.02006**	**.92816**	**.04271**	**2.9628**	**.00880**
Stddev	.00017	.00283	.0010	.00182	.00227	.00006	.00014	.00290	.00029	.0015	.00074
%RSD	1.0283	2.7341	.03303	14.548	1.1682	.62314	.69269	.31260	.66934	.05188	8.3945
#1	.01659	.10149	2.9258	.01119	.19298	.01005	.01996	.93022	.04291	2.9617	.00932
#2	.01635	.10549	2.9244	.01376	.19619	.01014	.02015	.92611	.04251	2.9639	.00828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00556**	W **.00758**	F **.00809**	**.49997**	**.10285**	**.01058**	F **.00926**	**.00953**	**.01640**	**.05854**	**.00905**
Stddev	.00177	.00051	.00874	.00749	.00125	.00008	.00119	.00014	.00100	.02219	.00034
%RSD	31.879	6.7558	108.07	1.4977	1.2152	.78084	12.888	1.5165	6.1052	37.902	3.7903
#1	-.00681	.00794	.01427	.50526	.10197	.01052	.01010	.00963	.01569	.04285	.00929
#2	-.00431	.00722	.00191	.49468	.10373	.01064	.00841	.00943	.01711	.07424	.00881
Check ?	None	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000	.01500				.01500				
Range		-20.000%	-30.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02250**	**.01702**
Stddev	.00037	.00201
%RSD	1.6543	11.833
#1	.02276	.01844
#2	.02224	.01559
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4394.4**	**62110.**	**4488.2**
Stddev	1.6	102.	7.7
%RSD	.03653	.16353	.17178
#1	4395.5	62182.	4493.7
#2	4393.2	62038.	4482.8

Sample Name: MB 280-113656/1-A Acquired: 4/2/2012 12:24:31 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**.00751**	**-.00004**	F **.01562**	**-.00027**	**.00006**	**-.00186**	**.05219**	**.00014**	**-.00038**
Stddev	.00028	.00051	.00568	.00045	.00021	.00000	.00236	.00762	.00006	.00003
%RSD	31.763	6.8231	13951.	2.8738	78.835	2.4361	126.98	14.596	46.918	8.0228
#1	-.00069	.00787	.00397	.01593	-.00042	.00006	-.00352	.04681	.00009	-.00036
#2	-.00109	.00715	-.00406	.01530	-.00012	.00006	-.00019	.05758	.00018	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00096**	**.02960**	**-.11384**	**.00273**	**-.00904**	**-.00039**	**.00005**	**.12314**	**.00001**
Stddev	.00005	.00001	.01049	.02956	.00122	.00066	.00003	.00022	.00130	.00004
%RSD	21.856	.83510	35.451	25.964	44.574	7.2893	7.5856	434.63	1.0566	395.31
#1	.00027	.00095	.02218	-.13474	.00360	-.00857	-.00041	-.00011	.12222	-.00002
#2	.00020	.00096	.03702	-.09294	.00187	-.00951	-.00037	.00021	.12406	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00431**	**-.00028**	**.01739**	**.00033**	**-.00490**	W **.06381**	**.01360**	**.00033**	W **-.00628**	**-.00029**
Stddev	.00226	.00061	.00743	.00114	.00056	.00323	.00039	.00024	.00053	.00018
%RSD	52.392	217.14	42.751	351.50	11.471	5.0659	2.8611	72.451	8.4598	62.400
#1	.00271	.00015	.01213	.00113	-.00450	.06153	.01388	.00016	-.00665	-.00042
#2	.00590	-.00072	.02264	-.00048	-.00530	.06610	.01333	.00050	-.00590	-.00016
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						.05000			.00500	
Low Limit						-.05000			-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.01263**	**-.00055**	**.00202**	**-.00195**
Stddev	.00116	.01413	.00021	.00034	.00105
%RSD	268.19	111.92	39.111	16.773	54.099
#1	.00126	-.02262	-.00040	.00178	-.00120
#2	-.00039	-.00263	-.00070	.00226	-.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4415.7**	**62747.**	**4518.1**
Stddev	3.3	193.	17.5
%RSD	.07576	.30694	.38657
#1	4418.1	62883.	4530.4
#2	4413.4	62610.	4505.7

Sample Name: LCS 280-113656/2-A Acquired: 4/2/2012 12:27:02 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05062**	**2.0923**	**1.0293**	**1.1000**	**2.0540**	**.05160**	**2.0891**	**50.890**	**.10496**	**.50643**
Stddev	.00045	.0104	.0073	.0019	.0058	.00023	.0039	.202	.00014	.00120
%RSD	.89736	.49701	.71346	.16880	.28384	.44789	.18862	.39652	.13139	.23745
#1	.05094	2.0850	1.0345	1.1013	2.0498	.05144	2.0918	50.748	.10506	.50728
#2	.05030	2.0997	1.0241	1.0986	2.0581	.05176	2.0863	51.033	.10486	.50558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20602**	**.26332**	**1.0612**	**52.116**	**1.0388**	**50.501**	**.51689**	**1.0375**	**52.382**	**.51699**
Stddev	.00037	.00077	.0025	.170	.0001	.068	.00035	.0020	.050	.00102
%RSD	.18012	.29280	.23194	.32649	.01242	.13526	.06795	.18860	.09588	.19753
#1	.20628	.26386	1.0595	51.996	1.0387	50.549	.51664	1.0389	52.347	.51772
#2	.20576	.26277	1.0629	52.236	1.0389	50.453	.51714	1.0361	52.418	.51627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.477**	**.51353**	**.02177**	**.51061**	**2.0344**	**2.5992**	**2.0210**	**1.0465**	**1.0105**	**1.0281**
Stddev	.010	.00082	.00343	.00121	.0156	.0084	.0048	.0037	.0029	.0008
%RSD	.09971	.16033	15.732	.23745	.76616	.32301	.23733	.34933	.28734	.07276
#1	10.484	.51411	.02420	.51147	2.0455	2.6051	2.0244	1.0439	1.0126	1.0287
#2	10.470	.51295	.01935	.50975	2.0234	2.5933	2.0176	1.0491	1.0085	1.0276
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0266**	**2.1070**	**.51294**	**.50215**	**.50224**
Stddev	.0066	.0209	.00109	.00002	.00425
%RSD	.32795	.99021	.21315	.00478	.84661
#1	2.0313	2.0922	.51371	.50217	.49924
#2	2.0219	2.1217	.51217	.50213	.50525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4206.8**	**59237.**	**4446.0**
Stddev	4.5	58.	.4
%RSD	.10630	.09810	.00816
#1	4203.6	59278.	4446.2
#2	4209.9	59196.	4445.7

Sample Name: 280-27123-A-1-G Acquired: 4/2/2012 12:29:19 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00616**	**17.399**	**.24611**	**.00871**	**7.3434**	**.00075**	**-.00952**	**7.4839**	**.03958**	**.13326**
Stddev	.00086	.032	.00287	.00081	.0276	.00001	.00152	.0321	.00006	.00045
%RSD	13.984	.18638	1.1644	9.3523	.37556	1.5098	15.995	.42825	.15273	.33418
#1	.00555	17.376	.24813	.00929	7.3239	.00075	-.00844	7.4612	.03954	.13358
#2	.00677	17.422	.24408	.00814	7.3629	.00074	-.01059	7.5066	.03962	.13295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28881**	**1.6921**	W **1809.5**	**1.1194**	**.01211**	**1.5018**	**8.2068**	**.02973**	**.28658**	**.68922**
Stddev	.00037	.0055	6.5	.0134	.00059	.0056	.0752	.00077	.00023	.00166
%RSD	.12643	.32737	.36120	1.1938	4.8461	.37072	.91578	2.6034	.07858	.24052
#1	.28907	1.6882	1804.9	1.1288	.01170	1.4978	8.1537	.02918	.28642	.69039
#2	.28855	1.6960	1814.2	1.1099	.01253	1.5057	8.2600	.03028	.28674	.68804
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1237**	**6.4559**	**11.150**	**.07178**	F **-.04853**	**4.7183**	**2.1567**	**.13022**	F **-.05664**	**.59948**
Stddev	.0058	.0090	.042	.00127	.00266	.0832	.0041	.00068	.00563	.01095
%RSD	.11297	.13947	.37509	1.7686	5.4909	1.7634	.18938	.52213	9.9397	1.8262
#1	5.1278	6.4622	11.180	.07268	-.04665	4.7771	2.1596	.12974	-.05266	.59174
#2	5.1196	6.4495	11.121	.07089	-.05042	4.6595	2.1538	.13070	-.06063	.60722
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					50.000				50.000	
Low Limit					-.01000				-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00533**	**.53306**	**.08748**	W **13.330**	**.00536**
Stddev	.00026	.00031	.00051	.013	.00470
%RSD	4.9195	.05874	.58024	.09613	87.618
#1	-.00552	.53283	.08784	13.321	.00204
#2	-.00515	.53328	.08712	13.339	.00868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4230.4**	**58635.**	**4534.8**
Stddev	4.2	34.	28.9
%RSD	.10005	.05732	.63635
#1	4227.4	58659.	4555.2
#2	4233.4	58612.	4514.4

Sample Name: sd 280-27123-A-1-G@5 Acquired: 4/2/2012 12:31:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	W **3.5587**	**.04942**	**.00317**	**1.4857**	**.00025**	**-.00044**	**1.5712**	**.00830**	**.02875**
Stddev	.00050	.0281	.00150	.00026	.0014	.00008	.00088	.0013	.00023	.00010
%RSD	128.11	.79026	3.0451	8.1336	.09244	33.389	201.63	.08438	2.8008	.35012
#1	.00004	3.5786	.04836	.00335	1.4866	.00019	-.00106	1.5703	.00847	.02882
#2	.00074	3.5388	.05048	.00298	1.4847	.00031	.00019	1.5721	.00814	.02867
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06111**	**.33741**	**373.94**	**.12423**	**.00359**	**.31373**	**1.7572**	**.00582**	**-.04143**	**.15001**
Stddev	.00057	.00016	.27	.00510	.00190	.00059	.0010	.00004	.01706	.00050
%RSD	.93566	.04734	.07185	4.1077	52.982	.18940	.05789	.73457	41.183	.33544
#1	.06070	.33730	374.13	.12062	.00225	.31331	1.7564	.00579	-.02936	.15036
#2	.06151	.33752	373.75	.12784	.00494	.31415	1.7579	.00585	-.05349	.14965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0759**	**1.4265**	**2.3147**	**.01462**	F **-.01175**	**.95129**	**.46512**	**.02680**	**-.00983**	**.11799**
Stddev	.0015	.0035	.0131	.00242	.00112	.00882	.00156	.00029	.00205	.00212
%RSD	.14269	.24337	.56527	16.545	9.4987	.92707	.33470	1.0714	20.861	1.7986
#1	1.0770	1.4240	2.3239	.01291	-.01096	.94505	.46622	.02660	-.01127	.11949
#2	1.0748	1.4289	2.3054	.01633	-.01254	.95752	.46402	.02700	-.00838	.11649
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.08556**	**.01771**	**2.8820**	**-.00119**
Stddev	.00166	.00721	.00036	.0010	.00292
%RSD	239.58	8.4229	2.0277	.03399	245.36
#1	.00048	.08047	.01745	2.8813	-.00326
#2	-.00186	.09066	.01796	2.8827	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4358.2**	**61247.**	**4505.8**
Stddev	1.3	120.	6.6
%RSD	.02963	.19573	.14755
#1	4359.1	61332.	4501.1
#2	4357.3	61162.	4510.5

Sample Name: 280-27123-A-1-H MS Acquired: 4/2/2012 12:34:19 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06054**	**30.786**	**1.2053**	**.93435**	**8.9851**	**.05110**	**2.0440**	**57.422**	**.17514**	**.62640**
Stddev	.00017	.061	.0022	.00070	.0277	.00006	.0062	.163	.00009	.00016
%RSD	.27876	.19927	.18270	.07441	.30818	.12720	.30316	.28324	.05404	.02549
#1	.06042	30.743	1.2037	.93386	8.9655	.05105	2.0396	57.307	.17520	.62628
#2	.06066	30.829	1.2068	.93484	9.0046	.05115	2.0483	57.537	.17507	.62651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73992**	**2.2184**	W **1825.3**	**56.214**	**1.0672**	**49.814**	W **10.107**	**1.0572**	**54.374**	**1.1250**
Stddev	.00171	.0060	4.8	.234	.0016	.111	.045	.0004	.068	.0021
%RSD	.23061	.27231	.26024	.41709	.14739	.22243	.44560	.03611	.12583	.18787
#1	.73871	2.2227	1821.9	56.048	1.0661	49.892	10.139	1.0575	54.326	1.1235
#2	.74112	2.2141	1828.6	56.380	1.0683	49.736	10.075	1.0569	54.423	1.1265
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00				10.000			
Low Limit			40.000				-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.654**	**6.3476**	**10.182**	**.53523**	**1.9184**	**8.1934**	**6.1624**	**1.1649**	**.79065**	**1.8008**
Stddev	.037	.0016	.015	.00143	.0092	.0489	.0090	.0032	.00318	.0206
%RSD	.25017	.02539	.15004	.26629	.47993	.59724	.14579	.27797	.40282	1.1440
#1	14.628	6.3487	10.171	.53423	1.9249	8.1588	6.1688	1.1626	.79291	1.8154
#2	14.680	6.3464	10.193	.53624	1.9119	8.2280	6.1561	1.1672	.78840	1.7862
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7935**	**2.5733**	**.57751**	W **13.224**	**.35230**
Stddev	.0048	.0280	.00169	.024	.00210
%RSD	.26936	1.0894	.29342	.18399	.59509
#1	1.7969	2.5931	.57871	13.241	.35082
#2	1.7901	2.5534	.57631	13.207	.35379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4093.5**	**56779.**	**4463.3**
Stddev	4.5	161.	6.3
%RSD	.11045	.28390	.14175
#1	4090.3	56665.	4467.8
#2	4096.7	56893.	4458.9

Sample Name: 280-27123-A-1-I MSD Acquired: 4/2/2012 12:36:43 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.77994**	**21.298**	**1.3435**	**.89139**	W **18.963**	**.04978**	**2.0265**	**56.102**	**.14524**	**.68614**
Stddev	.00130	.080	.0048	.00040	.057	.00010	.0079	.173	.00051	.00105
%RSD	.16612	.37785	.35756	.04503	.29881	.19275	.38921	.30924	.35393	.15358
#1	.78085	21.241	1.3402	.89167	18.923	.04985	2.0209	55.980	.14560	.68539
#2	.77902	21.355	1.3469	.89110	19.003	.04971	2.0321	56.225	.14487	.68688
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000				12.000					
Low Limit	-.01000				-.01000					

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99247**	**3.3244**	F **3105.7**	**54.862**	**1.0656**	**47.471**	W **13.238**	**1.0853**	**57.167**	**1.7923**
Stddev	.00140	.0158	10.7	.125	.0034	.086	.023	.0008	.587	.0033
%RSD	.14149	.47564	.34479	.22808	.32205	.18208	.17173	.07169	1.0268	.18560
#1	.99147	3.3356	3098.2	54.774	1.0632	47.532	13.254	1.0848	56.752	1.7899
#2	.99346	3.3132	3113.3	54.951	1.0680	47.410	13.221	1.0859	57.582	1.7946
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			2000.0				10.000			
Low Limit			40.000				-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.875**	W **34.289**	**16.868**	**.57673**	**1.8396**	**9.4444**	W **12.119**	**1.3262**	**.75491**	**1.9650**
Stddev	.020	.048	.021	.00296	.0082	.0538	.020	.0029	.00992	.0006
%RSD	.13314	.13915	.12523	.51398	.44779	.57000	.16167	.22190	1.3143	.03126
#1	14.861	34.256	16.853	.57883	1.8338	9.4825	12.105	1.3241	.76193	1.9645
#2	14.889	34.323	16.883	.57464	1.8454	9.4063	12.133	1.3283	.74790	1.9654
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000					10.000			
Low Limit		-.00300					-.05000			

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7253**	**2.9209**	**.61342**	W **17.936**	**.39884**
Stddev	.0002	.0035	.00233	.004	.00552
%RSD	.01392	.11949	.37916	.02095	1.3832
#1	1.7251	2.9185	.61506	17.938	.40274
#2	1.7255	2.9234	.61177	17.933	.39494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3947.3**	**54959.**	**4367.5**
Stddev	1.2	1.	17.6
%RSD	.02977	.00250	.40288
#1	3948.1	54960.	4380.0
#2	3946.5	54958.	4355.1

Sample Name: pds 280-27123-A-1-G Acquired: 4/2/2012 12:39:12 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06023**	**17.988**	**.44825**	**.10322**	**7.3106**	**.05222**	**-.00454**	**27.883**	**.09323**	**.18206**
Stddev	.00059	.014	.00279	.00029	.0052	.00023	.00565	.076	.00016	.00012
%RSD	.97571	.07509	.62204	.27903	.07116	.43197	124.52	.27128	.17488	.06617
#1	.05981	17.998	.45022	.10342	7.3142	.05238	-.00853	27.936	.09334	.18197
#2	.06065	17.979	.44628	.10302	7.3069	.05206	-.00054	27.829	.09311	.18214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33667**	**1.7093**	W **1775.1**	**22.906**	**.12061**	**20.867**	**8.1790**	**.07944**	**24.383**	**.73205**
Stddev	.00041	.0059	3.5	.021	.00092	.051	.0194	.00024	.421	.00144
%RSD	.12263	.34706	.19660	.09160	.76254	.24385	.23678	.30317	1.7263	.19604
#1	.33637	1.7051	1777.6	22.921	.11996	20.831	8.1927	.07927	24.085	.73307
#2	.33696	1.7135	1772.6	22.891	.12126	20.903	8.1653	.07961	24.681	.73104
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1296**	**6.4510**	**11.186**	**.17437**	**.15693**	**9.7372**	**2.2231**	**.18329**	**.15733**	**.62647**
Stddev	.0146	.0005	.002	.00234	.00393	.0570	.0061	.00004	.00368	.00294
%RSD	.20434	.00803	.01765	1.3424	2.5023	.58499	.27335	.02133	2.3359	.46966
#1	7.1193	6.4514	11.188	.17272	.15971	9.6969	2.2274	.18326	.15474	.62855
#2	7.1399	6.4507	11.185	.17603	.15415	9.7774	2.2188	.18332	.15993	.62439
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18650**	**1.0051**	**.13884**	W **13.372**	**.04973**
Stddev	.00059	.0231	.00007	.007	.00103
%RSD	.31764	2.2972	.04905	.05202	2.0639
#1	.18692	1.0214	.13880	13.367	.04900
#2	.18608	.98874	.13889	13.377	.05045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4153.4**	**57736.**	**4470.7**
Stddev	5.3	148.	7.7
%RSD	.12870	.25562	.17260
#1	4157.2	57840.	4465.2
#2	4149.6	57632.	4476.2

Sample Name: 280-27123-A-2-C Acquired: 4/2/2012 12:41:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00794**	**17.054**	**.15762**	**.00853**	**1.3631**	**.00070**	**.03798**	**12.192**	**.06457**	**.06740**
Stddev	.00017	.020	.00252	.00009	.0008	.00000	.00781	.004	.00024	.00009
%RSD	2.0982	.11652	1.5968	1.0442	.05742	.61569	20.565	.03689	.36746	.13909
#1	.00782	17.069	.15940	.00859	1.3626	.00069	.03246	12.188	.06474	.06747
#2	.00806	17.040	.15584	.00847	1.3637	.00070	.04350	12.195	.06440	.06733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18201**	**1.1768**	W **1279.0**	**1.4067**	**.01125**	**1.9793**	**6.7429**	**.01017**	**.22583**	**.27028**
Stddev	.00052	.0026	.6	.0035	.00014	.0078	.0598	.00039	.00209	.00010
%RSD	.28354	.22123	.04577	.24994	1.2289	.39219	.88658	3.8232	.92689	.03826
#1	.18238	1.1750	1278.6	1.4092	.01116	1.9738	6.7006	.00990	.22435	.27021
#2	.18165	1.1786	1279.4	1.4042	.01135	1.9848	6.7851	.01045	.22731	.27036
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9956**	W **14.213**	**8.9439**	**.17048**	F **-.02379**	**4.4448**	**6.7083**	**.05454**	F **-.03035**	**.33933**
Stddev	.0045	.027	.0320	.00174	.00293	.1836	.0160	.00000	.00441	.00138
%RSD	.09053	.19239	.35828	1.0194	12.324	4.1296	.23877	.00456	14.517	.40771
#1	4.9988	14.233	8.9666	.16926	-.02586	4.5746	6.7196	.05454	-.02724	.33835
#2	4.9924	14.194	8.9212	.17171	-.02172	4.3150	6.6969	.05454	-.03347	.34030
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		10.000			50.000				50.000	
Low Limit		-.00300			-.01000				-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00621**	**.33258**	**.08711**	W **18.662**	**.00125**
Stddev	.00297	.01480	.00015	.028	.00165
%RSD	47.808	4.4503	.16705	.15106	132.21
#1	-.00411	.32212	.08701	18.642	.00008
#2	-.00831	.34305	.08722	18.682	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4241.1**	**59409.**	**4478.3**
Stddev	2.7	276.	9.4
%RSD	.06381	.46466	.20945
#1	4243.0	59604.	4471.6
#2	4239.2	59214.	4484.9

Sample Name: CCVH-1338467 Acquired: 4/2/2012 12:44:10 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**50.305**	**-.00262**	**.00261**	**.00016**	**.00003**	**1.0393**	**.00478**	**-.00174**	**.00186**	**.00060**	**.00276**	**51.236**
Stddev	.00075	.099	.00091	.00007	.00025	.00007	.0037	.00151	.00025	.00017	.00002	.00072	.103
%RSD	209.60	.19620	34.642	2.6652	155.17	233.02	.36082	31.514	14.563	9.3354	3.0579	26.084	.20130
#1	.00089	50.235	-.00326	.00256	.00034	.00008	1.0366	.00584	-.00192	.00173	.00059	.00225	51.163
#2	-.00017	50.375	-.00198	.00266	-.00002	-.00002	1.0419	.00371	-.00156	.00198	.00062	.00326	51.309
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05068**	**.00316**	**-.04032**	**-.00090**	**-.00130**	**255.04**	**.00215**	**.00595**	**.00116**	**5.3335**	**-.00379**	**-.00829**	**-.01343**
Stddev	.00380	.00177	.00328	.00006	.00005	.09	.00003	.00182	.00017	.0147	.00122	.00071	.00900
%RSD	7.4913	55.922	8.1386	6.7686	3.7491	.03538	1.3611	30.567	14.895	.27519	32.317	8.5723	67.054
#1	-.05336	.00442	-.03800	-.00086	-.00133	254.98	.00217	.00724	.00128	5.3231	-.00292	-.00880	-.01979
#2	-.04799	.00191	-.04265	-.00094	-.00127	255.11	.00213	.00467	.00103	5.3438	-.00466	-.00779	-.00706
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**.00044**	**4.9770**	**.00397**	**.00046**	**10.112**	**.00745**	**.00358**	**-.03274**
Stddev	.00147	.00008	.0093	.00017	.00126	.015	.00027	.00069	.00317
%RSD	37.290	18.743	.18647	4.1747	274.95	.15316	3.6180	19.134	9.6878
#1	.00290	.00050	4.9704	.00409	.00135	10.123	.00726	.00310	-.03498
#2	.00497	.00038	4.9836	.00386	-.00043	10.101	.00765	.00407	-.03049
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4282.2**	**59067.**	**4399.5**
Stddev	8.9	52.	.2
%RSD	.20858	.08857	.00510
#1	4288.5	59104.	4399.3
#2	4275.9	59030.	4399.6

Sample Name: CCV-1338469 Acquired: 4/2/2012 12:46:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51792**	F **.55479**	**1.0363**	**.52865**	**.50455**	**.50922**	**.00150**	**5.0889**	**.52295**	**.51008**	**.50292**	**.52930**
Stddev	.00114	.01723	.0032	.00115	.00053	.00060	.00313	.0010	.00035	.00055	.00016	.00030
%RSD	.22074	3.1053	.31396	.21780	.10473	.11841	208.83	.01946	.06639	.10841	.03156	.05706
#1	.51873	.54261	1.0386	.52783	.50418	.50879	-.00071	5.0882	.52319	.51047	.50304	.52952
#2	.51711	.56698	1.0340	.52946	.50493	.50965	.00371	5.0896	.52270	.50969	.50281	.52909
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5644**	**51.417**	**1.0297**	**20.993**	**.50616**	**.50312**	**5.0014**	**.51780**	**1.0562**	**1.0425**	**.00019**	**1.0512**
Stddev	.0061	.051	.0031	.031	.00076	.00104	.0193	.00138	.0038	.0033	.00037	.0025
%RSD	.23858	.09935	.29784	.14751	.15074	.20620	.38599	.26733	.35782	.31941	195.41	.23622
#1	2.5600	51.381	1.0276	20.971	.50562	.50386	4.9878	.51878	1.0535	1.0402	.00046	1.0530
#2	2.5687	51.453	1.0319	21.015	.50670	.50239	5.0151	.51682	1.0589	1.0449	-.00007	1.0495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0691**	**5.0743**	**1.0137**	**.51310**	**-.00602**	**.49702**	**1.0627**	**.02634**	**.49309**	**.51138**	**.50118**
Stddev	.0047	.0215	.0016	.00044	.00060	.00074	.0014	.01386	.00082	.00013	.00073
%RSD	.43879	.42336	.15864	.08610	10.034	.14955	.12732	52.603	.16588	.02511	.14599
#1	1.0658	5.0591	1.0125	.51279	-.00559	.49754	1.0636	.03614	.49367	.51129	.50169
#2	1.0725	5.0895	1.0148	.51342	-.00644	.49649	1.0617	.01654	.49251	.51147	.50066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4335.8**	**60429.**	**4375.4**
Stddev	8.4	229.	1.2
%RSD	.19365	.37878	.02741
#1	4329.8	60590.	4374.5
#2	4341.7	60267.	4376.2

Sample Name: CCB Acquired: 4/2/2012 12:48:53 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**-.00048**	**.00303**	**.00126**	**-.00044**	**.00013**	**-.00536**	**-.00270**	**.00028**	**-.00037**
Stddev	.00054	.00013	.00132	.00039	.00014	.00003	.00192	.00151	.00004	.00013
%RSD	114.98	26.948	43.710	31.427	30.747	23.186	35.734	55.793	15.204	35.217
#1	-.00009	-.00039	.00209	.00154	-.00035	.00011	-.00672	-.00163	.00025	-.00046
#2	-.00085	-.00057	.00396	.00098	-.00054	.00016	-.00401	-.00376	.00031	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00092**	**.00193**	**-.04659**	**.00254**	W **-.01924**	W **-.00047**	**.00060**	**-.08385**	**-.00016**
Stddev	.00001	.00070	.00062	.02637	.00220	.00064	.00006	.00005	.00464	.00059
%RSD	20.090	76.317	32.078	56.603	86.597	3.3359	13.698	7.9422	5.5351	360.28
#1	-.00006	.00141	.00237	-.02794	.00410	-.01969	-.00052	.00057	-.08713	-.00058
#2	-.00004	.00042	.00149	-.06523	.00099	-.01879	-.00042	.00064	-.08057	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit						.01070	.00025			
Low Limit						-.01070	-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00054**	**-.00162**	W **.00359**	**-.00237**	**-.00602**	**.00047**	**.00000**	**-.00653**	**-.00022**
Stddev	.00029	.00143	.00187	.00293	.00067	.01950	.00028	.00012	.00109	.00035
%RSD	18.710	261.69	115.40	81.726	28.380	324.13	60.081	20763.	16.771	154.70
#1	.00134	.00046	-.00294	.00566	-.00190	-.01980	.00067	-.00009	-.00730	-.00047
#2	.00175	-.00155	-.00030	.00152	-.00285	.00777	.00027	.00009	-.00575	.00002
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**-.02393**	**-.00024**	**.00134**	**.00041**
Stddev	.00203	.01756	.00024	.00028	.00370
%RSD	155.97	73.357	99.687	20.726	893.48
#1	-.00274	-.01152	-.00040	.00153	.00303
#2	.00013	-.03635	-.00007	.00114	-.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4298.8**	**60860.**	**4339.6**
Stddev	7.4	12.	9.9
%RSD	.17111	.01983	.22796
#1	4293.6	60869.	4332.6
#2	4304.0	60851.	4346.6

Sample Name: CCVL1341782 Acquired: 4/2/2012 12:51:24 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00981**	**.11257**	W **.01902**	**.10504**	**.00938**	**.00113**	**.11497**	**.20242**	**.00550**	**.01047**	**.01032**
Stddev	.00039	.00026	.00274	.00005	.00014	.00007	.00122	.00579	.00001	.00039	.00002
%RSD	3.9311	.22709	14.391	.04932	1.5239	6.2778	1.0652	2.8618	.13279	3.7422	.21727
#1	.01008	.11275	.02096	.10500	.00927	.00118	.11410	.20652	.00550	.01075	.01030
#2	.00953	.11239	.01709	.10507	.00948	.00108	.11583	.19833	.00551	.01020	.01034
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01735**	**.10331**	**3.0630**	F **.01429**	**.19533**	**.00997**	**.02026**	**.93640**	**.04302**	**3.0881**	W **.01121**
Stddev	.00012	.00257	.0094	.00012	.00103	.00015	.00016	.00051	.00008	.0030	.00136
%RSD	.67243	2.4872	.30520	.84043	.52837	1.5171	.78468	.05430	.18320	.09681	12.126
#1	.01744	.10149	3.0564	.01421	.19460	.00986	.02015	.93676	.04296	3.0860	.01025
#2	.01727	.10513	3.0696	.01438	.19606	.01007	.02037	.93604	.04307	3.0902	.01217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value				.01000							.00900
Range				30.000%							20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00553**	F **.01333**	F **.00777**	**.51282**	**.10327**	**.01052**	F **.00795**	**.00938**	**.01648**	**.05485**	**.00907**
Stddev	.00427	.00056	.00073	.01127	.00062	.00021	.00038	.00041	.00065	.00888	.00032
%RSD	77.076	4.1657	9.3794	2.1978	.60513	1.9542	4.7249	4.3641	3.9610	16.191	3.5630
#1	-.00252	.01372	.00829	.52079	.10371	.01038	.00769	.00909	.01695	.06113	.00930
#2	-.00855	.01294	.00726	.50485	.10283	.01067	.00822	.00967	.01602	.04857	.00884
Check ?	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000	.01500				.01500				
Range		30.000%	-30.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02219**	**.01482**
Stddev	.00018	.00314
%RSD	.82228	21.166
#1	.02232	.01704
#2	.02206	.01260
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4363.7**	**61819.**	**4388.0**
Stddev	6.5	32.	5.1
%RSD	.14894	.05133	.11600
#1	4359.1	61841.	4384.4
#2	4368.3	61796.	4391.6

Sample Name: 280-27123-A-3-C Acquired: 4/2/2012 12:53:53 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00534**	**16.630**	**.19116**	**.00051**	**.30815**	**.00058**	**-.00996**	**4.8053**	**.02856**	**.21649**
Stddev	.00074	.114	.00405	.00036	.00202	.00005	.00474	.0082	.00001	.00032
%RSD	13.812	.68302	2.1187	70.233	.65459	8.6415	47.590	.17145	.03926	.14905
#1	.00586	16.711	.18830	.00077	.30958	.00055	-.00661	4.8111	.02856	.21626
#2	.00481	16.550	.19403	.00026	.30672	.00062	-.01331	4.7995	.02855	.21672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41402**	**2.1482**	W **1927.5**	**1.1831**	**.01112**	**1.7459**	**9.9134**	**.05657**	**.22748**	**.74445**
Stddev	.00003	.0156	5.9	.0411	.00096	.0190	.0503	.00021	.00198	.00026
%RSD	.00651	.72430	.30726	3.4730	8.6009	1.0855	.50732	.36875	.86943	.03447
#1	.41404	2.1372	1931.7	1.1540	.01180	1.7593	9.9490	.05643	.22608	.74463
#2	.41400	2.1592	1923.3	1.2122	.01045	1.7325	9.8779	.05672	.22888	.74427
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9515**	**2.2735**	**10.490**	**.06531**	F **-.05009**	**3.9696**	**4.2846**	**.02395**	F **-.07619**	**.32259**
Stddev	.0109	.0064	.008	.00044	.00632	.0543	.0012	.00010	.01230	.01408
%RSD	.27672	.28344	.07716	.67912	12.613	1.3668	.02845	.39969	16.150	4.3650
#1	3.9592	2.2780	10.496	.06562	-.04562	4.0079	4.2837	.02402	-.08489	.31264
#2	3.9438	2.2689	10.485	.06499	-.05455	3.9312	4.2854	.02389	-.06749	.33255
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					50.000				50.000	
Low Limit					-.01000				-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	W **-.01133**	**.53264**	**.07387**	W **17.927**	**.00169**
Stddev	.00136	.01071	.00036	.092	.00031
%RSD	12.022	2.0100	.49085	.51281	18.082
#1	-.01037	.54021	.07361	17.862	.00191
#2	-.01229	.52507	.07412	17.992	.00147
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	5.0000			10.000	
Low Limit	-.01000			-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4151.4**	**58032.**	**4419.4**
Stddev	1.6	61.	7.9
%RSD	.03855	.10496	.17865
#1	4152.5	57989.	4425.0
#2	4150.2	58075.	4413.8

Sample Name: 280-27123-A-4-C Acquired: 4/2/2012 12:56:21 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00286**	**18.786**	**.06907**	**.00610**	**.13843**	**.00053**	**-.00482**	**1.2768**	**.00568**	**.03494**
Stddev	.00051	.027	.00383	.00001	.00016	.00005	.00287	.0041	.00005	.00037
%RSD	17.823	.14415	5.5460	.11776	.11704	9.1155	59.638	.32192	.90582	1.0472
#1	.00250	18.766	.06636	.00611	.13854	.00056	-.00279	1.2797	.00572	.03520
#2	.00322	18.805	.07178	.00610	.13832	.00049	-.00685	1.2739	.00565	.03468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13079**	**.91315**	**431.59**	**1.8100**	**.01286**	**1.8975**	**1.4755**	**.01040**	**.18285**	**.18525**
Stddev	.00008	.00189	.66	.0398	.00159	.0062	.0020	.00018	.00319	.00015
%RSD	.06436	.20646	.15279	2.1997	12.339	.32430	.13678	1.6953	1.7457	.08214
#1	.13073	.91448	431.13	1.8381	.01398	1.9019	1.4741	.01028	.18059	.18514
#2	.13085	.91181	432.06	1.7818	.01174	1.8932	1.4770	.01053	.18511	.18535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7229**	**1.2026**	**5.3326**	**.01788**	F **-.01136**	**4.4363**	**.75706**	**.01115**	W **-.01375**	**.30499**
Stddev	.0096	.0013	.0341	.00185	.00078	.0727	.00165	.00042	.00143	.00361
%RSD	.35305	.10388	.63968	10.320	6.8696	1.6394	.21755	3.7653	10.377	1.1829
#1	2.7161	1.2035	5.3085	.01919	-.01081	4.4877	.75590	.01085	-.01476	.30754
#2	2.7296	1.2018	5.3567	.01658	-.01191	4.3848	.75823	.01145	-.01274	.30244
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					50.000				45.000	
Low Limit					-.01000				-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00262**	**.09076**	**.06352**	**.77466**	**.00297**
Stddev	.00005	.00668	.00043	.00340	.00056
%RSD	1.7842	7.3632	.68434	.43926	18.831
#1	-.00258	.09549	.06322	.77226	.00336
#2	-.00265	.08604	.06383	.77707	.00257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4395.3**	**61672.**	**4496.6**
Stddev	.7	135.	6.6
%RSD	.01702	.21849	.14569
#1	4394.8	61768.	4501.2
#2	4395.8	61577.	4491.9

Sample Name: 280-27123-A-5-C Acquired: 4/2/2012 12:58:47 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00163**	**20.956**	**.08427**	**.00571**	**2.4432**	**.00098**	**.02364**	**1.9263**	**.00661**	**.02955**
Stddev	.00004	.055	.00155	.00048	.0027	.00001	.00083	.0029	.00001	.00028
%RSD	2.7255	.26268	1.8432	8.4293	.11196	1.0801	3.5085	.15215	.16296	.94003
#1	.00167	20.995	.08317	.00605	2.4451	.00098	.02305	1.9283	.00660	.02975
#2	.00160	20.917	.08536	.00537	2.4412	.00097	.02422	1.9242	.00662	.02936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19323**	**.52644**	W **506.36**	**1.7314**	**.01102**	**1.6037**	**2.1213**	**.01823**	**.24760**	**.14559**
Stddev	.00005	.00055	.56	.0197	.00326	.0015	.0007	.00015	.00265	.00030
%RSD	.02759	.10526	.11117	1.1389	29.541	.09579	.03116	.79575	1.0716	.20605
#1	.19327	.52683	506.76	1.7454	.00872	1.6026	2.1208	.01813	.24572	.14538
#2	.19319	.52604	505.96	1.7175	.01332	1.6048	2.1218	.01833	.24948	.14580
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2569**	W **27.688**	**8.1132**	**.03093**	F **-.01234**	**4.8914**	**.35328**	**.05340**	W **-.01392**	**.30514**
Stddev	.0040	.035	.0213	.00060	.00550	.0383	.00063	.00028	.00340	.01904
%RSD	.12381	.12730	.26266	1.9247	44.572	.78274	.17693	.51550	24.451	6.2387
#1	3.2597	27.713	8.1283	.03051	-.01623	4.8643	.35284	.05321	-.01633	.31860
#2	3.2540	27.663	8.0982	.03135	-.00845	4.9184	.35372	.05359	-.01151	.29168
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		10.000			50.000				45.000	
Low Limit		-.00300			-.01000				-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**.13044**	**.05354**	**.86779**	**.00316**
Stddev	.00071	.00191	.00029	.00344	.00167
%RSD	42.760	1.4628	.53257	.39687	52.818
#1	-.00216	.12909	.05334	.86536	.00434
#2	-.00116	.13178	.05375	.87023	.00198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4371.4**	**61486.**	**4486.5**
Stddev	6.0	130.	3.0
%RSD	.13698	.21099	.06622
#1	4367.1	61578.	4484.4
#2	4375.6	61395.	4488.6

Sample Name: 280-27123-A-6-C Acquired: 4/2/2012 13:01:15 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00162**	**40.273**	**.00879**	**.01449**	**.18410**	**.00110**	**-.00341**	**1.3118**	**.00328**	**.01077**
Stddev	.00004	.057	.00021	.00036	.00011	.00009	.00284	.0013	.00007	.00012
%RSD	2.3150	.14105	2.4189	2.5118	.06037	8.0505	83.242	.09559	2.2410	1.1400
#1	-.00159	40.233	.00864	.01474	.18418	.00103	-.00140	1.3127	.00323	.01085
#2	-.00165	40.314	.00894	.01423	.18402	.00116	-.00542	1.3109	.00333	.01068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04371**	**.04306**	**61.643**	**6.0792**	**.06489**	**8.1071**	**.37281**	**.00037**	**.22121**	**.03725**
Stddev	.00006	.00003	.033	.0523	.00135	.0036	.00004	.00018	.01800	.00002
%RSD	.13003	.07072	.05300	.86092	2.0734	.04405	.01193	49.746	8.1366	.05504
#1	.04367	.04308	61.620	6.0422	.06394	8.1096	.37284	.00024	.20848	.03723
#2	.04375	.04303	61.666	6.1163	.06584	8.1046	.37278	.00049	.23393	.03726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3906**	**1.1811**	**1.0798**	**.00186**	W **-.00769**	**6.2821**	**.02544**	**.01129**	**-.00116**	**.50263**
Stddev	.0088	.0005	.0081	.00076	.00185	.0181	.00098	.00003	.00040	.01238
%RSD	.63287	.04134	.74780	40.821	24.016	.28809	3.8550	.22814	34.202	2.4635
#1	1.3969	1.1807	1.0855	.00240	-.00638	6.2949	.02475	.01131	-.00088	.51138
#2	1.3844	1.1814	1.0740	.00132	-.00899	6.2693	.02613	.01127	-.00143	.49387
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.01442**	**.04401**	**.20405**	**.00621**
Stddev	.00070	.04993	.00054	.00142	.00165
%RSD	231.41	346.35	1.2349	.69620	26.641
#1	.00079	-.04972	.04363	.20305	.00504
#2	-.00019	.02089	.04440	.20506	.00738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4452.2**	**61875.**	**4497.0**
Stddev	.1	332.	23.8
%RSD	.00337	.53576	.52954
#1	4452.1	62110.	4513.8
#2	4452.3	61641.	4480.1

Sample Name: 280-27123-A-7-C Acquired: 4/2/2012 13:03:41 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**23.937**	**.01635**	**.01533**	**.38920**	**.00047**	**-.00562**	**4.8167**	**.02202**	**.00659**
Stddev	.00011	.045	.00170	.00016	.00090	.00001	.00135	.0044	.00011	.00009
%RSD	64.123	.18881	10.400	1.0255	.22997	2.2966	23.948	.09051	.52174	1.3495
#1	-.00025	23.905	.01755	.01521	.38856	.00046	-.00467	4.8198	.02194	.00653
#2	-.00009	23.969	.01515	.01544	.38983	.00048	-.00657	4.8137	.02210	.00665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05380**	**.20604**	**108.91**	**1.8462**	**.01275**	**1.6673**	**2.9938**	**.00249**	**.23089**	**.04338**
Stddev	.00002	.00038	.07	.0055	.00150	.0042	.0021	.00031	.00993	.00016
%RSD	.03883	.18304	.06183	.29594	11.793	.25107	.06892	12.610	4.3004	.36682
#1	.05382	.20577	108.86	1.8501	.01382	1.6703	2.9952	.00227	.23791	.04326
#2	.05379	.20630	108.96	1.8424	.01169	1.6644	2.9923	.00272	.22387	.04349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8819**	**1.0501**	**3.7583**	**.00258**	**-.00364**	**8.2258**	**.29971**	**.04055**	**-.00812**	**.48123**
Stddev	.0033	.0002	.0058	.00095	.00111	.0332	.00221	.00038	.00079	.00185
%RSD	.11430	.02095	.15480	36.860	30.419	.40404	.73624	.92505	9.7083	.38434
#1	2.8842	1.0503	3.7542	.00191	-.00443	8.2493	.29815	.04029	-.00756	.47992
#2	2.8796	1.0500	3.7625	.00326	-.00286	8.2023	.30127	.04082	-.00868	.48254
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00262**	**-.00255**	**.03886**	**5.3051**	**.00787**
Stddev	.00062	.02063	.00072	.0008	.00077
%RSD	23.847	807.64	1.8485	.01466	9.7310
#1	-.00218	.01203	.03936	5.3057	.00842
#2	-.00306	-.01714	.03835	5.3046	.00733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4465.6**	**62951.**	**4561.5**
Stddev	3.3	57.	5.3
%RSD	.07370	.08997	.11606
#1	4463.2	62991.	4557.7
#2	4467.9	62911.	4565.2

Sample Name: 280-27123-A-8-C Acquired: 4/2/2012 13:06:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**50.372**	**.00213**	**.01223**	**.11154**	**.00101**	**-.00310**	**1.9660**	**.00323**	**.01347**
Stddev	.00088	.097	.00021	.00018	.00012	.00003	.00012	.0035	.00012	.00026
%RSD	72.612	.19169	9.6352	1.4690	.10687	3.1434	3.7949	.17876	3.7088	1.9315
#1	-.00059	50.304	.00228	.01235	.11145	.00099	-.00318	1.9635	.00332	.01365
#2	-.00184	50.440	.00199	.01210	.11162	.00104	-.00302	1.9684	.00315	.01328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04275**	**.03613**	**45.857**	**5.2718**	**.09534**	**12.094**	**.81429**	**.00015**	**.23116**	**.04408**
Stddev	.00002	.00019	.124	.0086	.00130	.009	.00071	.00014	.00452	.00057
%RSD	.05715	.52094	.26984	.16330	1.3684	.07272	.08758	92.280	1.9558	1.3037
#1	.04273	.03626	45.770	5.2657	.09627	12.101	.81479	.00024	.22796	.04368
#2	.04277	.03600	45.945	5.2779	.09442	12.088	.81378	.00005	.23435	.04449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0668**	**.08708**	**.55759**	**-.00106**	**-.00099**	**3.2962**	**.01128**	**.01193**	**.00010**	**.56140**
Stddev	.0006	.00095	.00193	.00144	.00572	.0493	.00003	.00001	.00215	.00089
%RSD	.05519	1.0941	.34588	135.38	575.54	1.4969	.24240	.07090	2140.9	.15871
#1	1.0672	.08641	.55895	-.00005	-.00504	3.3311	.01126	.01193	-.00142	.56203
#2	1.0664	.08776	.55622	-.00208	.00305	3.2614	.01130	.01194	.00162	.56077
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**-.01798**	**.06177**	**.94976**	**.00547**
Stddev	.00173	.02048	.00044	.00128	.00165
%RSD	161.01	113.94	.71164	.13437	30.214
#1	.00015	-.00349	.06208	.95066	.00430
#2	-.00229	-.03246	.06146	.94886	.00664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4475.6**	**61531.**	**4516.4**
Stddev	3.1	13.	5.0
%RSD	.06889	.02098	.11059
#1	4473.4	61522.	4512.9
#2	4477.8	61540.	4520.0

Sample Name: 280-27123-A-9-C Acquired: 4/2/2012 13:08:29 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**23.156**	**.04948**	**.01707**	**1.2630**	**.00088**	**-.00225**	**2.6475**	**.00861**	**.03558**
Stddev	.00026	.010	.00740	.00046	.0004	.00011	.00080	.0019	.00011	.00004
%RSD	214.41	.04486	14.957	2.7082	.02971	12.657	35.621	.07086	1.2199	.12249
#1	-.00006	23.163	.04425	.01740	1.2628	.00095	-.00282	2.6488	.00854	.03561
#2	.00030	23.149	.05471	.01675	1.2633	.00080	-.00168	2.6462	.00869	.03555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13024**	**1.6890**	**480.40**	**1.5318**	**.01021**	**1.2633**	**1.7609**	**.01358**	**.26397**	**.15245**
Stddev	.00025	.0010	.54	.0300	.00192	.0006	.0020	.00017	.00555	.00013
%RSD	.19076	.06020	.11156	1.9590	18.801	.04941	.11153	1.2162	2.1034	.08236
#1	.13006	1.6898	480.78	1.5530	.01157	1.2628	1.7623	.01370	.26789	.15254
#2	.13041	1.6883	480.02	1.5106	.00886	1.2637	1.7595	.01347	.26004	.15236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8499**	**4.7523**	**5.7927**	**.02115**	F **-.01107**	**4.6749**	**.36720**	**.02804**	W **-.01658**	**.30466**
Stddev	.0061	.0034	.0144	.00369	.00198	.0613	.00023	.00034	.00203	.00123
%RSD	.21251	.07254	.24879	17.433	17.865	1.3112	.06368	1.2145	12.228	.40479
#1	2.8542	4.7547	5.7825	.02375	-.01247	4.7183	.36737	.02828	-.01515	.30554
#2	2.8456	4.7498	5.8028	.01854	-.00967	4.6316	.36704	.02780	-.01802	.30379
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					50.000				45.000	
Low Limit					-.01000				-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00318**	**.10388**	**.04418**	**2.3624**	**.00146**
Stddev	.00189	.02079	.00005	.0008	.00272
%RSD	59.497	20.015	.11442	.03512	185.78
#1	-.00452	.08918	.04422	2.3618	.00339
#2	-.00184	.11858	.04415	2.3630	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4379.5**	**61622.**	**4487.4**
Stddev	10.8	35.	9.3
%RSD	.24668	.05710	.20754
#1	4387.2	61597.	4480.9
#2	4371.9	61646.	4494.0

Sample Name: 280-27123-A-10-C Acquired: 4/2/2012 13:10:57 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00179**	**40.692**	**.00431**	**.01383**	**.14548**	**.00084**	**-.00312**	**1.1893**	**.00253**	**.00501**
Stddev	.00023	.039	.00183	.00104	.00037	.00004	.00136	.0060	.00013	.00010
%RSD	12.710	.09498	42.443	7.5201	.25178	4.4703	43.540	.50168	5.3146	1.9487
#1	-.00195	40.719	.00302	.01457	.14573	.00087	-.00408	1.1935	.00262	.00494
#2	-.00163	40.664	.00561	.01310	.14522	.00081	-.00216	1.1850	.00243	.00508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03912**	**.05587**	**16.413**	**5.7647**	**.04769**	**4.6639**	**.11690**	**.00039**	**.21620**	**.02357**
Stddev	.00015	.00044	.030	.0095	.00177	.0031	.00018	.00005	.00561	.00031
%RSD	.39208	.79164	.18149	.16398	3.7014	.06726	.15176	11.826	2.5927	1.3071
#1	.03922	.05556	16.434	5.7714	.04894	4.6617	.11677	.00042	.22016	.02378
#2	.03901	.05618	16.392	5.7580	.04645	4.6662	.11702	.00036	.21224	.02335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1422**	**.11442**	**1.5671**	**.00102**	**-.00212**	**3.6115**	**.01066**	**.01012**	**.00143**	**.51288**
Stddev	.0026	.00040	.0027	.00088	.00121	.0354	.00008	.00001	.00388	.00383
%RSD	.23108	.34656	.17344	86.160	56.879	.98087	.74191	.14311	271.26	.74762
#1	1.1403	.11414	1.5651	.00165	-.00127	3.6365	.01060	.01013	-.00131	.51559
#2	1.1440	.11470	1.5690	.00040	-.00297	3.5864	.01071	.01011	.00418	.51017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00261**	**-.03137**	**.03923**	**.41131**	**.00485**
Stddev	.00149	.04299	.00002	.00201	.00053
%RSD	57.140	137.04	.05894	.48932	10.983
#1	-.00367	-.00097	.03922	.40989	.00447
#2	-.00156	-.06177	.03925	.41273	.00523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4478.8**	**62186.**	**4489.6**
Stddev	2.7	214.	17.0
%RSD	.05987	.34469	.37818
#1	4480.7	62034.	4477.6
#2	4476.9	62337.	4501.7

Sample Name: CCVH-1338467 Acquired: 4/2/2012 13:13:24 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**50.671**	**-.00734**	**-.00006**	**-.00005**	**.00008**	**1.0368**	**.00955**	**-.00156**	**.00189**	**.00064**	**.00399**	**51.441**
Stddev	.00014	.211	.00344	.00011	.00004	.00007	.0070	.00548	.00012	.00009	.00013	.00018	.083
%RSD	28.094	.41700	46.850	185.55	82.418	85.715	.67786	57.424	7.8678	4.6160	20.502	4.5670	.16142
#1	.00039	50.820	-.00491	-.00014	-.00008	.00003	1.0418	.00567	-.00164	.00183	.00073	.00412	51.499
#2	.00059	50.521	-.00977	.00002	-.00002	.00012	1.0319	.01342	-.00147	.00195	.00055	.00386	51.382
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07761**	**.00278**	**-.04104**	**-.00105**	**-.00137**	**257.96**	**.00226**	**.00467**	**.00145**	**5.3617**	**-.00686**	**-.01312**	**.00988**
Stddev	.02835	.00051	.00007	.00003	.00018	.97	.00015	.00086	.00130	.0018	.00059	.00212	.01609
%RSD	36.534	18.229	.18186	3.3099	12.927	.37617	6.4420	18.385	89.396	.03378	8.5373	16.131	162.81
#1	-.05756	.00314	-.04098	-.00107	-.00150	258.65	.00236	.00528	.00237	5.3630	-.00727	-.01461	-.00149
#2	-.09766	.00243	-.04109	-.00103	-.00125	257.28	.00216	.00406	.00053	5.3605	-.00644	-.01162	.02126
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.00043**	**4.9876**	**.00359**	**.00280**	**10.208**	**.00726**	**.00319**	**-.03187**
Stddev	.00063	.00010	.0010	.00021	.00123	.039	.00036	.00008	.00269
%RSD	22.032	22.567	.02106	5.7794	44.013	.38337	5.0111	2.4899	8.4334
#1	.00240	.00049	4.9868	.00345	.00367	10.236	.00700	.00313	-.03377
#2	.00328	.00036	4.9883	.00374	.00193	10.181	.00751	.00324	-.02997
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4274.6**	**58939.**	**4348.3**
Stddev	1.9	26.	2.7
%RSD	.04367	.04421	.06135
#1	4276.0	58958.	4350.1
#2	4273.3	58921.	4346.4

Sample Name: CCV-1338469 Acquired: 4/2/2012 13:15:49 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51760**	**.54981**	**1.0403**	**.52818**	**.50306**	**.50624**	**-.00082**	**5.0801**	**.52320**	**.50953**	**.50357**	**.52998**	**2.5442**
Stddev	.00105	.00317	.0040	.00146	.00035	.00017	.00063	.0024	.00018	.00056	.00007	.00020	.0015
%RSD	.20340	.57643	.38431	.27557	.06998	.03320	76.942	.04820	.03450	.11006	.01482	.03758	.06009
#1	.51685	.54757	1.0431	.52715	.50281	.50613	-.00037	5.0783	.52333	.50993	.50352	.52984	2.5431
#2	.51834	.55206	1.0375	.52921	.50331	.50636	-.00126	5.0818	.52307	.50913	.50362	.53012	2.5453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.478**	**1.0278**	**21.014**	**.50718**	**.50353**	**4.9756**	**.51752**	**1.0542**	**1.0399**	**-.00560**	**1.0545**	**1.0769**	**5.0644**
Stddev	.092	.0012	.028	.00024	.00115	.0012	.00037	.0004	.0003	.00296	.0039	.0020	.0081
%RSD	.17853	.11201	.13514	.04756	.22921	.02347	.07055	.03987	.03167	52.920	.37167	.18617	.15974
#1	51.543	1.0287	20.994	.50701	.50434	4.9765	.51726	1.0539	1.0402	-.00769	1.0573	1.0783	5.0701
#2	51.413	1.0270	21.034	.50735	.50271	4.9748	.51778	1.0545	1.0397	-.00350	1.0517	1.0755	5.0587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0084**	**.51237**	**-.00538**	**.49799**	**1.0616**	**-.00869**	**.49565**	**.51024**	**.50141**
Stddev	.0042	.00009	.00019	.00050	.0012	.00968	.00077	.00040	.00220
%RSD	.41397	.01686	3.4647	.09941	.10845	111.40	.15509	.07824	.43907
#1	1.0054	.51243	-.00525	.49764	1.0624	-.01553	.49620	.51052	.50297
#2	1.0113	.51230	-.00551	.49834	1.0608	-.00184	.49511	.50996	.49986
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4347.8**	**60539.**	**4394.6**
Stddev	5.6	23.	1.0
%RSD	.12881	.03740	.02163
#1	4351.8	60555.	4395.2
#2	4343.9	60523.	4393.9

Sample Name: CCB Acquired: 4/2/2012 13:18:07 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**-.00045**	**.00076**	**.00011**	**-.00035**	**.00007**	**-.00621**	**.00187**	**.00020**	**-.00028**
Stddev	.00032	.00131	.00044	.00015	.00047	.00004	.00207	.00219	.00000	.00032
%RSD	45.300	291.32	57.893	135.22	133.66	59.647	33.281	117.32	.59114	113.12
#1	-.00095	.00048	.00045	.00021	-.00068	.00010	-.00475	.00032	.00020	-.00051
#2	-.00049	-.00138	.00107	.00000	-.00002	.00004	-.00767	.00342	.00020	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	W **.00173**	**-.00073**	**-.03456**	**.00195**	W **-.02093**	F **-.00057**	**.00075**	F **-.11002**	**-.00043**
Stddev	.00003	.00025	.00132	.00755	.00075	.00212	.00003	.00002	.01875	.00034
%RSD	50.238	14.511	180.92	21.842	38.712	10.111	5.7676	2.0783	17.045	79.867
#1	-.00009	.00190	.00020	-.03989	.00248	-.01943	-.00060	.00074	-.12328	-.00019
#2	-.00004	.00155	-.00166	-.02922	.00141	-.02242	-.00055	.00076	-.09676	-.00068
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00051		.10000	
Low Limit		-.00136				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00221**	**-.00041**	**-.00335**	W **.00567**	**-.00295**	**-.00199**	**.00053**	**.00006**	**-.00542**	W **-.00064**
Stddev	.00057	.00078	.00440	.00147	.00168	.00298	.00006	.00007	.00008	.00034
%RSD	25.651	188.76	131.25	25.980	56.980	149.78	11.419	114.77	1.4771	53.329
#1	-.00181	-.00096	-.00647	.00671	-.00413	-.00410	.00048	.00001	-.00547	-.00088
#2	-.00261	.00014	-.00024	.00463	-.00176	.00012	.00057	.00011	-.00536	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00314						.00060
Low Limit				-.00314						-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**-.03890**	**-.00026**	**.00143**	**-.00140**
Stddev	.00191	.00109	.00016	.00057	.00040
%RSD	383.46	2.7941	60.585	39.575	28.399
#1	-.00185	-.03813	-.00015	.00183	-.00168
#2	.00085	-.03967	-.00037	.00103	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4296.7**	**61198.**	**4313.8**
Stddev	1.0	136.	5.5
%RSD	.02289	.22268	.12741
#1	4297.4	61102.	4317.7
#2	4296.0	61294.	4310.0

Sample Name: CCVL1341782 Acquired: 4/2/2012 13:20:38 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00925**	**.11234**	**.01760**	**.10341**	**.00954**	**.00108**	**.11338**	**.20600**	**.00545**	**.01026**	**.01032**
Stddev	.00068	.00062	.00443	.00018	.00051	.00005	.00043	.00289	.00010	.00013	.00008
%RSD	7.3301	.55050	25.176	.17832	5.3449	4.4900	.37577	1.4009	1.7590	1.2503	.79164
#1	.00877	.11190	.01447	.10328	.00918	.00105	.11308	.20396	.00552	.01035	.01026
#2	.00973	.11277	.02074	.10355	.00990	.00111	.11368	.20804	.00538	.01017	.01038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01753**	**.10262**	**3.0499**	W **.01268**	**.19502**	**.00997**	**.01987**	**.93596**	**.04259**	**3.0824**	**.01030**
Stddev	.00037	.00049	.0022	.00004	.00221	.00003	.00006	.00067	.00009	.0045	.00014
%RSD	2.0832	.47535	.07236	.35005	1.1346	.27983	.32261	.07128	.20498	.14444	1.3144
#1	.01779	.10296	3.0515	.01265	.19346	.00995	.01991	.93549	.04253	3.0792	.01039
#2	.01727	.10227	3.0483	.01271	.19659	.00999	.01982	.93643	.04265	3.0855	.01020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00280**	**.01159**	F **.01028**	**.50796**	**.10326**	**.01051**	F **.00785**	**.00945**	**.01527**	F **.03855**	**.00962**
Stddev	.00241	.00327	.00303	.00245	.00056	.00014	.00206	.00016	.00150	.00623	.00009
%RSD	86.173	28.189	29.431	.48169	.53917	1.3093	26.215	1.6819	9.8543	16.158	.92269
#1	-.00109	.00928	.01242	.50623	.10366	.01042	.00930	.00956	.01420	.04295	.00968
#2	-.00450	.01390	.00814	.50969	.10287	.01061	.00639	.00934	.01633	.03414	.00956
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			.01500				.01500			.06000	
Range			-30.000%				-30.000%			-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02294**	**.01625**
Stddev	.00063	.00266
%RSD	2.7325	16.393
#1	.02250	.01813
#2	.02339	.01437
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4392.2**	**62088.**	**4401.7**
Stddev	1.1	8.	5.9
%RSD	.02446	.01257	.13470
#1	4391.4	62082.	4397.6
#2	4392.9	62093.	4405.9

Sample Name: MB 280-113647/1-A Acquired: 4/2/2012 13:23:08 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**.00226**	**-.00138**	**-.00031**	**.00008**	**.00018**	W **-.00552**	**.04222**	**.00053**	**-.00013**
Stddev	.00057	.00042	.00335	.00033	.00007	.00009	.00152	.00052	.00005	.00028
%RSD	79.258	18.401	243.60	106.78	90.807	51.326	27.483	1.2357	10.107	209.05
#1	-.00032	.00197	.00099	-.00008	.00003	.00024	-.00445	.04185	.00049	.00006
#2	-.00113	.00255	-.00375	-.00054	.00013	.00011	-.00659	.04259	.00057	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00500			
Low Limit							-.00500			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00275**	**.01903**	**-.10832**	**.00374**	**-.01671**	**-.00034**	**-.00006**	**.09806**	**-.00047**
Stddev	.00021	.00016	.00078	.00836	.00012	.00058	.00003	.00015	.00234	.00014
%RSD	1190.3	5.6682	4.1242	7.7176	3.1220	3.4430	8.8317	259.56	2.3867	29.891
#1	-.00013	.00264	.01847	-.11423	.00365	-.01630	-.00032	.00005	.09640	-.00057
#2	.00017	.00286	.01958	-.10241	.00382	-.01712	-.00036	-.00017	.09971	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00530**	**-.00039**	**.02047**	**.00089**	**-.00395**	**.01374**	**.00786**	**.00024**	W **-.00580**	**-.00024**
Stddev	.00261	.00011	.00055	.00033	.00123	.00274	.00084	.00002	.00162	.00025
%RSD	49.270	26.786	2.6963	36.951	31.054	19.911	10.662	6.8702	27.871	102.87
#1	.00715	-.00032	.02008	.00112	-.00308	.01567	.00845	.00025	-.00694	-.00041
#2	.00346	-.00047	.02086	.00066	-.00482	.01180	.00727	.00023	-.00466	-.00006
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500								.00500	
Low Limit	-.00500								-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00300**	**-.01196**	**-.00081**	**.00273**	**-.00079**
Stddev	.00091	.04965	.00052	.00065	.00185
%RSD	30.204	415.17	64.870	23.874	234.52
#1	-.00236	.02315	-.00118	.00319	-.00209
#2	-.00364	-.04706	-.00044	.00227	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4380.8**	**62807.**	**4435.4**
Stddev	7.3	84.	9.0
%RSD	.16723	.13419	.20351
#1	4375.6	62867.	4429.1
#2	4386.0	62747.	4441.8

Sample Name: LCS 280-113647/2-A Acquired: 4/2/2012 13:25:39 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05283**	**2.1308**	**1.0523**	**1.0356**	**2.0586**	**.05217**	**2.1512**	**51.396**	**.10882**	**.50971**
Stddev	.00039	.0174	.0023	.0004	.0007	.00002	.0057	.055	.00019	.00065
%RSD	.74095	.81723	.21583	.03610	.03561	.04765	.26599	.10607	.17446	.12753
#1	.05310	2.1185	1.0539	1.0358	2.0581	.05215	2.1553	51.434	.10896	.51017
#2	.05255	2.1431	1.0507	1.0353	2.0591	.05219	2.1472	51.357	.10869	.50925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20646**	F **.27548**	**1.0411**	**53.133**	**1.0551**	**52.015**	**.52254**	**1.0362**	**52.985**	**.52416**
Stddev	.00004	.00086	.0034	.019	.0021	.009	.00028	.0003	.404	.00022
%RSD	.01707	.31067	.32897	.03486	.19953	.01764	.05441	.02397	.76302	.04165
#1	.20643	.27609	1.0435	53.120	1.0536	52.008	.52234	1.0364	53.271	.52432
#2	.20648	.27488	1.0386	53.146	1.0566	52.021	.52274	1.0360	52.700	.52401
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.27500								
Low Limit		.22000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.932**	**.52191**	**.01483**	**.52926**	**2.1260**	**1.6396**	**2.0168**	**1.0560**	**1.0166**	**1.0309**
Stddev	.003	.00117	.00277	.00237	.0086	.0094	.0001	.0012	.0001	.0004
%RSD	.02744	.22353	18.645	.44802	.40297	.57553	.00434	.10904	.01351	.03797
#1	10.930	.52273	.01679	.53093	2.1321	1.6463	2.0167	1.0552	1.0166	1.0306
#2	10.934	.52108	.01288	.52758	2.1200	1.6330	2.0168	1.0568	1.0167	1.0312
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0777**	**2.1249**	**.51609**	**.50939**	**.50069**
Stddev	.0033	.0412	.00005	.00307	.00260
%RSD	.15850	1.9390	.00952	.60213	.51886
#1	2.0801	2.0958	.51606	.50722	.49885
#2	2.0754	2.1540	.51613	.51156	.50253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4174.1**	**58801.**	**4345.8**
Stddev	4.4	20.	4.8
%RSD	.10567	.03417	.11090
#1	4170.9	58816.	4349.2
#2	4177.2	58787.	4342.4

Sample Name: 280-27092-A-1-C Acquired: 4/2/2012 13:27:55 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**145.83**	**.07710**	**.02813**	**2.3154**	**.00680**	**-.00191**	**48.152**	**.00343**	**.07011**
Stddev	.00009	.01	.00244	.00013	.0001	.00005	.00049	.000	.00005	.00005
%RSD	6.5879	.00649	3.1709	.46724	.00331	.78952	25.689	.00055	1.3548	.06911
#1	-.00133	145.82	.07537	.02823	2.3154	.00676	-.00226	48.152	.00340	.07014
#2	-.00146	145.83	.07883	.02804	2.3155	.00684	-.00156	48.152	.00347	.07007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10956**	**.17152**	**177.10**	**31.380**	**.09145**	**31.916**	**6.6141**	**.01869**	**7.1849**	**.09646**
Stddev	.00000	.00001	.10	.062	.00302	.016	.0642	.00000	.0023	.00021
%RSD	.00015	.00503	.05421	.19909	3.3049	.04903	.97089	.01908	.03141	.21456
#1	.10956	.17151	177.03	31.336	.08931	31.905	6.6595	.01869	7.1865	.09661
#2	.10956	.17152	177.16	31.424	.09358	31.927	6.5687	.01870	7.1833	.09632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0223**	**.21729**	**.82527**	**-.00135**	W **-.00761**	**1.9251**	**.01076**	**1.9066**	**.08097**	**2.2295**
Stddev	.0008	.00187	.00762	.00298	.00575	.0182	.00111	.0000	.00065	.0025
%RSD	.01310	.85937	.92385	221.81	75.513	.94606	10.345	.00019	.80524	.11207
#1	6.0217	.21597	.83066	-.00346	-.01168	1.9123	.00998	1.9066	.08051	2.2278
#2	6.0229	.21862	.81988	.00076	-.00355	1.9380	.01155	1.9066	.08143	2.2313
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	F **-.10674**	**.33096**	**.63964**	**.14304**
Stddev	.00203	.04374	.00006	.00200	.00014
%RSD	162.72	40.982	.01690	.31205	.10040
#1	-.00019	-.13767	.33092	.63823	.14315
#2	.00268	-.07581	.33100	.64106	.14294
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4864.5**	**66296.**	**5013.0**
Stddev	4.9	24.	5.7
%RSD	.10015	.03668	.11423
#1	4861.1	66313.	5017.0
#2	4867.9	66278.	5008.9

Sample Name: sd 280-27092-A-1-C@5 Acquired: 4/2/2012 13:30:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00126**	**33.402**	k **.01737**	**.00620**	**.52754**	k **.00146**	k **-.00319**	**11.044**	k **.00092**	k **.01756**
Stddev	.00050	.022	.00377	.00175	.00055	.00002	.00107	.006	.00006	.00034
%RSD	39.387	.06663	21.727	28.158	.10388	1.3415	33.592	.05844	6.5183	1.9539
#1	k -.00161	33.387	k .02004	.00743	.52792	k .00144	k -.00395	11.040	k .00088	k .01781
#2	k -.00091	33.418	k .01470	.00496	.52715	k .00147	k -.00243	11.049	k .00096	k .01732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.02578**	k **.03978**	k **40.970**	**7.0243**	**.02279**	**7.4849**	**1.5511**	**.00405**	**1.5453**	**.02312**
Stddev	.00006	.00032	.016	.0468	.00041	.0050	.0019	.00017	.0085	.00033
%RSD	.22151	.79523	.03860	.66594	1.7972	.06673	.12375	4.2344	.55178	1.4350
#1	k .02574	k .04000	k 40.959	7.0573	.02250	7.4884	1.5524	.00418	1.5393	.02335
#2	k .02582	k .03955	k 40.981	6.9912	.02308	7.4813	1.5497	.00393	1.5514	.02289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3911**	k **.05205**	**.18440**	k **.00157**	kW **-.00685**	**.44821**	k **.00117**	**.43457**	k **.04279**	k **.49791**
Stddev	.0071	.00089	.00866	.00243	.00536	.01317	.00007	.00035	.00012	.00005
%RSD	.50998	1.7066	4.6943	154.89	78.185	2.9394	6.2948	.08074	.27417	.00946
#1	1.3961	k .05268	.17828	k .00329	k -.01064	.43889	k .00122	.43432	k .04288	k .49787
#2	1.3861	k .05142	.19052	k -.00015	k -.00306	.45752	k .00112	.43482	k .04271	k .49794
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00431**	kW **-.05291**	k **.07508**	k **.14813**	k **.03242**
Stddev	.00047	.00833	.00010	.00031	.00025
%RSD	10.837	15.737	.13308	.20960	.78313
#1	k -.00464	k -.05879	k .07501	k .14791	k .03260
#2	k -.00398	k -.04702	k .07515	k .14835	k .03224
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4527.8**	**62864.**	**4570.1**
Stddev	3.1	224.	5.1
%RSD	.06920	.35606	.11122
#1	4525.6	62705.	4573.7
#2	4530.0	63022.	4566.5

Sample Name: 280-27092-A-1-D MS Acquired: 4/2/2012 13:32:50 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04505**	**221.60**	**1.0502**	**.89505**	**3.9896**	**.05158**	**1.8078**	**87.697**	**.09435**	**.48784**
Stddev	.00010	.17	.0001	.00008	.0019	.00000	.0023	.049	.00010	.00015
%RSD	.21939	.07547	.00714	.00863	.04755	.00746	.12745	.05641	.10185	.03124
#1	.04512	221.72	1.0502	.89511	3.9909	.05157	1.8062	87.732	.09428	.48773
#2	.04498	221.48	1.0503	.89500	3.9882	.05158	1.8094	87.662	.09442	.48794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31220**	**.41265**	**194.88**	**86.470**	**1.0272**	**81.326**	**5.4890**	**.82670**	**52.832**	**.52806**
Stddev	.00026	.00161	.18	.027	.0003	.054	.0091	.00039	.315	.00030
%RSD	.08178	.39113	.09063	.03135	.02924	.06678	.16538	.04723	.59535	.05660
#1	.31238	.41151	194.76	86.451	1.0269	81.287	5.4826	.82643	53.055	.52827
#2	.31202	.41379	195.00	86.490	1.0274	81.364	5.4954	.82698	52.610	.52785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.469**	**.59406**	**.77710**	**.17673**	**1.7563**	**5.9822**	**1.5987**	**2.7613**	**.95510**	**6.2908**
Stddev	.012	.00101	.00399	.00386	.0004	.0530	.0007	.0008	.00498	.0117
%RSD	.08348	.17075	.51313	2.1824	.02122	.88612	.04209	.02823	.52105	.18626
#1	14.461	.59478	.77991	.17946	1.7560	5.9447	1.5991	2.7619	.95158	6.2825
#2	14.478	.59334	.77428	.17400	1.7565	6.0197	1.5982	2.7608	.95862	6.2991
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6336**	**1.7404**	**.87472**	**1.0766**	**.65431**
Stddev	.0018	.0036	.00193	.0004	.00107
%RSD	.11276	.20542	.22114	.04096	.16312
#1	1.6349	1.7430	.87335	1.0763	.65506
#2	1.6323	1.7379	.87609	1.0769	.65355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4757.8**	**64510.**	**5007.0**
Stddev	5.9	191.	16.7
%RSD	.12300	.29651	.33277
#1	4753.6	64375.	4995.2
#2	4761.9	64646.	5018.8

Sample Name: 280-27092-A-1-E MSD Acquired: 4/2/2012 13:35:46 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04600**	**203.50**	**1.0376**	**.90473**	**5.5576**	**.05128**	**1.8205**	**88.041**	**.09533**	**.49088**
Stddev	.00085	.57	.0036	.00221	.0168	.00012	.0039	.277	.00022	.00072
%RSD	1.8371	.28241	.34604	.24440	.30146	.22790	.21619	.31454	.23125	.14579
#1	.04540	203.10	1.0350	.90630	5.5458	.05120	1.8233	87.845	.09548	.49139
#2	.04660	203.91	1.0401	.90317	5.5695	.05137	1.8177	88.236	.09517	.49038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30573**	**.41930**	**180.90**	**83.236**	**1.0218**	**78.723**	W **10.170**	**.84404**	**52.768**	**.52536**
Stddev	.00021	.00174	.43	.211	.0032	.222	.051	.00077	.194	.00003
%RSD	.06920	.41478	.23611	.25327	.31852	.28216	.50173	.09077	.36817	.00518
#1	.30558	.41807	180.60	83.087	1.0195	78.566	10.206	.84458	52.905	.52538
#2	.30588	.42053	181.20	83.385	1.0241	78.880	10.134	.84349	52.630	.52534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.576**	**.71270**	**.87185**	**.18855**	**1.7709**	**5.8496**	**1.6183**	**2.6107**	**.96237**	**6.1298**
Stddev	.012	.00192	.00205	.00073	.0006	.0327	.0014	.0077	.00262	.0160
%RSD	.08511	.26900	.23521	.38894	.03552	.55839	.08357	.29465	.27202	.26088
#1	14.584	.71406	.87330	.18907	1.7713	5.8727	1.6192	2.6052	.96052	6.1185
#2	14.567	.71135	.87040	.18803	1.7704	5.8265	1.6173	2.6161	.96422	6.1411
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6490**	**1.7138**	**.85020**	**1.0848**	**.63321**
Stddev	.0018	.0054	.00352	.0019	.00490
%RSD	.11165	.31493	.41366	.17239	.77384
#1	1.6503	1.7177	.84771	1.0835	.62974
#2	1.6477	1.7100	.85269	1.0861	.63667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4761.7**	**64688.**	**5004.8**
Stddev	12.3	56.	17.9
%RSD	.25796	.08714	.35745
#1	4753.0	64728.	5017.4
#2	4770.4	64648.	4992.1

Sample Name: CCVH-1338467 Acquired: 4/2/2012 13:38:43 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**50.141**	**-.00385**	**.00334**	**.00067**	**.00014**	**1.0204**	**.01323**	**-.00182**	**.00190**	**.00072**	**.00369**	**51.285**
Stddev	.00007	.158	.00139	.00031	.00013	.00005	.0038	.00415	.00021	.00008	.00012	.00031	.295
%RSD	61.513	.31451	36.178	9.2747	19.944	35.516	.37459	31.359	11.695	4.3552	16.877	8.4770	.57556
#1	.00016	50.030	-.00483	.00356	.00076	.00017	1.0177	.01616	-.00167	.00184	.00063	.00347	51.076
#2	.00006	50.253	-.00286	.00312	.00057	.00010	1.0231	.01029	-.00197	.00196	.00080	.00392	51.494
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03214**	**.00301**	**-.03945**	**-.00058**	**-.00090**	**254.83**	**.00224**	**.00563**	**.00081**	**5.3028**	**-.00572**	**-.00767**	**.00281**
Stddev	.03681	.00111	.00389	.00012	.00046	.10	.00037	.00239	.00017	.0147	.00268	.00283	.00161
%RSD	114.54	36.914	9.8638	19.785	51.117	.04101	16.749	42.473	21.130	.27817	46.915	36.977	57.357
#1	.05817	.00223	-.03670	-.00050	-.00122	254.76	.00250	.00733	.00093	5.3132	-.00382	-.00967	.00395
#2	.00611	.00380	-.04220	-.00066	-.00057	254.91	.00197	.00394	.00069	5.2924	-.00761	-.00566	.00167
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.00060**	**4.9497**	**.00375**	**.00317**	**10.066**	**.00725**	**.00202**	**-.03139**
Stddev	.00028	.00004	.0143	.00011	.00035	.052	.00093	.00027	.00354
%RSD	7.8973	7.1369	.28889	2.8243	10.933	.51182	12.813	13.529	11.290
#1	.00368	.00063	4.9396	.00368	.00293	10.030	.00790	.00182	-.02889
#2	.00329	.00057	4.9598	.00383	.00342	10.103	.00659	.00221	-.03390
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4180.6**	**58229.**	**4297.2**
Stddev	4.6	257.	26.9
%RSD	.11012	.44169	.62484
#1	4183.8	58411.	4316.1
#2	4177.3	58047.	4278.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 13:41:10 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51678**	F **.66596**	**1.0420**	**.52807**	**.50378**	**.50752**	**.00096**	**5.1148**	**.52084**	**.50810**	**.50196**	**.52824**
Stddev	.00101	.14391	.0044	.00351	.00153	.00099	.00165	.0113	.00350	.00277	.00295	.00023
%RSD	.19537	21.610	.42458	.66487	.30360	.19574	172.57	.22106	.67206	.54525	.58813	.04382
#1	.51750	.76772	1.0389	.52559	.50486	.50822	.00212	5.1228	.51836	.50614	.49987	.52840
#2	.51607	.56420	1.0451	.53055	.50270	.50682	-.00021	5.1068	.52331	.51006	.50405	.52807
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5718**	**51.811**	**1.0300**	**21.095**	**.50771**	**.50322**	**5.0599**	**.51861**	**1.0608**	**1.0389**	**-.00272**	**1.0440**
Stddev	.0022	.056	.0006	.012	.00007	.00135	.0008	.00225	.0006	.0044	.00157	.0056
%RSD	.08675	.10754	.06274	.05472	.01440	.26901	.01568	.43478	.05569	.42009	57.884	.53722
#1	2.5733	51.850	1.0296	21.103	.50776	.50226	5.0593	.51702	1.0604	1.0358	-.00160	1.0400
#2	2.5702	51.772	1.0305	21.087	.50766	.50418	5.0604	.52021	1.0612	1.0420	-.00383	1.0479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0717**	**5.1087**	**1.0026**	**.51427**	**-.00486**	**.49811**	**1.0584**	**-.00571**	**.49521**	**.51216**	**.50252**
Stddev	.0046	.0111	.0059	.00077	.00010	.00013	.0051	.00234	.00044	.00027	.00199
%RSD	.42768	.21737	.59046	.15031	2.0424	.02593	.48541	41.063	.08840	.05298	.39626
#1	1.0685	5.1008	.99842	.51481	-.00493	.49802	1.0548	-.00405	.49551	.51197	.50393
#2	1.0749	5.1165	1.0068	.51372	-.00479	.49821	1.0620	-.00737	.49490	.51235	.50111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4255.5**	**59226.**	**4252.3**
Stddev	4.3	236.	17.3
%RSD	.10058	.39872	.40601
#1	4258.5	59393.	4264.5
#2	4252.5	59059.	4240.0

Sample Name: CCB Acquired: 4/2/2012 13:43:28 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00095**	**.00056**	**-.00161**	**.00129**	**-.00039**	**.00010**	**-.00739**	**.00259**	W **.00047**	**-.00022**
Stddev	.00038	.00030	.00089	.00044	.00084	.00008	.00083	.00154	.00008	.00000
%RSD	40.261	54.308	55.306	34.118	212.56	77.259	11.280	59.545	17.385	.26884
#1	-.00122	.00077	-.00224	.00160	.00020	.00015	-.00680	.00150	.00053	-.00022
#2	-.00068	.00034	-.00098	.00098	-.00098	.00005	-.00798	.00368	.00041	-.00022
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit	.00093								.00045	
Low Limit	-.00093								-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	W **.00144**	**.00179**	**-.06262**	**.00150**	W **-.01984**	W **-.00048**	**.00072**	F **-.10686**	**-.00038**
Stddev	.00017	.00027	.00229	.03412	.00115	.00025	.00003	.00010	.00464	.00006
%RSD	487.61	18.409	128.03	54.498	76.764	1.2567	6.0143	13.686	4.3461	15.439
#1	-.00009	.00163	.00341	-.08675	.00231	-.02002	-.00050	.00065	-.11014	-.00042
#2	.00015	.00126	.00017	-.03849	.00068	-.01967	-.00046	.00079	-.10357	-.00034
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00025		.10000	
Low Limit		-.00136				-.01070	-.00025		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**.00041**	**-.00777**	W **.00513**	**-.00306**	**.00185**	**.00101**	**.00027**	**-.00524**	**-.00039**
Stddev	.00183	.00058	.00127	.00115	.00717	.00109	.00027	.00003	.00037	.00010
%RSD	48.533	139.38	16.322	22.491	233.99	58.753	26.422	12.591	7.1545	24.794
#1	.00248	.00001	-.00867	.00431	.00200	.00108	.00120	.00030	-.00497	-.00032
#2	.00507	.00082	-.00687	.00594	-.00813	.00262	.00082	.00025	-.00550	-.00046
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00875**	**-.00027**	**.00127**	**-.00195**
Stddev	.00060	.03765	.00063	.00004	.00008
%RSD	513.63	430.10	230.54	2.8336	4.2212
#1	-.00054	.03537	.00017	.00130	-.00201
#2	.00031	-.01787	-.00072	.00125	-.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4177.1**	**59191.**	**4146.3**
Stddev	9.9	166.	27.6
%RSD	.23720	.28089	.66537
#1	4170.1	59074.	4165.8
#2	4184.1	59309.	4126.7

Sample Name: CCVL1341782 Acquired: 4/2/2012 13:45:59 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00997**	**.11518**	**.01718**	**.10467**	**.00990**	**.00098**	**.11208**	**.20684**	**.00555**	**.01040**	**.01018**
Stddev	.00052	.00081	.00058	.00009	.00015	.00018	.00339	.00084	.00036	.00032	.00004
%RSD	5.1853	.70075	3.3757	.08166	1.5349	18.214	3.0276	.40802	6.5683	3.0806	.43213
#1	.00960	.11575	.01677	.10461	.01001	.00111	.11448	.20744	.00581	.01062	.01015
#2	.01033	.11461	.01760	.10473	.00979	.00085	.10968	.20624	.00529	.01017	.01021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01798**	**.10336**	**3.0301**	**.01078**	**.19793**	**.01014**	**.02026**	**.93121**	**.04252**	**3.0928**	**.00917**
Stddev	.00056	.00100	.0305	.00148	.00108	.00008	.00013	.02090	.00020	.0107	.00030
%RSD	3.0921	.96677	1.0061	13.750	.54671	.81824	.64173	2.2444	.46563	.34584	3.2669
#1	.01837	.10265	3.0517	.00973	.19870	.01020	.02016	.94599	.04266	3.1003	.00939
#2	.01758	.10406	3.0086	.01182	.19717	.01009	.02035	.91644	.04238	3.0852	.00896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00510**	**.00913**	W **.01066**	**.51230**	**.10424**	**.01038**	F **.00727**	**.00943**	**.01568**	**.05654**	**.00961**
Stddev	.00074	.00217	.00161	.00728	.00043	.00007	.00069	.00028	.00025	.01098	.00004
%RSD	14.457	23.783	15.074	1.4201	.41200	.64888	9.5413	2.9962	1.6013	19.418	.43989
#1	-.00457	.01067	.00952	.51744	.10393	.01034	.00776	.00963	.01585	.06430	.00958
#2	-.00562	.00760	.01179	.50715	.10454	.01043	.00678	.00923	.01550	.04877	.00964
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02248**	**.01451**
Stddev	.00009	.00119
%RSD	.38625	8.1812
#1	.02254	.01535
#2	.02242	.01367
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4258.9**	**59994.**	**4207.4**
Stddev	5.0	124.	2.7
%RSD	.11732	.20627	.06469
#1	4262.4	60081.	4205.4
#2	4255.4	59906.	4209.3

Sample Name: MB 280-113658/1-A Acquired: 4/2/2012 13:48:29 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.00120**	**-.00016**	**-.00007**	W **-.00068**	**.00008**	**-.00335**	**.00209**	**.00037**	**-.00050**
Stddev	.00019	.00045	.00395	.00040	.00000	.00011	.00256	.00249	.00014	.00008
%RSD	22.282	37.436	2469.7	547.09	.49697	143.50	76.437	118.87	37.763	16.819
#1	-.00096	.00088	-.00295	.00021	-.00069	.00000	-.00516	.00033	.00047	-.00056
#2	-.00070	.00152	.00263	-.00036	-.00068	.00015	-.00154	.00385	.00027	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	W **.00160**	**.00053**	**-.07904**	W **.00298**	W **-.02128**	W **-.00054**	**.00004**	W **-.11592**	**-.00022**
Stddev	.00030	.00013	.00007	.00198	.00125	.00175	.00005	.00024	.00048	.00023
%RSD	153.41	7.8047	12.894	2.5015	42.043	8.2220	10.155	632.40	.41666	106.18
#1	-.00041	.00169	.00048	-.07764	.00209	-.02252	-.00050	.00021	-.11558	-.00005
#2	.00002	.00152	.00057	-.08044	.00386	-.02005	-.00058	-.00013	-.11626	-.00038
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit		.00136			.00261	.01070	.00025		.09160	
Low Limit		-.00136			-.00261	-.01070	-.00025		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.00043**	**-.00472**	**-.00002**	**-.00430**	**-.02515**	**-.00034**	**.00008**	W **-.00728**	**-.00017**
Stddev	.00166	.00084	.00157	.00004	.00198	.00612	.00093	.00008	.00114	.00009
%RSD	215.08	193.84	33.210	172.50	46.041	24.319	270.32	98.777	15.673	52.091
#1	-.00195	-.00016	-.00583	.00000	-.00570	-.02947	-.00100	.00013	-.00647	-.00011
#2	.00040	.00102	-.00361	-.00005	-.00290	-.02082	.00031	.00002	-.00809	-.00023
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00495	
Low Limit									-.00495	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	W **-.02624**	**-.00055**	**.00201**	**-.00043**
Stddev	.00026	.03049	.00029	.00011	.00120
%RSD	17.215	116.21	53.685	5.3856	279.46
#1	-.00134	-.04780	-.00075	.00193	.00042
#2	-.00172	-.00468	-.00034	.00208	-.00128
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01610			
Low Limit		-.01610			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.8**	**62342.**	**4398.4**
Stddev	8.6	67.	12.5
%RSD	.19650	.10753	.28318
#1	4356.7	62295.	4389.6
#2	4368.8	62390.	4407.2

Sample Name: LCS 280-113658/2-A Acquired: 4/2/2012 13:51:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05148**	**2.1216**	**1.0484**	**1.0376**	**2.0378**	**.05176**	**2.1164**	**51.007**	**.10705**	**.49926**
Stddev	.00068	.0183	.0035	.0018	.0021	.00009	.0051	.110	.00013	.00042
%RSD	1.3299	.86356	.32975	.17068	.10312	.16658	.24133	.21657	.11908	.08504
#1	.05100	2.1087	1.0508	1.0364	2.0393	.05182	2.1128	51.085	.10714	.49956
#2	.05197	2.1346	1.0460	1.0389	2.0363	.05169	2.1200	50.929	.10696	.49896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20232**	**.26879**	**1.0220**	**52.833**	**1.0463**	**51.647**	**.51387**	**1.0231**	**51.778**	**.51505**
Stddev	.00026	.00099	.0054	.100	.0005	.032	.00001	.0010	.146	.00012
%RSD	.12639	.37004	.52628	.18845	.04751	.06127	.00103	.09862	.28169	.02298
#1	.20250	.26809	1.0258	52.904	1.0459	51.625	.51386	1.0238	51.881	.51513
#2	.20214	.26950	1.0182	52.763	1.0466	51.670	.51387	1.0224	51.675	.51496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.754**	**.51197**	**.00147**	**.52599**	**2.1167**	**10.363**	**1.9868**	**1.0505**	**1.0010**	**1.0123**
Stddev	.006	.00120	.00068	.00047	.0050	.009	.0005	.0011	.0009	.0008
%RSD	.05718	.23425	46.553	.08915	.23822	.09033	.02407	.10359	.09334	.08137
#1	10.749	.51282	.00098	.52566	2.1132	10.356	1.9871	1.0512	1.0017	1.0117
#2	10.758	.51112	.00195	.52632	2.1203	10.369	1.9864	1.0497	1.0003	1.0129
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0467**	**2.0688**	**.50746**	**.50421**	**.49677**
Stddev	.0019	.0109	.00074	.00057	.00001
%RSD	.09438	.52629	.14541	.11364	.00108
#1	2.0480	2.0765	.50798	.50380	.49677
#2	2.0453	2.0611	.50694	.50462	.49676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4232.1**	**59230.**	**4354.1**
Stddev	1.4	157.	3.3
%RSD	.03392	.26441	.07631
#1	4231.1	59119.	4356.5
#2	4233.1	59340.	4351.8

Sample Name: LCSD 280-113658/3-A Acquired: 4/2/2012 13:53:16 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05112**	**2.1162**	**1.0419**	**1.0435**	**2.0224**	**.05121**	**2.1090**	**50.664**	**.10667**	**.49736**
Stddev	.00027	.0109	.0024	.0007	.0001	.00009	.0061	.043	.00015	.00021
%RSD	.51865	.51404	.23183	.06766	.00720	.16667	.28932	.08513	.13647	.04203
#1	.05131	2.1086	1.0402	1.0440	2.0223	.05127	2.1134	50.634	.10677	.49721
#2	.05093	2.1239	1.0436	1.0430	2.0225	.05115	2.1047	50.695	.10657	.49751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20095**	**.26842**	**1.0176**	**52.504**	**1.0426**	**51.553**	**.51216**	**1.0222**	**51.362**	**.51346**
Stddev	.00011	.00042	.0073	.075	.0031	.030	.00015	.0004	.200	.00038
%RSD	.05470	.15596	.71326	.14226	.29276	.05872	.02861	.03634	.38968	.07418
#1	.20103	.26812	1.0228	52.451	1.0404	51.575	.51206	1.0220	51.221	.51319
#2	.20087	.26872	1.0125	52.556	1.0448	51.532	.51227	1.0225	51.504	.51373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.687**	**.51196**	**-.00456**	**.52546**	**2.1216**	**10.314**	**1.9850**	**1.0425**	**.99533**	**1.0121**
Stddev	.006	.00121	.00174	.00428	.0014	.019	.0048	.0006	.00047	.0007
%RSD	.05287	.23634	38.052	.81431	.06696	.18105	.24023	.06053	.04756	.06696
#1	10.683	.51110	-.00333	.52243	2.1226	10.301	1.9884	1.0420	.99567	1.0126
#2	10.691	.51281	-.00579	.52848	2.1206	10.327	1.9816	1.0429	.99500	1.0117
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0460**	**2.0718**	**.50506**	**.50064**	**.49477**
Stddev	.0032	.0127	.00039	.00024	.00024
%RSD	.15899	.61231	.07674	.04861	.04863
#1	2.0483	2.0628	.50478	.50081	.49494
#2	2.0437	2.0808	.50533	.50046	.49460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4228.3**	**59203.**	**4348.3**
Stddev	1.1	45.	8.1
%RSD	.02718	.07581	.18703
#1	4229.1	59235.	4342.5
#2	4227.5	59172.	4354.0

Sample Name: 280-27121-G-1-C Acquired: 4/2/2012 13:55:32 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**.00570**	**.01994**	**4.4504**	**.02388**	**.00002**	**-.00487**	**88.396**	**.00062**	**-.00030**
Stddev	.00003	.00018	.00120	.0109	.00050	.00003	.00151	.387	.00011	.00009
%RSD	2.7854	3.0935	5.9952	.24397	2.0734	123.93	31.036	.43735	18.080	28.900
#1	-.00100	.00583	.02079	4.4427	.02353	.00000	-.00594	88.122	.00070	-.00037
#2	-.00096	.00558	.01909	4.4581	.02423	.00004	-.00380	88.669	.00054	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00671**	**.01629**	**86.747**	**.34956**	**100.58**	**.00129**	**.27480**	**400.40**	**.00502**
Stddev	.00015	.00000	.00378	.459	.00028	.41	.00003	.00036	1.27	.00020
%RSD	44.856	.05556	23.194	.52874	.08017	.40985	1.9815	.13251	.31661	3.9023
#1	.00045	.00671	.01362	86.422	.34936	100.29	.00127	.27506	399.50	.00488
#2	.00023	.00671	.01896	87.071	.34976	100.87	.00131	.27454	401.29	.00516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00915**	**-.00132**	**432.47**	**.00111**	**.00501**	**8.2118**	**.00042**	**6.3184**	**-.00710**	**-.00096**
Stddev	.00425	.00053	.52	.00096	.00868	.0599	.00095	.0311	.00183	.00046
%RSD	46.494	40.048	.12048	87.038	173.24	.72953	223.20	.49204	25.840	47.795
#1	.00614	-.00094	432.10	.00179	-.00113	8.1694	-.00025	6.2964	-.00580	-.00063
#2	.01215	-.00169	432.84	.00043	.01115	8.2541	.00110	6.3404	-.00840	-.00128
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**-.00297**	**.00354**	**.00534**	**-.00111**
Stddev	.00000	.02388	.00037	.00001	.00019
%RSD	.08532	804.52	10.514	.27807	17.286
#1	.00337	-.01985	.00328	.00535	-.00097
#2	.00336	.01392	.00381	.00533	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4070.1**	**56323.**	**4322.0**
Stddev	7.8	433.	16.6
%RSD	.19190	.76927	.38421
#1	4064.6	56629.	4333.7
#2	4075.6	56017.	4310.2

Sample Name: 280-27107-F-1-D Acquired: 4/2/2012 13:58:04 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**.22465**	**.00095**	**.02458**	**.02018**	**.00008**	**-.00410**	**7.2548**	**.00041**	**.00010**
Stddev	.00014	.00247	.00373	.00185	.00014	.00009	.00699	.0239	.00019	.00006
%RSD	12.995	1.0996	391.40	7.5315	.66916	113.44	170.53	.32967	45.580	59.848
#1	-.00099	.22291	-.00169	.02589	.02009	.00002	-.00905	7.2717	.00054	.00006
#2	-.00120	.22640	.00359	.02327	.02028	.00014	.00084	7.2379	.00028	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00227**	**.83765**	**2.0547**	**.00618**	**2.0643**	**.19277**	**.00025**	**7.1923**	**-.00001**
Stddev	.00005	.00025	.00044	.0256	.00097	.0025	.00014	.00019	.0202	.00002
%RSD	22.879	11.149	.05225	1.2462	15.659	.12046	.07513	77.694	.28064	275.05
#1	.00018	.00245	.83734	2.0366	.00687	2.0625	.19267	.00011	7.2066	.00001
#2	.00025	.00209	.83796	2.0728	.00550	2.0660	.19287	.00039	7.1781	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03971**	**.00136**	**1.2568**	**.00049**	**-.00193**	**6.7392**	**-.00003**	**.06102**	**-.00733**	**.00692**
Stddev	.00118	.00048	.0070	.00423	.00275	.0201	.00033	.00005	.00058	.00005
%RSD	2.9722	35.088	.55597	871.64	142.77	.29795	952.68	.07391	7.9840	.72474
#1	.04054	.00169	1.2617	-.00250	-.00387	6.7534	-.00026	.06105	-.00691	.00695
#2	.03887	.00102	1.2518	.00347	.00002	6.7250	.00020	.06099	-.00774	.00688
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**-.00090**	**-.00013**	**.00492**	**-.00202**
Stddev	.00160	.00580	.00002	.00036	.00027
%RSD	130.99	645.50	17.866	7.3400	13.173
#1	-.00235	.00320	-.00012	.00466	-.00221
#2	-.00009	-.00500	-.00015	.00517	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4356.9**	**61488.**	**4393.6**
Stddev	8.3	119.	20.2
%RSD	.19065	.19353	.45989
#1	4351.0	61572.	4379.4
#2	4362.7	61403.	4407.9

Sample Name: 280-27107-F-2-B Acquired: 4/2/2012 14:00:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00650**	**.00074**	**.00561**	**-.00064**	**.00011**	**-.00512**	**.02768**	**.00027**	**.00034**
Stddev	.00014	.00018	.00126	.00031	.00018	.00004	.00153	.00176	.00009	.00007
%RSD	29.080	2.8151	170.77	5.4456	28.373	34.432	29.914	6.3589	34.709	21.214
#1	-.00059	.00663	-.00015	.00582	-.00051	.00014	-.00621	.02644	.00020	.00039
#2	-.00039	.00637	.00163	.00539	-.00076	.00008	-.00404	.02893	.00033	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00179**	**.00350**	**-.06840**	**.00555**	**-.01785**	**.00040**	**.00000**	**-.08260**	**-.00053**
Stddev	.00010	.00020	.00029	.02319	.00068	.00070	.00001	.00002	.00023	.00038
%RSD	243.57	11.401	8.2364	33.899	12.276	3.9216	3.5960	454.06	.27626	72.593
#1	-.00003	.00193	.00330	-.05201	.00603	-.01735	.00039	.00001	-.08244	-.00026
#2	.00012	.00164	.00371	-.08480	.00506	-.01834	.00041	-.00001	-.08276	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.00008**	**.01427**	**.00123**	**-.00477**	**.01462**	**.00065**	**.00019**	**-.00639**	**-.00040**
Stddev	.00070	.00000	.00234	.00125	.00217	.00662	.00038	.00018	.00174	.00047
%RSD	45.037	2.6597	16.401	101.87	45.497	45.249	58.369	93.321	27.323	118.63
#1	.00206	.00009	.01262	.00211	-.00324	.00994	.00091	.00031	-.00762	-.00006
#2	.00106	.00008	.01593	.00034	-.00631	.01930	.00038	.00006	-.00515	-.00073
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	**-.01455**	**-.00090**	**.00329**	**-.00145**
Stddev	.00023	.03144	.00012	.00030	.00009
%RSD	14.824	216.06	13.580	9.2449	5.9574
#1	-.00169	.00768	-.00099	.00307	-.00151
#2	-.00137	-.03678	-.00082	.00350	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4355.8**	**62013.**	**4377.0**
Stddev	.2	119.	13.7
%RSD	.00490	.19205	.31293
#1	4355.6	62097.	4367.3
#2	4355.9	61929.	4386.7

Sample Name: sd 280-27107-F-2-B@5 Acquired: 4/2/2012 14:03:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.00306**	**.00315**	**.00297**	**-.00077**	**.00018**	**-.00425**	**.02392**	**.00014**	**.00010**
Stddev	.00084	.00071	.00296	.00036	.00026	.00004	.00107	.00229	.00007	.00026
%RSD	111.32	23.139	94.219	12.229	33.332	23.166	25.128	9.5661	51.969	254.36
#1	-.00016	.00356	.00105	.00322	-.00059	.00015	-.00501	.02230	.00019	-.00008
#2	-.00134	.00256	.00524	.00271	-.00095	.00021	-.00350	.02554	.00009	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00165**	**.00750**	**-.06840**	**.00220**	**-.01449**	**-.00020**	**-.00019**	**-.09902**	**-.00021**
Stddev	.00013	.00022	.00353	.00735	.00034	.00605	.00016	.00012	.00363	.00012
%RSD	27.133	13.588	47.085	10.740	15.559	41.723	81.890	64.453	3.6663	58.510
#1	.00039	.00181	.00500	-.06321	.00196	-.01877	-.00031	-.00028	-.09645	-.00029
#2	.00057	.00149	.00999	-.07360	.00244	-.01022	-.00008	-.00010	-.10158	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**-.00042**	**.00153**	**-.00157**	**-.00128**	**-.00580**	**.00013**	**.00019**	**-.00662**	**-.00033**
Stddev	.00237	.00084	.00094	.00132	.00416	.01758	.00161	.00005	.00013	.00045
%RSD	210.30	200.86	61.497	84.205	325.60	303.19	1254.1	28.433	1.9155	136.03
#1	.00280	.00018	.00087	-.00063	-.00422	.00663	-.00101	.00015	-.00653	-.00065
#2	-.00055	-.00102	.00220	-.00250	.00166	-.01823	.00127	.00022	-.00671	-.00001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00229**	**.01661**	**-.00060**	**.00332**	**.00060**
Stddev	.00114	.00756	.00007	.00028	.00158
%RSD	49.732	45.497	12.279	8.3204	265.22
#1	-.00148	.01127	-.00065	.00352	.00172
#2	-.00309	.02195	-.00055	.00313	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4364.9**	**61857.**	**4348.4**
Stddev	3.3	84.	9.3
%RSD	.07506	.13574	.21277
#1	4362.6	61798.	4341.8
#2	4367.2	61917.	4354.9

Sample Name: 280-27107-F-2-C MS Acquired: 4/2/2012 14:05:37 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05313**	**2.1744**	**1.0718**	**1.0685**	**2.0761**	**.05276**	**2.1653**	**51.989**	**.10958**	**.51124**
Stddev	.00043	.0150	.0026	.0016	.0005	.00002	.0001	.008	.00033	.00044
%RSD	.80198	.68930	.23772	.14849	.02611	.03129	.00501	.01515	.29677	.08623
#1	.05344	2.1638	1.0700	1.0674	2.0765	.05277	2.1652	51.984	.10935	.51093
#2	.05283	2.1850	1.0736	1.0697	2.0757	.05275	2.1653	51.995	.10981	.51155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20720**	**.27609**	**1.0442**	**53.756**	**1.0623**	**52.899**	**.52711**	**1.0508**	**52.547**	**.52603**
Stddev	.00028	.00002	.0019	.026	.0000	.026	.00003	.0020	.516	.00091
%RSD	.13455	.00882	.18231	.04916	.00124	.04957	.00660	.19152	.98155	.17223
#1	.20700	.27608	1.0429	53.775	1.0623	52.881	.52714	1.0493	52.182	.52539
#2	.20739	.27611	1.0456	53.737	1.0623	52.918	.52709	1.0522	52.912	.52667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.977**	**.52122**	**.00810**	**.53840**	**2.1569**	**10.582**	**2.0435**	**1.0686**	**1.0219**	**1.0399**
Stddev	.007	.00003	.00468	.00065	.0026	.010	.0039	.0002	.0008	.0014
%RSD	.05981	.00615	57.752	.12099	.12022	.09862	.18832	.01890	.07530	.12992
#1	10.982	.52124	.01141	.53794	2.1587	10.589	2.0408	1.0685	1.0225	1.0389
#2	10.972	.52120	.00479	.53886	2.1551	10.574	2.0463	1.0688	1.0214	1.0408
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0851**	**2.1503**	**.51865**	**.51503**	**.51009**
Stddev	.0040	.0172	.00002	.00159	.00332
%RSD	.19344	.79918	.00402	.30832	.65131
#1	2.0823	2.1381	.51866	.51615	.50774
#2	2.0880	2.1624	.51864	.51390	.51244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4192.2**	**58845.**	**4335.5**
Stddev	9.7	42.	6.7
%RSD	.23060	.07073	.15455
#1	4199.0	58875.	4330.7
#2	4185.3	58816.	4340.2

Sample Name: 280-27107-F-2-D MSD Acquired: 4/2/2012 14:07:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05212**	**2.1611**	**1.0579**	**1.0693**	**2.0643**	**.05251**	**2.1485**	**51.574**	**.10839**	**.50717**
Stddev	.00067	.0165	.0009	.0008	.0063	.00016	.0020	.149	.00036	.00154
%RSD	1.2923	.76423	.08705	.07062	.30427	.30873	.09216	.28869	.33376	.30295
#1	.05259	2.1494	1.0585	1.0688	2.0688	.05263	2.1471	51.680	.10865	.50608
#2	.05164	2.1728	1.0572	1.0699	2.0599	.05240	2.1499	51.469	.10814	.50826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20577**	**.27391**	**1.0471**	**53.444**	**1.0593**	**52.390**	**.52289**	**1.0518**	**52.705**	**.52156**
Stddev	.00081	.00092	.0099	.017	.0087	.032	.00034	.0008	.589	.00125
%RSD	.39427	.33517	.94346	.03132	.82177	.06130	.06428	.07679	1.1179	.23954
#1	.20520	.27326	1.0541	53.456	1.0655	52.367	.52265	1.0512	53.122	.52067
#2	.20634	.27456	1.0401	53.432	1.0532	52.412	.52313	1.0524	52.288	.52244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.890**	**.51925**	**.00429**	**.53908**	**2.1392**	**10.580**	**2.0450**	**1.0627**	**1.0150**	**1.0389**
Stddev	.015	.00150	.00195	.00036	.0055	.004	.0008	.0038	.0000	.0000
%RSD	.13843	.28884	45.489	.06594	.25572	.03915	.03775	.35751	.00207	.00143
#1	10.879	.52031	.00291	.53883	2.1431	10.577	2.0456	1.0653	1.0150	1.0389
#2	10.900	.51819	.00567	.53933	2.1354	10.582	2.0445	1.0600	1.0150	1.0390
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0768**	**2.1551**	**.51382**	**.51044**	**.51392**
Stddev	.0008	.0142	.00197	.00252	.00259
%RSD	.03869	.66035	.38261	.49365	.50367
#1	2.0763	2.1652	.51243	.50865	.51575
#2	2.0774	2.1451	.51521	.51222	.51209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4192.6**	**58592.**	**4305.6**
Stddev	3.6	97.	6.2
%RSD	.08687	.16535	.14409
#1	4190.0	58660.	4310.0
#2	4195.2	58523.	4301.2

Sample Name: CCVH-1338467 Acquired: 4/2/2012 14:10:07 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**50.444**	**-.00009**	**.00694**	**.00016**	**.00008**	**1.0294**	**.01119**	**-.00163**	**.00203**	**.00079**	**.00383**	**51.606**
Stddev	.00008	.008	.00128	.00037	.00057	.00002	.0019	.00489	.00016	.00047	.00017	.00025	.077
%RSD	12.529	.01623	1381.9	5.3921	347.06	25.948	.18735	43.724	10.056	23.021	21.836	6.6390	.14827
#1	.00072	50.438	.00081	.00668	.00057	.00009	1.0308	.00773	-.00175	.00170	.00066	.00365	51.660
#2	.00060	50.450	-.00100	.00721	-.00024	.00006	1.0281	.01466	-.00152	.00236	.00091	.00401	51.552
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00172**	**.00329**	**-.04045**	**-.00114**	**.00013**	**256.44**	**.00233**	**.01354**	**.00182**	**5.3641**	**-.00647**	**-.00115**	**.01530**
Stddev	.02900	.00077	.00265	.00007	.00063	.17	.00063	.00845	.00177	.0312	.00079	.00037	.01906
%RSD	1684.8	23.437	6.5581	5.7949	488.25	.06767	27.231	62.384	97.698	.58110	12.188	31.718	124.56
#1	-.02223	.00383	-.03857	-.00110	-.00032	256.32	.00188	.00757	.00056	5.3421	-.00591	-.00089	.02878
#2	.01879	.00274	-.04233	-.00119	.00058	256.56	.00278	.01951	.00307	5.3862	-.00702	-.00141	.00182
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00294**	**.00051**	**4.9609**	**.00359**	**.00664**	**10.100**	**.00742**	**.00256**	**-.02800**
Stddev	.00167	.00001	.0054	.00005	.00049	.005	.00021	.00021	.00318
%RSD	56.856	2.3180	.10848	1.3904	7.3631	.05392	2.8679	8.3067	11.339
#1	.00176	.00050	4.9647	.00355	.00629	10.104	.00727	.00271	-.03025
#2	.00413	.00052	4.9571	.00362	.00698	10.096	.00757	.00241	-.02576
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4210.2**	**58958.**	**4310.6**
Stddev	15.4	12.	14.4
%RSD	.36461	.02059	.33344
#1	4221.1	58966.	4320.8
#2	4199.3	58949.	4300.4

Sample Name: CCV-1338469 Acquired: 4/2/2012 14:12:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51604**	F **.55964**	**1.0430**	**.53004**	**.50619**	**.51066**	**.00075**	**5.1366**	**.52428**	**.51031**	**.50307**	**.53064**
Stddev	.00129	.00398	.0046	.00279	.00133	.00248	.00092	.0172	.00159	.00038	.00114	.00048
%RSD	.24920	.71103	.44436	.52672	.26237	.48518	121.78	.33529	.30374	.07511	.22691	.09029
#1	.51694	.55682	1.0463	.52807	.50713	.51242	.00140	5.1488	.52315	.51004	.50227	.53098
#2	.51513	.56245	1.0397	.53202	.50525	.50891	.00010	5.1244	.52541	.51058	.50388	.53030
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5787**	**52.068**	**1.0349**	**21.177**	**.50937**	**.50482**	**5.0468**	**.52085**	**1.0578**	**1.0444**	**-.00634**	**1.0537**
Stddev	.0140	.173	.0009	.017	.00041	.00150	.0405	.00127	.0030	.0031	.00615	.0013
%RSD	.54274	.33262	.08819	.08063	.08038	.29661	.80222	.24450	.28620	.30057	97.029	.12475
#1	2.5886	52.190	1.0355	21.189	.50966	.50376	5.0754	.51995	1.0556	1.0422	-.01070	1.0528
#2	2.5689	51.945	1.0343	21.165	.50908	.50587	5.0181	.52175	1.0599	1.0466	-.00199	1.0546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0679**	**5.1597**	**1.0035**	**.51667**	**-.00568**	**.49702**	**1.0653**	**.01667**	**.49415**	**.51537**	**.50723**
Stddev	.0014	.0078	.0022	.00122	.00253	.00074	.0044	.01629	.00021	.00088	.00236
%RSD	.13051	.15062	.21552	.23696	44.643	.14884	.40965	97.702	.04254	.17166	.46611
#1	1.0689	5.1652	1.0019	.51753	-.00389	.49754	1.0622	.00515	.49400	.51599	.50890
#2	1.0669	5.1542	1.0050	.51580	-.00747	.49649	1.0684	.02819	.49430	.51474	.50555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4207.0**	**58300.**	**4165.5**
Stddev	6.4	54.	25.6
%RSD	.15094	.09324	.61371
#1	4211.5	58261.	4147.4
#2	4202.5	58338.	4183.6

Sample Name: CCB Acquired: 4/2/2012 14:14:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00112**	**-.00064**	**.00013**	W **.00238**	**-.00015**	**.00016**	**-.00169**	**.00063**	W **.00053**	**-.00064**
Stddev	.00061	.00034	.00175	.00024	.00034	.00007	.00069	.00649	.00009	.00008
%RSD	54.414	52.111	1313.7	9.9745	229.78	45.295	41.187	1030.2	16.116	13.253
#1	-.00069	-.00088	.00137	.00255	-.00039	.00022	-.00218	.00522	.00059	-.00058
#2	-.00156	-.00041	-.00110	.00221	.00009	.00011	-.00120	-.00396	.00047	-.00070
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit	.00093			.00156					.00045	
Low Limit	-.00093			-.00156					-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	W **.00202**	**-.00258**	**-.00195**	**.00153**	F **-.02182**	F **-.00053**	**.00089**	W **-.09366**	**-.00058**
Stddev	.00004	.00015	.00025	.00288	.00207	.00005	.00001	.00010	.00410	.00018
%RSD	177.10	7.3450	9.7411	147.88	135.26	.24653	2.8316	10.888	4.3794	30.702
#1	.00005	.00192	-.00240	-.00399	.00007	-.02186	-.00052	.00082	-.09076	-.00071
#2	-.00001	.00213	-.00276	.00009	.00300	-.02178	-.00054	.00096	-.09656	-.00046
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		.00136				.02140	.00051		.09160	
Low Limit		-.00136				-.02140	-.00051		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00013**	**-.00270**	W **.00409**	**-.00030**	**.01929**	**.00108**	**.00011**	**-.00710**	W **-.00078**
Stddev	.00198	.00188	.00559	.00025	.00022	.01263	.00128	.00001	.00003	.00008
%RSD	271.54	1488.9	206.77	6.1625	74.684	65.470	117.78	10.222	.36556	10.039
#1	-.00067	-.00146	-.00665	.00427	-.00014	.01036	.00018	.00010	-.00712	-.00084
#2	.00213	.00121	.00125	.00391	-.00045	.02822	.00199	.00011	-.00708	-.00073
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00314						.00060
Low Limit				-.00314						-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**-.01513**	**-.00079**	**.00134**	**-.00043**
Stddev	.00129	.01051	.00009	.00018	.00049
%RSD	132.70	69.451	10.999	13.533	116.25
#1	-.00188	-.00770	-.00072	.00121	-.00077
#2	-.00006	-.02256	-.00085	.00147	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4172.6**	**59013.**	**4126.6**
Stddev	6.8	10.	20.9
%RSD	.16326	.01734	.50590
#1	4167.8	59006.	4111.9
#2	4177.4	59021.	4141.4

Sample Name: CCVL1341782 Acquired: 4/2/2012 14:17:25 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00915**	**.11503**	**.01638**	**.10526**	**.00961**	**.00103**	**.10928**	**.20471**	**.00547**	**.01010**	**.01002**
Stddev	.00033	.00089	.00305	.00083	.00050	.00006	.00108	.00096	.00001	.00025	.00011
%RSD	3.5992	.77420	18.595	.78998	5.1790	5.6071	.99038	.47065	.26395	2.4689	1.0623
#1	.00892	.11440	.01853	.10467	.00997	.00098	.11005	.20403	.00546	.01028	.01010
#2	.00939	.11566	.01423	.10585	.00926	.00107	.10852	.20539	.00548	.00992	.00995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01800**	**.10060**	**3.0681**	**.01142**	**.19712**	**.01004**	**.02017**	**.93846**	**.04316**	**3.0865**	**.00925**
Stddev	.00012	.00131	.0373	.00011	.00171	.00003	.00022	.01950	.00029	.0056	.00066
%RSD	.65688	1.3033	1.2146	.96975	.86705	.26486	1.0796	2.0783	.67399	.18004	7.0983
#1	.01791	.10153	3.0418	.01134	.19591	.01006	.02002	.95226	.04337	3.0904	.00971
#2	.01808	.09968	3.0945	.01150	.19833	.01003	.02033	.92467	.04296	3.0825	.00878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00512**	**.01058**	W **.01137**	**.51202**	**.10295**	**.01047**	F **.00699**	**.00921**	**.01489**	**.06469**	**.00975**
Stddev	.01016	.00059	.00137	.00278	.00113	.00006	.00021	.00002	.00065	.04104	.00061
%RSD	198.52	5.5332	12.033	.54328	1.0931	.61459	2.9490	.27123	4.3801	63.443	6.2086
#1	-.01230	.01100	.01234	.51005	.10215	.01052	.00684	.00923	.01535	.03567	.01018
#2	.00207	.01017	.01040	.51399	.10374	.01042	.00714	.00919	.01443	.09371	.00932
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02275**	**.01527**
Stddev	.00007	.00106
%RSD	.31528	6.9220
#1	.02280	.01601
#2	.02270	.01452
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4251.6**	**59710.**	**4180.8**
Stddev	3.6	13.	4.6
%RSD	.08379	.02191	.11001
#1	4254.1	59720.	4177.5
#2	4249.1	59701.	4184.0

Sample Name: MB 280-113645/1-A Acquired: 4/2/2012 14:19:56 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00127**	**.00079**	**-.00063**	**.00020**	**-.00023**	**.00018**	**-.00210**	**.00214**	**.00015**	**-.00025**
Stddev	.00037	.00019	.00458	.00057	.00033	.00008	.00236	.00400	.00007	.00003
%RSD	28.665	24.438	730.27	290.70	140.52	45.934	112.59	187.27	47.574	10.351
#1	-.00102	.00092	.00261	-.00021	-.00047	.00024	-.00377	-.00069	.00010	-.00023
#2	-.00153	.00065	-.00386	.00060	.00000	.00012	-.00043	.00497	.00020	-.00026
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093									
Low Limit	-.00093									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	W **.00219**	W **.04118**	**-.06335**	**.00008**	W **-.02130**	W **-.00027**	**.00022**	W **-.11094**	**.00023**
Stddev	.00002	.00027	.00315	.01042	.00055	.00014	.00006	.00009	.00488	.00011
%RSD	4.4900	12.181	7.6480	16.455	659.11	.67035	21.266	42.866	4.3946	46.150
#1	.00054	.00200	.04341	-.05598	-.00030	-.02140	-.00031	.00015	-.10750	.00016
#2	.00057	.00238	.03896	-.07072	.00047	-.02120	-.00023	.00029	-.11439	.00031
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit		.00136	.02200			.01070	.00025		.09160	
Low Limit		-.00136	-.02200			-.01070	-.00025		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00192**	**.00004**	**-.00254**	**.00036**	**-.00361**	**.00474**	**-.00023**	**.00013**	W **-.00733**	**-.00047**
Stddev	.00034	.00016	.00086	.00074	.00243	.01208	.00047	.00001	.00173	.00010
%RSD	17.722	422.82	33.960	202.68	67.213	254.97	207.75	4.7263	23.534	20.030
#1	-.00216	.00015	-.00315	.00088	-.00190	-.00381	-.00056	.00013	-.00855	-.00054
#2	-.00168	-.00008	-.00193	-.00016	-.00533	.01328	.00011	.00012	-.00611	-.00041
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00495	
Low Limit									-.00495	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	W **-.01710**	**-.00044**	W **.00509**	**-.00125**
Stddev	.00201	.03485	.00042	.00011	.00092
%RSD	2525.5	203.76	95.552	2.0639	73.890
#1	-.00134	.00754	-.00014	.00516	-.00190
#2	.00150	-.04175	-.00073	.00502	-.00060
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit		.01610		.00453	
Low Limit		-.01610		-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4408.2**	**60726.**	**4249.6**
Stddev	27.5	115.	14.6
%RSD	.62398	.18890	.34372
#1	4388.8	60644.	4260.0
#2	4427.7	60807.	4239.3

Sample Name: LCS 280-113645/2-A Acquired: 4/2/2012 14:22:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05297**	F **2.1669**	**1.0789**	**1.0949**	**2.0379**	**.05198**	**2.1601**	**51.055**	**.10960**	**.50203**
Stddev	.00040	.0026	.0078	.0026	.0012	.00002	.0037	.010	.00009	.00035
%RSD	.74924	.12008	.72256	.23328	.06105	.03204	.17073	.01932	.07824	.07056
#1	.05325	2.1650	1.0734	1.0931	2.0370	.05199	2.1575	51.062	.10954	.50228
#2	.05269	2.1687	1.0844	1.0968	2.0387	.05197	2.1627	51.048	.10966	.50178
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.1600								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20184**	**.27294**	**1.0255**	**52.925**	**1.0436**	**53.040**	**.51814**	**1.0232**	**51.764**	**.52012**
Stddev	.00030	.00039	.0016	.042	.0038	.009	.00001	.0007	.044	.00060
%RSD	.14755	.14291	.15817	.08013	.36741	.01606	.00215	.06970	.08547	.11521
#1	.20163	.27266	1.0266	52.895	1.0463	53.034	.51815	1.0227	51.795	.51970
#2	.20205	.27322	1.0243	52.955	1.0409	53.046	.51813	1.0237	51.733	.52054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.143**	**.52105**	**-.00341**	F **.54440**	F **2.2439**	**10.413**	**2.0071**	**1.0503**	**1.0004**	**1.0167**
Stddev	.001	.00089	.00323	.00220	.0040	.015	.0007	.0006	.0030	.0020
%RSD	.00950	.17022	94.601	.40411	.17833	.14286	.03695	.06133	.29819	.19562
#1	11.142	.52042	-.00570	.54595	2.2411	10.423	2.0076	1.0498	1.0025	1.0181
#2	11.143	.52168	-.00113	.54284	2.2467	10.402	2.0066	1.0507	.99825	1.0153
Check ?	Chk Fail	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	11.100			.54000	2.2000					
Low Limit	9.1000			.44000	1.8000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0901**	**2.0563**	**.50713**	**.51484**	**.49881**
Stddev	.0011	.0297	.00001	.00070	.00162
%RSD	.05248	1.4436	.00286	.13573	.32488
#1	2.0908	2.0773	.50712	.51533	.49767
#2	2.0893	2.0353	.50714	.51435	.49996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4265.3**	**59272.**	**4386.4**
Stddev	.4	53.	27.5
%RSD	.00844	.08909	.62713
#1	4265.6	59235.	4367.0
#2	4265.0	59309.	4405.9

Sample Name: 280-27131-A-1-A Acquired: 4/2/2012 14:24:45 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.00050**	**.00509**	**.11484**	**.02513**	**.00004**	**-.00512**	**93.350**	**.00005**	**-.00010**
Stddev	.00083	.00014	.00191	.00101	.00034	.00001	.00009	.005	.00013	.00013
%RSD	54.886	27.064	37.600	.87887	1.3405	22.319	1.7860	.00518	251.73	124.97
#1	-.00210	.00060	.00373	.11555	.02536	.00004	-.00518	93.347	-.00004	-.00019
#2	-.00092	.00040	.00644	.11412	.02489	.00003	-.00506	93.354	.00015	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**.00290**	**.04794**	**4.9334**	**.10334**	**22.361**	**-.00018**	**.00303**	**112.39**	**.00106**
Stddev	.00023	.00008	.00146	.0014	.00155	.007	.00004	.00009	.01	.00005
%RSD	18.902	2.5947	3.0412	.02800	1.5046	.03282	23.502	2.9156	.01321	5.0141
#1	.00137	.00295	.04897	4.9324	.10444	22.366	-.00015	.00297	112.38	.00102
#2	.00105	.00285	.04691	4.9344	.10224	22.356	-.00020	.00309	112.40	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00409**	**.00001**	**42.570**	**-.00319**	**.00085**	**13.999**	**.00141**	**.77114**	**-.00676**	**-.00086**
Stddev	.00150	.00022	.110	.00101	.00039	.011	.00069	.00013	.00118	.00008
%RSD	36.646	2449.6	.25796	31.752	46.062	.07818	48.822	.01654	17.465	9.1335
#1	.00303	-.00015	42.493	-.00247	.00112	13.991	.00190	.77123	-.00593	-.00092
#2	.00515	.00016	42.648	-.00391	.00057	14.007	.00092	.77105	-.00760	-.00081
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00402**	**-.00198**	**.00661**	**.00454**	**-.00090**
Stddev	.00475	.00666	.00042	.00042	.00041
%RSD	118.15	336.04	6.3008	9.3315	45.957
#1	.00066	.00273	.00691	.00484	-.00061
#2	.00738	-.00669	.00632	.00424	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4211.9**	**58835.**	**4343.9**
Stddev	1.2	127.	4.6
%RSD	.02868	.21575	.10593
#1	4211.0	58746.	4347.2
#2	4212.7	58925.	4340.7

Sample Name: sd 280-27131-A-1-A@5 Acquired: 4/2/2012 14:27:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.01216**	**.00210**	**.02271**	**.00460**	**.00004**	**-.00287**	**18.485**	**.00008**	**-.00034**
Stddev	.00021	.00024	.00253	.00036	.00015	.00002	.00215	.051	.00001	.00005
%RSD	20.453	1.9432	120.66	1.6023	3.2367	57.753	75.117	.27691	16.508	15.563
#1	-.00116	.01200	.00031	.02245	.00450	.00005	-.00439	18.449	.00007	-.00030
#2	-.00087	.01233	.00388	.02297	.00471	.00002	-.00134	18.521	.00008	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00213**	**.01473**	**.89427**	**.02291**	**4.5276**	**-.00030**	**.00064**	**22.883**	**.00045**
Stddev	.00006	.00001	.00162	.05080	.00031	.0101	.00005	.00001	.160	.00007
%RSD	9.0504	.41930	11.005	5.6807	1.3715	.22262	16.492	1.9897	.69909	15.097
#1	.00065	.00212	.01588	.85835	.02313	4.5204	-.00027	.00063	22.996	.00050
#2	.00074	.00214	.01358	.93019	.02268	4.5347	-.00034	.00065	22.770	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**-.00050**	**8.0945**	**-.00165**	**-.00196**	**2.7268**	**.00020**	**.15480**	**-.00633**	**-.00079**
Stddev	.00134	.00057	.0114	.00141	.00409	.0079	.00099	.00007	.00113	.00029
%RSD	159.44	114.66	.14054	85.884	209.14	.28975	507.42	.04331	17.889	37.011
#1	.00179	-.00091	8.0865	-.00065	-.00485	2.7212	.00090	.15475	-.00553	-.00059
#2	-.00011	-.00009	8.1026	-.00264	.00094	2.7324	-.00051	.15485	-.00713	-.00100
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00834**	**.00088**	**.00342**	**-.00086**
Stddev	.00011	.04037	.00017	.00034	.00020
%RSD	101.36	483.82	18.948	9.8236	23.318
#1	.00003	-.03689	.00100	.00366	-.00100
#2	.00019	.02020	.00076	.00318	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4320.9**	**60566.**	**4327.8**
Stddev	7.1	37.	11.8
%RSD	.16544	.06078	.27245
#1	4315.9	60592.	4336.1
#2	4326.0	60540.	4319.5

Sample Name: 280-27131-A-1-B MS Acquired: 4/2/2012 14:29:43 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05413**	**2.1293**	**1.1064**	**1.2019**	**2.0812**	**.05244**	**2.1510**	**145.03**	**.11036**	**.49934**
Stddev	.00042	.0077	.0071	.0004	.0111	.00037	.0015	.77	.00007	.00021
%RSD	.77875	.36136	.64155	.03130	.53539	.70297	.07157	.53319	.06064	.04269
#1	.05443	2.1238	1.1115	1.2016	2.0733	.05218	2.1500	144.48	.11031	.49949
#2	.05383	2.1347	1.1014	1.2022	2.0891	.05270	2.1521	145.58	.11041	.49919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20471**	**.27544**	**1.0766**	**59.437**	**1.1650**	**75.238**	**.51957**	**1.0283**	**164.90**	**.51481**
Stddev	.00041	.00046	.0025	.332	.0065	.013	.00016	.0013	.83	.00076
%RSD	.20194	.16790	.23298	.55931	.56147	.01685	.03133	.12737	.50346	.14701
#1	.20500	.27577	1.0749	59.202	1.1604	75.247	.51969	1.0293	164.32	.51534
#2	.20442	.27511	1.0784	59.672	1.1696	75.229	.51946	1.0274	165.49	.51427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.449**	**.51230**	**42.955**	**.54642**	**2.2582**	**24.511**	**2.0056**	**1.8379**	**1.0159**	**1.0267**
Stddev	.001	.00059	.022	.00208	.0056	.092	.0003	.0099	.0070	.0007
%RSD	.00556	.11497	.05101	.38049	.24705	.37730	.01342	.54059	.69110	.07082
#1	11.449	.51188	42.940	.54495	2.2542	24.446	2.0054	1.8309	1.0209	1.0272
#2	11.448	.51272	42.971	.54789	2.2621	24.577	2.0058	1.8450	1.0110	1.0262
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9902**	**2.0592**	**.52357**	**.51702**	**.49838**
Stddev	.0040	.0152	.00035	.00184	.00514
%RSD	.20180	.73662	.06741	.35676	1.0321
#1	1.9930	2.0485	.52382	.51572	.49475
#2	1.9873	2.0700	.52332	.51833	.50202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4160.4**	**57636.**	**4342.4**
Stddev	2.1	39.	6.3
%RSD	.05067	.06751	.14524
#1	4161.9	57663.	4346.9
#2	4158.9	57608.	4337.9

Sample Name: 280-27131-A-1-C MSD Acquired: 4/2/2012 14:31:58 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05291**	**2.1207**	**1.1048**	**1.2001**	**2.0797**	**.05247**	**2.1405**	**144.39**	**.11033**	**.49775**
Stddev	.00055	.0072	.0003	.0002	.0033	.00002	.0006	.24	.00011	.00017
%RSD	1.0454	.34118	.02729	.01574	.16073	.03175	.02956	.16953	.10123	.03354
#1	.05252	2.1156	1.1046	1.2000	2.0820	.05245	2.1400	144.57	.11041	.49786
#2	.05330	2.1258	1.1050	1.2002	2.0773	.05248	2.1409	144.22	.11025	.49763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20392**	**.27476**	**1.0632**	**59.491**	**1.1653**	**74.801**	**.51794**	**1.0282**	**164.83**	**.51301**
Stddev	.00028	.00000	.0026	.042	.0038	.186	.00160	.0001	.24	.00067
%RSD	.13959	.00091	.24298	.07005	.32899	.24819	.30848	.00701	.14603	.13128
#1	.20372	.27476	1.0614	59.521	1.1626	74.932	.51907	1.0282	165.00	.51349
#2	.20412	.27476	1.0650	59.462	1.1680	74.669	.51681	1.0281	164.66	.51254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.410**	**.51085**	**42.620**	**.54231**	**2.2482**	**24.517**	**1.9957**	**1.8398**	**1.0063**	**1.0213**
Stddev	.000	.00102	.016	.00104	.0121	.105	.0029	.0027	.0101	.0017
%RSD	.00104	.19913	.03852	.19115	.53895	.43003	.14783	.14452	1.0003	.16867
#1	11.410	.51157	42.608	.54157	2.2396	24.591	1.9937	1.8417	1.0134	1.0225
#2	11.410	.51014	42.631	.54304	2.2568	24.442	1.9978	1.8379	.99917	1.0201
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9908**	**2.0796**	**.52002**	**.51391**	**.50326**
Stddev	.0001	.0305	.00232	.00142	.00217
%RSD	.00707	1.4680	.44617	.27584	.43134
#1	1.9909	2.0580	.52166	.51492	.50173
#2	1.9907	2.1012	.51838	.51291	.50480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4155.7**	**57853.**	**4343.1**
Stddev	4.5	7.	12.8
%RSD	.10710	.01284	.29560
#1	4152.6	57858.	4334.0
#2	4158.9	57848.	4352.2

Sample Name: 280-27131-A-2-A Acquired: 4/2/2012 14:34:13 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00145**	**.00192**	**.00036**	**.29256**	**.00812**	**.00003**	**-.00405**	**44.915**	**-.00001**	**-.00001**
Stddev	.00021	.00030	.00202	.00046	.00038	.00009	.00101	.112	.00006	.00021
%RSD	14.315	15.763	564.20	.15628	4.7194	305.03	24.971	.24898	802.47	1518.8
#1	-.00131	.00170	-.00107	.29289	.00839	.00009	-.00476	44.994	-.00005	.00013
#2	-.00160	.00213	.00178	.29224	.00785	-.00003	-.00333	44.836	.00004	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00223**	**.00598**	**.10125**	**3.7947**	**.08945**	**4.0474**	**.07538**	**.17795**	**129.40**	**.00123**
Stddev	.00011	.00011	.00178	.0574	.00028	.0072	.00012	.00015	.04	.00004
%RSD	4.8580	1.8374	1.7589	1.5126	.31637	.17805	.15700	.08645	.03058	3.2241
#1	.00215	.00590	.10251	3.8353	.08965	4.0525	.07547	.17784	129.43	.00126
#2	.00230	.00606	.09999	3.7541	.08925	4.0423	.07530	.17806	129.38	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04809**	**.00099**	**54.173**	**-.00053**	**.00029**	**18.087**	**.00059**	**.36581**	**-.00876**	**-.00070**
Stddev	.00058	.00098	.061	.00141	.00035	.074	.00166	.00039	.00066	.00010
%RSD	1.2150	99.793	.11337	265.79	120.55	.40751	282.15	.10617	7.5103	14.587
#1	.04768	.00168	54.130	.00047	.00053	18.139	-.00058	.36609	-.00923	-.00077
#2	.04851	.00029	54.217	-.00153	.00004	18.035	.00176	.36554	-.00830	-.00063
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00589**	**.01186**	**.00147**	**.00767**	**-.00154**
Stddev	.00164	.01679	.00020	.00005	.00128
%RSD	27.774	141.64	13.883	.63346	83.256
#1	.00473	-.00002	.00133	.00770	-.00245
#2	.00705	.02373	.00161	.00763	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4279.5**	**59347.**	**4398.1**
Stddev	6.1	130.	18.2
%RSD	.14184	.21950	.41463
#1	4283.8	59439.	4385.3
#2	4275.2	59255.	4411.0

Sample Name: CCVH-1338467 Acquired: 4/2/2012 14:36:40 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**50.756**	**-.00172**	**.00360**	**-.00043**	**.00008**	**1.0398**	**.01257**	**-.00180**	**.00214**	**.00051**	**.00430**	**51.811**
Stddev	.00002	.076	.00155	.00020	.00012	.00012	.0077	.00749	.00002	.00004	.00002	.00021	.083
%RSD	2.4368	.15059	90.249	5.6437	27.365	150.76	.74229	59.559	1.2943	1.8849	4.2829	4.9360	.16008
#1	.00084	50.701	-.00281	.00345	-.00051	.00016	1.0343	.01787	-.00181	.00216	.00052	.00445	51.870
#2	.00087	50.810	-.00062	.00374	-.00034	-.00001	1.0453	.00728	-.00178	.00211	.00049	.00415	51.753
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02412**	**.00285**	**-.04594**	**-.00115**	**-.00087**	**257.19**	**.00206**	**.00354**	**.00055**	**5.4209**	**-.00715**	**-.00823**	**.00000**
Stddev	.00754	.00061	.00277	.00003	.00003	.23	.00015	.00200	.00271	.0042	.00089	.00043	.00987
%RSD	31.258	21.433	6.0288	2.3629	3.0468	.08934	7.1934	56.669	490.36	.07777	12.464	5.2252	519390.
#1	-.01879	.00242	-.04790	-.00117	-.00085	257.02	.00195	.00495	-.00137	5.4239	-.00652	-.00853	.00698
#2	-.02945	.00328	-.04398	-.00113	-.00089	257.35	.00216	.00212	.00247	5.4180	-.00778	-.00792	-.00698
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00254**	**.00034**	**4.9676**	**.00316**	**.00219**	**10.168**	**.00786**	**.00240**	**-.02810**
Stddev	.00026	.00002	.0095	.00009	.00207	.042	.00008	.00019	.00388
%RSD	10.044	5.1766	.19061	2.6999	94.423	.41558	1.0119	7.8017	13.799
#1	.00236	.00032	4.9609	.00322	.00365	10.138	.00792	.00227	-.03084
#2	.00272	.00035	4.9743	.00310	.00073	10.198	.00781	.00253	-.02536
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4247.5**	**58961.**	**4311.3**
Stddev	7.8	43.	19.7
%RSD	.18464	.07329	.45794
#1	4253.0	58991.	4297.3
#2	4241.9	58930.	4325.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 14:39:05 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52098**	F **.56742**	**1.0556**	**.53734**	**.50512**	**.51020**	**.00150**	**5.1160**	**.52868**	**.51234**	**.50593**	**.53570**
Stddev	.00043	.00694	.0050	.00170	.00002	.00001	.00254	.0025	.00104	.00077	.00035	.00074
%RSD	.08168	1.2225	.47477	.31639	.00396	.00283	169.60	.04871	.19748	.15014	.06943	.13887
#1	.52128	.57232	1.0591	.53855	.50513	.51021	.00330	5.1177	.52942	.51288	.50618	.53622
#2	.52068	.56251	1.0520	.53614	.50510	.51019	-.00030	5.1142	.52794	.51179	.50569	.53517
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5573**	**51.909**	**1.0322**	**21.184**	**.51012**	**.50803**	**5.0473**	**.52249**	**1.0714**	**1.0504**	**.01361**	**1.0712**
Stddev	.0008	.057	.0014	.020	.00007	.00052	.0037	.00050	.0065	.0046	.02828	.0018
%RSD	.02932	.10973	.13118	.09226	.01447	.10233	.07436	.09547	.60175	.44154	207.87	.17152
#1	2.5579	51.949	1.0332	21.170	.51007	.50839	5.0446	.52214	1.0760	1.0536	.03361	1.0699
#2	2.5568	51.869	1.0313	21.197	.51017	.50766	5.0499	.52284	1.0669	1.0471	-.00639	1.0725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0984**	**5.1393**	**1.0115**	**.51635**	**-.00701**	**.50052**	**1.0755**	**.00450**	**.49574**	**.51318**	**.50821**
Stddev	.0024	.0344	.0010	.00048	.00131	.00109	.0050	.01967	.00094	.00022	.00070
%RSD	.21618	.66919	.09744	.09366	18.649	.21687	.46974	437.27	.18864	.04215	.13711
#1	1.0967	5.1150	1.0122	.51601	-.00793	.49975	1.0790	.01841	.49640	.51303	.50771
#2	1.1001	5.1636	1.0108	.51669	-.00608	.50129	1.0719	-.00941	.49508	.51334	.50870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4335.8**	**60447.**	**4390.0**
Stddev	1.5	233.	.9
%RSD	.03345	.38532	.02022
#1	4336.8	60611.	4390.6
#2	4334.8	60282.	4389.4

Sample Name: CCB Acquired: 4/2/2012 14:41:22 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**-.00099**	**.00098**	**.00153**	**-.00049**	**.00011**	**-.00385**	**.00249**	**.00031**	**-.00009**
Stddev	.00041	.00038	.00084	.00065	.00033	.00009	.00125	.00128	.00005	.00028
%RSD	84.046	38.202	85.790	42.866	67.095	79.436	32.548	51.253	15.743	331.55
#1	-.00020	-.00126	.00038	.00199	-.00073	.00018	-.00474	.00339	.00034	.00011
#2	-.00079	-.00073	.00157	.00106	-.00026	.00005	-.00297	.00159	.00027	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00125**	**-.00142**	**-.03807**	**.00240**	W **-.02003**	F **-.00055**	**.00094**	**-.07484**	**-.00023**
Stddev	.00014	.00038	.00325	.03788	.00069	.00066	.00005	.00023	.00176	.00006
%RSD	75.017	30.616	229.51	99.495	28.613	3.3016	9.5415	24.051	2.3548	25.034
#1	-.00029	.00152	-.00372	-.01129	.00191	-.01957	-.00058	.00078	-.07609	-.00019
#2	-.00009	.00098	.00088	-.06486	.00288	-.02050	-.00051	.00110	-.07360	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.01070	.00051			
Low Limit						-.01070	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.00079**	**-.00606**	W **.00478**	**-.00127**	**.00276**	**.00028**	**.00016**	**-.00630**	**-.00029**
Stddev	.00178	.00016	.00146	.00209	.00250	.00051	.00027	.00003	.00010	.00005
%RSD	138.45	20.096	24.029	43.679	197.31	18.537	95.719	16.230	1.5158	17.711
#1	-.00003	.00068	-.00709	.00330	.00050	.00312	.00009	.00014	-.00624	-.00032
#2	-.00255	.00090	-.00503	.00625	-.00304	.00240	.00047	.00018	-.00637	-.00025
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00191**	**-.00818**	**-.00102**	**.00183**	**-.00116**
Stddev	.00010	.02984	.00108	.00006	.00289
%RSD	5.1929	364.70	105.90	3.2078	249.35
#1	-.00198	-.02928	-.00026	.00187	-.00320
#2	-.00184	.01292	-.00179	.00179	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4282.4**	**60934.**	**4284.7**
Stddev	10.0	50.	4.0
%RSD	.23342	.08195	.09425
#1	4275.3	60899.	4281.8
#2	4289.5	60969.	4287.5

Sample Name: CCVL1341782 Acquired: 4/2/2012 14:43:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00918**	**.11426**	**.01739**	**.10458**	**.00956**	**.00115**	**.11177**	**.20370**	**.00565**	**.01040**	**.01036**
Stddev	.00051	.00080	.00049	.00062	.00014	.00006	.00259	.00366	.00015	.00000	.00005
%RSD	5.5229	.70121	2.8305	.59652	1.5156	4.9727	2.3195	1.7985	2.6869	.01078	.51749
#1	.00882	.11370	.01773	.10414	.00966	.00111	.10994	.20629	.00575	.01040	.01040
#2	.00954	.11483	.01704	.10502	.00946	.00119	.11361	.20111	.00554	.01040	.01032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01850**	**.10424**	**3.0459**	W **.01297**	**.19498**	**.01001**	**.02026**	**.96052**	**.04255**	**3.1011**	**.01050**
Stddev	.00015	.00296	.0002	.00133	.00065	.00001	.00005	.00576	.00063	.0034	.00123
%RSD	.79571	2.8374	.00762	10.257	.33295	.08323	.26576	.60009	1.4733	.10856	11.721
#1	.01860	.10633	3.0457	.01203	.19452	.01001	.02030	.95645	.04299	3.0987	.00963
#2	.01840	.10215	3.0461	.01391	.19543	.01002	.02022	.96460	.04210	3.1035	.01137
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00280**	**.01027**	**.01416**	**.51037**	**.10249**	**.01057**	F **.00826**	**.00931**	**.01598**	**.07113**	**.00936**
Stddev	.00119	.00205	.00008	.00146	.00033	.00020	.00044	.00031	.00146	.00046	.00032
%RSD	42.526	19.932	.52992	.28629	.32212	1.8648	5.2960	3.3397	9.1551	.65012	3.4076
#1	-.00364	.00882	.01411	.50934	.10226	.01071	.00795	.00953	.01495	.07080	.00914
#2	-.00196	.01172	.01422	.51141	.10272	.01043	.00857	.00909	.01702	.07145	.00959
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.01500				
Range							-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02264**	**.01506**
Stddev	.00040	.00181
%RSD	1.7683	12.002
#1	.02236	.01634
#2	.02293	.01379
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4363.6**	**61677.**	**4369.7**
Stddev	3.8	225.	.5
%RSD	.08648	.36474	.01234
#1	4361.0	61836.	4370.1
#2	4366.3	61518.	4369.3

Sample Name: MB 280-113604/1-B Acquired: 4/2/2012 14:46:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.00524**	**.00374**	**-.00046**	W **-.00069**	**.00012**	**-.00151**	**.00031**	**.00011**	**.00002**
Stddev	.00029	.00650	.00240	.00032	.00035	.00005	.00076	.00138	.00002	.00021
%RSD	36.620	124.06	64.058	68.362	49.948	42.892	50.418	447.91	15.954	948.39
#1	-.00098	.00984	.00544	-.00069	-.00094	.00015	-.00097	.00128	.00010	.00017
#2	-.00058	.00064	.00205	-.00024	-.00045	.00008	-.00204	-.00067	.00012	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	W **.00179**	**.00079**	**-.07600**	**.00174**	W **-.02158**	W **-.00054**	**.00007**	W **-.10829**	**.00038**
Stddev	.00011	.00023	.00373	.02531	.00122	.00249	.00000	.00019	.00589	.00020
%RSD	414.84	12.711	469.41	33.302	70.336	11.528	.08551	283.53	5.4385	53.565
#1	.00005	.00195	-.00184	-.05810	.00260	-.02334	-.00054	-.00007	-.10412	.00052
#2	-.00010	.00163	.00343	-.09389	.00087	-.01982	-.00054	.00020	-.11245	.00023
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit		.00136				.01070	.00025		.09160	
Low Limit		-.00136				-.01070	-.00025		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**.00019**	**.00810**	**.00077**	**-.00425**	**.00749**	**.00016**	**.00010**	W **-.00675**	**-.00036**
Stddev	.00085	.00024	.01185	.00026	.00109	.02731	.00077	.00009	.00130	.00012
%RSD	24.822	127.31	146.29	33.634	25.633	364.56	472.28	91.643	19.185	32.598
#1	.00404	.00036	.01648	.00096	-.00501	-.01182	.00071	.00004	-.00584	-.00028
#2	.00284	.00002	-.00028	.00059	-.00348	.02680	-.00038	.00017	-.00767	-.00045
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00495	
Low Limit									-.00495	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**-.01138**	**-.00062**	**.00265**	**.00031**
Stddev	.00216	.01399	.00025	.00028	.00065
%RSD	269.38	122.96	40.296	10.403	211.10
#1	-.00233	-.02127	-.00045	.00245	.00076
#2	.00073	-.00149	-.00080	.00284	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4401.3**	**62226.**	**4411.3**
Stddev	2.7	106.	5.7
%RSD	.06127	.16975	.12920
#1	4399.4	62300.	4407.3
#2	4403.2	62151.	4415.4

Sample Name: LCS 280-113604/2-B Acquired: 4/2/2012 14:48:57 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05206**	**2.1355**	**1.0656**	**1.0799**	**2.0271**	**.05160**	**2.1428**	**50.714**	**.10821**	**.49750**
Stddev	.00052	.0138	.0006	.0046	.0060	.00001	.0066	.078	.00003	.00029
%RSD	.98940	.64722	.05756	.42352	.29558	.02831	.30913	.15311	.02527	.05868
#1	.05170	2.1257	1.0660	1.0767	2.0229	.05161	2.1381	50.659	.10823	.49771
#2	.05243	2.1452	1.0651	1.0832	2.0314	.05159	2.1475	50.769	.10819	.49729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20046**	**.26911**	**1.0191**	**52.520**	**1.0370**	**52.309**	**.51291**	**1.0121**	**51.292**	**.51493**
Stddev	.00026	.00068	.0034	.217	.0005	.086	.00099	.0000	.005	.00053
%RSD	.12823	.25348	.32904	.41307	.04796	.16422	.19218	.00326	.01013	.10274
#1	.20028	.26959	1.0168	52.367	1.0367	52.370	.51361	1.0121	51.296	.51456
#2	.20064	.26863	1.0215	52.673	1.0374	52.248	.51222	1.0121	51.289	.51530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.023**	**.51525**	**.00139**	**.53491**	F **2.2128**	**10.285**	**1.9893**	**1.0440**	**.99112**	**1.0042**
Stddev	.004	.00218	.00106	.00360	.0047	.045	.0032	.0032	.00034	.0009
%RSD	.03280	.42230	76.152	.67241	.21261	.43314	.16084	.31134	.03475	.09365
#1	11.021	.51372	.00064	.53237	2.2161	10.254	1.9870	1.0417	.99136	1.0049
#2	11.026	.51679	.00214	.53745	2.2094	10.317	1.9916	1.0463	.99087	1.0035
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					2.2000					
Low Limit					1.8000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0690**	**2.0655**	**.50289**	**.50812**	**.49578**
Stddev	.0034	.0458	.00004	.00252	.00544
%RSD	.16504	2.2195	.00845	.49585	1.0982
#1	2.0666	2.0979	.50286	.50990	.49193
#2	2.0714	2.0331	.50292	.50634	.49963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4247.8**	**59350.**	**4373.7**
Stddev	8.3	402.	1.4
%RSD	.19428	.67685	.03117
#1	4241.9	59066.	4372.8
#2	4253.6	59634.	4374.7

Sample Name: 280-27101-C-1-B Acquired: 4/2/2012 14:51:13 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.00973**	**.00582**	**1.8707**	**.16372**	**.00004**	**.00046**	**145.77**	**.00022**	**.00684**
Stddev	.00060	.00153	.00046	.0028	.00085	.00001	.00127	.26	.00009	.00002
%RSD	59.638	15.763	7.8500	.14773	.52177	28.080	273.93	.17509	40.097	.33402
#1	-.00143	.00865	.00550	1.8687	.16432	.00005	-.00043	145.95	.00016	.00682
#2	-.00058	.01082	.00615	1.8726	.16311	.00003	.00136	145.59	.00028	.00686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.01886**	**.03993**	**50.787**	**.00422**	**76.288**	**.01062**	**.00736**	**291.94**	**.04017**
Stddev	.00000	.00066	.00018	.049	.00026	.148	.00004	.00065	.28	.00012
%RSD	.24069	3.5028	.44073	.09716	6.2121	.19356	.37272	8.8332	.09690	.29639
#1	.00139	.01839	.04005	50.822	.00440	76.392	.01065	.00690	292.14	.04008
#2	.00139	.01933	.03980	50.752	.00403	76.183	.01059	.00782	291.74	.04025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41062**	**.00059**	**71.892**	**-.00097**	**-.00250**	**8.5603**	**.00026**	**.90923**	**-.00756**	**.00073**
Stddev	.00122	.00094	.075	.00229	.00179	.0309	.00033	.00145	.00010	.00013
%RSD	.29701	158.46	.10373	236.58	71.533	.36105	125.46	.15981	1.3863	17.533
#1	.40975	.00126	71.840	.00065	-.00124	8.5822	.00003	.91025	-.00749	.00064
#2	.41148	-.00007	71.945	-.00259	-.00376	8.5385	.00049	.90820	-.00763	.00082
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00536**	**-.00856**	**.00435**	**.01290**	**.00015**
Stddev	.00111	.00907	.00041	.00005	.00187
%RSD	20.718	105.94	9.3579	.35328	1224.2
#1	.00457	-.01497	.00406	.01287	-.00117
#2	.00614	-.00215	.00464	.01293	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4105.0**	**57168.**	**4354.2**
Stddev	1.5	82.	15.1
%RSD	.03616	.14379	.34772
#1	4106.1	57110.	4364.9
#2	4104.0	57226.	4343.5

Sample Name: 280-27101-C-2-B Acquired: 4/2/2012 14:53:42 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.00959**	**.00320**	**1.5796**	**.10437**	**.00001**	**-.00248**	**154.44**	**.00050**	**.00718**
Stddev	.00087	.00017	.00442	.0002	.00025	.00004	.00101	.23	.00006	.00014
%RSD	57.635	1.7508	138.19	.01193	.23858	330.25	40.709	.14599	12.540	1.9917
#1	-.00214	.00947	.00633	1.5794	.10454	-.00002	-.00319	154.60	.00045	.00729
#2	-.00090	.00971	.00007	1.5797	.10419	.00004	-.00176	154.28	.00054	.00708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00212**	**.02780**	**.04988**	**36.165**	**.00794**	**91.985**	**.01614**	**.00393**	**339.55**	**.07676**
Stddev	.00034	.00041	.00007	.113	.00008	.011	.00003	.00017	.77	.00037
%RSD	15.995	1.4839	.14828	.31160	1.0200	.01239	.18383	4.3785	.22580	.47995
#1	.00236	.02809	.04994	36.244	.00800	91.977	.01616	.00381	340.09	.07650
#2	.00188	.02751	.04983	36.085	.00788	91.993	.01612	.00406	339.00	.07702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48400**	**-.00063**	**79.380**	**-.00036**	**-.00281**	**8.1027**	**.00057**	**.90785**	W **-.01004**	**.00076**
Stddev	.00180	.00005	.116	.00328	.00664	.0126	.00028	.00190	.00141	.00015
%RSD	.37137	7.2706	.14581	900.39	236.47	.15494	48.196	.20910	14.082	20.059
#1	.48528	-.00066	79.462	-.00268	.00189	8.1115	.00077	.90919	-.01104	.00065
#2	.48273	-.00059	79.298	.00195	-.00750	8.0938	.00038	.90651	-.00904	.00086
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									45.000	
Low Limit									-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00309**	**.00624**	**.00903**	**.00119**
Stddev	.00076	.01402	.00043	.00006	.00142
%RSD	450.72	454.40	6.9033	.69231	119.16
#1	.00037	-.00683	.00655	.00899	.00019
#2	-.00071	.01300	.00594	.00908	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4079.4**	**56592.**	**4346.3**
Stddev	7.4	66.	11.5
%RSD	.18253	.11575	.26504
#1	4084.6	56546.	4338.2
#2	4074.1	56638.	4354.4

Sample Name: 280-27101-C-3-B Acquired: 4/2/2012 14:56:16 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.00745**	**.00612**	**.68957**	**.07645**	**-.00002**	**-.00488**	**156.79**	**.00037**	**.00117**
Stddev	.00033	.00047	.00135	.00106	.00070	.00003	.00052	.22	.00001	.00016
%RSD	41.867	6.2818	22.042	.15441	.91584	133.45	10.581	.14260	1.5342	13.636
#1	-.00101	.00778	.00707	.68882	.07595	-.00005	-.00452	156.95	.00036	.00128
#2	-.00055	.00712	.00516	.69032	.07694	.00000	-.00525	156.63	.00037	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.02130**	**.04418**	**34.707**	**.02253**	**85.110**	**.03892**	**.00593**	**434.92**	**.02859**
Stddev	.00021	.00033	.00000	.168	.00013	.002	.00009	.00021	.37	.00001
%RSD	19.877	1.5458	.00435	.48333	.58644	.00204	.22860	3.5119	.08600	.04263
#1	.00091	.02153	.04419	34.826	.02244	85.111	.03898	.00578	435.18	.02860
#2	.00121	.02106	.04418	34.589	.02262	85.108	.03886	.00607	434.66	.02858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.83702**	**-.00077**	**125.73**	**.00234**	**-.00265**	**10.654**	**-.00016**	**.79498**	**-.00913**	**.00070**
Stddev	.00109	.00033	.06	.00271	.00800	.051	.00097	.00120	.00013	.00036
%RSD	.13064	42.121	.04915	115.54	302.14	.47442	601.71	.15096	1.4030	51.271
#1	.83624	-.00100	125.78	.00426	-.00831	10.689	-.00085	.79583	-.00904	.00045
#2	.83779	-.00054	125.69	.00043	.00301	10.618	.00053	.79413	-.00922	.00096
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.02316**	**.00991**	**.00844**	**-.00097**
Stddev	.00003	.01737	.00032	.00028	.00072
%RSD	2.5275	74.981	3.2044	3.3255	74.823
#1	-.00101	.03544	.00968	.00824	-.00148
#2	-.00098	.01088	.01013	.00864	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4056.3**	**56381.**	**4312.4**
Stddev	2.1	20.	25.0
%RSD	.05241	.03460	.57894
#1	4054.8	56368.	4294.7
#2	4057.8	56395.	4330.0

Sample Name: 280-27101-C-4-B Acquired: 4/2/2012 14:58:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00121**	**.02994**	**.00165**	**.16541**	**.04379**	**.00006**	**-.00338**	**64.264**	**.00016**	**.00020**
Stddev	.00060	.00168	.00155	.00144	.00016	.00006	.00224	.116	.00004	.00003
%RSD	49.862	5.6151	93.706	.87184	.36042	106.11	66.388	.18083	26.656	16.794
#1	-.00078	.02876	.00275	.16643	.04390	.00010	-.00179	64.346	.00013	.00018
#2	-.00164	.03113	.00056	.16439	.04367	.00001	-.00497	64.182	.00019	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**.00998**	**.06326**	**11.772**	**.00576**	**25.242**	**.00366**	**.00471**	**50.151**	**.00957**
Stddev	.00004	.00002	.00111	.011	.00015	.032	.00002	.00027	.131	.00005
%RSD	1.9558	.19230	1.7540	.09755	2.5411	.12839	.48378	5.8293	.26162	.54551
#1	.00183	.01000	.06248	11.780	.00586	25.219	.00367	.00452	50.058	.00961
#2	.00188	.00997	.06405	11.764	.00566	25.265	.00365	.00491	50.243	.00954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64060**	**.00130**	**37.569**	**.00014**	**-.00123**	**11.235**	**-.00013**	**.34008**	**-.00683**	**.00183**
Stddev	.00399	.00067	.013	.00034	.00045	.004	.00029	.00066	.00003	.00041
%RSD	.62236	51.634	.03398	242.23	36.971	.03809	219.23	.19531	.44467	22.584
#1	.64342	.00083	37.560	.00038	-.00091	11.238	.00007	.34055	-.00685	.00154
#2	.63778	.00178	37.578	-.00010	-.00155	11.232	-.00034	.33961	-.00681	.00212
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.01345**	**.00426**	**.00615**	**-.00228**
Stddev	.00008	.03942	.00027	.00004	.00042
%RSD	14.001	292.95	6.3141	.72495	18.328
#1	.00064	-.04133	.00407	.00618	-.00198
#2	.00053	.01442	.00445	.00612	-.00257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4279.9**	**59854.**	**4403.7**
Stddev	3.8	88.	5.2
%RSD	.08948	.14690	.11877
#1	4277.2	59916.	4407.4
#2	4282.6	59792.	4400.0

Sample Name: sd 280-27101-C-4-B@5 Acquired: 4/2/2012 15:01:18 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00132**	**.00593**	**.00181**	**.03410**	**.00829**	**.00015**	**-.00447**	**13.175**	**.00012**	**-.00016**
Stddev	.00019	.00106	.00418	.00057	.00023	.00004	.00131	.029	.00001	.00004
%RSD	14.734	17.823	230.62	1.6651	2.7812	26.967	29.349	.22243	7.1341	25.261
#1	-.00118	.00668	-.00114	.03369	.00845	.00012	-.00354	13.154	.00012	-.00013
#2	-.00145	.00518	.00477	.03450	.00812	.00017	-.00539	13.196	.00011	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.00346**	**.01826**	**2.3166**	**.00273**	**5.1277**	**.00036**	**.00059**	F **10.007**	**10.227**
Stddev	.00005	.00018	.00139	.0053	.00046	.0065	.00001	.00004	.002	.243
%RSD	5.6914	5.3468	7.6312	.22722	16.963	.12584	3.1785	6.9962	.01795	2.3756
#1	.00085	.00332	.01727	2.3128	.00306	5.1322	.00035	.00062	10.006	10.399
#2	.00078	.00359	.01924	2.3203	.00241	5.1231	.00037	.00056	10.008	10.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10.000	
Low Limit									-1.0000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00233**	**.12556**	**.00048**	**7.2504**	**-.00009**	**-.00281**	**2.2363**	**-.00039**	**.06940**	**-.00870**
Stddev	.00025	.00184	.00093	.0123	.00085	.00209	.0081	.00035	.00006	.00110
%RSD	10.931	1.4623	193.70	.16924	924.10	74.331	.36326	90.510	.08181	12.589
#1	.00215	.12686	-.00018	7.2590	-.00069	-.00133	2.2305	-.00014	.06936	-.00948
#2	.00251	.12426	.00114	7.2417	.00051	-.00429	2.2420	-.00064	.06944	-.00793
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00024**	**-.01699**	**.00025**	**.00323**	**-.00149**
Stddev	.00007	.00139	.00778	.00031	.00026	.00025
%RSD	123.39	567.72	45.764	125.97	8.1400	16.885
#1	-.00001	.00123	-.01149	.00047	.00304	-.00166
#2	-.00010	-.00074	-.02249	.00003	.00341	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4352.7**	**61444.**	**4391.8**
Stddev	3.1	345.	15.6
%RSD	.07011	.56104	.35427
#1	4354.8	61200.	4402.8
#2	4350.5	61688.	4380.8

Sample Name: 280-27101-C-4-C MS Acquired: 4/2/2012 15:03:48 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05180**	**2.1221**	**1.0744**	**1.2284**	**2.0598**	**.05138**	**2.1146**	**114.34**	**.10761**	**.49202**
Stddev	.00003	.0223	.0117	.0032	.0037	.00024	.0077	.24	.00059	.00272
%RSD	.05349	1.0524	1.0879	.26191	.18134	.47565	.36580	.20791	.54989	.55192
#1	.05182	2.1063	1.0661	1.2261	2.0572	.05121	2.1092	114.17	.10719	.49010
#2	.05178	2.1379	1.0826	1.2306	2.0625	.05155	2.1201	114.50	.10803	.49394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20048**	**.27786**	**1.0797**	**64.467**	**1.0366**	**76.332**	**.50936**	**1.0100**	**100.91**	**.51400**
Stddev	.00022	.00018	.0046	.212	.0057	.164	.00105	.0039	.07	.00218
%RSD	.10764	.06421	.43012	.32828	.55082	.21477	.20552	.38183	.07399	.42450
#1	.20033	.27798	1.0764	64.318	1.0325	76.448	.51010	1.0073	100.96	.51246
#2	.20063	.27773	1.0830	64.617	1.0406	76.216	.50862	1.0128	100.86	.51554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.806**	**.50405**	**37.310**	**.53531**	**2.1926**	**21.433**	**1.9633**	**1.3737**	**.99035**	**1.0077**
Stddev	.071	.00290	.176	.00307	.0019	.018	.0091	.0025	.00440	.0028
%RSD	.60154	.57541	.47190	.57370	.08616	.08406	.46231	.18285	.44465	.27688
#1	11.756	.50200	37.186	.53314	2.1912	21.420	1.9569	1.3720	.99347	1.0097
#2	11.856	.50610	37.435	.53748	2.1939	21.446	1.9697	1.3755	.98724	1.0058
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9871**	**2.0173**	**.50633**	**.49974**	**.49180**
Stddev	.0102	.0040	.00071	.00104	.00237
%RSD	.51200	.19900	.13980	.20789	.48253
#1	1.9799	2.0144	.50683	.49901	.49012
#2	1.9943	2.0201	.50583	.50047	.49348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4230.1**	**59050.**	**4409.8**
Stddev	12.8	133.	.4
%RSD	.30147	.22489	.00849
#1	4239.2	58956.	4409.5
#2	4221.1	59144.	4410.1

Sample Name: 280-27101-C-4-D MSD Acquired: 4/2/2012 15:06:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05314**	**2.1370**	**1.0828**	**1.2485**	**2.0872**	**.05214**	**2.1425**	**115.79**	**.10879**	**.49667**
Stddev	.00071	.0131	.0017	.0003	.0002	.00008	.0003	.17	.00014	.00032
%RSD	1.3394	.61139	.15405	.02211	.00963	.15729	.01597	.14499	.13159	.06430
#1	.05364	2.1277	1.0840	1.2483	2.0871	.05208	2.1428	115.67	.10869	.49644
#2	.05263	2.1462	1.0816	1.2487	2.0874	.05220	2.1423	115.91	.10889	.49689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20330**	**.28242**	**1.1563**	**65.353**	**1.0519**	**77.271**	**.51595**	**1.0255**	**102.45**	**.51927**
Stddev	.00000	.00005	.0017	.045	.0014	.090	.00015	.0007	.53	.00025
%RSD	.00044	.01780	.14740	.06838	.13133	.11707	.02825	.06896	.52102	.04810
#1	.20330	.28246	1.1575	65.384	1.0529	77.207	.51585	1.0260	102.08	.51945
#2	.20330	.28239	1.1551	65.321	1.0510	77.335	.51606	1.0250	102.83	.51909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.937**	**.50938**	**37.868**	**.54589**	**2.2085**	**21.770**	**1.9916**	**1.3935**	**1.0021**	**1.0241**
Stddev	.027	.00095	.016	.00065	.0116	.048	.0006	.0002	.0004	.0004
%RSD	.22680	.18651	.04322	.11986	.52457	.22195	.02748	.01165	.03480	.03660
#1	11.917	.50871	37.856	.54543	2.2003	21.736	1.9920	1.3934	1.0018	1.0238
#2	11.956	.51005	37.880	.54635	2.2167	21.805	1.9912	1.3936	1.0023	1.0244
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0153**	**2.0797**	**.51193**	**.50948**	**.50178**
Stddev	.0024	.0267	.00012	.00006	.00075
%RSD	.12079	1.2855	.02352	.01138	.14905
#1	2.0136	2.0608	.51185	.50944	.50231
#2	2.0170	2.0986	.51202	.50952	.50125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4233.4**	**58906.**	**4390.1**
Stddev	4.1	85.	42.0
%RSD	.09644	.14420	.95689
#1	4230.5	58966.	4419.8
#2	4236.2	58846.	4360.4

Sample Name: CCVH-1338467 Acquired: 4/2/2012 15:08:17 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**49.911**	**-.00052**	**.00604**	**-.00027**	**.00000**	**1.0278**	**.01379**	**-.00160**	**.00191**	**.00063**	**.00373**	**50.969**
Stddev	.00028	.004	.00118	.00009	.00041	.0000	.0047	.00058	.00002	.00002	.00020	.00018	.093
%RSD	38.316	.00777	226.21	1.5172	154.39	565.55	.45851	4.2276	1.2216	.82056	31.346	4.8618	.18212
#1	.00091	49.908	.00031	.00611	.00002	-.00002	1.0245	.01420	-.00158	.00190	.00077	.00361	50.904
#2	.00052	49.914	-.00136	.00598	-.00056	.00001	1.0312	.01337	-.00161	.00192	.00049	.00386	51.035
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00863**	**.00224**	**-.04046**	**-.00104**	**.00026**	**253.15**	**.00200**	**.00612**	**-.00029**	**5.3307**	**-.00659**	**-.00703**	**-.01562**
Stddev	.02581	.00089	.00704	.00005	.00001	.98	.00019	.00092	.00039	.0061	.00386	.00033	.01210
%RSD	299.01	39.887	17.394	4.5295	3.4785	.38709	9.7202	15.088	136.66	.11379	58.503	4.6523	77.487
#1	-.02688	.00161	-.04544	-.00101	.00025	253.84	.00186	.00677	-.00001	5.3349	-.00386	-.00726	-.02418
#2	.00962	.00287	-.03548	-.00107	.00026	252.45	.00213	.00547	-.00056	5.3264	-.00932	-.00680	-.00706
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	**.00040**	**4.9175**	**.00347**	**.00735**	**10.007**	**.00776**	**.00213**	**-.03018**
Stddev	.00035	.00000	.0094	.00018	.00018	.029	.00061	.00053	.00282
%RSD	7.9737	1.2296	.19079	5.1082	2.4620	.28535	7.8793	24.810	9.3450
#1	.00468	.00041	4.9241	.00360	.00722	9.9865	.00819	.00250	-.03218
#2	.00418	.00040	4.9108	.00335	.00748	10.027	.00733	.00175	-.02819
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4256.2**	**59103.**	**4370.0**
Stddev	5.4	200.	10.8
%RSD	.12621	.33867	.24761
#1	4252.4	58962.	4362.4
#2	4260.0	59245.	4377.7

Sample Name: CCV-1338469 Acquired: 4/2/2012 15:10:43 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51656**	F **.55430**	**1.0450**	**.53098**	**.50362**	**.50624**	**.00083**	**5.0878**	**.52260**	**.50890**	**.50187**	**.52821**
Stddev	.00000	.00639	.0075	.00137	.00033	.00004	.00172	.0031	.00055	.00029	.00164	.00184
%RSD	.00075	1.1523	.71594	.25839	.06526	.00841	205.88	.06093	.10467	.05711	.32726	.34906
#1	.51655	.54978	1.0397	.53195	.50339	.50627	.00205	5.0856	.52222	.50869	.50071	.52691
#2	.51656	.55881	1.0503	.53001	.50385	.50621	-.00038	5.0900	.52299	.50911	.50303	.52951
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5469**	**51.450**	**1.0253**	**20.877**	**.50442**	**.50371**	**5.0300**	**.51823**	**1.0588**	**1.0400**	**-.00421**	**1.0536**
Stddev	.0037	.085	.0010	.044	.00017	.00048	.0128	.00079	.0006	.0014	.00581	.0003
%RSD	.14540	.16532	.09571	.21050	.03385	.09593	.25517	.15153	.06144	.13544	137.93	.02463
#1	2.5443	51.390	1.0260	20.846	.50454	.50337	5.0391	.51768	1.0593	1.0410	-.00832	1.0537
#2	2.5495	51.510	1.0246	20.908	.50430	.50405	5.0209	.51879	1.0583	1.0390	-.00010	1.0534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0783**	**5.0962**	**1.0034**	**.51241**	**-.00484**	**.49627**	**1.0577**	**-.01611**	**.49244**	**.50755**	**.50156**
Stddev	.0044	.0252	.0005	.00030	.00205	.00118	.0019	.01301	.00057	.00007	.00138
%RSD	.40983	.49458	.05220	.05898	42.295	.23752	.17820	80.740	.11508	.01388	.27470
#1	1.0814	5.1140	1.0031	.51220	-.00629	.49544	1.0563	-.00691	.49204	.50760	.50254
#2	1.0752	5.0783	1.0038	.51263	-.00339	.49710	1.0590	-.02531	.49284	.50750	.50059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4343.9**	**60785.**	**4382.9**
Stddev	2.0	27.	9.1
%RSD	.04685	.04474	.20825
#1	4342.5	60766.	4376.4
#2	4345.4	60805.	4389.4

Sample Name: CCB Acquired: 4/2/2012 15:13:03 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00095**	**.00659**	**.00265**	F **.00341**	W **-.00063**	**.00013**	**-.00392**	**.00130**	**.00035**	**.00007**
Stddev	.00001	.01025	.00320	.00051	.00005	.00001	.00085	.00506	.00001	.00023
%RSD	1.3225	155.60	120.79	14.961	7.3246	8.5400	21.771	388.40	1.4275	305.66
#1	-.00094	-.00066	.00039	.00305	-.00059	.00012	-.00332	-.00228	.00035	-.00009
#2	-.00096	.01383	.00491	.00377	-.00066	.00013	-.00452	.00488	.00035	.00024
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312	.00058					
Low Limit	-.00093			-.00312	-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	W **.00173**	**-.00347**	**-.02529**	W **.00318**	W **-.01956**	F **-.00056**	**.00130**	**-.03677**	**-.00030**
Stddev	.00035	.00029	.00188	.00675	.00168	.00040	.00004	.00022	.00465	.00005
%RSD	203.87	16.472	54.137	26.683	52.924	2.0292	8.0401	16.759	12.649	15.033
#1	-.00008	.00194	-.00480	-.02052	.00199	-.01984	-.00059	.00114	-.03348	-.00033
#2	.00042	.00153	-.00214	-.03007	.00437	-.01928	-.00053	.00145	-.04006	-.00027
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136			.00261	.01070	.00051			
Low Limit		-.00136			-.00261	-.01070	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00010**	**.01292**	W **.00443**	W **-.00561**	**-.00365**	**.00090**	**.00005**	**-.00658**	W **-.00082**
Stddev	.00111	.00168	.02898	.00206	.00183	.01819	.00017	.00003	.00067	.00027
%RSD	104.21	1605.2	224.35	46.462	32.670	498.68	18.534	61.720	10.131	33.639
#1	.00185	-.00108	-.00757	.00589	-.00691	-.01651	.00078	.00003	-.00705	-.00062
#2	.00028	.00129	.03340	.00297	-.00432	.00922	.00101	.00007	-.00611	-.00101
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00314	.00486					.00060
Low Limit				-.00314	-.00486					-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**-.02848**	**-.00052**	**.00211**	**-.00171**
Stddev	.00080	.02515	.00028	.00015	.00033
%RSD	55.418	88.304	55.023	6.9422	19.531
#1	.00088	-.01070	-.00032	.00201	-.00148
#2	.00201	-.04626	-.00072	.00222	-.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4211.6**	**60710.**	**4304.6**
Stddev	13.8	227.	.4
%RSD	.32647	.37459	.00893
#1	4221.3	60870.	4304.4
#2	4201.9	60549.	4304.9

Sample Name: CCVL1341782 Acquired: 4/2/2012 15:15:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01016**	**.11320**	**.01753**	**.10515**	**.00917**	**.00102**	**.11347**	**.20011**	**.00566**	**.01056**	**.01013**	**.01790**
Stddev	.00001	.00112	.00056	.00010	.00017	.00008	.00539	.00003	.00017	.00030	.00021	.00006
%RSD	.06415	.98701	3.1893	.09784	1.8783	7.4045	4.7485	.01641	2.9563	2.8796	2.1076	.33407
#1	.01016	.11241	.01793	.10522	.00930	.00096	.11728	.20009	.00578	.01077	.00998	.01786
#2	.01015	.11399	.01714	.10508	.00905	.00107	.10966	.20013	.00554	.01034	.01029	.01794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09854**	**3.0070**	F **.01344**	**.19354**	**.00999**	**.01975**	**.95497**	**.04266**	**3.0867**	**.00944**	**-.00174**	**.01176**
Stddev	.00300	.0695	.00279	.00177	.00004	.00022	.01062	.00001	.0073	.00012	.00215	.00181
%RSD	3.0459	2.3106	20.770	.91319	.40125	1.1068	1.1117	.02660	.23478	1.2819	123.83	15.360
#1	.10066	2.9579	.01541	.19479	.01002	.01960	.94746	.04265	3.0815	.00936	-.00022	.01048
#2	.09642	3.0562	.01147	.19229	.00996	.01991	.96248	.04267	3.0918	.00953	-.00326	.01304
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000									
Range			30.000%									

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01048**	**.52607**	**.10222**	**.01044**	F **.00719**	**.00926**	**.01632**	**.05931**	**.00934**	**.02226**	**.01351**
Stddev	.00101	.00753	.00080	.00006	.00082	.00013	.00050	.00052	.00004	.00009	.00015
%RSD	9.6377	1.4310	.77961	.56467	11.389	1.3609	3.0644	.88188	.44773	.39316	1.0758
#1	.00977	.52075	.10166	.01048	.00661	.00917	.01667	.05968	.00937	.02220	.01341
#2	.01119	.53139	.10279	.01039	.00777	.00935	.01596	.05894	.00931	.02232	.01361
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500				.01500						
Range	-30.000%				-30.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4365.0**	**61733.**	**4300.6**
Stddev	3.5	82.	73.7
%RSD	.07983	.13266	1.7142
#1	4362.5	61675.	4248.5
#2	4367.4	61791.	4352.8

Sample Name: MB 280-113650/1-A Acquired: 4/2/2012 15:18:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00061**	**.00143**	**.00058**	**-.00073**	**.00011**	**-.00269**	**.00045**	**.00019**	**-.00022**
Stddev	.00028	.00083	.00154	.00044	.00004	.00009	.00071	.00182	.00003	.00007
%RSD	31.028	135.76	107.75	75.221	6.1407	82.303	26.587	406.71	17.478	34.280
#1	-.00070	.00002	.00252	.00027	-.00076	.00005	-.00218	-.00084	.00021	-.00017
#2	-.00110	.00120	.00034	.00089	-.00070	.00018	-.00319	.00174	.00017	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00137**	**-.00204**	**-.10875**	**.00166**	**-.01938**	**-.00058**	**.00006**	**-.08656**	**-.00009**
Stddev	.00005	.00012	.00332	.01828	.00090	.00130	.00005	.00006	.01389	.00001
%RSD	26.420	9.0682	162.56	16.810	54.104	6.7220	7.9764	94.743	16.047	6.3124
#1	-.00016	.00128	-.00439	-.12167	.00103	-.02030	-.00061	.00010	-.09639	-.00008
#2	-.00024	.00145	.00031	-.09582	.00230	-.01845	-.00055	.00002	-.07674	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00210**	**.00003**	**.00030**	**-.00292**	**.00622**	**.00008**	**.00021**	W **-.00656**	**-.00085**
Stddev	.00016	.00223	.00155	.00099	.00191	.00336	.00031	.00005	.00213	.00013
%RSD	26.066	106.05	5309.8	331.64	65.451	53.925	387.96	22.629	32.544	15.483
#1	.00072	-.00367	.00113	-.00040	-.00428	.00860	.00030	.00024	-.00806	-.00094
#2	.00050	-.00053	-.00107	.00100	-.00157	.00385	-.00014	.00017	-.00505	-.00076
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00500	
Low Limit									-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00184**	**-.00013**	**-.00010**	**.00275**	**-.00220**
Stddev	.00055	.00246	.00000	.00040	.00104
%RSD	29.578	1841.5	3.9276	14.586	47.045
#1	-.00223	-.00187	-.00009	.00247	-.00294
#2	-.00146	.00160	-.00010	.00304	-.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.4**	**62146.**	**4376.8**
Stddev	1.2	57.	15.0
%RSD	.02734	.09201	.34312
#1	4363.3	62186.	4387.5
#2	4361.6	62105.	4366.2

Sample Name: LCS 280-113650/2-A Acquired: 4/2/2012 15:20:38 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05096**	**2.1274**	**1.0502**	**1.0536**	**2.0295**	**.05145**	**2.1178**	**50.735**	**.10729**	**.49832**
Stddev	.00007	.0088	.0034	.0030	.0021	.00007	.0043	.066	.00011	.00078
%RSD	.13661	.41476	.32597	.28075	.10229	.13852	.20454	.13044	.09930	.15732
#1	.05101	2.1212	1.0478	1.0515	2.0280	.05150	2.1209	50.689	.10721	.49888
#2	.05091	2.1336	1.0527	1.0557	2.0309	.05140	2.1148	50.782	.10737	.49777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20239**	**.26846**	**1.0687**	**52.609**	**1.0393**	**51.630**	**.51235**	**1.0282**	**51.433**	**.51407**
Stddev	.00044	.00019	.0042	.087	.0014	.008	.00005	.0006	.027	.00069
%RSD	.21739	.07241	.39646	.16623	.13487	.01645	.00976	.05678	.05222	.13468
#1	.20271	.26860	1.0657	52.547	1.0384	51.636	.51231	1.0278	51.414	.51455
#2	.20208	.26833	1.0717	52.671	1.0403	51.624	.51238	1.0286	51.452	.51358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.801**	**.51384**	**.00685**	**.53019**	**2.1236**	**10.370**	**1.9959**	**1.0465**	**.99633**	**1.0156**
Stddev	.025	.00087	.00044	.00312	.0037	.032	.0007	.0011	.00305	.0013
%RSD	.23430	.16874	6.4675	.58805	.17210	.31041	.03719	.10301	.30641	.13182
#1	10.783	.51445	.00654	.53240	2.1210	10.348	1.9965	1.0457	.99849	1.0166
#2	10.819	.51323	.00717	.52799	2.1262	10.393	1.9954	1.0472	.99417	1.0147
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0510**	**2.0919**	**.50478**	**.50663**	**.49927**
Stddev	.0024	.0111	.00103	.00137	.00200
%RSD	.11661	.52875	.20330	.27019	.39960
#1	2.0493	2.0997	.50550	.50566	.50068
#2	2.0526	2.0841	.50405	.50759	.49786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4213.7**	**58849.**	**4328.3**
Stddev	7.8	16.	16.3
%RSD	.18627	.02709	.37752
#1	4208.1	58838.	4316.7
#2	4219.2	58861.	4339.8

Sample Name: 280-27122-A-1-D Acquired: 4/2/2012 15:22:53 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.24303**	**.00050**	**.02124**	**.01359**	**.00022**	**-.00550**	**.95473**	**.00040**	**.00152**
Stddev	.00010	.00132	.00062	.00115	.00019	.00003	.00061	.00128	.00012	.00022
%RSD	8.8846	.54323	124.73	5.4219	1.3972	11.941	11.018	.13458	29.908	14.733
#1	-.00102	.24210	.00006	.02205	.01372	.00020	-.00507	.95383	.00048	.00137
#2	-.00115	.24397	.00094	.02042	.01345	.00024	-.00593	.95564	.00031	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**.00208**	**.31157**	**1.3323**	**.01384**	**.61653**	**.00791**	**.00093**	W **9.4594**	W **9.6225**
Stddev	.00015	.00010	.00405	.0084	.00063	.00096	.00000	.00020	.0324	.2849
%RSD	4.1856	4.6666	1.3002	.62879	4.5665	.15585	.05186	21.607	.34235	2.9607
#1	.00353	.00201	.30871	1.3264	.01339	.61585	.00792	.00107	9.4823	9.4210
#2	.00375	.00215	.31444	1.3382	.01428	.61721	.00791	.00079	9.4365	9.8239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit									9.0000	500.00
Low Limit									-.50000	10.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**.01081**	**.00047**	**3.7005**	**.00215**	**-.00179**	**25.042**	**.00037**	**.01483**	**-.00556**
Stddev	.00019	.00030	.00025	.0120	.00070	.00087	.017	.00041	.00040	.00113
%RSD	4.4216	2.8084	53.220	.32482	32.380	48.670	.06899	113.10	2.7140	20.290
#1	.00410	.01059	.00065	3.7090	.00264	-.00117	25.030	.00007	.01511	-.00636
#2	.00437	.01102	.00029	3.6920	.00166	-.00241	25.055	.00066	.01454	-.00477
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00415**	**.00249**	**.00501**	**-.00032**	**.01905**	**-.00077**
Stddev	.00005	.00224	.02784	.00007	.00006	.00138
%RSD	1.2576	89.977	556.02	21.946	.31183	178.19
#1	.00411	.00090	.02469	-.00037	.01909	-.00175
#2	.00418	.00407	-.01468	-.00027	.01901	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4387.8**	**61828.**	**4418.2**
Stddev	10.0	136.	.1
%RSD	.22718	.21923	.00173
#1	4380.8	61732.	4418.3
#2	4394.9	61924.	4418.2

Sample Name: 280-27122-A-2-B Acquired: 4/2/2012 15:25:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.19695**	**-.00559**	**.06579**	**.03923**	**.00031**	**-.00859**	**3.4265**	**.00066**	**.00770**
Stddev	.00001	.00108	.00202	.00035	.00022	.00012	.00055	.0103	.00018	.00008
%RSD	1.1482	.54911	36.160	.53735	.55483	38.341	6.3825	.29926	27.410	1.0830
#1	-.00053	.19619	-.00416	.06604	.03908	.00023	-.00820	3.4193	.00053	.00776
#2	-.00052	.19772	-.00702	.06554	.03938	.00040	-.00898	3.4338	.00078	.00764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00239**	**.12467**	**2.6256**	**.06018**	**3.1678**	**.16336**	**-.00004**	**28.602**	**.01249**
Stddev	.00006	.00007	.00165	.0454	.00191	.0112	.00033	.00002	.470	.00008
%RSD	3.9655	2.8475	1.3214	1.7300	3.1659	.35347	.20442	46.897	1.6433	.60398
#1	.00141	.00244	.12351	2.6577	.06153	3.1598	.16313	-.00006	28.270	.01244
#2	.00149	.00235	.12584	2.5935	.05884	3.1757	.16360	-.00003	28.935	.01254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02207**	**.00148**	**20.015**	**.00014**	**-.00015**	**33.122**	**.00071**	**.05337**	**-.00610**	**.00092**
Stddev	.00015	.00003	.007	.00240	.00408	.051	.00041	.00011	.00034	.00001
%RSD	.67543	2.3596	.03563	1764.8	2771.3	.15312	58.330	.20091	5.6095	1.5259
#1	.02218	.00151	20.010	.00183	-.00303	33.086	.00042	.05329	-.00586	.00093
#2	.02197	.00146	20.020	-.00156	.00274	33.157	.00100	.05344	-.00634	.00091
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00192**	**-.02844**	**-.00045**	**.04426**	**-.00223**
Stddev	.00063	.02295	.00050	.00038	.00027
%RSD	32.633	80.690	109.80	.84850	12.203
#1	-.00147	-.04467	-.00080	.04400	-.00242
#2	-.00236	-.01221	-.00010	.04453	-.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4360.3**	**61205.**	**4397.9**
Stddev	9.1	36.	12.1
%RSD	.20783	.05884	.27448
#1	4353.9	61230.	4406.4
#2	4366.7	61179.	4389.3

Sample Name: 280-27122-A-3-B Acquired: 4/2/2012 15:27:54 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.14688**	**-.00290**	**.04663**	**.08527**	**.00235**	**-.00737**	**5.0341**	**.00040**	**.01113**
Stddev	.00005	.00022	.00146	.00103	.00024	.00000	.00096	.0127	.00007	.00017
%RSD	11.691	.14951	50.380	2.2084	.28700	.02866	13.001	.25162	18.592	1.5080
#1	-.00041	.14704	-.00393	.04736	.08509	.00235	-.00670	5.0252	.00046	.01125
#2	-.00049	.14673	-.00187	.04590	.08544	.00235	-.00805	5.0431	.00035	.01101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00288**	**22.045**	**2.0058**	**.03660**	**5.1555**	**.77833**	**-.00042**	**20.115**	**.01912**
Stddev	.00008	.00010	.057	.0566	.00050	.0090	.00266	.00008	.207	.00014
%RSD	15.417	3.3704	.26028	2.8203	1.3776	.17522	.34179	18.401	1.0291	.75381
#1	.00059	.00294	22.004	1.9658	.03625	5.1491	.77645	-.00037	20.261	.01902
#2	.00048	.00281	22.085	2.0458	.03696	5.1619	.78021	-.00047	19.968	.01922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12769**	**.00176**	**6.6892**	**.00104**	W **-.00737**	**27.295**	**.00091**	**.09969**	**-.00646**	**.00313**
Stddev	.00329	.00020	.0053	.00150	.00559	.063	.00005	.00021	.00037	.00008
%RSD	2.5759	11.336	.07972	143.92	75.913	.22944	5.0409	.20795	5.7341	2.5179
#1	.12537	.00190	6.6854	-.00002	-.01132	27.251	.00088	.09954	-.00620	.00307
#2	.13002	.00162	6.6929	.00210	-.00341	27.340	.00094	.09983	-.00672	.00318
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00136**	**-.01433**	**-.00011**	**.03717**	**-.00335**
Stddev	.00031	.00624	.00023	.00018	.00220
%RSD	22.861	43.529	221.92	.47494	65.710
#1	-.00114	-.00992	-.00027	.03705	-.00491
#2	-.00158	-.01874	.00006	.03730	-.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4358.6**	**60897.**	**4379.9**
Stddev	3.1	26.	21.1
%RSD	.07164	.04323	.48181
#1	4356.4	60915.	4394.8
#2	4360.8	60878.	4365.0

Sample Name: 280-27122-A-4-B Acquired: 4/2/2012 15:30:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00116**	**.00311**	**-.00080**	**-.00081**	**.00008**	**-.00397**	**.01792**	**.00030**	**-.00029**
Stddev	.00056	.00073	.00066	.00032	.00040	.00005	.00294	.00170	.00003	.00010
%RSD	93.611	62.685	21.363	39.668	49.147	66.645	74.147	9.4991	10.804	33.207
#1	-.00020	.00168	.00264	-.00058	-.00053	.00004	-.00189	.01672	.00032	-.00036
#2	-.00099	.00065	.00358	-.00103	-.00110	.00012	-.00605	.01913	.00027	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00150**	**.00466**	**-.10606**	**.00234**	**-.02202**	**-.00051**	**-.00048**	**-.06046**	**-.00031**
Stddev	.00017	.00030	.00142	.05479	.00062	.00097	.00001	.00014	.00275	.00028
%RSD	144.57	20.037	30.449	51.663	26.383	4.4009	1.7531	28.483	4.5427	87.923
#1	.00000	.00129	.00365	-.14481	.00190	-.02270	-.00051	-.00058	-.05852	-.00012
#2	-.00024	.00171	.00566	-.06732	.00277	-.02133	-.00050	-.00039	-.06240	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00169**	**-.00036**	**.00168**	**-.00015**	W **-.00547**	**-.00242**	**.00001**	**.00011**	**-.00673**	**-.00085**
Stddev	.00282	.00112	.00390	.00004	.00505	.00986	.00045	.00022	.00113	.00002
%RSD	166.31	310.61	231.63	25.046	92.357	406.77	7493.1	201.76	16.784	2.0638
#1	.00030	-.00115	.00444	-.00018	-.00190	.00455	-.00031	.00026	-.00593	-.00084
#2	-.00369	.00043	-.00107	-.00012	-.00904	-.00940	.00033	-.00005	-.00753	-.00086
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**-.03270**	**-.00086**	**.00295**	**-.00006**
Stddev	.00014	.00756	.00019	.00031	.00078
%RSD	9.8401	23.128	21.645	10.566	1285.9
#1	-.00132	-.02735	-.00073	.00317	-.00061
#2	-.00152	-.03805	-.00099	.00273	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4352.4**	**61860.**	**4362.6**
Stddev	1.1	156.	8.7
%RSD	.02579	.25148	.19992
#1	4353.1	61970.	4368.8
#2	4351.6	61750.	4356.4

Sample Name: 280-27122-A-5-B Acquired: 4/2/2012 15:32:56 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**.00155**	**-.00270**	**-.00089**	**-.00013**	**.00009**	**-.00205**	**.01341**	**.00038**	**-.00042**
Stddev	.00032	.00059	.00240	.00066	.00022	.00007	.00127	.00500	.00004	.00006
%RSD	45.216	38.184	88.861	74.409	172.36	82.297	62.075	37.282	10.890	14.169
#1	-.00094	.00113	-.00100	-.00042	.00003	.00004	-.00115	.00987	.00041	-.00046
#2	-.00049	.00197	-.00440	-.00136	-.00028	.00014	-.00295	.01694	.00035	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00170**	**.00466**	**-.05521**	**.00300**	**-.01749**	**-.00043**	**-.00028**	**-.06168**	**-.00034**
Stddev	.00003	.00009	.00176	.04228	.00128	.00183	.00004	.00012	.00567	.00035
%RSD	112.89	5.3592	37.823	76.589	42.503	10.465	8.0954	43.693	9.2003	101.49
#1	-.00004	.00163	.00591	-.08511	.00210	-.01879	-.00041	-.00019	-.05767	-.00010
#2	.00000	.00176	.00342	-.02531	.00391	-.01620	-.00046	-.00036	-.06569	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.00052**	**.00507**	**.00068**	W **-.00569**	**-.00132**	**.00362**	**.00011**	**-.00695**	**-.00074**
Stddev	.00053	.00134	.00421	.00161	.00403	.00848	.00054	.00014	.00015	.00019
%RSD	96.427	257.95	83.021	237.49	70.815	639.72	14.794	122.08	2.2211	25.380
#1	-.00017	.00147	.00804	-.00046	-.00284	-.00732	.00324	.00021	-.00684	-.00060
#2	-.00092	-.00043	.00209	.00182	-.00853	.00467	.00400	.00002	-.00706	-.00087
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**-.03290**	**-.00041**	**.00322**	**-.00099**
Stddev	.00157	.00694	.00021	.00031	.00180
%RSD	181.69	21.090	52.268	9.5489	181.47
#1	.00025	-.03780	-.00056	.00344	.00028
#2	-.00198	-.02799	-.00026	.00300	-.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4331.2**	**61744.**	**4355.7**
Stddev	13.0	21.	12.5
%RSD	.30009	.03348	.28596
#1	4340.4	61758.	4346.8
#2	4322.0	61729.	4364.5

Sample Name: 280-27122-A-6-B Acquired: 4/2/2012 15:35:27 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.25120**	**-.00344**	**.06800**	**.24630**	**.00005**	**-.00799**	**316.22**	**.00070**	**.00275**
Stddev	.00065	.00070	.00404	.00080	.00014	.00002	.00258	.03	.00019	.00017
%RSD	94.768	.27744	117.41	1.1831	.05886	31.408	32.282	.00828	27.136	6.2236
#1	-.00022	.25169	-.00058	.06744	.24640	.00006	-.00617	316.24	.00083	.00263
#2	-.00114	.25070	-.00630	.06857	.24620	.00004	-.00981	316.20	.00056	.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01552**	**.00392**	**22.291**	**7.2001**	**.38910**	**221.35**	**2.4557**	**.02497**	**467.39**	**.00365**
Stddev	.00024	.00056	.015	.0770	.00142	1.20	.0015	.00024	.23	.00001
%RSD	1.5543	14.272	.06519	1.0697	.36622	.54434	.06193	.97621	.04916	.34291
#1	.01569	.00352	22.281	7.1456	.38809	220.50	2.4568	.02514	467.23	.00364
#2	.01535	.00431	22.301	7.2546	.39011	222.20	2.4546	.02480	467.55	.00366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05963**	**-.00114**	**598.91**	**-.00336**	**.00233**	**17.582**	**-.00070**	**6.3220**	**-.00930**	**.00574**
Stddev	.00317	.00007	1.62	.00092	.00425	.063	.00059	.0031	.00237	.00011
%RSD	5.3163	6.3615	.27041	27.380	182.34	.35752	84.332	.04918	25.516	1.9891
#1	.05739	-.00119	600.05	-.00401	-.00068	17.626	-.00028	6.3242	-.00762	.00582
#2	.06187	-.00108	597.76	-.00271	.00534	17.537	-.00112	6.3198	-.01097	.00566
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00258**	**.00158**	**.00013**	**.02094**	**-.00119**
Stddev	.00008	.01175	.00028	.00037	.00165
%RSD	3.0395	742.12	218.07	1.7444	138.37
#1	-.00264	.00989	-.00007	.02068	-.00003
#2	-.00253	-.00673	.00033	.02120	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3884.1**	**54094.**	**4196.8**
Stddev	9.8	75.	6.8
%RSD	.25232	.13816	.16120
#1	3891.0	54042.	4192.0
#2	3877.2	54147.	4201.5

Sample Name: CCVH-1338467 Acquired: 4/2/2012 15:38:13 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**50.228**	**-.00164**	**.00019**	**-.00047**	**.00015**	**1.0269**	**.01735**	**-.00157**	**.00216**	**.00068**	**.00400**	**51.189**
Stddev	.00039	.084	.00263	.00055	.00025	.00005	.0091	.00554	.00003	.00022	.00002	.00026	.048
%RSD	63.323	.16632	160.04	295.90	53.586	31.113	.88257	31.946	1.7236	10.106	2.6721	6.5824	.09291
#1	.00034	50.287	.00022	-.00020	-.00064	.00012	1.0333	.02127	-.00155	.00200	.00067	.00382	51.223
#2	.00089	50.169	-.00350	.00057	-.00029	.00019	1.0205	.01343	-.00159	.00231	.00069	.00419	51.155
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00832**	**.00270**	**.02925**	**-.00018**	**-.00135**	**254.81**	**.00207**	**.00682**	**-.00078**	**5.3496**	**-.00592**	**.00134**	**.00458**
Stddev	.03185	.00096	.10086	.00127	.00027	.67	.00070	.00094	.00053	.0202	.00105	.00084	.00249
%RSD	382.75	35.518	344.81	705.93	19.989	.26422	34.061	13.858	67.941	.37702	17.680	62.620	54.424
#1	.03084	.00202	-.04207	-.00108	-.00116	255.29	.00257	.00615	-.00115	5.3639	-.00518	.00194	.00282
#2	-.01420	.00338	.10057	.00072	-.00155	254.33	.00157	.00748	-.00040	5.3353	-.00666	.00075	.00634
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**.00071**	**4.9244**	**.00314**	**.00111**	**10.016**	**.00722**	**.00221**	**-.02976**
Stddev	.00088	.00004	.0108	.00005	.00013	.013	.00102	.00027	.00239
%RSD	49.012	5.7514	.22021	1.6278	12.003	.13076	14.120	12.206	8.0449
#1	.00242	.00068	4.9321	.00318	.00102	10.025	.00650	.00201	-.03145
#2	.00117	.00073	4.9168	.00311	.00121	10.007	.00794	.00240	-.02806
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4223.9**	**58694.**	**4277.5**
Stddev	2.9	22.	13.6
%RSD	.06801	.03757	.31801
#1	4226.0	58709.	4267.9
#2	4221.9	58678.	4287.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 15:40:40 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51079**	F **.55657**	**1.0388**	**.52570**	**.50244**	**.50648**	**.00241**	**5.0743**	**.52111**	**.50817**	**.50126**	**.52862**
Stddev	.00004	.00398	.0007	.00173	.00135	.00123	.00328	.0220	.00082	.00165	.00132	.00033
%RSD	.00873	.71524	.07142	.32944	.26837	.24231	135.77	.43437	.15682	.32402	.26247	.06216
#1	.51083	.55375	1.0394	.52447	.50339	.50735	.00010	5.0899	.52053	.50701	.50033	.52839
#2	.51076	.55938	1.0383	.52692	.50149	.50561	.00473	5.0587	.52169	.50934	.50219	.52886
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5507**	**51.559**	**1.0262**	**20.934**	**.50576**	**.50318**	**5.0584**	**.51804**	**1.0549**	**1.0370**	**.01315**	**1.0527**
Stddev	.0065	.157	.0026	.017	.00023	.00091	.0065	.00123	.0057	.0029	.00185	.0006
%RSD	.25342	.30379	.25305	.08134	.04520	.18109	.12779	.23815	.54404	.27611	14.034	.06155
#1	2.5552	51.670	1.0280	20.922	.50592	.50254	5.0630	.51717	1.0508	1.0350	.01446	1.0522
#2	2.5461	51.448	1.0244	20.946	.50560	.50382	5.0539	.51891	1.0589	1.0390	.01185	1.0531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0734**	**5.0632**	**.99848**	**.51415**	**-.00672**	**.49357**	**1.0585**	**.00419**	**.49177**	**.50668**	**.49867**
Stddev	.0014	.0279	.00137	.00119	.00073	.00055	.0033	.00745	.00106	.00017	.00005
%RSD	.13014	.55174	.13690	.23139	10.895	.11144	.31480	177.89	.21464	.03421	.01068
#1	1.0724	5.0434	.99751	.51499	-.00724	.49395	1.0561	.00946	.49252	.50656	.49863
#2	1.0744	5.0829	.99944	.51331	-.00620	.49318	1.0608	-.00108	.49103	.50681	.49870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4323.1**	**60409.**	**4331.5**
Stddev	6.5	93.	19.4
%RSD	.15108	.15349	.44839
#1	4327.8	60344.	4317.8
#2	4318.5	60475.	4345.2

Sample Name: CCB Acquired: 4/2/2012 15:42:58 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00095**	**-.00076**	**.00075**	**-.00046**	W **-.00084**	**.00007**	**-.00575**	**.00134**	**.00036**	**-.00043**
Stddev	.00008	.00048	.00342	.00089	.00004	.00008	.00387	.00086	.00013	.00002
%RSD	8.8420	63.344	454.42	195.25	4.2352	127.03	67.184	64.285	37.010	4.9899
#1	-.00089	-.00110	-.00167	-.00109	-.00081	.00001	-.00849	.00195	.00045	-.00045
#2	-.00101	-.00042	.00317	.00017	-.00086	.00012	-.00302	.00073	.00026	-.00042
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	W **.00136**	**-.00397**	**-.05192**	**.00189**	F **-.02334**	F **-.00057**	**.00070**	**-.04304**	**-.00009**
Stddev	.00014	.00021	.00152	.00324	.00003	.00359	.00002	.00009	.00200	.00002
%RSD	619.47	15.716	38.281	6.2424	1.3760	15.365	3.8674	13.396	4.6505	23.229
#1	-.00008	.00121	-.00504	-.05421	.00191	-.02587	-.00055	.00077	-.04162	-.00010
#2	.00012	.00152	-.00289	-.04962	.00187	-.02080	-.00058	.00063	-.04445	-.00007
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.02140	.00051			
Low Limit		-.00136				-.02140	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**-.00055**	**.00143**	W **.00342**	W **-.00749**	**-.01096**	**-.00028**	**.00026**	**-.00570**	**-.00055**
Stddev	.00240	.00078	.00160	.00116	.00492	.00118	.00008	.00006	.00049	.00054
%RSD	558.91	142.69	111.31	33.823	65.655	10.757	29.377	23.865	8.6070	98.564
#1	.00127	-.00110	.00256	.00423	-.00401	-.01179	-.00034	.00021	-.00604	-.00093
#2	-.00213	.00000	.00031	.00260	-.01097	-.01012	-.00022	.00030	-.00535	-.00017
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**-.00640**	**-.00067**	**.00126**	**-.00050**
Stddev	.00076	.00694	.00062	.00039	.00000
%RSD	162.63	108.41	92.288	30.625	.44472
#1	.00007	-.00149	-.00023	.00153	-.00050
#2	-.00100	-.01130	-.00111	.00099	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4265.0**	**60627.**	**4258.1**
Stddev	4.1	202.	1.1
%RSD	.09523	.33268	.02573
#1	4262.1	60485.	4257.3
#2	4267.9	60770.	4258.9

Sample Name: CCVL1341782 Acquired: 4/2/2012 15:45:30 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00905**	**.11662**	**.01545**	**.10303**	**.00956**	**.00112**	**.10985**	**.22099**	**.00541**	**.01041**	**.01008**
Stddev	.00023	.00031	.00272	.00086	.00002	.00004	.00035	.00079	.00008	.00015	.00012
%RSD	2.5187	.26751	17.626	.83578	.21165	3.3548	.31852	.35756	1.4125	1.4748	1.1625
#1	.00921	.11639	.01352	.10242	.00958	.00109	.10960	.22043	.00546	.01030	.01000
#2	.00888	.11684	.01737	.10364	.00955	.00114	.11010	.22155	.00536	.01052	.01016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01861**	**.11431**	**3.0338**	W **.01201**	**.19471**	**.01018**	**.01985**	**.98083**	**.04264**	**3.0956**	**.00976**
Stddev	.00013	.00047	.0508	.00144	.00389	.00001	.00014	.00048	.00007	.0018	.00126
%RSD	.67881	.41388	1.6753	11.989	2.0003	.09910	.69604	.04886	.16382	.05900	12.902
#1	.01852	.11464	2.9978	.01302	.19747	.01017	.01995	.98117	.04259	3.0969	.00887
#2	.01870	.11397	3.0697	.01099	.19196	.01019	.01975	.98049	.04269	3.0943	.01065
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**.01083**	**.01269**	**.50379**	**.10373**	**.01035**	F **.00754**	**.00947**	**.01610**	**.06745**	**.00894**
Stddev	.00076	.00171	.00204	.00809	.00139	.00008	.00025	.00029	.00048	.01869	.00007
%RSD	49.118	15.783	16.075	1.6058	1.3369	.77852	3.2607	3.0681	3.0043	27.702	.77859
#1	-.00209	.01204	.01414	.49807	.10471	.01029	.00772	.00927	.01576	.05424	.00899
#2	-.00101	.00962	.01125	.50951	.10275	.01041	.00737	.00968	.01645	.08067	.00889
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.01500				
Range							-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.02412**	**.01361**
Stddev	.00016	.00219
%RSD	.64645	16.093
#1	.02423	.01515
#2	.02401	.01206
Check ?	Chk Warn	Chk Pass
Value	.02000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4356.0**	**61640.**	**4334.6**
Stddev	3.6	161.	.6
%RSD	.08323	.26189	.01386
#1	4358.5	61754.	4335.0
#2	4353.4	61526.	4334.1

Sample Name: 280-27122-A-7-B Acquired: 4/2/2012 15:48:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.33375**	**.00000**	**.06704**	**.27297**	**.00005**	**-.00731**	**333.56**	**.00068**	**.00307**
Stddev	.00018	.00138	.0022	.00117	.00022	.00000	.00052	.84	.00026	.00008
%RSD	24.035	.41420	2643400.	1.7397	.08192	3.9783	7.0999	.25171	37.789	2.5565
#1	-.00063	.33277	-.00157	.06622	.27282	.00005	-.00768	334.15	.00086	.00301
#2	-.00088	.33473	.00157	.06787	.27313	.00005	-.00694	332.97	.00050	.00312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02276**	**.00635**	**21.857**	**7.5161**	**.38970**	**215.06**	**2.3776**	**.03112**	**461.86**	**.00413**
Stddev	.00034	.00019	.040	.0935	.00310	1.05	.0041	.00000	1.22	.00033
%RSD	1.4859	2.9579	.18497	1.2433	.79613	.48745	.17411	.00569	.26459	8.0352
#1	.02300	.00648	21.829	7.4500	.38750	214.32	2.3746	.03111	461.00	.00390
#2	.02252	.00622	21.886	7.5822	.39189	215.80	2.3805	.03112	462.73	.00437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08806**	**.00000**	**585.85**	**-.00207**	**.00297**	**17.450**	**-.00003**	**7.0800**	**-.00972**	**.01027**
Stddev	.00170	.00071	3.20	.00029	.00358	.052	.00073	.0791	.00181	.00063
%RSD	1.9323	18967.	.54652	14.117	120.63	.29894	2789.8	1.1170	18.663	6.1543
#1	.08926	.00051	588.11	-.00228	.00044	17.413	-.00054	7.0241	-.01101	.01072
#2	.08686	-.00050	583.58	-.00186	.00550	17.487	.00049	7.1359	-.00844	.00983
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00337**	**-.01553**	**.00050**	**.03514**	**.00147**
Stddev	.00028	.01467	.00010	.00018	.00094
%RSD	8.3387	94.455	20.781	.50241	63.539
#1	-.00317	-.00516	.00058	.03501	.00213
#2	-.00357	-.02591	.00043	.03526	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3877.0**	**54102.**	**4171.5**
Stddev	2.1	101.	17.3
%RSD	.05516	.18674	.41403
#1	3875.5	54174.	4183.7
#2	3878.5	54031.	4159.3

Sample Name: 280-27122-A-8-B Acquired: 4/2/2012 15:50:51 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.02786**	**-.00355**	**.21730**	**.02825**	**.00007**	**-.00837**	**80.834**	**.00066**	**.00013**
Stddev	.00022	.00069	.00172	.00088	.00010	.00008	.00303	.131	.00024	.00003
%RSD	77.889	2.4636	48.589	.40725	.34441	112.86	36.224	.16147	36.184	22.453
#1	-.00043	.02738	-.00233	.21792	.02832	.00013	-.00622	80.742	.00049	.00011
#2	-.00012	.02835	-.00477	.21667	.02818	.00001	-.01051	80.927	.00083	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00331**	**.00345**	**14.485**	**6.5621**	**.21061**	**63.728**	**3.8689**	**.00072**	**128.70**	**.00335**
Stddev	.00002	.00003	.003	.0179	.00081	.017	.0031	.00020	.31	.00023
%RSD	.59204	.73677	.02009	.27208	.38690	.02682	.07924	27.896	.24019	6.8639
#1	.00329	.00347	14.483	6.5748	.21119	63.716	3.8667	.00087	128.48	.00352
#2	.00332	.00343	14.487	6.5495	.21003	63.740	3.8711	.00058	128.92	.00319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25952**	**-.00021**	**166.39**	**.00116**	**-.00291**	**23.484**	**.00043**	**1.1689**	**-.00837**	**-.00074**
Stddev	.00323	.00136	.43	.00504	.00191	.007	.00004	.0010	.00167	.00017
%RSD	1.2438	645.88	.25566	433.95	65.790	.03193	8.2529	.08564	19.891	23.501
#1	.26180	-.00118	166.69	-.00240	-.00426	23.489	.00040	1.1681	-.00955	-.00087
#2	.25723	.00075	166.09	.00473	-.00155	23.479	.00045	1.1696	-.00720	-.00062
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**-.00756**	**-.00325**	**.15737**	**-.00054**
Stddev	.00115	.00247	.00047	.00004	.00137
%RSD	114.85	32.604	14.505	.02833	254.65
#1	-.00181	-.00582	-.00292	.15734	-.00151
#2	-.00019	-.00931	-.00359	.15740	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.8**	**57759.**	**4282.4**
Stddev	5.9	1.	24.2
%RSD	.14296	.00236	.56621
#1	4129.6	57758.	4265.3
#2	4137.9	57760.	4299.5

Sample Name: 280-27122-A-9-B Acquired: 4/2/2012 15:53:18 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.06955**	**-.00115**	**.04536**	**.07761**	**.00004**	**-.00646**	**30.910**	**.00037**	**.00046**
Stddev	.00015	.00093	.00396	.00023	.00054	.00002	.00123	.015	.00015	.00000
%RSD	27.319	1.3441	343.68	.51737	.69750	43.256	19.031	.04956	41.059	.19232
#1	-.00044	.07021	.00165	.04553	.07723	.00003	-.00559	30.899	.00048	.00046
#2	-.00065	.06889	-.00395	.04519	.07799	.00006	-.00733	30.921	.00026	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00333**	**.09305**	**2.0653**	**.12860**	**39.445**	**.05389**	**.00033**	**150.95**	**.00248**
Stddev	.00004	.00038	.00334	.0538	.00086	.051	.00012	.00028	.78	.00043
%RSD	54.201	11.261	3.5886	2.6062	.67030	.12916	.22775	86.207	.51657	17.133
#1	.00004	.00360	.09541	2.1033	.12799	39.481	.05380	.00052	150.40	.00278
#2	.00009	.00307	.09068	2.0272	.12920	39.409	.05398	.00013	151.50	.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37841**	**-.00019**	**39.728**	**-.00219**	W **-.00670**	**23.291**	**-.00078**	**.44707**	**-.00918**	**.00081**
Stddev	.00751	.00049	.051	.00038	.00054	.011	.00007	.00026	.00038	.00011
%RSD	1.9834	254.51	.12931	17.527	8.0913	.04922	9.5401	.05894	4.1752	13.478
#1	.37311	.00015	39.692	-.00192	-.00708	23.283	-.00073	.44725	-.00945	.00089
#2	.38372	-.00054	39.764	-.00247	-.00632	23.299	-.00084	.44688	-.00890	.00073
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.01967**	**.00196**	**.00599**	**-.00163**
Stddev	.00035	.01634	.00106	.00018	.00024
%RSD	425.44	83.082	54.103	2.9521	14.633
#1	.00033	.03122	.00121	.00587	-.00180
#2	-.00016	.00811	.00271	.00612	-.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4184.5**	**58367.**	**4297.6**
Stddev	5.4	76.	31.3
%RSD	.12830	.13064	.72879
#1	4188.3	58421.	4275.5
#2	4180.7	58313.	4319.8

Sample Name: 280-27122-A-10-B Acquired: 4/2/2012 15:55:47 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.04547**	**.00078**	**.07162**	**.03919**	**.00010**	**-.00543**	**27.510**	**.00041**	**.01201**
Stddev	.00049	.00124	.00085	.00030	.00033	.00003	.00310	.021	.00001	.00012
%RSD	851.85	2.7317	107.89	.41632	.83815	32.942	57.219	.07775	3.6596	.96842
#1	-.00040	.04460	.00019	.07183	.03942	.00007	-.00323	27.525	.00042	.01193
#2	.00029	.04635	.00138	.07141	.03895	.00012	-.00762	27.495	.00040	.01210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00412**	**35.061**	**8.7103**	**.10017**	**21.124**	**1.6343**	**-.00083**	**38.321**	**.01620**
Stddev	.00009	.00030	.009	.0504	.00023	.023	.0032	.00016	.454	.00001
%RSD	23.792	7.2445	.02608	.57857	.23405	.11034	.19457	18.951	1.1854	.08429
#1	.00033	.00433	35.067	8.7459	.10000	21.141	1.6365	-.00094	38.642	.01619
#2	.00046	.00391	35.054	8.6747	.10033	21.108	1.6320	-.00072	38.000	.01621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37139**	**-.00047**	**60.957**	**.00013**	**-.00281**	**27.681**	**-.00003**	**.53506**	**-.00653**	**.00053**
Stddev	.00566	.00142	.057	.00068	.00397	.007	.00035	.00001	.00047	.00019
%RSD	1.5239	298.97	.09426	528.92	141.29	.02536	1018.9	.00256	7.1528	37.010
#1	.36738	-.00148	60.917	-.00035	-.00562	27.686	-.00028	.53507	-.00686	.00039
#2	.37539	.00053	60.998	.00061	.00000	27.676	.00021	.53505	-.00620	.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00205**	**-.04029**	**-.00148**	**.08208**	**-.00140**
Stddev	.00152	.00623	.00055	.00000	.00202
%RSD	74.244	15.461	37.095	.00593	143.53
#1	-.00313	-.03588	-.00187	.08208	-.00283
#2	-.00097	-.04469	-.00109	.08208	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4331.5**	**60699.**	**4374.9**
Stddev	3.5	92.	12.1
%RSD	.08142	.15087	.27623
#1	4334.0	60764.	4366.4
#2	4329.0	60634.	4383.5

Sample Name: 280-27122-A-11-B Acquired: 4/2/2012 15:58:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.13496**	**-.00214**	**.07661**	**.03780**	**.00019**	**-.00559**	**19.682**	**.00050**	**.00910**
Stddev	.00029	.00069	.00049	.00033	.00006	.00002	.00066	.009	.00000	.00029
%RSD	29.268	.51142	23.144	.42603	.14935	11.063	11.767	.04740	.66613	3.1806
#1	-.00121	.13545	-.00249	.07684	.03784	.00018	-.00605	19.675	.00049	.00930
#2	-.00080	.13447	-.00179	.07638	.03776	.00021	-.00512	19.688	.00050	.00889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00261**	**19.900**	**3.9103**	**.12795**	**14.325**	**.65429**	**-.00028**	**43.782**	**.00998**
Stddev	.00001	.00055	.017	.0347	.00270	.010	.00031	.00006	.035	.00014
%RSD	4.6160	21.299	.08385	.88824	2.1123	.06698	.04754	20.339	.08029	1.4053
#1	.00029	.00221	19.912	3.8858	.12986	14.332	.65451	-.00032	43.757	.00988
#2	.00031	.00300	19.888	3.9349	.12604	14.319	.65407	-.00024	43.807	.01008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1539**	**.00168**	**24.895**	**.00091**	W **-.00798**	**26.591**	**.00035**	**.34096**	**-.00754**	**.00260**
Stddev	.0071	.00100	.029	.00012	.00581	.023	.00027	.00027	.00192	.00000
%RSD	.61167	59.385	.11741	13.545	72.806	.08467	78.492	.07786	25.452	.04199
#1	1.1489	.00238	24.915	.00100	-.01208	26.606	.00015	.34115	-.00618	.00260
#2	1.1589	.00097	24.874	.00083	-.00387	26.575	.00054	.34077	-.00890	.00260
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**-.02387**	**-.00038**	**.00954**	**-.00104**
Stddev	.00140	.00877	.00034	.00017	.00175
%RSD	113.94	36.744	89.366	1.7691	167.40
#1	-.00024	-.01767	-.00014	.00942	.00019
#2	-.00222	-.03007	-.00062	.00965	-.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4323.0**	**60722.**	**4382.2**
Stddev	9.7	38.	13.8
%RSD	.22515	.06273	.31540
#1	4316.1	60749.	4372.4
#2	4329.9	60695.	4391.9

Sample Name: 280-27122-A-12-B Acquired: 4/2/2012 16:00:44 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.02676**	**-.00161**	**.06907**	**.05971**	**.00010**	**-.00811**	**68.498**	**.00079**	**.00046**
Stddev	.00056	.00106	.00413	.00026	.00021	.00005	.00170	.082	.00007	.00032
%RSD	59.398	3.9629	255.75	.37088	.35039	47.281	21.003	.11991	8.2821	69.549
#1	-.00054	.02601	-.00453	.06888	.05986	.00013	-.00691	68.440	.00075	.00069
#2	-.00133	.02751	.00130	.06925	.05956	.00007	-.00932	68.556	.00084	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00399**	**11.976**	**2.8934**	**.14355**	**66.819**	**1.0341**	**.00019**	**89.877**	**.00229**
Stddev	.00005	.00005	.017	.0152	.00141	.103	.0022	.00015	.212	.00002
%RSD	33.055	1.2773	.14544	.52413	.98549	.15392	.21082	82.117	.23591	.98592
#1	.00020	.00402	11.964	2.9042	.14255	66.892	1.0357	.00029	89.728	.00227
#2	.00012	.00395	11.989	2.8827	.14455	66.746	1.0326	.00008	90.027	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12683**	**.00124**	**97.721**	**-.00140**	**-.00391**	**28.135**	**.00083**	**.94594**	**-.00802**	**-.00038**
Stddev	.00094	.00029	.105	.00019	.00040	.027	.00032	.00175	.00022	.00033
%RSD	.74255	23.469	.10748	13.765	10.316	.09543	39.080	.18460	2.7565	89.003
#1	.12750	.00145	97.647	-.00154	-.00419	28.116	.00060	.94471	-.00786	-.00014
#2	.12616	.00103	97.795	-.00127	-.00362	28.154	.00106	.94718	-.00818	-.00061
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00163**	**-.02194**	**.00025**	**.02205**	**-.00070**
Stddev	.00044	.03160	.00041	.00040	.00235
%RSD	27.066	144.06	166.91	1.8071	334.31
#1	-.00132	-.04428	-.00004	.02234	-.00237
#2	-.00194	.00041	.00053	.02177	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4218.9**	**59284.**	**4371.2**
Stddev	2.6	83.	28.5
%RSD	.06081	.14016	.65213
#1	4217.1	59343.	4391.4
#2	4220.7	59225.	4351.1

Sample Name: 280-27122-A-13-B Acquired: 4/2/2012 16:03:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**.33866**	**-.00375**	**.01690**	**.05741**	**.00039**	**-.00831**	**28.818**	**.00141**	**.00539**
Stddev	.00002	.00388	.00135	.00036	.00061	.00001	.00035	.012	.00016	.00016
%RSD	2.1394	1.1455	35.961	2.1313	1.0700	2.5121	4.1851	.04091	11.313	2.8960
#1	-.00110	.33592	-.00470	.01715	.05784	.00038	-.00855	28.810	.00130	.00528
#2	-.00114	.34141	-.00279	.01664	.05698	.00040	-.00806	28.826	.00153	.00550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00296**	**.57274**	**.86615**	**.04814**	**36.704**	**.05323**	**-.00045**	**54.550**	**.03562**
Stddev	.00009	.00023	.00070	.00018	.00065	.014	.00009	.00016	.332	.00000
%RSD	7.0988	7.8039	.12289	.02054	1.3509	.03919	.17372	36.083	.60815	.00402
#1	.00119	.00279	.57324	.86603	.04768	36.694	.05316	-.00056	54.315	.03562
#2	.00131	.00312	.57224	.86628	.04860	36.714	.05329	-.00033	54.784	.03562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02620**	**.00112**	**86.128**	**-.00072**	W **-.00583**	**25.491**	**-.00025**	**.37390**	**-.00750**	**.00786**
Stddev	.00177	.00219	.084	.00186	.00054	.079	.00075	.00018	.00061	.00003
%RSD	6.7614	194.44	.09745	257.22	9.3212	.31051	304.32	.04772	8.0934	.35841
#1	.02495	-.00042	86.069	-.00203	-.00544	25.435	.00028	.37402	-.00707	.00788
#2	.02746	.00267	86.188	.00059	-.00621	25.547	-.00077	.37377	-.00793	.00784
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**-.00799**	**.00071**	**.03664**	**-.00086**
Stddev	.00155	.02902	.00045	.00009	.00156
%RSD	274.55	363.12	63.318	.23575	181.58
#1	.00053	-.02851	.00039	.03670	.00024
#2	-.00166	.01253	.00103	.03658	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4365.7**	**60976.**	**4469.1**
Stddev	4.0	62.	11.8
%RSD	.09258	.10121	.26367
#1	4368.5	61019.	4477.5
#2	4362.8	60932.	4460.8

Sample Name: CCVH-1338467 Acquired: 4/2/2012 16:05:44 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**49.680**	**-.00323**	**-.00010**	**-.00076**	**.00006**	**1.0198**	**.00386**	**-.00172**	**.00192**	**.00045**	**.00368**	**50.654**
Stddev	.00069	.068	.00197	.00007	.00003	.00005	.0049	.00021	.00021	.00008	.00019	.00006	.162
%RSD	67.342	.13714	60.917	64.978	3.8909	87.891	.47844	5.5418	12.047	4.3727	42.565	1.6338	.31986
#1	.00054	49.728	-.00462	-.00006	-.00078	.00002	1.0163	.00401	-.00157	.00198	.00059	.00363	50.539
#2	.00152	49.632	-.00184	-.00015	-.00074	.00010	1.0232	.00371	-.00186	.00186	.00032	.00372	50.768
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05630**	**.00265**	**-.04409**	**-.00107**	**-.00133**	**252.69**	**.00226**	**.00528**	**.00023**	**5.2962**	**-.00487**	**-.00424**	**-.00065**
Stddev	.00203	.00215	.00480	.00006	.00035	.17	.00006	.00022	.00112	.0235	.00112	.00355	.00207
%RSD	3.6001	81.320	10.890	5.6899	26.038	.06548	2.4610	4.0740	481.34	.44452	23.042	83.713	318.27
#1	-.05486	.00112	-.04069	-.00103	-.00108	252.80	.00222	.00513	-.00056	5.2795	-.00566	-.00173	-.00212
#2	-.05773	.00417	-.04749	-.00111	-.00157	252.57	.00230	.00543	.00102	5.3128	-.00407	-.00675	.00082
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.00045**	**4.9139**	**.00320**	**.00312**	**9.9926**	**.00735**	**.00192**	**-.02976**
Stddev	.00003	.00010	.0093	.00044	.00048	.0296	.00018	.00039	.00366
%RSD	.76298	22.227	.18854	13.820	15.277	.29613	2.3895	20.427	12.302
#1	.00351	.00038	4.9074	.00351	.00346	10.013	.00748	.00219	-.02717
#2	.00347	.00052	4.9205	.00288	.00278	9.9717	.00723	.00164	-.03235
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4299.5**	**59428.**	**4381.1**
Stddev	8.1	165.	2.0
%RSD	.18940	.27777	.04563
#1	4293.8	59311.	4382.5
#2	4305.3	59545.	4379.7

Sample Name: CCV-1338469 Acquired: 4/2/2012 16:08:11 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50900**	F **.55294**	**1.0387**	**.52314**	**.50090**	**.50453**	**-.00019**	**5.0616**	**.51793**	**.50557**	**.49961**	**.52390**
Stddev	.00034	.00433	.0019	.00056	.00032	.00053	.00095	.0055	.00051	.00074	.00028	.00136
%RSD	.06656	.78315	.17843	.10776	.06393	.10580	496.99	.10865	.09921	.14610	.05537	.25947
#1	.50924	.54988	1.0400	.52274	.50112	.50415	-.00087	5.0577	.51756	.50505	.49981	.52294
#2	.50876	.55600	1.0373	.52354	.50067	.50491	.00048	5.0655	.51829	.50609	.49942	.52486
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5315**	**51.494**	**1.0222**	**20.817**	**.50257**	**.50131**	**5.0318**	**.51666**	**1.0515**	**1.0345**	**.00600**	**1.0467**
Stddev	.0013	.067	.0008	.016	.00067	.00036	.0258	.00120	.0024	.0033	.00173	.0002
%RSD	.05039	.12984	.07376	.07846	.13234	.07209	.51255	.23309	.22438	.31804	28.838	.02061
#1	2.5306	51.541	1.0216	20.806	.50210	.50106	5.0501	.51581	1.0498	1.0322	.00477	1.0466
#2	2.5324	51.446	1.0227	20.829	.50304	.50157	5.0136	.51751	1.0532	1.0369	.00722	1.0469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0623**	**5.0862**	**.99143**	**.51306**	**-.00667**	**.49236**	**1.0542**	**-.00415**	**.48864**	**.50564**	**.49819**
Stddev	.0017	.0220	.00075	.00039	.00246	.00029	.0025	.00681	.00175	.00191	.00074
%RSD	.15726	.43254	.07611	.07695	36.957	.05804	.23710	164.10	.35806	.37805	.14762
#1	1.0611	5.1018	.99196	.51278	-.00493	.49256	1.0560	.00067	.48988	.50700	.49871
#2	1.0635	5.0707	.99089	.51334	-.00841	.49216	1.0524	-.00897	.48741	.50429	.49767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4363.8**	**61011.**	**4376.4**
Stddev	5.9	117.	7.1
%RSD	.13522	.19111	.16118
#1	4368.0	60929.	4381.3
#2	4359.6	61094.	4371.4

Sample Name: CCB Acquired: 4/2/2012 16:10:31 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**-.00087**	**-.00007**	**-.00044**	W **-.00075**	**.00009**	**-.00364**	**-.00045**	**.00034**	**-.00048**
Stddev	.00038	.00045	.00270	.00046	.00004	.00002	.00118	.00539	.00012	.00054
%RSD	43.754	52.401	3944.9	104.46	5.4464	18.566	32.346	1189.5	34.423	113.86
#1	-.00115	-.00119	.00184	-.00012	-.00078	.00010	-.00281	-.00427	.00042	-.00086
#2	-.00060	-.00055	-.00198	-.00077	-.00072	.00008	-.00447	.00336	.00026	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00130**	**-.00313**	**-.08063**	W **.00366**	F **-.02295**	F **-.00055**	**.00063**	**-.03604**	**-.00021**
Stddev	.00009	.00011	.00093	.01198	.00119	.00082	.00001	.00010	.00328	.00029
%RSD	134.24	8.1054	29.712	14.861	32.425	3.5882	2.6848	16.609	9.1151	139.42
#1	.00000	.00137	-.00247	-.07216	.00282	-.02237	-.00056	.00070	-.03372	-.00041
#2	-.00013	.00122	-.00378	-.08910	.00451	-.02354	-.00054	.00055	-.03836	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					.00261	.02140	.00051			
Low Limit					-.00261	-.02140	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00071**	**.00399**	W **.00451**	W **-.00503**	**-.01430**	**.00038**	**.00007**	**-.00715**	**-.00038**
Stddev	.00181	.00043	.00027	.00023	.00477	.02422	.00039	.00000	.00099	.00008
%RSD	169.14	60.945	6.8293	5.0056	94.975	169.38	102.59	2.8260	13.907	20.467
#1	.00235	.00040	.00380	.00467	-.00165	.00283	.00010	.00006	-.00645	-.00044
#2	-.00021	.00101	.00419	.00435	-.00840	-.03143	.00065	.00007	-.00786	-.00033
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**-.01489**	**-.00074**	**.00180**	**-.00132**
Stddev	.00029	.01003	.00008	.00034	.00069
%RSD	22.434	67.353	11.260	19.182	52.195
#1	-.00108	-.00780	-.00068	.00204	-.00180
#2	-.00149	-.02199	-.00080	.00155	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4301.2**	**61135.**	**4344.6**
Stddev	4.9	265.	5.1
%RSD	.11428	.43375	.11726
#1	4297.8	60947.	4348.2
#2	4304.7	61322.	4341.0

Sample Name: CCVL1341782 Acquired: 4/2/2012 16:13:03 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00943**	W **.12018**	**.01535**	**.10231**	**.00945**	W **.00123**	**.11236**	F **.30563**	**.00538**	**.01047**	**.01017**
Stddev	.00010	.00153	.00199	.00011	.00000	.00029	.00070	.09670	.00006	.00026	.00008
%RSD	1.0914	1.2772	12.936	.11006	.04164	23.663	.62366	31.638	1.1834	2.4393	.79677
#1	.00951	.11909	.01394	.10239	.00944	.00144	.11186	.37401	.00542	.01065	.01022
#2	.00936	.12126	.01675	.10223	.00945	.00102	.11285	.23726	.00533	.01029	.01011
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.10000				.00100		.20000			
Range		20.000%				20.000%		30.000%			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01817**	F **.14108**	**3.0733**	**.01156**	**.19678**	**.01010**	**.02003**	**1.1938**	**.04253**	**3.1145**	**.00880**
Stddev	.00054	.04256	.0900	.00082	.00127	.00001	.00012	.2484	.00020	.0028	.00040
%RSD	2.9911	30.170	2.9297	7.0899	.64391	.08153	.57958	20.811	.46615	.08995	4.4925
#1	.01778	.17117	3.1370	.01213	.19768	.01010	.02011	1.3695	.04239	3.1125	.00852
#2	.01855	.11098	3.0096	.01098	.19589	.01011	.01995	1.0181	.04267	3.1165	.00908
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500	.10000									
Range	20.000%	30.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00885**	**.01055**	W **.01167**	**.53285**	**.10514**	**.01182**	F **.00747**	**.00930**	**.01729**	**.06270**	**.00937**
Stddev	.00250	.00074	.00150	.04913	.00087	.00174	.00142	.00045	.00032	.01006	.00025
%RSD	28.195	6.9864	12.825	9.2208	.82422	14.737	19.064	4.8806	1.8548	16.048	2.7066
#1	.00708	.01107	.01061	.56760	.10575	.01305	.00646	.00898	.01751	.06981	.00919
#2	.01061	.01003	.01273	.49811	.10452	.01059	.00848	.00962	.01706	.05558	.00955
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.02500**	**.01375**
Stddev	.00046	.00269
%RSD	1.8474	19.539
#1	.02468	.01564
#2	.02533	.01185
Check ?	Chk Warn	Chk Pass
Value	.02000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4403.4**	**62409.**	**4415.5**
Stddev	6.4	90.	25.2
%RSD	.14449	.14495	.57016
#1	4407.9	62345.	4397.7
#2	4398.9	62473.	4433.3

Sample Name: 280-27124-A-1-B Acquired: 4/2/2012 16:15:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00176**	**.66528**	**.00706**	**7.4606**	**.02592**	**.00007**	**-.00572**	**373.11**	**.00218**	**.00220**
Stddev	.00001	.00275	.00020	.0098	.00039	.00006	.00268	1.26	.00022	.00018
%RSD	.52245	.41370	2.8360	.13193	1.4912	85.919	46.916	.33748	10.208	8.1561
#1	-.00175	.66722	.00691	7.4536	.02564	.00012	-.00762	374.00	.00202	.00233
#2	-.00177	.66333	.00720	7.4675	.02619	.00003	-.00382	372.22	.00234	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00553**	**.01190**	**3.5761**	**13.990**	**.55247**	**127.48**	**.09712**	**.00143**	W **1379.0**	**.00934**
Stddev	.00006	.00006	.0031	.021	.00014	.11	.00007	.00002	.8	.00003
%RSD	1.1291	.48818	.08754	.15124	.02501	.08898	.07410	1.1566	.05869	.36633
#1	.00558	.01186	3.5783	14.005	.55237	127.56	.09718	.00144	1379.5	.00932
#2	.00549	.01195	3.5739	13.975	.55257	127.40	.09707	.00142	1378.4	.00937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26859**	**-.00009**	**841.06**	**-.00279**	**-.00137**	**9.9079**	**.01308**	W **16.535**	**-.00946**	**.02459**
Stddev	.00071	.00198	.11	.00497	.00422	.0327	.00044	.015	.00072	.00032
%RSD	.26439	2146.0	.01282	177.90	307.96	.32975	3.3773	.09127	7.5957	1.2981
#1	.26909	-.00149	840.99	.00072	.00162	9.9310	.01339	16.524	-.00997	.02436
#2	.26808	.00131	841.14	-.00631	-.00436	9.8848	.01277	16.545	-.00895	.02482
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**-.00528**	**.00645**	**.05128**	**.00072**
Stddev	.00242	.01140	.00002	.00023	.00157
%RSD	326.28	215.78	.37543	.45206	219.09
#1	.00097	.00278	.00643	.05145	.00183
#2	-.00245	-.01334	.00647	.05112	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3860.6**	**52926.**	**4266.2**
Stddev	7.4	68.	10.1
%RSD	.19279	.12757	.23739
#1	3865.9	52974.	4259.0
#2	3855.4	52879.	4273.3

Sample Name: 280-27124-A-2-B□□280 Acquired: 4/2/2012 16:18:58 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**.00143**	**-.00087**	**.01428**	**-.00070**	**.00013**	**-.00355**	**.03895**	**.00029**	**-.00020**
Stddev	.00054	.00142	.00020	.00202	.00003	.00002	.00016	.00201	.00027	.00010
%RSD	49.942	99.797	23.417	14.150	3.6587	13.851	4.4537	5.1550	92.335	49.462
#1	-.00147	.00042	-.00101	.01570	-.00072	.00014	-.00344	.04037	.00048	-.00013
#2	-.00070	.00243	-.00072	.01285	-.00068	.00011	-.00366	.03753	.00010	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00148**	**-.00190**	**-.07793**	**.00188**	**-.02041**	**-.00049**	**-.00012**	**.27282**	**-.00018**
Stddev	.00012	.00001	.00106	.05474	.00037	.00491	.00004	.00019	.02470	.00012
%RSD	79.155	.73877	55.830	70.241	19.711	24.059	8.6908	160.85	9.0554	63.732
#1	.00007	.00149	-.00265	-.11663	.00162	-.01694	-.00052	.00002	.29029	-.00010
#2	.00023	.00147	-.00115	-.03922	.00215	-.02388	-.00046	-.00025	.25535	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**-.00053**	**.04788**	**-.00006**	**-.00334**	**.04393**	**.00021**	**.00016**	**-.00555**	**-.00024**
Stddev	.00105	.00151	.00690	.00174	.00130	.00322	.00081	.00001	.00082	.00016
%RSD	62.286	284.97	14.417	3022.7	39.092	7.3212	390.94	9.0354	14.810	67.333
#1	.00243	.00054	.05276	-.00129	-.00426	.04621	-.00037	.00015	-.00613	-.00036
#2	.00094	-.00160	.04300	.00117	-.00241	.04166	.00078	.00017	-.00497	-.00013
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00223**	**-.01414**	**-.00097**	**.00219**	**-.00129**
Stddev	.00029	.02837	.00006	.00028	.00367
%RSD	13.073	200.66	6.6830	12.646	283.97
#1	-.00244	.00592	-.00102	.00239	-.00389
#2	-.00203	-.03420	-.00092	.00200	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4390.5**	**62749.**	**4453.6**
Stddev	3.9	114.	15.7
%RSD	.08944	.18099	.35308
#1	4393.3	62669.	4442.5
#2	4387.7	62829.	4464.7

Sample Name: 280-27124-A-3-B Acquired: 4/2/2012 16:21:30 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00168**	**.00486**	**.00020**	**1.7273**	**.01563**	**.00002**	**-.00560**	**477.35**	**.00040**	**.00081**
Stddev	.00031	.00152	.00487	.0127	.00025	.00002	.00421	3.59	.00009	.00027
%RSD	18.680	31.269	2417.0	.73747	1.5782	65.815	75.182	.75137	22.064	33.436
#1	-.00146	.00378	-.00325	1.7363	.01580	.00004	-.00262	474.81	.00046	.00101
#2	-.00190	.00593	.00365	1.7183	.01545	.00001	-.00857	479.88	.00034	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00576**	**.00513**	**17.874**	**.65479**	**306.08**	**.16291**	**.00130**	W **1082.2**	**.00733**
Stddev	.00020	.00027	.00060	.035	.00255	2.87	.00097	.00012	1.3	.00002
%RSD	29.072	4.6362	11.756	.19709	.38932	.93608	.59755	9.1287	.12068	.28332
#1	.00056	.00557	.00470	17.849	.65299	304.06	.16222	.00122	1081.3	.00734
#2	.00085	.00594	.00555	17.899	.65660	308.11	.16360	.00139	1083.2	.00731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05954**	**-.00128**	**1122.5**	**-.00064**	**.00391**	**7.9635**	**-.00061**	W **13.930**	**-.00822**	**-.00076**
Stddev	.00016	.00177	5.9	.00378	.00025	.0110	.00040	.043	.00147	.00009
%RSD	.26950	138.27	.52941	593.87	6.3836	.13869	65.273	.30758	17.903	12.058
#1	.05943	-.00003	1126.7	-.00331	.00408	7.9557	-.00089	13.960	-.00926	-.00070
#2	.05965	-.00253	1118.3	.00203	.00373	7.9713	-.00033	13.899	-.00718	-.00083
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.03462**	**.00599**	**.00673**	**.00027**
Stddev	.00059	.01394	.00100	.00054	.00138
%RSD	153.41	40.267	16.724	8.0646	514.03
#1	.00003	.02477	.00528	.00635	.00125
#2	-.00080	.04448	.00669	.00711	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3793.1**	**52450.**	**4219.0**
Stddev	.4	377.	8.8
%RSD	.01090	.71893	.20916
#1	3792.8	52717.	4212.7
#2	3793.3	52184.	4225.2

Sample Name: 280-27124-A-4-B Acquired: 4/2/2012 16:25:00 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00104**	**.00512**	**-.00032**	**1.7047**	**.01619**	**.00003**	**-.00531**	**473.31**	**.00059**	**.00053**
Stddev	.00017	.00139	.00312	.0121	.00013	.00005	.00366	3.79	.00009	.00008
%RSD	16.119	27.181	985.66	.71026	.79280	152.72	68.890	.80170	15.942	14.468
#1	-.00116	.00414	-.00252	1.7133	.01628	.00007	-.00789	470.62	.00066	.00058
#2	-.00092	.00611	.00189	1.6961	.01610	.00000	-.00272	475.99	.00053	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00483**	**.01884**	**17.782**	**.64771**	**305.75**	**.16119**	**.00114**	W **1072.0**	**.00682**
Stddev	.00023	.00026	.00759	.064	.00245	2.09	.00043	.00039	.1	.00044
%RSD	29.945	5.3724	40.281	.36235	.37752	.68498	.26726	34.343	.01381	6.4900
#1	.00094	.00465	.02420	17.736	.64598	304.27	.16089	.00142	1071.9	.00714
#2	.00061	.00501	.01347	17.827	.64944	307.24	.16149	.00086	1072.1	.00651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05900**	**-.00156**	**1114.8**	**-.00184**	**.00595**	**7.8908**	**.00004**	W **13.712**	**-.00960**	**-.00079**
Stddev	.00240	.00229	8.8	.00117	.00207	.0359	.00111	.106	.00232	.00026
%RSD	4.0725	146.90	.78809	63.897	34.759	.45502	2515.1	.77145	24.129	33.339
#1	.05730	.00006	1121.0	-.00267	.00449	7.9162	-.00074	13.637	-.00796	-.00097
#2	.06070	-.00318	1108.6	-.00101	.00741	7.8654	.00083	13.786	-.01123	-.00060
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00225**	**.01191**	**.00620**	**.00587**	**.00153**
Stddev	.00317	.00841	.00003	.00095	.00005
%RSD	141.06	70.630	.49305	16.184	3.4692
#1	-.00449	.00596	.00618	.00654	.00149
#2	-.00001	.01785	.00622	.00520	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3807.8**	**52732.**	**4253.0**
Stddev	.1	141.	.1
%RSD	.00338	.26691	.00207
#1	3807.7	52832.	4253.1
#2	3807.9	52633.	4253.0

Sample Name: 280-27124-A-5-B Acquired: 4/2/2012 16:28:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.17429**	**-.00253**	**2.1329**	**.02261**	**-.00001**	**-.00187**	**180.19**	**.00051**	**-.00006**
Stddev	.00004	.00074	.00115	.0042	.00001	.00002	.00109	.14	.00005	.00024
%RSD	8.8030	.42471	45.398	.19712	.06448	132.75	58.183	.07867	8.9732	381.83
#1	-.00044	.17481	-.00334	2.1359	.02262	.00000	-.00263	180.29	.00048	-.00023
#2	-.00049	.17376	-.00172	2.1299	.02260	-.00002	-.00110	180.09	.00054	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00423**	**.15931**	**12.264**	**.36419**	**99.221**	**.00351**	**.00062**	W **538.59**	**.01491**
Stddev	.00030	.00009	.00055	.060	.00053	.049	.00001	.00040	1.16	.00009
%RSD	41.113	2.2302	.34280	.48991	.14480	.04902	.17658	65.226	.21552	.58821
#1	.00051	.00430	.15892	12.307	.36382	99.255	.00352	.00090	539.41	.01497
#2	.00093	.00416	.15970	12.222	.36457	99.187	.00351	.00033	537.77	.01485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02727**	**-.00093**	**516.87**	**-.00358**	**.00616**	**4.3602**	**.00065**	**7.3412**	**-.00855**	**.00040**
Stddev	.00321	.00041	1.02	.00129	.00099	.0368	.00000	.0922	.00021	.00032
%RSD	11.764	43.827	.19644	36.059	16.023	.84342	.47504	1.2559	2.4720	80.563
#1	.02500	-.00122	517.58	-.00266	.00546	4.3342	.00065	7.4064	-.00870	.00062
#2	.02954	-.00064	516.15	-.00449	.00685	4.3862	.00065	7.2760	-.00840	.00017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00172**	**-.02019**	**.00215**	**.00502**	**.00077**
Stddev	.00034	.00331	.00023	.00022	.00028
%RSD	19.687	16.390	10.741	4.3293	36.057
#1	-.00148	-.01785	.00199	.00517	.00097
#2	-.00196	-.02252	.00231	.00486	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3996.8**	**55354.**	**4297.9**
Stddev	6.0	138.	4.9
%RSD	.14951	.24952	.11305
#1	3992.6	55256.	4294.5
#2	4001.1	55452.	4301.4

Sample Name: 280-27111-E-1-B Acquired: 4/2/2012 16:31:47 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**.00384**	**.03577**	**.21836**	**.06645**	**.00006**	**-.00993**	**92.988**	**.00043**	**-.00026**
Stddev	.00009	.00078	.00202	.00150	.00010	.00009	.00451	.304	.00025	.00004
%RSD	6.4312	20.275	5.6406	.68817	.14646	151.30	45.353	.32691	59.810	17.052
#1	-.00139	.00329	.03434	.21942	.06652	.00012	-.01312	92.773	.00025	-.00029
#2	-.00127	.00439	.03720	.21729	.06639	.00000	-.00675	93.203	.00061	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**.00337**	**.01142**	**4.2576**	**.02652**	**22.144**	**-.00014**	**.02212**	**144.04**	**.00045**
Stddev	.00024	.00022	.00050	.0465	.00071	.010	.00004	.00023	.83	.00054
%RSD	14.213	6.4203	4.3370	1.0918	2.6904	.04538	25.515	1.0243	.57885	118.30
#1	.00154	.00322	.01177	4.2247	.02602	22.151	-.00012	.02229	143.45	.00083
#2	.00189	.00353	.01107	4.2905	.02703	22.137	-.00017	.02196	144.63	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06333**	**.00106**	**63.735**	**-.00084**	**.00231**	**30.790**	**-.00083**	**1.1299**	**-.00739**	**-.00091**
Stddev	.00441	.00141	.208	.00047	.00298	.131	.00020	.0039	.00158	.00032
%RSD	6.9562	132.53	.32659	55.388	129.06	.42437	24.269	.34718	21.316	35.094
#1	.06022	.00007	63.882	-.00117	.00441	30.698	-.00068	1.1271	-.00628	-.00068
#2	.06645	.00206	63.588	-.00051	.00020	30.883	-.00097	1.1327	-.00851	-.00114
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.16563**	**.10880**	**.00382**	**-.00197**
Stddev	.00006	.00758	.00010	.00014	.00241
%RSD	13.125	4.5754	.08771	3.5427	121.99
#1	.00043	.16027	.10873	.00372	-.00027
#2	.00052	.17099	.10886	.00391	-.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.9**	**58044.**	**4318.2**
Stddev	4.9	28.	14.7
%RSD	.11753	.04839	.33991
#1	4139.4	58025.	4328.6
#2	4146.3	58064.	4307.8

Sample Name: sd 280-27111-E-1-B@5 Acquired: 4/2/2012 16:34:15 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00076**	**.00696**	**.04865**	**.01290**	**.00008**	**-.00528**	**18.697**	**.00017**	**-.00026**
Stddev	.00039	.00027	.00079	.00049	.00005	.00007	.00203	.015	.00017	.00011
%RSD	75.784	35.167	11.424	1.0088	.38115	91.012	38.394	.08199	102.73	42.528
#1	-.00079	.00094	.00639	.04900	.01293	.00003	-.00671	18.708	.00005	-.00034
#2	-.00024	.00057	.00752	.04830	.01287	.00013	-.00385	18.686	.00029	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00205**	**.01378**	**.79624**	**.00711**	**4.5879**	**-.00033**	**.00430**	**29.547**	**.00012**
Stddev	.00003	.00050	.00095	.05347	.00131	.0124	.00000	.00028	.403	.00001
%RSD	2.9252	24.328	6.8974	6.7158	18.450	.26970	.10725	6.6260	1.3626	11.108
#1	.00091	.00240	.01445	.75843	.00618	4.5966	-.00033	.00410	29.263	.00011
#2	.00095	.00169	.01311	.83405	.00804	4.5791	-.00033	.00450	29.832	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**-.00066**	**12.707**	**-.00059**	**-.00270**	**6.1338**	**-.00019**	**.22944**	**-.00679**	**-.00102**
Stddev	.00169	.00034	.023	.00041	.00189	.0116	.00001	.00018	.00039	.00019
%RSD	14.226	51.740	.17893	70.256	69.870	.18942	7.4894	.07916	5.6837	19.106
#1	.01308	-.00090	12.723	-.00029	-.00404	6.1420	-.00018	.22957	-.00652	-.00088
#2	.01069	-.00042	12.691	-.00088	-.00137	6.1256	-.00019	.22931	-.00706	-.00116
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.02071**	**.02166**	**.00296**	**.00111**
Stddev	.00153	.00202	.00028	.00004	.00181
%RSD	1046.9	9.7783	1.2941	1.2351	163.07
#1	.00094	.01927	.02147	.00293	.00239
#2	-.00123	.02214	.02186	.00298	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4329.5**	**61164.**	**4386.4**
Stddev	1.8	94.	27.8
%RSD	.04212	.15443	.63273
#1	4330.7	61098.	4366.8
#2	4328.2	61231.	4406.0

Sample Name: 280-27111-E-1-C MS Acquired: 4/2/2012 16:36:46 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05239**	**2.1086**	**1.1112**	**1.2527**	**2.0998**	**.05137**	**2.1008**	**138.65**	**.10801**	**.49279**
Stddev	.00046	.0086	.0024	.0005	.0014	.00017	.0016	.00	.00009	.00132
%RSD	.88208	.40827	.21699	.04095	.06580	.33085	.07425	.00302	.08389	.26797
#1	.05272	2.1147	1.1129	1.2530	2.0988	.05125	2.0997	138.64	.10794	.49373
#2	.05206	2.1025	1.1095	1.2523	2.1007	.05150	2.1019	138.65	.10807	.49186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20489**	**.27072**	**1.1852**	**57.806**	**1.0694**	**71.776**	**.50920**	**1.0470**	**187.42**	**.50949**
Stddev	.00020	.00087	.0016	.015	.0002	.029	.00162	.0034	.17	.00095
%RSD	.09827	.32260	.13730	.02643	.02288	.04028	.31739	.32374	.09269	.18694
#1	.20503	.27134	1.1864	57.795	1.0693	71.756	.51034	1.0494	187.54	.51016
#2	.20475	.27010	1.1841	57.816	1.0696	71.797	.50805	1.0446	187.30	.50881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.026**	**.49832**	**60.899**	**.53510**	**2.1499**	**39.465**	**1.9769**	**2.1287**	**.99799**	**1.0175**
Stddev	.024	.00299	.003	.00276	.0088	.059	.0097	.0007	.00143	.0030
%RSD	.21513	.59998	.00429	.51633	.40998	.14881	.48933	.03395	.14295	.29557
#1	11.043	.50043	60.901	.53706	2.1561	39.506	1.9837	2.1282	.99900	1.0197
#2	11.009	.49620	60.898	.53315	2.1436	39.423	1.9700	2.1293	.99698	1.0154
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9540**	**2.2121**	**.60877**	**.51066**	**.49582**
Stddev	.0059	.0202	.00285	.00187	.00028
%RSD	.29977	.91140	.46843	.36604	.05557
#1	1.9581	2.1978	.61079	.51198	.49601
#2	1.9498	2.2263	.60676	.50934	.49562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.7**	**57020.**	**4314.1**
Stddev	37.3	91.	6.1
%RSD	.91497	.15991	.14068
#1	4051.4	57084.	4309.8
#2	4104.1	56955.	4318.4

Sample Name: 280-27111-E-1-D MSD Acquired: 4/2/2012 16:39:00 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05190**	**2.1115**	**1.1119**	**1.2510**	**2.1021**	**.05141**	**2.1013**	**138.69**	**.10807**	**.49394**
Stddev	.00018	.0046	.0028	.0045	.0072	.00017	.0021	.27	.00006	.00146
%RSD	.35613	.21906	.25572	.36226	.34429	.32380	.09903	.19302	.05550	.29535
#1	.05204	2.1082	1.1099	1.2542	2.1072	.05153	2.1028	138.88	.10803	.49497
#2	.05177	2.1147	1.1139	1.2478	2.0970	.05130	2.0998	138.50	.10812	.49291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20302**	**.27204**	**1.0295**	**57.848**	**1.0691**	**72.109**	**.51191**	**1.0475**	**188.32**	**.51017**
Stddev	.00070	.00008	.0042	.147	.0026	.072	.00012	.0021	.66	.00207
%RSD	.34287	.02859	.41193	.25342	.24056	.09953	.02439	.19667	.34917	.40619
#1	.20351	.27210	1.0325	57.952	1.0709	72.058	.51182	1.0490	188.79	.51163
#2	.20253	.27199	1.0265	57.744	1.0673	72.159	.51199	1.0461	187.86	.50870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.040**	**.49947**	**60.810**	**.53204**	**2.1481**	**39.412**	**1.9754**	**2.1300**	**1.0029**	**1.0204**
Stddev	.024	.00186	.025	.00499	.0072	.145	.0025	.0072	.0009	.0014
%RSD	.21293	.37211	.04139	.93877	.33549	.36768	.12430	.33946	.09331	.13385
#1	11.057	.50078	60.827	.53557	2.1532	39.514	1.9771	2.1351	1.0036	1.0194
#2	11.023	.49816	60.792	.52850	2.1430	39.309	1.9737	2.1249	1.0023	1.0214
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9598**	**2.2409**	**.61088**	**.50445**	**.49774**
Stddev	.0140	.0271	.00003	.00175	.00085
%RSD	.71605	1.2097	.00451	.34667	.17138
#1	1.9697	2.2217	.61086	.50569	.49713
#2	1.9499	2.2601	.61090	.50322	.49834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4088.5**	**56889.**	**4310.5**
Stddev	40.7	69.	21.2
%RSD	.99440	.12108	.49183
#1	4059.8	56938.	4325.5
#2	4117.3	56841.	4295.5

Sample Name: CCVH-1338467 Acquired: 4/2/2012 16:41:14 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**50.616**	**-.00013**	**.00834**	**.00056**	**.00007**	**1.0251**	**.07065**	**-.00169**	**.00193**	**.00057**	**.00416**	**51.564**
Stddev	.00085	.146	.00035	.00101	.00022	.00010	.0039	.00859	.00007	.00000	.00008	.00002	.204
%RSD	122.26	.28868	263.10	12.079	40.203	139.67	.38238	12.164	4.3587	.17191	14.837	.38818	.39607
#1	.00009	50.719	.00012	.00905	.00071	.00015	1.0278	.07673	-.00164	.00194	.00051	.00417	51.708
#2	.00130	50.512	-.00038	.00762	.00040	.00000	1.0223	.06458	-.00174	.00193	.00063	.00415	51.419
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04131**	**.00648**	**-.02455**	**-.00093**	**.00007**	**257.42**	**.00245**	**.01041**	**.00125**	**5.4303**	**-.00629**	**-.00356**	**.01309**
Stddev	.06764	.00127	.00227	.00012	.00017	1.23	.00001	.00154	.00029	.0002	.00089	.00416	.00516
%RSD	163.75	19.547	9.2356	13.418	226.93	.47707	.39972	14.748	23.322	.00382	14.066	116.99	39.404
#1	.08914	.00558	-.02294	-.00102	-.00005	258.28	.00246	.00933	.00105	5.4301	-.00692	-.00061	.00944
#2	-.00652	.00737	-.02615	-.00084	.00019	256.55	.00244	.01150	.00146	5.4304	-.00567	-.00650	.01674
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**.00124**	**4.9809**	**.00345**	**.00564**	**10.154**	**.00762**	**.00561**	**-.02954**
Stddev	.00004	.00009	.0164	.00016	.00053	.000	.00020	.00021	.00034
%RSD	.91191	7.0192	.32944	4.7295	9.4008	.00407	2.6191	3.7644	1.1496
#1	.00393	.00117	4.9693	.00357	.00527	10.154	.00748	.00576	-.02930
#2	.00388	.00130	4.9925	.00334	.00602	10.154	.00776	.00546	-.02978
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4228.9**	**58279.**	**4283.8**
Stddev	73.3	136.	6.3
%RSD	1.7342	.23265	.14648
#1	4177.0	58375.	4279.4
#2	4280.7	58183.	4288.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 16:43:41 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50991**	F **.55921**	**1.0373**	**.53000**	**.50036**	**.50056**	**.00269**	**5.0550**	**.51898**	**.50617**	**.49962**	**.52454**
Stddev	.00045	.00238	.0001	.00081	.00081	.00057	.00024	.0051	.00015	.00065	.00010	.00114
%RSD	.08894	.42565	.01117	.15374	.16251	.11328	9.0466	.10041	.02902	.12907	.02061	.21778
#1	.51023	.55753	1.0372	.52942	.49978	.50096	.00252	5.0586	.51909	.50571	.49970	.52535
#2	.50959	.56090	1.0374	.53058	.50093	.50016	.00287	5.0515	.51888	.50663	.49955	.52373
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5252**	**51.494**	**1.0194**	**20.839**	**.50225**	**.50222**	**5.1996**	**.51783**	**1.0536**	**1.0333**	**.03405**	**1.0473**
Stddev	.0052	.079	.0010	.005	.00016	.00055	.0186	.00028	.0024	.0003	.00128	.0008
%RSD	.20618	.15292	.09394	.02551	.03233	.10977	.35697	.05394	.22706	.02418	3.7627	.07471
#1	2.5289	51.439	1.0201	20.843	.50237	.50261	5.2127	.51803	1.0519	1.0334	.03496	1.0478
#2	2.5215	51.550	1.0188	20.835	.50214	.50183	5.1865	.51763	1.0553	1.0331	.03315	1.0467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0708**	**5.1132**	**.98834**	**.51205**	**-.00489**	**.49559**	**1.0577**	**-.00388**	**.49088**	**.50713**	**.49750**
Stddev	.0025	.0170	.00074	.00034	.00014	.00006	.0015	.01077	.00066	.00004	.00340
%RSD	.23047	.33227	.07481	.06561	2.7973	.01176	.14530	277.56	.13434	.00842	.68404
#1	1.0726	5.1252	.98782	.51228	-.00499	.49563	1.0588	-.01150	.49041	.50716	.49990
#2	1.0691	5.1011	.98886	.51181	-.00480	.49555	1.0566	.00374	.49135	.50710	.49509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4356.4**	**60808.**	**4395.6**
Stddev	1.0	72.	29.2
%RSD	.02325	.11785	.66518
#1	4355.7	60858.	4374.9
#2	4357.1	60757.	4416.3

Sample Name: CCB Acquired: 4/2/2012 16:46:02 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**-.00023**	**-.00077**	F **.00339**	W **-.00077**	**.00006**	**-.00321**	**.00160**	**.00036**	**-.00024**
Stddev	.00081	.00101	.00029	.00016	.00016	.00003	.00092	.00614	.00012	.00001
%RSD	125.37	448.49	38.137	4.7384	20.451	44.513	28.807	385.16	33.206	2.6564
#1	-.00122	.00049	-.00056	.00328	-.00066	.00004	-.00386	-.00275	.00027	-.00025
#2	-.00007	-.00094	-.00098	.00351	-.00088	.00007	-.00255	.00594	.00044	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312	.00058					
Low Limit				-.00312	-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00127**	**.00057**	**-.03247**	F **.00555**	W **-.01945**	F **-.00053**	**.00084**	F **.17594**	**-.00049**
Stddev	.00001	.00011	.00130	.01530	.00104	.00082	.00002	.00026	.01771	.00016
%RSD	6.5007	8.6866	226.24	47.121	18.666	4.2406	4.4093	31.516	10.063	32.824
#1	.00013	.00119	.00149	-.02165	.00628	-.02003	-.00051	.00065	.16342	-.00037
#2	.00015	.00135	-.00034	-.04329	.00481	-.01887	-.00054	.00102	.18846	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit					.00522	.01070	.00051		.10000	
Low Limit					-.00522	-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.00133**	**.02922**	W **.00390**	**-.00030**	**-.00039**	**-.00008**	**.00011**	**-.00630**	**-.00047**
Stddev	.00093	.00143	.00077	.00112	.00072	.01395	.00104	.00009	.00125	.00003
%RSD	68.923	107.82	2.6246	28.625	242.64	3574.2	1231.4	85.442	19.839	7.0039
#1	-.00201	.00032	.02976	.00311	.00021	.00947	-.00082	.00018	-.00718	-.00045
#2	-.00069	.00234	.02868	.00469	-.00081	-.01025	.00065	.00004	-.00541	-.00049
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.01400**	**-.00044**	**.00217**	**-.00081**
Stddev	.00029	.03565	.00054	.00002	.00004
%RSD	96.373	254.58	122.14	.88158	5.1203
#1	.00051	.01120	-.00083	.00219	-.00078
#2	.00010	-.03921	-.00006	.00216	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4293.0**	**61424.**	**4325.7**
Stddev	2.8	81.	7.2
%RSD	.06636	.13201	.16578
#1	4295.0	61482.	4330.7
#2	4290.9	61367.	4320.6

Sample Name: CCVL1341782 Acquired: 4/2/2012 16:48:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00922**	**.11477**	**.01676**	**.10539**	**.00970**	**.00113**	**.11118**	**.22303**	**.00529**	**.01007**	**.00999**
Stddev	.00004	.00097	.00180	.00054	.00052	.00005	.00232	.00390	.00009	.00012	.00001
%RSD	.38387	.84617	10.748	.51056	5.3469	4.7088	2.0893	1.7503	1.7807	1.1542	.07088
#1	.00919	.11408	.01803	.10577	.01007	.00109	.10954	.22027	.00535	.00999	.01000
#2	.00924	.11546	.01549	.10501	.00934	.00117	.11282	.22579	.00522	.01015	.00999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01773**	**.10863**	**3.0899**	F **.01396**	**.19875**	**.00995**	**.01993**	**1.1666**	**.04236**	**3.0729**	**.01017**
Stddev	.00002	.00002	.0263	.00184	.00189	.00007	.00018	.0097	.00042	.0002	.00050
%RSD	.09637	.01479	.85281	13.184	.94867	.69168	.91061	.83064	.99263	.00636	4.9317
#1	.01774	.10864	3.0713	.01526	.20009	.00990	.02005	1.1597	.04266	3.0728	.01052
#2	.01771	.10862	3.1085	.01266	.19742	.01000	.01980	1.1734	.04206	3.0731	.00981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03237**	**.01017**	**.01399**	**.48955**	**.10135**	**.01045**	F **.00718**	**.00926**	**.01402**	**.06604**	**.00925**
Stddev	.00118	.00363	.00082	.01114	.00008	.00008	.00099	.00058	.00072	.00530	.00024
%RSD	3.6400	35.689	5.8948	2.2759	.08217	.74655	13.750	6.2711	5.1268	8.0231	2.5712
#1	.03320	.01273	.01341	.49743	.10141	.01039	.00788	.00885	.01352	.06229	.00908
#2	.03154	.00760	.01458	.48167	.10129	.01050	.00648	.00967	.01453	.06978	.00942
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.01500				
Range							-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.02436**	**.01661**
Stddev	.00001	.00096
%RSD	.03792	5.7876
#1	.02435	.01729
#2	.02436	.01593
Check ?	Chk Warn	Chk Pass
Value	.02000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4405.1**	**62143.**	**4385.9**
Stddev	5.8	227.	4.7
%RSD	.13156	.36483	.10638
#1	4409.2	61983.	4382.6
#2	4401.0	62304.	4389.2

Sample Name: MB 280-113464/1-A Acquired: 4/2/2012 16:51:07 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.00497**	**-.00108**	**.00101**	**-.00115**	**.00012**	**-.00335**	**.00349**	**.00032**	**-.00042**
Stddev	.00008	.00051	.00124	.00050	.00037	.00005	.00167	.00039	.00001	.00015
%RSD	8.7317	10.305	115.59	49.178	31.908	41.739	49.944	11.211	3.8152	36.095
#1	-.00088	.00461	-.00196	.00136	-.00089	.00008	-.00454	.00321	.00031	-.00052
#2	-.00099	.00533	-.00020	.00066	-.00141	.00015	-.00217	.00376	.00032	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00161**	**-.00087**	**-.07684**	**.00302**	**-.01861**	**-.00057**	**.00006**	**.09505**	**-.00045**
Stddev	.00029	.00018	.00442	.05866	.00141	.00082	.00002	.00021	.01268	.00013
%RSD	380.05	11.205	508.79	76.343	46.727	4.4184	2.9943	334.50	13.339	28.663
#1	.00013	.00174	-.00400	-.03536	.00401	-.01919	-.00055	-.00009	.10402	-.00036
#2	-.00028	.00148	.00226	-.11832	.00202	-.01803	-.00058	.00021	.08609	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00019**	**.01611**	**.00053**	W **-.00693**	**-.02181**	**-.00048**	**.00005**	W **-.00642**	**-.00056**
Stddev	.00284	.00087	.00167	.00129	.00054	.00416	.00042	.00001	.00178	.00023
%RSD	865.52	462.08	10.363	244.14	7.8361	19.074	87.230	28.754	27.763	40.269
#1	-.00168	-.00080	.01493	.00144	-.00655	-.01887	-.00018	.00006	-.00768	-.00072
#2	.00233	.00043	.01730	-.00038	-.00732	-.02475	-.00077	.00004	-.00516	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500				.00500	
Low Limit					-.00500				-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**-.00541**	**-.00064**	**.00221**	**-.00124**
Stddev	.00095	.00570	.00022	.00027	.00032
%RSD	85.335	105.34	33.974	12.121	25.753
#1	-.00179	-.00138	-.00049	.00202	-.00101
#2	-.00044	-.00944	-.00079	.00240	-.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4397.6**	**62652.**	**4401.8**
Stddev	.4	112.	8.7
%RSD	.00983	.17847	.19764
#1	4397.9	62731.	4395.7
#2	4397.3	62572.	4408.0

Sample Name: LCS 280-113464/2-A Acquired: 4/2/2012 16:53:39 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05093**	**2.1557**	**1.0534**	**1.0284**	**2.0441**	**.05152**	**2.1137**	**50.960**	**.10735**	**.50172**
Stddev	.00051	.0094	.0046	.0000	.0003	.00003	.0007	.065	.00047	.00027
%RSD	1.0020	.43652	.43863	.00294	.01593	.05079	.03302	.12823	.43448	.05445
#1	.05057	2.1491	1.0501	1.0284	2.0443	.05154	2.1132	51.006	.10702	.50153
#2	.05129	2.1624	1.0567	1.0284	2.0439	.05150	2.1142	50.913	.10768	.50191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20362**	**.26676**	**1.0246**	**53.097**	**1.0433**	**51.646**	**.51447**	**1.0217**	**51.748**	**.51805**
Stddev	.00009	.00024	.0021	.175	.0019	.094	.00043	.0014	.157	.00106
%RSD	.04391	.08816	.19994	.32939	.18499	.18114	.08385	.13490	.30322	.20535
#1	.20368	.26693	1.0260	53.220	1.0446	51.580	.51417	1.0207	51.637	.51730
#2	.20356	.26660	1.0231	52.973	1.0419	51.712	.51478	1.0227	51.859	.51880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.815**	**.51380**	**.02277**	**.52206**	**2.1087**	**10.310**	**1.9767**	**1.0543**	**.99918**	**1.0074**
Stddev	.015	.00099	.00376	.00272	.0099	.000	.0003	.0004	.00083	.0020
%RSD	.14045	.19348	16.521	.52019	.46827	.00007	.01722	.04263	.08294	.20030
#1	10.805	.51450	.02543	.52014	2.1017	10.310	1.9769	1.0546	.99977	1.0060
#2	10.826	.51310	.02011	.52398	2.1157	10.310	1.9765	1.0540	.99859	1.0089
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0502**	**2.0959**	**.50765**	**.50623**	**.49536**
Stddev	.0001	.0089	.00047	.00144	.00217
%RSD	.00481	.42641	.09194	.28511	.43806
#1	2.0503	2.0895	.50798	.50725	.49383
#2	2.0502	2.1022	.50732	.50521	.49690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4269.2**	**59751.**	**4402.6**
Stddev	1.5	64.	35.8
%RSD	.03495	.10662	.81360
#1	4268.2	59796.	4377.2
#2	4270.3	59706.	4427.9

Sample Name: 280-27091-AH-8-A@100 Acquired: 4/2/2012 16:55:57 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.00160**	**-.00143**	**.08393**	**.00012**	**.00011**	**-.00228**	**9.6468**	**.00004**	**-.00038**
Stddev	.00016	.00007	.00456	.00007	.00050	.00011	.00198	.0101	.00002	.00029
%RSD	14.135	4.6659	319.67	.08563	417.55	98.478	87.037	.10481	56.383	75.438
#1	-.00121	.00166	-.00465	.08398	.00047	.00018	-.00088	9.6539	.00006	-.00018
#2	-.00099	.00155	.00180	.08388	-.00023	.00003	-.00368	9.6396	.00003	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00198**	**.00725**	**9.0437**	**.06437**	**13.103**	**.00237**	**.00131**	**284.39**	**.00048**
Stddev	.00001	.00040	.00135	.0166	.00129	.028	.00006	.00033	.28	.00048
%RSD	1.6799	20.338	18.549	.18388	1.9987	.21020	2.3243	25.122	.09983	99.602
#1	.00052	.00169	.00630	9.0554	.06528	13.083	.00241	.00108	284.59	.00014
#2	.00051	.00226	.00820	9.0319	.06346	13.122	.00233	.00155	284.19	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00026**	**23.287**	**-.00192**	**.00145**	**.23557**	**.00053**	**.34023**	**-.00692**	**-.00045**
Stddev	.00161	.00025	.074	.00153	.00181	.00515	.00057	.00031	.00046	.00033
%RSD	123.79	99.113	.31816	79.575	125.21	2.1857	107.13	.09245	6.5904	73.053
#1	.00016	.00044	23.234	-.00300	.00017	.23193	.00013	.34046	-.00724	-.00022
#2	.00244	.00008	23.339	-.00084	.00273	.23921	.00093	.34001	-.00660	-.00068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00254**	**.00407**	**-.00022**	**.00306**	**.00066**
Stddev	.00123	.02839	.00016	.00005	.00037
%RSD	48.364	697.53	72.188	1.6362	56.873
#1	.00167	-.01601	-.00011	.00302	.00039
#2	.00341	.02415	-.00033	.00310	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4190.4**	**58049.**	**4348.5**
Stddev	8.8	167.	4.2
%RSD	.21046	.28813	.09608
#1	4196.6	58167.	4345.6
#2	4184.1	57931.	4351.5

Sample Name: sd 27091-AH-8-A@500 Acquired: 4/2/2012 16:58:27 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**-.00043**	**.00237**	**.01764**	**-.00031**	**.00011**	**-.00049**	**1.9413**	**.00001**	**-.00016**
Stddev	.00007	.00027	.00356	.00026	.00017	.00004	.00491	.0040	.00004	.00003
%RSD	13.408	61.002	150.21	1.4885	55.374	34.356	1007.3	.20766	696.93	16.855
#1	-.00055	-.00025	.00489	.01746	-.00043	.00013	-.00396	1.9385	-.00002	-.00018
#2	-.00045	-.00062	-.00015	.01783	-.00019	.00008	.00298	1.9442	.00004	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00204**	**.00929**	**1.6540**	**.01461**	**2.6788**	**.00009**	**.00001**	**57.601**	**.00017**
Stddev	.00015	.00006	.00037	.0276	.00062	.0119	.00001	.00032	.303	.00011
%RSD	34.983	2.7988	3.9948	1.6670	4.2664	.44359	13.574	4186.1	.52680	65.885
#1	.00032	.00208	.00956	1.6345	.01505	2.6704	.00010	.00023	57.386	.00025
#2	.00053	.00200	.00903	1.6735	.01417	2.6873	.00008	-.00022	57.816	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00129**	**4.5420**	**-.00095**	**-.00456**	**.03679**	**.00033**	**.06859**	**-.00719**	**-.00040**
Stddev	.00190	.00006	.0166	.00099	.00187	.02202	.00026	.00027	.00004	.00005
%RSD	340.36	4.6227	.36515	104.73	41.083	59.862	79.586	.39017	.58717	11.853
#1	.00078	.00133	4.5303	-.00025	-.00324	.02122	.00051	.06840	-.00722	-.00044
#2	-.00190	.00125	4.5537	-.00165	-.00589	.05236	.00014	.06878	-.00716	-.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00183**	**-.00834**	**-.00048**	**.00287**	**-.00072**
Stddev	.00083	.02126	.00023	.00041	.00016
%RSD	45.067	255.03	48.902	14.216	21.955
#1	-.00241	-.02337	-.00031	.00258	-.00061
#2	-.00125	.00670	-.00064	.00316	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4336.4**	**60962.**	**4376.8**
Stddev	5.9	117.	2.0
%RSD	.13627	.19215	.04575
#1	4340.6	61045.	4378.2
#2	4332.3	60879.	4375.4

Sample Name: 27091-AH-8-B MS@100 Acquired: 4/2/2012 17:00:58 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00070**	**.02265**	**.01299**	**.09408**	**.02045**	**.00051**	**.02092**	**10.340**	**.00124**	**.00532**
Stddev	.00010	.00047	.00227	.00060	.00007	.00011	.00127	.037	.00013	.00010
%RSD	14.746	2.0671	17.494	.63487	.35181	22.405	6.0828	.35821	10.560	1.8569
#1	-.00077	.02232	.01460	.09366	.02040	.00043	.02182	10.314	.00115	.00539
#2	-.00063	.02298	.01138	.09450	.02050	.00059	.02002	10.366	.00133	.00525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00262**	**.00501**	**.01554**	**9.7407**	**.07369**	**13.897**	**.00768**	**.01062**	**290.86**	**.00556**
Stddev	.00009	.00014	.00093	.0933	.00408	.021	.00007	.00012	1.27	.00024
%RSD	3.3634	2.7577	5.9768	.95808	5.5429	.15125	.87552	1.1166	.43519	4.3738
#1	.00256	.00491	.01620	9.6747	.07658	13.882	.00772	.01054	289.96	.00573
#2	.00268	.00511	.01489	9.8067	.07080	13.911	.00763	.01070	291.75	.00539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12030**	**.00733**	**23.680**	**.00414**	**.01809**	**.36498**	**.02044**	**.35713**	**.00083**	**.01009**
Stddev	.00092	.00118	.012	.00276	.00807	.02145	.00005	.00106	.00148	.00070
%RSD	.76321	16.056	.05211	66.768	44.619	5.8777	.24456	.29639	178.71	6.9424
#1	.12094	.00816	23.671	.00218	.01238	.34981	.02040	.35639	-.00022	.01059
#2	.11965	.00650	23.688	.00609	.02380	.38015	.02047	.35788	.00187	.00960
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02081**	**.00680**	**.00549**	**.00849**	**.00260**
Stddev	.00194	.01288	.00034	.00043	.00156
%RSD	9.3380	189.56	6.1545	5.0505	60.002
#1	.02218	.01590	.00573	.00819	.00150
#2	.01943	-.00231	.00525	.00879	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4183.8**	**58192.**	**4341.2**
Stddev	9.5	37.	2.3
%RSD	.22619	.06431	.05311
#1	4190.4	58219.	4339.6
#2	4177.1	58166.	4342.8

Sample Name: 27091-AH-8-C MSD@100 Acquired: 4/2/2012 17:03:29 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.02186**	**.01013**	**.09560**	**.02106**	**.00060**	**.02225**	**10.583**	**.00136**	**.00538**
Stddev	.00054	.00040	.00050	.00031	.00006	.00010	.00167	.022	.00007	.00003
%RSD	233.93	1.8346	4.9737	.32737	.29486	17.366	7.5010	.20947	4.9879	.59360
#1	-.00061	.02158	.01049	.09538	.02102	.00053	.02343	10.598	.00131	.00540
#2	.00015	.02215	.00977	.09582	.02111	.00067	.02107	10.567	.00140	.00536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00489**	**.02688**	**9.9803**	**.07553**	**14.148**	**.00803**	**.01094**	**300.28**	**.00561**
Stddev	.00003	.00007	.00272	.0259	.00028	.005	.00002	.00014	.21	.00002
%RSD	1.1002	1.5313	10.114	.25949	.37254	.03522	.27100	1.3142	.07034	.43126
#1	.00284	.00483	.02881	9.9986	.07573	14.145	.00801	.01083	300.43	.00559
#2	.00280	.00494	.02496	9.9620	.07534	14.152	.00804	.01104	300.13	.00563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11926**	**.00429**	**24.220**	**.00308**	**.01512**	**.35167**	**.02084**	**.36524**	**.00300**	**.01015**
Stddev	.00052	.00129	.120	.00042	.00125	.02453	.00103	.00029	.00120	.00032
%RSD	.43711	30.137	.49489	13.479	8.2892	6.9758	4.9251	.07919	39.940	3.1855
#1	.11889	.00520	24.135	.00338	.01601	.33432	.02011	.36504	.00385	.01038
#2	.11962	.00337	24.304	.00279	.01424	.36902	.02156	.36545	.00215	.00993
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02066**	**.00434**	**.00590**	**.00896**	**.00296**
Stddev	.00124	.00809	.00040	.00067	.00146
%RSD	6.0176	186.43	6.8337	7.4821	49.354
#1	.02153	.01006	.00562	.00944	.00399
#2	.01978	-.00138	.00619	.00849	.00193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4167.4**	**58035.**	**4320.8**
Stddev	7.7	12.	4.7
%RSD	.18389	.02089	.10764
#1	4172.8	58026.	4317.5
#2	4161.9	58044.	4324.1

Sample Name: CCVH-1338467 Acquired: 4/2/2012 17:06:00 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**49.629**	**-.00119**	**.00149**	**-.00029**	**.00007**	**1.0096**	**.01025**	**-.00165**	**.00202**	**.00074**	**.00414**	**50.694**
Stddev	.00060	.242	.00163	.00040	.00015	.00010	.0007	.00282	.00010	.00021	.00040	.00029	.192
%RSD	63.006	.48730	136.23	26.755	51.560	134.18	.07147	27.465	5.8104	10.534	53.422	7.0104	.37817
#1	.00053	49.800	-.00234	.00177	-.00018	.00014	1.0101	.00826	-.00158	.00187	.00046	.00393	50.830
#2	.00138	49.458	-.00004	.00121	-.00039	.00000	1.0091	.01225	-.00171	.00218	.00102	.00434	50.559
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06020**	**.00574**	**-.04204**	**-.00110**	**-.00126**	**253.20**	**.00195**	**.00693**	**-.00063**	**5.2941**	**-.00621**	**-.00458**	**.01060**
Stddev	.00206	.00154	.00452	.00010	.00004	1.60	.00011	.00126	.00121	.0021	.00098	.00146	.00019
%RSD	3.4160	26.809	10.745	9.0529	2.8306	.63069	5.8126	18.193	191.58	.03883	15.836	31.957	1.7954
#1	-.06165	.00683	-.04524	-.00117	-.00123	254.33	.00203	.00782	-.00149	5.2927	-.00552	-.00561	.01047
#2	-.05875	.00465	-.03885	-.00103	-.00128	252.07	.00187	.00604	.00022	5.2956	-.00691	-.00354	.01073
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00253**	**.00036**	**4.8874**	**.00315**	**.00243**	**9.9465**	**.00752**	**.00223**	**-.02619**
Stddev	.00085	.00005	.0040	.00006	.00101	.0073	.00023	.00096	.00244
%RSD	33.608	14.349	.08083	1.8939	41.649	.07322	3.1185	42.824	9.3116
#1	.00193	.00032	4.8846	.00311	.00315	9.9413	.00768	.00156	-.02791
#2	.00314	.00039	4.8902	.00320	.00172	9.9516	.00735	.00291	-.02446
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4279.7**	**59325.**	**4349.2**
Stddev	2.6	53.	32.6
%RSD	.05974	.08868	.74898
#1	4277.9	59288.	4326.2
#2	4281.5	59363.	4372.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 17:08:29 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50663**	F **.55563**	**1.0288**	**.52256**	**.49717**	**.50013**	**-.00023**	**5.0232**	**.51682**	**.50333**	**.49667**	**.52342**
Stddev	.00074	.00323	.0048	.00093	.00060	.00012	.00068	.0027	.00085	.00003	.00035	.00019
%RSD	.14508	.58120	.46293	.17823	.12066	.02308	298.29	.05282	.16534	.00666	.07088	.03591
#1	.50715	.55335	1.0254	.52190	.49675	.50005	-.00071	5.0213	.51622	.50335	.49642	.52329
#2	.50611	.55791	1.0322	.52321	.49760	.50021	.00025	5.0251	.51742	.50331	.49692	.52355
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5104**	**51.225**	**1.0158**	**20.800**	**.50176**	**.49883**	**5.1389**	**.51493**	**1.0504**	**1.0299**	**.01136**	**1.0423**
Stddev	.0092	.087	.0031	.006	.00030	.00087	.0176	.00039	.0008	.0014	.00212	.0037
%RSD	.36647	.16996	.30228	.02658	.06072	.17399	.34297	.07498	.07242	.13578	18.710	.35973
#1	2.5169	51.163	1.0137	20.796	.50197	.49944	5.1513	.51520	1.0510	1.0289	.00985	1.0397
#2	2.5039	51.287	1.0180	20.804	.50154	.49821	5.1264	.51465	1.0499	1.0308	.01286	1.0450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0654**	**5.0299**	**.98354**	**.51025**	**-.00731**	**.49068**	**1.0551**	**-.00777**	**.48644**	**.50391**	**.49675**
Stddev	.0075	.0011	.00532	.00011	.00087	.00012	.0006	.01249	.00039	.00023	.00085
%RSD	.70415	.02123	.54141	.02079	11.868	.02493	.06189	160.73	.08060	.04509	.17071
#1	1.0601	5.0307	.97978	.51017	-.00792	.49076	1.0555	-.01660	.48617	.50407	.49735
#2	1.0707	5.0291	.98731	.51032	-.00670	.49059	1.0546	.00106	.48672	.50375	.49615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4357.7**	**60583.**	**4356.8**
Stddev	5.0	28.	39.9
%RSD	.11478	.04540	.91650
#1	4361.2	60564.	4385.1
#2	4354.1	60603.	4328.6

Sample Name: CCB Acquired: 4/2/2012 17:10:48 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00100**	**-.00158**	**-.00028**	**.00042**	**-.00036**	**.00008**	**-.00496**	**-.00168**	**.00022**	**-.00016**
Stddev	.00005	.00015	.00057	.00078	.00023	.00007	.00019	.00192	.00003	.00005
%RSD	4.6307	9.6940	203.87	185.17	63.787	83.589	3.8614	114.23	12.693	34.116
#1	-.00104	-.00147	-.00068	.00097	-.00052	.00013	-.00482	-.00032	.00020	-.00012
#2	-.00097	-.00168	.00012	-.00013	-.00020	.00003	-.00510	-.00304	.00024	-.00019
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093									
Low Limit	-.00093									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	W **.00148**	**-.00104**	**-.05754**	W **.00266**	W **-.01933**	F **-.00053**	**.00079**	F **.11087**	**-.00045**
Stddev	.00007	.00008	.00202	.00784	.00081	.00088	.00003	.00027	.00790	.00008
%RSD	48.562	5.6893	194.16	13.625	30.588	4.5521	6.3466	34.158	7.1269	18.125
#1	-.00019	.00142	.00039	-.05200	.00324	-.01871	-.00051	.00060	.11646	-.00039
#2	-.00009	.00154	-.00247	-.06309	.00209	-.01996	-.00055	.00099	.10528	-.00050
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136			.00261	.01070	.00051		.10000	
Low Limit		-.00136			-.00261	-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**-.00010**	**.00839**	**.00301**	**.00188**	**-.00492**	**.00071**	**.00017**	**-.00689**	W **-.00063**
Stddev	.00172	.00068	.00411	.00147	.00271	.01668	.00027	.00000	.00050	.00029
%RSD	169.03	670.38	48.934	48.769	143.74	339.23	37.882	2.9421	7.3092	46.471
#1	.00224	-.00058	.00549	.00405	.00380	-.01671	.00052	.00017	-.00653	-.00043
#2	-.00020	.00038	.01130	.00197	-.00003	.00688	.00090	.00017	-.00725	-.00084
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										.00060
Low Limit										-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00669**	**-.00048**	**.00226**	**-.00041**
Stddev	.00032	.01264	.00070	.00018	.00012
%RSD	204.78	189.01	145.97	7.9020	27.917
#1	.00007	-.00225	-.00097	.00238	-.00033
#2	-.00038	.01563	.00002	.00213	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4308.1**	**61471.**	**4297.4**
Stddev	10.5	121.	1.8
%RSD	.24411	.19669	.04143
#1	4300.7	61385.	4298.7
#2	4315.5	61556.	4296.1

Sample Name: CCVL1341782 Acquired: 4/2/2012 17:13:21 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00894**	**.11916**	**.01668**	**.10328**	**.00906**	**.00104**	**.11117**	**.20226**	**.00543**	**.01019**	**.00994**
Stddev	.00006	.00946	.00141	.00010	.00049	.00003	.00211	.00177	.00022	.00007	.00003
%RSD	.70110	7.9378	8.4369	.09494	5.3953	2.7733	1.8952	.87282	4.0473	.70680	.32134
#1	.00889	.11248	.01569	.10321	.00941	.00106	.11266	.20101	.00528	.01014	.00997
#2	.00898	.12585	.01768	.10335	.00872	.00102	.10968	.20351	.00559	.01024	.00992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01761**	**.10046**	**2.9601**	W **.01288**	**.19268**	**.00980**	**.01977**	**1.0934**	**.04179**	**3.0747**	**.00938**
Stddev	.00015	.00172	.0058	.00036	.00228	.00004	.00004	.0082	.00007	.0037	.00062
%RSD	.85978	1.7103	.19522	2.8209	1.1850	.41065	.21447	.75311	.16577	.11929	6.6118
#1	.01772	.09924	2.9642	.01314	.19430	.00977	.01974	1.0876	.04184	3.0772	.00894
#2	.01750	.10167	2.9561	.01262	.19107	.00983	.01980	1.0992	.04174	3.0721	.00982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01393**	**.00953**	W **.01122**	**.50788**	**.10069**	**.01044**	F **.00696**	**.00921**	**.01534**	**.06600**	**.00853**
Stddev	.00843	.00041	.00042	.00936	.00015	.00015	.00013	.00025	.00050	.06103	.00008
%RSD	60.506	4.3097	3.7256	1.8433	.14789	1.4353	1.8860	2.7241	3.2752	92.467	.93191
#1	.00797	.00982	.01092	.51450	.10058	.01055	.00686	.00904	.01499	.10916	.00848
#2	.01989	.00924	.01151	.50126	.10079	.01034	.00705	.00939	.01570	.02285	.00859
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02247**	**.01644**
Stddev	.00045	.00130
%RSD	2.0226	7.8851
#1	.02215	.01553
#2	.02280	.01736
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4431.6**	**62528.**	**4416.1**
Stddev	1.4	29.	31.6
%RSD	.03202	.04686	.71456
#1	4430.6	62508.	4438.4
#2	4432.6	62549.	4393.8

Sample Name: 280-27093-AA-1-A@100 Acquired: 4/2/2012 17:15:51 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00096**	**-.00096**	**-.00325**	**.08546**	**-.00037**	**.00013**	**-.00001**	**13.973**	**.00004**	**-.00002**
Stddev	.00016	.00010	.00209	.00018	.00004	.00011	.00184	.014	.00006	.00004
%RSD	16.882	10.832	64.340	.20562	11.646	86.915	21551.	.09713	160.28	263.25
#1	-.00108	-.00088	-.00177	.08533	-.00034	.00021	.00130	13.982	-.00001	.00001
#2	-.00085	-.00103	-.00473	.08558	-.00040	.00005	-.00131	13.963	.00008	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00260**	**.00799**	**7.6090**	**.05667**	**16.271**	**-.00048**	**.00046**	**302.95**	**.00019**
Stddev	.00001	.00004	.00206	.0334	.00294	.041	.00001	.00029	.46	.00016
%RSD	.88422	1.6817	25.745	.43844	5.1969	.25309	1.8933	64.430	.15247	80.740
#1	.00057	.00257	.00944	7.5854	.05458	16.301	-.00047	.00025	303.28	.00008
#2	.00057	.00263	.00653	7.6326	.05875	16.242	-.00049	.00066	302.62	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**-.00048**	**28.889**	**-.00150**	**-.00477**	**.14474**	**-.00049**	**.36691**	**-.00715**	**-.00090**
Stddev	.00492	.00052	.023	.00066	.00958	.01881	.00093	.00087	.00103	.00044
%RSD	596.20	108.45	.08026	43.773	200.94	12.994	192.37	.23831	14.475	49.055
#1	-.00431	-.00011	28.873	-.00196	-.01154	.15803	-.00115	.36753	-.00641	-.00059
#2	.00266	-.00084	28.905	-.00103	.00201	.13144	.00018	.36629	-.00788	-.00121
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**-.00888**	**.00009**	**.00250**	**-.00034**
Stddev	.00096	.00945	.00019	.00025	.00086
%RSD	210.32	106.36	210.95	9.8887	249.78
#1	-.00022	-.00220	.00022	.00267	.00026
#2	.00114	-.01556	-.00004	.00232	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4181.1**	**57918.**	**4319.5**
Stddev	6.9	134.	5.4
%RSD	.16521	.23181	.12537
#1	4186.0	57823.	4315.6
#2	4176.3	58013.	4323.3

Sample Name: 27093-AA-1-B MS@100 Acquired: 4/2/2012 17:18:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.02216**	**.01209**	**.09488**	**.02092**	**.00060**	**.01897**	**14.353**	**.00138**	**.00536**
Stddev	.00023	.00034	.00175	.00070	.00020	.00004	.00264	.023	.00005	.00011
%RSD	29.977	1.5426	14.485	.73358	.95660	7.4308	13.913	.15962	3.2896	2.0622
#1	-.00061	.02192	.01333	.09537	.02077	.00056	.02084	14.369	.00135	.00544
#2	-.00094	.02240	.01086	.09439	.02106	.00063	.01711	14.336	.00141	.00528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00261**	**.00519**	**.01836**	**8.1380**	**.06659**	**16.632**	**.00497**	**.01147**	**300.49**	**.00552**
Stddev	.00002	.00038	.00173	.0425	.00082	.008	.00000	.00032	.10	.00026
%RSD	.65000	7.3109	9.4018	.52177	1.2296	.04690	.07850	2.8245	.03228	4.7654
#1	.00262	.00545	.01714	8.1680	.06717	16.627	.00496	.01170	300.42	.00533
#2	.00259	.00492	.01958	8.1079	.06601	16.638	.00497	.01124	300.56	.00571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12084**	**.00550**	**28.539**	**.00281**	**.01569**	**.26211**	**.01872**	**.37398**	**.00236**	**.01006**
Stddev	.00029	.00041	.038	.00112	.00268	.02569	.00129	.00042	.00047	.00039
%RSD	.23847	7.5411	.13226	39.677	17.107	9.8000	6.8830	.11206	20.087	3.8317
#1	.12064	.00579	28.512	.00360	.01758	.28027	.01963	.37427	.00202	.00979
#2	.12105	.00521	28.566	.00202	.01379	.24394	.01781	.37368	.00269	.01033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02021**	**.02954**	**.00549**	**.00852**	**.00511**
Stddev	.00084	.01448	.00004	.00013	.00151
%RSD	4.1512	49.002	.63830	1.5060	29.593
#1	.02080	.03978	.00547	.00843	.00404
#2	.01962	.01931	.00551	.00861	.00618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4183.5**	**58017.**	**4316.1**
Stddev	7.9	132.	6.6
%RSD	.18993	.22715	.15237
#1	4189.1	58110.	4311.5
#2	4177.8	57924.	4320.8

Sample Name: 27093-AA-1-C MSD@100 Acquired: 4/2/2012 17:20:54 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**.02172**	**.01028**	**.09240**	**.02024**	**.00063**	**.01997**	**13.958**	**.00113**	**.00500**
Stddev	.00016	.00105	.00129	.00008	.00044	.00010	.00092	.008	.00011	.00008
%RSD	24.567	4.8336	12.540	.08499	2.1919	16.483	4.6262	.05819	9.8694	1.6810
#1	-.00075	.02246	.01120	.09234	.02055	.00056	.02062	13.964	.00121	.00494
#2	-.00053	.02097	.00937	.09245	.01993	.00071	.01932	13.952	.00106	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00250**	**.00520**	**.01834**	**7.9371**	**.06660**	**16.218**	**.00479**	**.01086**	**291.46**	**.00575**
Stddev	.00008	.00043	.00243	.0280	.00021	.051	.00000	.00006	.34	.00027
%RSD	3.2747	8.2911	13.229	.35260	.31082	.31658	.03327	.56414	.11542	4.6257
#1	.00244	.00489	.01662	7.9173	.06675	16.182	.00479	.01081	291.22	.00556
#2	.00256	.00550	.02005	7.9569	.06645	16.254	.00479	.01090	291.70	.00593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11805**	**.00490**	**27.800**	**.00449**	**.01671**	**.26501**	**.01975**	**.36413**	**.00203**	**.00942**
Stddev	.00118	.00092	.039	.00056	.00414	.01544	.00017	.00066	.00086	.00025
%RSD	1.0023	18.698	.14168	12.494	24.788	5.8251	.85402	.18020	42.510	2.6541
#1	.11889	.00425	27.828	.00488	.01378	.25409	.01963	.36459	.00264	.00924
#2	.11721	.00555	27.772	.00409	.01964	.27592	.01987	.36366	.00142	.00960
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02105**	**.02151**	**.00544**	**.00862**	**.00461**
Stddev	.00043	.00338	.00050	.00001	.00268
%RSD	2.0188	15.702	9.1408	.07198	58.102
#1	.02075	.01912	.00580	.00862	.00272
#2	.02135	.02390	.00509	.00861	.00651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4177.5**	**58150.**	**4332.9**
Stddev	5.3	59.	10.6
%RSD	.12568	.10206	.24503
#1	4181.2	58192.	4325.4
#2	4173.7	58108.	4340.5

Sample Name: 280-27093-M-2-A@100 Acquired: 4/2/2012 17:23:25 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**-.00106**	**.00077**	**.08787**	**-.00028**	**.00008**	**-.00171**	**13.015**	**.00014**	**-.00010**
Stddev	.00000	.00146	.00513	.00078	.00010	.00004	.00191	.044	.00005	.00000
%RSD	.30115	137.74	669.71	.88223	34.035	51.759	111.91	.33842	40.033	4.6898
#1	-.00108	-.00003	.00440	.08732	-.00021	.00011	-.00306	13.046	.00010	-.00010
#2	-.00107	-.00209	-.00286	.08842	-.00035	.00005	-.00036	12.984	.00018	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00246**	**.00713**	**6.2374**	**.04987**	**14.779**	**.00022**	**.00045**	**278.49**	**.00042**
Stddev	.00000	.00016	.00082	.0160	.00319	.001	.00006	.00035	1.00	.00020
%RSD	.04895	6.5297	11.516	.25599	6.4005	.00770	26.699	78.225	.35828	47.895
#1	.00049	.00258	.00771	6.2487	.04761	14.780	.00026	.00070	279.20	.00056
#2	.00049	.00235	.00655	6.2261	.05213	14.778	.00018	.00020	277.79	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00057**	**28.005**	**-.00047**	**-.00159**	**.14144**	**.00031**	**.34582**	**-.00598**	**-.00080**
Stddev	.00094	.00142	.029	.00110	.00387	.00896	.00057	.00045	.00245	.00018
%RSD	516.81	248.61	.10278	233.03	243.06	6.3336	187.16	.12873	41.004	23.199
#1	.00084	.00043	27.984	-.00125	-.00432	.13510	-.00010	.34614	-.00424	-.00093
#2	-.00048	-.00157	28.025	.00031	.00114	.14777	.00071	.34551	-.00771	-.00067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.01151**	**-.00006**	**.00346**	**-.00079**
Stddev	.00042	.06126	.00044	.00047	.00123
%RSD	109.67	532.46	758.32	13.547	154.92
#1	.00009	-.05483	-.00037	.00379	.00008
#2	.00067	.03181	.00025	.00313	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4193.9**	**58126.**	**4327.5**
Stddev	.9	195.	10.1
%RSD	.02160	.33612	.23432
#1	4194.6	57988.	4320.3
#2	4193.3	58264.	4334.6

Sample Name: 280-27093-M-3-A@100 Acquired: 4/2/2012 17:25:57 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**-.00069**	**-.00110**	**.08813**	**-.00053**	**.00002**	**-.00116**	**13.055**	**-.00009**	**-.00029**
Stddev	.00035	.00007	.00002	.00015	.00022	.00004	.00500	.042	.00033	.00012
%RSD	42.833	9.4556	1.8024	.16900	41.925	222.48	432.52	.32269	348.57	40.022
#1	-.00057	-.00064	-.00109	.08802	-.00037	-.00001	-.00469	13.025	-.00033	-.00021
#2	-.00107	-.00073	-.00112	.08823	-.00069	.00004	.00238	13.085	.00014	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00279**	**.00429**	**6.2933**	**.05126**	**14.814**	**.00023**	**.00060**	**279.73**	**.00008**
Stddev	.00003	.00028	.00219	.0109	.00017	.023	.00009	.00023	.22	.00001
%RSD	5.1845	9.8831	50.980	.17240	.32797	.15591	41.029	38.156	.07774	15.944
#1	.00053	.00260	.00583	6.2856	.05114	14.831	.00029	.00044	279.88	.00009
#2	.00057	.00299	.00274	6.3010	.05138	14.798	.00016	.00076	279.57	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**-.00160**	**28.114**	**-.00081**	**-.00124**	**.15911**	**.00043**	**.34724**	**-.00936**	**-.00103**
Stddev	.00069	.00048	.027	.00549	.00375	.00481	.00017	.00001	.00019	.00015
%RSD	133.46	29.704	.09610	676.15	302.05	3.0234	40.061	.00196	2.0640	14.441
#1	-.00100	-.00127	28.095	-.00470	.00141	.16251	.00031	.34723	-.00950	-.00113
#2	-.00003	-.00194	28.133	.00307	-.00390	.15571	.00056	.34724	-.00923	-.00092
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00400**	**-.00017**	**.00291**	**.00086**
Stddev	.00042	.00677	.00006	.00021	.00016
%RSD	332.73	169.32	33.714	7.1336	18.115
#1	-.00017	-.00879	-.00021	.00276	.00097
#2	.00043	.00079	-.00013	.00305	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4194.9**	**58327.**	**4341.9**
Stddev	.6	65.	32.4
%RSD	.01499	.11087	.74521
#1	4195.3	58282.	4364.7
#2	4194.4	58373.	4319.0

Sample Name: 280-27093-M-4-A@100 Acquired: 4/2/2012 17:28:27 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**-.00036**	**-.00127**	**.08916**	**-.00058**	**.00010**	**-.00399**	**13.186**	**.00001**	**-.00004**
Stddev	.00095	.00129	.00322	.00044	.00025	.00008	.00143	.009	.00001	.00006
%RSD	71.777	356.73	252.99	.48829	43.559	82.216	35.854	.06456	131.75	135.08
#1	-.00065	.00055	-.00355	.08947	-.00040	.00004	-.00298	13.192	.00000	-.00009
#2	-.00200	-.00127	.00100	.08885	-.00076	.00016	-.00500	13.180	.00001	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00286**	**.00548**	**6.1455**	**.05121**	**16.155**	**.00083**	**.00065**	**265.37**	**.00020**
Stddev	.00001	.00060	.00213	.0107	.00011	.028	.00002	.00010	.55	.00041
%RSD	.90371	21.111	38.815	.17434	.20935	.17184	1.9209	15.090	.20684	203.03
#1	.00062	.00329	.00699	6.1531	.05129	16.175	.00084	.00058	265.76	-.00009
#2	.00063	.00243	.00398	6.1380	.05114	16.135	.00082	.00072	264.98	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**-.00069**	**27.205**	**-.00146**	W **-.00526**	**.15123**	**-.00059**	**.35571**	**-.00771**	**-.00068**
Stddev	.00017	.00068	.005	.00062	.00540	.00488	.00055	.00031	.00076	.00011
%RSD	11.291	99.108	.01969	42.641	102.82	3.2297	93.411	.08688	9.8063	16.018
#1	-.00159	-.00117	27.201	-.00102	-.00908	.14777	-.00020	.35593	-.00824	-.00060
#2	-.00135	-.00021	27.209	-.00190	-.00143	.15468	-.00098	.35549	-.00717	-.00075
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.01257**	**.00007**	**.00323**	**-.00211**
Stddev	.00060	.00934	.00014	.00020	.00156
%RSD	7338.4	74.315	205.46	6.1801	74.171
#1	-.00041	.01918	.00017	.00337	-.00100
#2	.00043	.00596	-.00003	.00309	-.00321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4197.3**	**58380.**	**4321.4**
Stddev	4.1	82.	6.2
%RSD	.09687	.14062	.14302
#1	4194.5	58322.	4325.8
#2	4200.2	58438.	4317.0

Sample Name: CCVH-1338467 Acquired: 4/2/2012 17:31:00 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**49.708**	**-.00079**	**.00041**	**-.00071**	**.00000**	**1.0134**	**.00806**	**-.00170**	**.00194**	**.00049**	**.00516**	**50.880**
Stddev	.00025	.103	.00019	.00041	.00013	.00003	.0038	.00151	.00001	.00025	.00003	.00005	.189
%RSD	51.105	.20774	23.748	100.89	19.003	2714.7	.37558	18.757	.63514	12.858	6.5206	1.0276	.37220
#1	.00032	49.635	-.00093	.00012	-.00061	-.00002	1.0107	.00699	-.00169	.00176	.00051	.00512	50.746
#2	.00068	49.781	-.00066	.00070	-.00080	.00002	1.0161	.00913	-.00171	.00211	.00046	.00520	51.014
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03591**	**.00522**	**-.04634**	**-.00103**	**-.00136**	**254.80**	**.00193**	**.00531**	**.00261**	**5.3563**	**-.00599**	**-.00825**	**-.00541**
Stddev	.01753	.00113	.00182	.00008	.00012	.41	.00023	.00073	.00149	.0192	.00278	.00404	.01087
%RSD	48.808	21.612	3.9251	7.4062	8.8532	.16041	11.861	13.770	56.997	.35880	46.442	48.995	200.97
#1	-.04830	.00442	-.04762	-.00098	-.00127	254.51	.00209	.00479	.00156	5.3427	-.00403	-.01111	.00228
#2	-.02351	.00601	-.04505	-.00109	-.00144	255.09	.00176	.00583	.00366	5.3699	-.00796	-.00539	-.01309
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**.00037**	**4.8736**	**.00285**	**.00250**	**10.010**	**.00799**	**.00208**	**-.02510**
Stddev	.00013	.00001	.0103	.00042	.00054	.026	.00022	.00008	.00089
%RSD	5.3648	1.8208	.21032	14.639	21.410	.26436	2.7658	4.0783	3.5463
#1	.00247	.00037	4.8808	.00315	.00212	10.029	.00783	.00214	-.02573
#2	.00229	.00036	4.8663	.00256	.00288	9.9917	.00815	.00202	-.02447
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4310.8**	**59859.**	**4364.5**
Stddev	.7	170.	.5
%RSD	.01714	.28425	.01193
#1	4311.4	59738.	4364.1
#2	4310.3	59979.	4364.9

Sample Name: CCV-1338469 Acquired: 4/2/2012 17:33:28 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50233**	F **.55753**	**1.0405**	**.52269**	**.49971**	**.50483**	**.00111**	**5.0477**	**.51656**	**.50353**	**.49708**	**.52420**
Stddev	.00018	.00417	.0012	.00229	.00144	.00090	.00017	.0143	.00112	.00051	.00071	.00044
%RSD	.03501	.74860	.11168	.43845	.28908	.17856	15.444	.28332	.21766	.10101	.14284	.08323
#1	.50246	.55458	1.0397	.52107	.49868	.50420	.00099	5.0376	.51577	.50317	.49658	.52451
#2	.50221	.56048	1.0413	.52431	.50073	.50547	.00123	5.0578	.51736	.50389	.49758	.52390
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5227**	**51.839**	**1.0244**	**20.871**	**.50374**	**.49989**	**5.1804**	**.51725**	**1.0526**	**1.0315**	**-.00004**	**1.0475**
Stddev	.0015	.004	.0023	.020	.00155	.00129	.0084	.00065	.0019	.0016	.00390	.0040
%RSD	.05999	.00828	.22089	.09795	.30755	.25777	.16206	.12652	.18386	.15256	9022.9	.38653
#1	2.5238	51.836	1.0260	20.857	.50264	.49897	5.1745	.51679	1.0540	1.0303	.00272	1.0446
#2	2.5217	51.842	1.0228	20.885	.50483	.50080	5.1864	.51771	1.0513	1.0326	-.00280	1.0503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0761**	**5.0796**	**.97909**	**.51682**	**-.00580**	**.48921**	**1.0529**	**-.03062**	**.48359**	**.50471**	**.49953**
Stddev	.0012	.0314	.00137	.00131	.00034	.00197	.0024	.01680	.00058	.00024	.00087
%RSD	.11555	.61826	.13997	.25407	5.8645	.40221	.22413	54.878	.12091	.04847	.17459
#1	1.0753	5.0574	.97812	.51589	-.00604	.48782	1.0512	-.04250	.48318	.50488	.50015
#2	1.0770	5.1019	.98006	.51775	-.00556	.49060	1.0546	-.01874	.48401	.50454	.49891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4380.3**	**61124.**	**4375.6**
Stddev	2.8	9.	8.5
%RSD	.06451	.01450	.19487
#1	4378.3	61118.	4381.7
#2	4382.3	61131.	4369.6

Sample Name: CCB Acquired: 4/2/2012 17:35:46 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**-.00092**	**.00059**	**-.00073**	W **-.00076**	**.00010**	**-.00350**	**-.00164**	W **.00049**	**-.00033**
Stddev	.00086	.00052	.00148	.00010	.00003	.00001	.00045	.00067	.00024	.00016
%RSD	130.79	56.675	251.30	13.508	4.4993	11.904	12.737	41.169	49.098	49.140
#1	-.00126	-.00129	.00164	-.00080	-.00078	.00009	-.00381	-.00116	.00032	-.00044
#2	-.00005	-.00055	-.00046	-.00066	-.00073	.00011	-.00318	-.00211	.00067	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit					.00058				.00045	
Low Limit					-.00058				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	W **.00219**	**-.00239**	**-.06488**	**.00133**	**.00536**	W **-.00036**	**.00073**	F **.13096**	**-.00031**
Stddev	.00024	.00050	.00221	.03625	.00173	.03977	.00032	.00009	.00699	.00004
%RSD	871.52	22.779	92.605	55.862	130.08	742.15	87.856	11.753	5.3351	13.356
#1	-.00020	.00183	-.00395	-.03925	.00011	-.02276	-.00059	.00067	.12602	-.00034
#2	.00014	.00254	-.00082	-.09051	.00255	.03348	-.00014	.00079	.13590	-.00028
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136					.00025		.10000	
Low Limit		-.00136					-.00025		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00236**	**-.00048**	**.00174**	W **.00350**	**-.00461**	**-.02589**	**.00045**	**.00007**	**-.00406**	**-.00016**
Stddev	.00155	.00139	.00771	.00093	.00250	.01874	.00059	.00009	.00246	.00021
%RSD	65.858	286.85	443.34	26.663	54.134	72.390	132.21	124.53	60.755	131.47
#1	-.00345	.00050	.00719	.00284	-.00638	-.03915	.00087	.00001	-.00580	-.00031
#2	-.00126	-.00147	-.00371	.00415	-.00285	-.01264	.00003	.00013	-.00231	-.00001
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.01131**	**.00002**	**.00190**	**.00019**
Stddev	.00001	.01411	.00058	.00002	.00216
%RSD	4.3882	124.82	2571.8	1.1815	1110.3
#1	-.00024	-.00133	-.00039	.00192	.00172
#2	-.00023	-.02128	.00044	.00189	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4346.9**	**61755.**	**4336.5**
Stddev	3.4	61.	9.3
%RSD	.07829	.09849	.21539
#1	4349.3	61712.	4329.8
#2	4344.5	61798.	4343.1

Sample Name: CCVL1341782 Acquired: 4/2/2012 17:38:20 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00874**	**.11449**	**.01367**	**.10340**	**.00886**	**.00104**	**.10864**	**.20302**	**.00515**	**.01008**	**.00991**
Stddev	.00045	.00117	.00063	.00041	.00030	.00000	.00082	.00500	.00008	.00012	.00001
%RSD	5.1622	1.0185	4.5813	.39706	3.3429	.16621	.75319	2.4639	1.5196	1.2223	.14371
#1	.00906	.11367	.01411	.10369	.00865	.00104	.10806	.19948	.00509	.01017	.00992
#2	.00842	.11532	.01323	.10311	.00907	.00103	.10922	.20655	.00521	.01000	.00990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01822**	**.10026**	**2.9720**	W **.01211**	**.19408**	**.00988**	**.02009**	**1.1289**	**.04222**	**3.1062**	**.00948**
Stddev	.00008	.00300	.0076	.00058	.00210	.00004	.00024	.0058	.00016	.0027	.00026
%RSD	.43572	2.9929	.25460	4.8078	1.0838	.40133	1.1846	.51767	.37088	.08586	2.7029
#1	.01817	.10238	2.9667	.01252	.19556	.00985	.02026	1.1247	.04233	3.1043	.00930
#2	.01828	.09814	2.9774	.01169	.19259	.00991	.01992	1.1330	.04211	3.1081	.00966
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	W **.01228**	**.01402**	**.51409**	**.10145**	**.01047**	F **.00731**	**.00866**	**.01686**	**.05757**	**.00946**
Stddev	.00681	.00191	.00129	.00028	.00026	.00004	.00079	.00029	.00018	.00307	.00007
%RSD	787.06	15.570	9.2128	.05494	.25830	.40441	10.740	3.3192	1.0629	5.3331	.68713
#1	-.00568	.01363	.01493	.51390	.10164	.01044	.00787	.00846	.01673	.05974	.00951
#2	.00395	.01093	.01310	.51429	.10127	.01050	.00676	.00887	.01698	.05540	.00941
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000					.01500				
Range		20.000%					-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02233**	**.01655**
Stddev	.00003	.00037
%RSD	.13494	2.2073
#1	.02235	.01630
#2	.02231	.01681
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4445.1**	**62941.**	**4421.3**
Stddev	6.2	57.	6.1
%RSD	.14025	.09023	.13841
#1	4449.5	62900.	4417.0
#2	4440.7	62981.	4425.6

Sample Name: 280-27116-A-4-A@5 Acquired: 4/2/2012 17:40:50 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07759**	**1.0887**	**.48173**	**2.0481**	**.09047**	**.00091**	**-.00192**	**61.987**	**.49160**	**.01902**
Stddev	.00036	.0053	.00637	.0018	.00039	.00011	.00413	.229	.00037	.00002
%RSD	.46419	.48907	1.3232	.08692	.43267	12.614	215.15	.36945	.07444	.07985
#1	.07733	1.0850	.48624	2.0468	.09019	.00083	-.00484	61.825	.49134	.01903
#2	.07784	1.0925	.47723	2.0493	.09075	.00099	.00100	62.149	.49186	.01901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02106**	**.93398**	**6.2109**	W **196.83**	**.20545**	**65.291**	**.44612**	**.19636**	W **2597.3**	**.28287**
Stddev	.00009	.00000	.0294	.83	.00334	.060	.00041	.00016	7.2	.00065
%RSD	.43369	.00014	.47385	.41974	1.6261	.09264	.09119	.08104	.27715	.22926
#1	.02112	.93398	6.1901	196.24	.20309	65.249	.44584	.19647	2592.2	.28333
#2	.02099	.93398	6.2317	197.41	.20781	65.334	.44641	.19625	2602.4	.28241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2744**	**.15814**	**842.98**	**.46752**	**.22390**	**18.932**	**.01908**	**1.5489**	W **-.01092**	**.01981**
Stddev	.0095	.00058	.33	.00086	.00016	.168	.00097	.0050	.00021	.00031
%RSD	.15155	.36619	.03880	.18300	.07118	.88535	5.0853	.32456	1.9169	1.5539
#1	6.2676	.15855	842.74	.46812	.22402	19.051	.01976	1.5453	-.01077	.02003
#2	6.2811	.15773	843.21	.46692	.22379	18.814	.01839	1.5525	-.01107	.01960
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									45.000	
Low Limit									-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**.02270**	**.23211**	W **20.995**	**.00342**
Stddev	.00151	.00893	.00019	.002	.00112
%RSD	50.684	39.327	.07974	.01055	32.695
#1	.00192	.01639	.23224	20.996	.00263
#2	.00406	.02901	.23198	20.993	.00421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3826.2**	**51348.**	**4223.4**
Stddev	1.1	6.	36.4
%RSD	.02877	.01194	.86199
#1	3825.5	51344.	4249.1
#2	3827.0	51352.	4197.6

Sample Name: 280-27116-A-6-A@10 Acquired: 4/2/2012 17:44:00 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05686**	**1.5098**	**.22195**	**.80615**	**.06814**	**.00050**	**-.00513**	**40.318**	**.17170**	**.01245**
Stddev	.00055	.0091	.00346	.00043	.00037	.00004	.00050	.014	.00030	.00020
%RSD	.96217	.60456	1.5577	.05299	.54446	8.5967	9.7033	.03462	.17392	1.6158
#1	.05647	1.5034	.21951	.80585	.06787	.00054	-.00548	40.327	.17191	.01230
#2	.05725	1.5163	.22440	.80646	.06840	.00047	-.00478	40.308	.17149	.01259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01493**	**.59915**	**3.5379**	**67.870**	**.09742**	**27.487**	**.21281**	**.11516**	W **1229.4**	**.15224**
Stddev	.00021	.00198	.0044	.164	.00062	.110	.00071	.00047	.1	.00126
%RSD	1.4245	.33102	.12470	.24211	.63618	.40148	.33576	.41032	.00929	.82504
#1	.01508	.59775	3.5348	67.987	.09786	27.409	.21230	.11549	1229.3	.15313
#2	.01478	.60056	3.5410	67.754	.09698	27.565	.21331	.11482	1229.5	.15135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9056**	**.05760**	**402.01**	**.09368**	**.10364**	**8.8997**	**.00495**	**.81064**	**-.00840**	**.00811**
Stddev	.0056	.00106	.14	.00014	.00150	.0794	.00048	.00136	.00052	.00021
%RSD	.19319	1.8360	.03553	.15197	1.4491	.89215	9.7455	.16775	6.1812	2.6358
#1	2.9016	.05835	402.11	.09378	.10470	8.9558	.00529	.81160	-.00877	.00796
#2	2.9095	.05685	401.91	.09358	.10258	8.8435	.00461	.80968	-.00803	.00826
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00091**	**.10219**	**6.5562**	**.00152**
Stddev	.00080	.01164	.00081	.0260	.00194
%RSD	245.02	1284.4	.79296	.39670	127.61
#1	.00090	.00914	.10276	6.5378	.00015
#2	-.00024	-.00732	.10162	6.5746	.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3963.3**	**54332.**	**4255.3**
Stddev	5.8	171.	6.0
%RSD	.14714	.31406	.14038
#1	3959.1	54453.	4251.1
#2	3967.4	54211.	4259.5

Sample Name: 280-27116-A-8-A@5 Acquired: 4/2/2012 17:47:05 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.10591**	**4.2750**	**.70851**	**1.7172**	**.12528**	**.00086**	**-.00014**	**111.97**	**.83998**	**.03103**
Stddev	.00066	.0252	.00157	.0036	.00012	.00000	.00223	.55	.00275	.00035
%RSD	.62642	.58862	.22180	.20875	.09729	.34429	1620.9	.49383	.32699	1.1376
#1	.10544	4.2572	.70740	1.7197	.12536	.00086	.00144	111.58	.84193	.03128
#2	.10638	4.2928	.70962	1.7147	.12519	.00086	-.00171	112.36	.83804	.03078
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02199**	**1.0055**	**6.4713**	W **101.29**	**.25957**	**72.189**	**.73930**	**.25992**	W **2689.4**	**.30281**
Stddev	.00027	.0005	.0202	.46	.00036	.070	.00119	.00056	14.6	.00006
%RSD	1.2363	.04961	.31198	.45854	.13800	.09679	.16104	.21681	.54379	.02094
#1	.02219	1.0052	6.4571	100.97	.25932	72.140	.73846	.26032	2679.0	.30277
#2	.02180	1.0059	6.4856	101.62	.25982	72.239	.74014	.25952	2699.7	.30286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8043**	**.16217**	**917.27**	**.16367**	**.23491**	**17.192**	**.00770**	**2.3718**	W **-.01019**	**.01441**
Stddev	.0181	.00221	2.59	.00091	.00208	.064	.00163	.0118	.00075	.00039
%RSD	.20531	1.3614	.28231	.55340	.88415	.37513	21.194	.49964	7.3418	2.6859
#1	8.8170	.16061	919.10	.16303	.23344	17.238	.00654	2.3634	-.00966	.01468
#2	8.7915	.16373	915.44	.16431	.23638	17.147	.00885	2.3802	-.01072	.01413
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									45.000	
Low Limit									-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02910**	**.02255**	**.18931**	W **11.934**	**-.00019**
Stddev	.00156	.03640	.00005	.001	.00097
%RSD	5.3685	161.39	.02552	.01086	517.34
#1	.03021	.04829	.18934	11.933	.00050
#2	.02800	-.00318	.18927	11.935	-.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3779.4**	**51060.**	**4226.3**
Stddev	3.9	49.	9.4
%RSD	.10424	.09534	.22220
#1	3782.2	51094.	4232.9
#2	3776.6	51025.	4219.6

Sample Name: 280-27116-A-10-A@5 Acquired: 4/2/2012 17:50:13 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05878**	**4.0998**	**.67179**	**1.2352**	**.13458**	**.00083**	**.00746**	**95.306**	**1.0319**	**.02480**
Stddev	.00062	.0002	.00138	.0012	.00011	.00013	.00082	.069	.0005	.00005
%RSD	1.0548	.00400	.20527	.09314	.08460	16.110	11.056	.07272	.05068	.19542
#1	.05921	4.0999	.67081	1.2360	.13466	.00093	.00687	95.355	1.0323	.02483
#2	.05834	4.0997	.67276	1.2344	.13450	.00074	.00804	95.257	1.0316	.02477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02010**	**.59157**	**5.7587**	W **131.23**	**.20700**	**64.433**	**1.3423**	**.21535**	W **2491.6**	**.32519**
Stddev	.00000	.00093	.0107	.05	.00436	.060	.0009	.00021	1.4	.00056
%RSD	.00487	.15694	.18599	.03563	2.1061	.09352	.06834	.09964	.05672	.17168
#1	.02010	.59091	5.7511	131.19	.20392	64.390	1.3416	.21550	2492.6	.32479
#2	.02010	.59222	5.7663	131.26	.21008	64.476	1.3429	.21520	2490.6	.32558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.592**	**.20981**	**745.24**	**.13549**	**.27460**	**15.997**	**.00555**	**2.1620**	**-.00845**	**.00474**
Stddev	.025	.00119	.04	.00182	.00054	.121	.00086	.0008	.00021	.00009
%RSD	.15194	.56526	.00496	1.3434	.19652	.75915	15.474	.03668	2.4678	1.9942
#1	16.574	.20897	745.26	.13421	.27422	16.083	.00494	2.1626	-.00860	.00481
#2	16.610	.21065	745.21	.13678	.27498	15.911	.00615	2.1615	-.00830	.00467
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01458**	**-.00090**	**.14109**	W **14.380**	**.00050**
Stddev	.00003	.00400	.00008	.012	.00051
%RSD	.23515	442.49	.05551	.08623	103.85
#1	.01461	.00193	.14114	14.371	.00013
#2	.01456	-.00374	.14103	14.389	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3754.7**	**50858.**	**4163.2**
Stddev	12.4	78.	8.9
%RSD	.33073	.15345	.21491
#1	3745.9	50913.	4169.6
#2	3763.5	50803.	4156.9

Sample Name: 280-27116-A-12-A@5 Acquired: 4/2/2012 17:53:19 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05742**	**1.4210**	**.42212**	**1.7202**	**.11999**	**.00076**	**.00138**	**68.571**	**.30678**	**.01551**
Stddev	.00020	.0044	.00661	.0029	.00039	.00004	.00232	.030	.00097	.00012
%RSD	.34182	.31047	1.5658	.16747	.32641	5.4542	168.66	.04321	.31587	.79128
#1	.05728	1.4179	.42679	1.7222	.11971	.00078	.00302	68.592	.30747	.01560
#2	.05755	1.4241	.41745	1.7181	.12026	.00073	-.00027	68.550	.30610	.01542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01428**	**1.1391**	**6.3428**	W **226.62**	**.25403**	**71.557**	**1.3375**	**.22162**	W **2707.1**	**.22584**
Stddev	.00004	.0011	.0020	.05	.00074	.017	.0008	.00131	3.3	.00049
%RSD	.24940	.09411	.03100	.02323	.29122	.02347	.06094	.58893	.12067	.21784
#1	.01430	1.1383	6.3414	226.66	.25351	71.569	1.3381	.22254	2704.8	.22549
#2	.01425	1.1398	6.3442	226.58	.25456	71.545	1.3369	.22069	2709.4	.22618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.413**	**.08753**	**796.93**	**.15850**	**.25014**	**14.219**	**.00462**	**1.8300**	**-.00819**	**.00543**
Stddev	.025	.00076	1.84	.00048	.00326	.128	.00055	.0017	.00146	.00085
%RSD	.23597	.86595	.23147	.30469	1.3020	.89927	11.836	.09315	17.799	15.670
#1	10.431	.08699	798.23	.15884	.25245	14.309	.00501	1.8312	-.00716	.00603
#2	10.396	.08806	795.62	.15816	.24784	14.128	.00423	1.8288	-.00922	.00483
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**-.00518**	**.15673**	W **12.419**	**.00058**
Stddev	.00043	.02066	.00089	.015	.00136
%RSD	54.501	398.69	.56879	.11858	233.04
#1	.00049	.00943	.15736	12.430	.00154
#2	.00110	-.01979	.15610	12.409	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3804.4**	**51359.**	**4242.4**
Stddev	12.0	63.	16.6
%RSD	.31487	.12284	.39035
#1	3812.9	51314.	4254.1
#2	3796.0	51403.	4230.7

Sample Name: 280-27116-A-14-A@5 Acquired: 4/2/2012 17:56:26 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08098**	**.63653**	**.56240**	**1.6415**	**.09493**	**.00061**	**.00172**	**46.347**	**.52764**	**.01132**
Stddev	.00024	.00041	.00041	.0036	.00014	.00006	.00073	.199	.00086	.00013
%RSD	.29036	.06456	.07374	.21934	.14877	10.460	42.576	.42968	.16242	1.1204
#1	.08115	.63624	.56270	1.6441	.09503	.00056	.00120	46.206	.52825	.01123
#2	.08081	.63682	.56211	1.6390	.09483	.00065	.00224	46.488	.52704	.01141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02292**	**.95163**	**7.0764**	W **281.39**	**.23550**	**71.233**	**.75866**	**.23180**	W **2811.5**	**.13564**
Stddev	.00008	.00042	.0207	.79	.00470	.069	.00069	.00050	9.5	.00057
%RSD	.36455	.04448	.29274	.28022	1.9975	.09744	.09114	.21772	.33803	.42220
#1	.02298	.95193	7.0618	280.83	.23217	71.184	.75817	.23216	2804.8	.13523
#2	.02286	.95133	7.0911	281.94	.23883	71.283	.75915	.23145	2818.2	.13604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.5797**	**.05733**	**801.50**	**.33545**	**.23436**	**12.943**	**.00546**	**1.5781**	W **-.01132**	**.01485**
Stddev	.0162	.00183	1.34	.00521	.00084	.063	.00135	.0050	.00011	.00099
%RSD	.24557	3.1923	.16659	1.5520	.35885	.48934	24.619	.31992	1.0002	6.6490
#1	6.5911	.05604	802.44	.33913	.23377	12.988	.00641	1.5745	-.01124	.01416
#2	6.5683	.05863	800.55	.33176	.23496	12.898	.00451	1.5816	-.01140	.01555
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									45.000	
Low Limit									-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.02115**	**.20536**	**8.8195**	**.00176**
Stddev	.00283	.00195	.00053	.0098	.00199
%RSD	103.08	9.2014	.25612	.11060	113.40
#1	.00074	.02252	.20499	8.8126	.00317
#2	.00474	.01977	.20573	8.8264	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3803.1**	**51155.**	**4224.5**
Stddev	8.6	83.	15.6
%RSD	.22565	.16260	.36871
#1	3797.1	51214.	4235.5
#2	3809.2	51096.	4213.5

Sample Name: CCVH-1338467 Acquired: 4/2/2012 17:59:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**49.685**	**-.00106**	**.00597**	**-.00076**	**.00008**	**1.0053**	**.01153**	**-.00164**	**.00193**	**.00073**	**.00568**	**50.755**
Stddev	.00018	.003	.00455	.00003	.00036	.00007	.0087	.00036	.00023	.00004	.00008	.00020	.160
%RSD	37.282	.00633	427.21	.52849	46.847	92.244	.86533	3.1099	14.000	1.9159	10.359	3.4920	.31579
#1	.00060	49.688	.00215	.00595	-.00051	.00013	1.0115	.01127	-.00180	.00190	.00079	.00582	50.868
#2	.00035	49.683	-.00428	.00600	-.00101	.00003	.99918	.01178	-.00148	.00195	.00068	.00554	50.641
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33532**	**.00262**	**-.04855**	**-.00101**	**-.00144**	**256.44**	**.00259**	**.02208**	**.00208**	**5.4306**	**-.00624**	**-.00477**	**.00779**
Stddev	.02984	.00154	.00397	.00003	.00005	.14	.00029	.00158	.00293	.0164	.00109	.00279	.00391
%RSD	8.8977	58.735	8.1765	2.5198	3.4881	.05465	11.234	7.1720	140.69	.30256	17.448	58.530	50.150
#1	.35642	.00153	-.05136	-.00099	-.00147	256.54	.00239	.02320	.00415	5.4422	-.00547	-.00280	.00503
#2	.31422	.00370	-.04574	-.00103	-.00140	256.34	.00280	.02096	.00001	5.4189	-.00701	-.00674	.01055
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00263**	**.00043**	**4.8986**	**.00205**	**.00211**	**10.049**	**.00746**	**.00236**	**-.02281**
Stddev	.00105	.00008	.0053	.00014	.00151	.029	.00057	.00027	.00068
%RSD	40.062	19.315	.10821	6.6321	71.384	.29089	7.7051	11.588	2.9685
#1	.00188	.00037	4.9024	.00215	.00318	10.028	.00705	.00217	-.02234
#2	.00337	.00048	4.8949	.00196	.00105	10.070	.00787	.00256	-.02329
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4354.0**	**60123.**	**4401.9**
Stddev	7.3	69.	20.1
%RSD	.16805	.11490	.45735
#1	4348.9	60074.	4387.7
#2	4359.2	60172.	4416.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 18:02:02 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50341**	F **.56830**	**1.0504**	**.53182**	**.50173**	**.50656**	**-.00026**	**5.0529**	**.52072**	**.50503**	**.49849**	**.52978**
Stddev	.00065	.00354	.0031	.00155	.00141	.00115	.00235	.0139	.00033	.00006	.00006	.00042
%RSD	.12956	.62277	.29329	.29228	.28100	.22650	906.37	.27420	.06343	.01105	.01136	.07904
#1	.50295	.56579	1.0526	.53072	.50074	.50575	.00140	5.0431	.52049	.50507	.49853	.53008
#2	.50387	.57080	1.0483	.53292	.50273	.50737	-.00192	5.0627	.52095	.50500	.49845	.52949
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5382**	**52.350**	**1.0306**	**20.921**	**.50386**	**.50406**	F **5.8910**	**.52075**	**1.0705**	**1.0378**	**.05520**	**1.0615**
Stddev	.0060	.174	.0046	.015	.00067	.00020	.0074	.00106	.0020	.0020	.00311	.0002
%RSD	.23586	.33154	.45011	.07067	.13324	.03943	.12567	.20334	.18737	.19366	5.6281	.01872
#1	2.5339	52.228	1.0273	20.932	.50433	.50392	5.8962	.52000	1.0690	1.0364	.05739	1.0613
#2	2.5424	52.473	1.0339	20.911	.50338	.50420	5.8857	.52150	1.0719	1.0392	.05300	1.0616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0895**	**5.0951**	**.97604**	**.52036**	**-.00526**	**.48915**	**1.0598**	**-.01213**	**.48255**	**.50240**	**.49864**
Stddev	.0040	.0119	.00068	.00242	.00061	.00140	.0007	.03564	.00076	.00136	.00348
%RSD	.37157	.23283	.06948	.46456	11.582	.28719	.06245	293.68	.15842	.27024	.69725
#1	1.0924	5.1035	.97652	.51865	-.00569	.49014	1.0603	.01306	.48309	.50336	.49618
#2	1.0867	5.0867	.97556	.52207	-.00482	.48816	1.0594	-.03733	.48201	.50144	.50110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4409.9**	**61863.**	**4435.3**
Stddev	6.2	84.	4.7
%RSD	.14097	.13641	.10654
#1	4405.5	61923.	4438.6
#2	4414.3	61803.	4431.9

Sample Name: CCB Acquired: 4/2/2012 18:04:22 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00111**	**-.00029**	**-.00012**	W **.00296**	**-.00043**	**.00014**	**-.00413**	**.00305**	**.00023**	**-.00011**
Stddev	.00074	.00023	.00149	.00042	.00015	.00003	.00062	.00303	.00001	.00012
%RSD	66.202	77.372	1258.2	14.357	35.622	24.153	15.093	99.334	6.5206	103.63
#1	-.00163	-.00045	-.00117	.00266	-.00032	.00011	-.00458	.00520	.00024	-.00003
#2	-.00059	-.00013	.00093	.00326	-.00054	.00016	-.00369	.00091	.00022	-.00020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00156						
Low Limit	-.00093			-.00156						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	W **.00197**	**-.00127**	**.08629**	**.00237**	W **-.01561**	F **-.00054**	**.00081**	F **.78156**	**-.00069**
Stddev	.0001	.00058	.00149	.02821	.00032	.00252	.00001	.00006	.00483	.00030
%RSD	3214.0	29.623	117.88	32.696	13.538	16.148	2.2343	6.8740	.61819	43.392
#1	-.00008	.00238	-.00232	.10625	.00214	-.01382	-.00054	.00085	.77814	-.00048
#2	.00007	.00156	-.00021	.06634	.00259	-.01739	-.00053	.00077	.78497	-.00090
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00051		.10000	
Low Limit		-.00136				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00499**	**-.00042**	**.04375**	W **.00389**	**-.00133**	**-.00078**	**.00071**	**.00029**	**-.00615**	W **-.00069**
Stddev	.00094	.00067	.00022	.00050	.00151	.00067	.00024	.00018	.00127	.00021
%RSD	18.873	157.68	.50621	12.748	113.23	85.220	34.439	61.276	20.585	30.368
#1	.00433	.00005	.04360	.00354	-.00239	-.00031	.00054	.00016	-.00705	-.00084
#2	.00566	-.00089	.04391	.00424	-.00026	-.00125	.00088	.00041	-.00526	-.00054
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00314						.00060
Low Limit				-.00314						-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.02382**	**-.00066**	**.00163**	**-.00098**
Stddev	.00012	.02230	.00032	.00039	.00081
%RSD	63.481	93.648	49.080	24.174	82.597
#1	.00011	-.00805	-.00088	.00191	-.00041
#2	.00028	-.03959	-.00043	.00135	-.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4335.6**	**61890.**	**4342.4**
Stddev	5.4	297.	6.3
%RSD	.12433	.47952	.14428
#1	4331.8	61680.	4346.8
#2	4339.4	62099.	4337.9

Sample Name: CCVL1341782 Acquired: 4/2/2012 18:06:55 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00978**	**.11713**	**.01692**	**.10739**	**.00909**	**.00109**	**.10846**	**.21807**	**.00548**	**.01019**	**.01026**
Stddev	.00013	.00062	.00213	.00068	.00039	.00010	.00123	.00274	.00001	.00031	.00003
%RSD	1.2981	.52649	12.600	.63088	4.3401	9.3511	1.1377	1.2558	.19997	3.0354	.29630
#1	.00987	.11670	.01541	.10786	.00937	.00102	.10933	.22001	.00548	.01041	.01028
#2	.00969	.11757	.01843	.10691	.00881	.00116	.10758	.21614	.00547	.00997	.01024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01828**	**.10484**	**3.2728**	F **.01531**	**.19853**	**.01011**	**.02019**	F **1.6526**	**.04315**	**3.1336**	**.00877**
Stddev	.00004	.00085	.0581	.00068	.00228	.00006	.00010	.0223	.00046	.0002	.00049
%RSD	.24382	.80683	1.7762	4.4125	1.1472	.55771	.51411	1.3527	1.0682	.00706	5.5778
#1	.01831	.10424	3.3140	.01579	.20014	.01015	.02026	1.6685	.04348	3.1337	.00911
#2	.01825	.10544	3.2317	.01484	.19692	.01007	.02012	1.6368	.04283	3.1334	.00842
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000				1.0000			
Range	20.000%			30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02918**	**.01118**	**.01496**	**.51810**	**.10165**	**.01069**	F **.00773**	**.00943**	**.01653**	**.05327**	**.00948**
Stddev	.00338	.00002	.00216	.00177	.00144	.00020	.00133	.00023	.00032	.00697	.00049
%RSD	11.574	.20105	14.424	.34258	1.4143	1.8353	17.232	2.4217	1.9056	13.081	5.1315
#1	.03156	.01117	.01649	.51685	.10267	.01055	.00679	.00959	.01631	.05819	.00983
#2	.02679	.01120	.01343	.51936	.10063	.01083	.00867	.00927	.01676	.04834	.00914
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.01500				
Range							-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02233**	**.01614**
Stddev	.00041	.00002
%RSD	1.8173	.13990
#1	.02204	.01616
#2	.02262	.01612
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4426.6**	**62861.**	**4397.1**
Stddev	5.7	162.	7.6
%RSD	.12828	.25828	.17293
#1	4430.6	62747.	4391.8
#2	4422.6	62976.	4402.5

Sample Name: MB 280-113762/1-A Acquired: 4/2/2012 18:09:27 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**.00154**	**.00086**	**.00093**	**-.00071**	**.00008**	**-.00257**	**.02821**	**.00045**	**-.00030**
Stddev	.00009	.00107	.00288	.00033	.00005	.00015	.00171	.00010	.00004	.00004
%RSD	6.8113	69.213	336.22	35.670	7.0973	175.10	66.627	.36014	8.4080	12.845
#1	-.00131	.00230	-.00118	.00116	-.00075	.00019	-.00378	.02814	.00042	-.00027
#2	-.00144	.00079	.00290	.00069	-.00068	-.00002	-.00136	.02828	.00048	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00270**	**.00464**	**.01012**	**.00408**	**-.01685**	**-.00046**	**-.00004**	W **.74574**	**-.00017**
Stddev	.00004	.00009	.00133	.01618	.00212	.00245	.00002	.00014	.01584	.00011
%RSD	82.089	3.3353	28.695	159.97	52.093	14.548	4.5168	333.97	2.1241	67.510
#1	.00002	.00264	.00370	-.00133	.00558	-.01859	-.00045	-.00014	.75694	-.00009
#2	.00008	.00277	.00558	.02156	.00258	-.01512	-.00048	.00006	.73454	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.50000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00774**	**-.00006**	**.04934**	**.00177**	**-.00071**	**.00012**	**.00880**	**.00014**	W **-.00610**	**-.00030**
Stddev	.00043	.00041	.00434	.00001	.00241	.01504	.00009	.00000	.00096	.00015
%RSD	5.5342	685.36	8.8014	.33513	341.50	12044.	1.0726	1.3245	15.770	48.334
#1	.00744	-.00035	.04627	.00177	-.00241	-.01051	.00873	.00014	-.00678	-.00020
#2	.00804	.00023	.05241	.00178	.00100	.01076	.00887	.00014	-.00542	-.00041
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500								.00500	
Low Limit	-.00500								-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	W **-.05119**	**-.00099**	**.00259**	**-.00116**
Stddev	.00020	.01211	.00041	.00039	.00081
%RSD	15.435	23.658	41.262	15.172	69.671
#1	-.00144	-.05975	-.00128	.00287	-.00174
#2	-.00116	-.04262	-.00070	.00231	-.00059
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.05000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4440.2**	**63569.**	**4451.6**
Stddev	2.1	24.	7.6
%RSD	.04735	.03811	.17180
#1	4441.7	63586.	4457.0
#2	4438.7	63551.	4446.2

Sample Name: LCS 280-113762/2-A Acquired: 4/2/2012 18:12:00 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04996**	**2.1547**	**1.0446**	**1.0156**	**2.0167**	**.05156**	**2.0602**	**50.154**	**.10603**	**.49449**
Stddev	.00025	.0000	.0013	.0015	.0019	.00009	.0039	.026	.00007	.00031
%RSD	.50133	.00198	.12192	.14648	.09552	.16688	.18761	.05169	.06630	.06302
#1	.04978	2.1547	1.0437	1.0166	2.0180	.05162	2.0629	50.172	.10608	.49471
#2	.05014	2.1547	1.0455	1.0145	2.0153	.05150	2.0574	50.135	.10598	.49427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19904**	**.26910**	**1.0151**	**53.370**	**1.0439**	**50.921**	**.50906**	**1.0194**	**52.258**	**.51575**
Stddev	.00032	.00091	.0084	.067	.0004	.154	.00101	.0015	.384	.00134
%RSD	.15842	.33634	.82359	.12460	.04216	.30227	.19828	.14810	.73496	.25929
#1	.19926	.26846	1.0210	53.323	1.0436	50.812	.50835	1.0205	52.529	.51669
#2	.19881	.26974	1.0092	53.417	1.0442	51.030	.50978	1.0184	51.986	.51480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.754**	**.50712**	**.05335**	**.51758**	**2.1000**	**1.9407**	**1.9318**	**1.0577**	**.96626**	**.99516**
Stddev	.004	.00041	.00526	.00078	.0068	.0110	.0015	.0005	.00404	.00359
%RSD	.03665	.08127	9.8584	.15124	.32495	.56824	.07623	.04751	.41838	.36066
#1	10.757	.50741	.05707	.51814	2.1048	1.9329	1.9308	1.0581	.96340	.99263
#2	10.751	.50682	.04963	.51703	2.0951	1.9485	1.9329	1.0573	.96912	.99770
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0246**	**2.0666**	**.49119**	**.49622**	**.49945**
Stddev	.0054	.0301	.00273	.00246	.00035
%RSD	.26878	1.4580	.55665	.49632	.06939
#1	2.0284	2.0453	.48926	.49448	.49969
#2	2.0208	2.0879	.49313	.49797	.49920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4246.1**	**59923.**	**4364.0**
Stddev	5.9	49.	5.1
%RSD	.13904	.08167	.11772
#1	4250.3	59957.	4367.6
#2	4241.9	59888.	4360.3

Sample Name: 280-27148-A-1-A Acquired: 4/2/2012 18:14:18 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00157**	**86.458**	**.02455**	**.01437**	**.70837**	**.00107**	**.00444**	**72.557**	**.00189**	**.08678**
Stddev	.00020	.187	.00519	.00063	.00200	.00004	.00077	.202	.00004	.00037
%RSD	12.905	.21686	21.129	4.4185	.28258	3.8439	17.267	.27827	2.3584	.42856
#1	-.00172	86.590	.02088	.01481	.70978	.00110	.00498	72.700	.00185	.08652
#2	-.00143	86.325	.02822	.01392	.70695	.00105	.00389	72.414	.00192	.08705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10798**	**.16863**	**228.27**	**15.595**	**.08370**	**51.071**	**3.4008**	**.00291**	**4.3771**	**.13444**
Stddev	.00030	.00057	.41	.022	.00107	.063	.0059	.00025	.0187	.00102
%RSD	.27476	.33566	.17953	.14284	1.2756	.12331	.17264	8.6662	.42702	.75844
#1	.10777	.16903	228.56	15.611	.08295	51.115	3.4049	.00273	4.3904	.13372
#2	.10819	.16823	227.98	15.579	.08446	51.026	3.3966	.00309	4.3639	.13516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.9066**	**.06008**	**.80088**	**.00623**	F **-.01390**	**5.4789**	**-.01324**	**.33127**	**.02226**	W **15.565**
Stddev	.0149	.00060	.00407	.00096	.00419	.0308	.00002	.00149	.00016	.040
%RSD	.16685	1.0025	.50770	15.434	30.121	.56148	.14723	.44955	.73936	.25716
#1	8.8961	.06051	.80375	.00691	-.01094	5.5007	-.01325	.33232	.02214	15.593
#2	8.9171	.05966	.79800	.00555	-.01686	5.4572	-.01322	.33022	.02238	15.536
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**-.00105**	**.51791**	**.48790**	**.21088**
Stddev	.00075	.00513	.00016	.00033	.00179
%RSD	7.6899	489.07	.03106	.06862	.84706
#1	.01029	-.00468	.51802	.48767	.21215
#2	.00923	.00258	.51779	.48814	.20962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4732.9**	**65890.**	**4824.3**
Stddev	16.3	186.	.5
%RSD	.34502	.28283	.01066
#1	4744.4	65758.	4823.9
#2	4721.3	66022.	4824.6

Sample Name: sd 280-27148-A-1-A@5 Acquired: 4/2/2012 18:16:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**18.898**	**.00739**	**.00405**	**.15455**	**.00030**	**-.00070**	**15.831**	**.00050**	**.02028**
Stddev	.00044	.016	.00043	.00014	.00033	.00010	.00001	.035	.00005	.00003
%RSD	29.060	.08340	5.8168	3.5391	.21434	34.921	1.4362	.21973	9.2172	.16967
#1	-.00121	18.909	.00770	.00415	.15478	.00022	-.00069	15.856	.00054	.02025
#2	-.00184	18.886	.00709	.00395	.15432	.00037	-.00070	15.807	.00047	.02030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02421**	**.03967**	**50.497**	**3.3401**	**.02004**	**11.474**	**.75332**	**.00036**	**1.1510**	**.03086**
Stddev	.00003	.00008	.074	.0060	.00086	.013	.00002	.00007	.0119	.00007
%RSD	.12671	.19846	.14679	.17972	4.2990	.11387	.00327	19.272	1.0374	.22098
#1	.02423	.03973	50.445	3.3443	.01943	11.465	.75331	.00040	1.1594	.03081
#2	.02418	.03961	50.550	3.3358	.02065	11.484	.75334	.00031	1.1425	.03091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9673**	**.01320**	**.19986**	**-.00048**	W **-.00673**	**1.1426**	**-.00398**	**.07280**	**-.00176**	**3.4314**
Stddev	.0038	.00080	.00331	.00103	.00206	.0193	.00096	.00029	.00015	.0004
%RSD	.19355	6.0436	1.6561	213.88	30.695	1.6920	24.155	.39518	8.6964	.01237
#1	1.9700	.01263	.19752	.00025	-.00819	1.1562	-.00465	.07300	-.00187	3.4317
#2	1.9646	.01376	.20220	-.00122	-.00527	1.1289	-.00330	.07260	-.00165	3.4311
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00226**	**-.02157**	**.11249**	**.11006**	**.04885**
Stddev	.00028	.01179	.00057	.00005	.00188
%RSD	12.395	54.661	.50952	.04107	3.8423
#1	.00246	-.02991	.11209	.11010	.04753
#2	.00206	-.01323	.11290	.11003	.05018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4527.6**	**63435.**	**4491.2**
Stddev	8.0	9.	14.0
%RSD	.17572	.01415	.31061
#1	4522.0	63429.	4481.3
#2	4533.3	63441.	4501.1

Sample Name: 280-27148-A-1-B DU Acquired: 4/2/2012 18:19:18 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**77.325**	**.02334**	**.01258**	**.73020**	**.00067**	**.00623**	**79.677**	**.00189**	**.09025**
Stddev	.00038	.254	.00186	.00068	.00355	.00003	.00211	.170	.00018	.00060
%RSD	31.172	.32805	7.9864	5.3921	.48575	4.3038	33.811	.21290	9.3561	.66516
#1	-.00096	77.145	.02202	.01210	.72769	.00069	.00474	79.557	.00202	.08982
#2	-.00150	77.504	.02465	.01306	.73270	.00065	.00772	79.797	.00177	.09067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13594**	**.16991**	**225.34**	**14.136**	**.08144**	**47.496**	**3.3396**	**.00281**	**3.5629**	**.14892**
Stddev	.00002	.00050	.74	.005	.00047	.029	.0012	.00015	.0140	.00012
%RSD	.01229	.29599	.32738	.03549	.58286	.06145	.03468	5.3267	.39152	.07848
#1	.13596	.17027	224.81	14.133	.08110	47.517	3.3404	.00270	3.5530	.14900
#2	.13593	.16956	225.86	14.140	.08177	47.475	3.3388	.00291	3.5728	.14884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8481**	**.07114**	**.78491**	**.00592**	F **-.01525**	**4.1763**	**-.01699**	**.33747**	**.02126**	W **17.051**
Stddev	.0038	.00033	.00067	.00051	.00013	.0609	.00010	.00120	.00247	.019
%RSD	.04248	.46680	.08528	8.5990	.86120	1.4571	.59407	.35434	11.614	.11268
#1	8.8455	.07091	.78538	.00556	-.01535	4.2194	-.01706	.33663	.02300	17.064
#2	8.8508	.07138	.78444	.00628	-.01516	4.1333	-.01692	.33832	.01951	17.037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00884**	**-.03753**	**.53797**	**.46896**	**.21508**
Stddev	.00029	.01934	.00065	.00203	.00015
%RSD	3.2482	51.544	.12017	.43371	.07053
#1	.00864	-.05121	.53843	.47040	.21519
#2	.00905	-.02385	.53751	.46752	.21498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4752.4**	**66382.**	**4859.8**
Stddev	5.4	9.	29.2
%RSD	.11370	.01341	.60004
#1	4756.2	66376.	4880.4
#2	4748.5	66388.	4839.2

Sample Name: 280-27148-A-1-C MS Acquired: 4/2/2012 18:21:48 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04421**	**105.29**	**.93639**	**.87789**	**2.5358**	**.04612**	**1.8077**	**133.64**	**.09439**	**.51247**
Stddev	.00001	.27	.00399	.00031	.0024	.00005	.0051	.13	.00001	.00014
%RSD	.03235	.25224	.42582	.03522	.09379	.11761	.28221	.09643	.00901	.02688
#1	.04422	105.10	.93357	.87767	2.5341	.04616	1.8113	133.54	.09438	.51237
#2	.04420	105.47	.93921	.87810	2.5375	.04608	1.8041	133.73	.09439	.51257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30172**	**.40985**	**235.12**	**65.722**	**1.0270**	**102.38**	**4.0345**	**.86702**	**52.901**	**.60049**
Stddev	.00001	.00102	.12	.050	.0000	.08	.0147	.00049	.595	.00044
%RSD	.00252	.24782	.05105	.07605	.00227	.07830	.36524	.05598	1.1252	.07350
#1	.30172	.40913	235.03	65.687	1.0270	102.33	4.0241	.86736	52.480	.60080
#2	.30171	.41057	235.20	65.757	1.0270	102.44	4.0449	.86667	53.322	.60018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.014**	**.48745**	**.73712**	**.28298**	**1.8158**	**5.5514**	**1.5594**	**1.3452**	**.88424**	W **18.176**
Stddev	.009	.00181	.00017	.00017	.0012	.0220	.0094	.0022	.00426	.031
%RSD	.05128	.37149	.02369	.06166	.06470	.39575	.60168	.16167	.48211	.16821
#1	18.007	.48873	.73699	.28310	1.8150	5.5669	1.5660	1.3437	.88726	18.154
#2	18.020	.48617	.73724	.28285	1.8166	5.5358	1.5527	1.3467	.88123	18.198
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6811**	**1.7604**	**1.0051**	**.90032**	**.67253**
Stddev	.0011	.0264	.0007	.00039	.00156
%RSD	.06280	1.5007	.06914	.04295	.23133
#1	1.6818	1.7417	1.0056	.90060	.67363
#2	1.6803	1.7790	1.0046	.90005	.67143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4626.6**	**64024.**	**4778.6**
Stddev	.2	136.	6.0
%RSD	.00509	.21302	.12546
#1	4626.4	63927.	4782.8
#2	4626.8	64120.	4774.3

Sample Name: 280-27148-A-2-A Acquired: 4/2/2012 18:24:17 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00192**	**78.973**	**.02575**	**.01321**	**.62608**	**.00081**	**.00242**	**65.736**	**.00154**	**.08367**
Stddev	.00036	.097	.00103	.00006	.00141	.00004	.00078	.053	.00001	.00033
%RSD	18.839	.12224	3.9836	.44195	.22448	4.6153	32.193	.08128	.85997	.39607
#1	-.00166	79.041	.02502	.01325	.62708	.00083	.00187	65.774	.00153	.08390
#2	-.00218	78.905	.02647	.01316	.62509	.00078	.00297	65.699	.00155	.08343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10089**	**.16686**	**226.47**	**14.281**	**.07739**	**45.835**	**3.2760**	**.00291**	**3.9817**	**.11961**
Stddev	.00016	.00009	.14	.055	.00083	.077	.0062	.00017	.0005	.00016
%RSD	.15892	.05160	.06073	.38540	1.0679	.16696	.18945	5.8132	.01194	.13769
#1	.10100	.16692	226.57	14.320	.07798	45.780	3.2716	.00279	3.9814	.11949
#2	.10077	.16680	226.37	14.242	.07681	45.889	3.2804	.00303	3.9821	.11972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6690**	**.05108**	**.82565**	**.00719**	F **-.01431**	**3.4961**	**-.01409**	**.29400**	**.01798**	W **15.253**
Stddev	.0117	.00117	.00415	.00066	.00389	.0014	.00114	.00067	.00104	.043
%RSD	.12121	2.2989	.50228	9.1613	27.190	.04142	8.1114	.22708	5.7777	.28179
#1	9.6607	.05191	.82272	.00766	-.01156	3.4971	-.01490	.29447	.01872	15.222
#2	9.6773	.05025	.82858	.00673	-.01706	3.4951	-.01328	.29353	.01725	15.283
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01168**	**-.01354**	**.52758**	**.49949**	**.19860**
Stddev	.00032	.01562	.00090	.00269	.00032
%RSD	2.7421	115.35	.17044	.53811	.16130
#1	.01146	-.02459	.52694	.49759	.19883
#2	.01191	-.00250	.52821	.50139	.19838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4754.9**	**66205.**	**4825.0**
Stddev	10.1	158.	5.3
%RSD	.21205	.23796	.11005
#1	4747.8	66316.	4828.8
#2	4762.1	66093.	4821.2

Sample Name: CCVH-1338467 Acquired: 4/2/2012 18:26:47 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**49.372**	**-.00269**	**.00146**	**-.00044**	**.00002**	**.99159**	**.01424**	**-.00184**	**.00195**	**.00061**	**.00570**	**50.594**
Stddev	.00024	.123	.00312	.00070	.00003	.00013	.00181	.00542	.00003	.00022	.00030	.00018	.103
%RSD	38.532	.24945	116.14	47.857	6.3900	801.43	.18302	38.060	1.8786	11.483	49.664	3.1428	.20443
#1	.00045	49.285	-.00048	.00096	-.00046	.00011	.99031	.01807	-.00187	.00180	.00039	.00557	50.521
#2	.00078	49.459	-.00490	.00195	-.00042	-.00008	.99287	.01040	-.00182	.00211	.00082	.00583	50.667
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05552**	**.00133**	**-.04681**	**-.00087**	**-.00131**	**254.95**	**.00201**	**.00693**	**.00087**	**5.3319**	**-.00693**	**-.00984**	**.00742**
Stddev	.04356	.00104	.00362	.00006	.00025	.82	.00050	.00205	.00078	.0112	.00114	.00294	.00057
%RSD	78.455	77.703	7.7368	7.0176	19.222	.32111	25.126	29.584	89.834	.21073	16.425	29.848	7.6375
#1	-.02472	.00060	-.04425	-.00092	-.00113	254.37	.00236	.00548	.00032	5.3399	-.00613	-.01192	.00782
#2	-.08632	.00206	-.04937	-.00083	-.00148	255.53	.00165	.00839	.00142	5.3240	-.00774	-.00776	.00702
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**.00045**	**4.8209**	**.00516**	**.00149**	**9.9419**	**.00746**	**.00249**	**-.01662**
Stddev	.00018	.00009	.0040	.00028	.00047	.0022	.00033	.00007	.00278
%RSD	6.5848	19.877	.08209	5.3854	31.577	.02254	4.3813	2.8193	16.707
#1	.00294	.00051	4.8237	.00536	.00116	9.9435	.00723	.00254	-.01858
#2	.00267	.00038	4.8181	.00496	.00183	9.9403	.00769	.00244	-.01466
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4315.2**	**59961.**	**4333.2**
Stddev	2.7	40.	12.8
%RSD	.06255	.06670	.29495
#1	4317.1	59990.	4342.2
#2	4313.3	59933.	4324.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 18:29:15 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49676**	F **.56922**	**1.0471**	**.52327**	**.49950**	**.50845**	**-.00147**	**5.0537**	**.51713**	**.50268**	**.49531**	**.52760**
Stddev	.00040	.00350	.0008	.00327	.00002	.00019	.00161	.0017	.00068	.00082	.00038	.00051
%RSD	.08124	.61408	.07805	.62406	.00375	.03816	109.58	.03268	.13195	.16356	.07706	.09742
#1	.49647	.56675	1.0465	.52096	.49949	.50858	-.00260	5.0549	.51665	.50209	.49558	.52796
#2	.49704	.57169	1.0477	.52558	.49952	.50831	-.00033	5.0525	.51762	.50326	.49504	.52723
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5302**	**52.590**	**1.0318**	**21.023**	**.50558**	**.50198**	**5.1825**	**.52106**	**1.0569**	**1.0334**	**.00834**	**1.0514**
Stddev	.0039	.013	.0018	.000	.00032	.00077	.0100	.00039	.0010	.0000	.00295	.0069
%RSD	.15431	.02508	.17494	.00095	.06262	.15340	.19334	.07503	.09829	.00134	35.353	.66018
#1	2.5274	52.599	1.0330	21.023	.50535	.50143	5.1896	.52134	1.0562	1.0334	.01042	1.0465
#2	2.5329	52.580	1.0305	21.023	.50580	.50252	5.1754	.52079	1.0576	1.0334	.00625	1.0563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0791**	**5.0867**	**.97086**	**.52231**	**-.00707**	**.48757**	**1.0562**	**-.00487**	**.47886**	**.50752**	**.50089**
Stddev	.0018	.0193	.00109	.00011	.00002	.00040	.0010	.00353	.00032	.00179	.00241
%RSD	.17066	.37958	.11272	.02022	.34583	.08140	.09599	72.461	.06674	.35233	.48145
#1	1.0804	5.0731	.97009	.52238	-.00705	.48785	1.0555	-.00238	.47863	.50625	.50260
#2	1.0778	5.1004	.97163	.52223	-.00709	.48729	1.0569	-.00737	.47908	.50878	.49919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4385.5**	**61299.**	**4338.2**
Stddev	3.6	16.	8.2
%RSD	.08118	.02656	.18853
#1	4388.1	61287.	4332.4
#2	4383.0	61310.	4344.0

Sample Name: CCB Acquired: 4/2/2012 18:31:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00188**	**-.00083**	**-.00048**	**.00059**	W **-.00068**	**.00013**	**-.00247**	**.00016**	**.00024**	**-.00022**
Stddev	.00004	.00021	.00009	.00063	.00027	.00001	.00151	.00638	.00021	.00010
%RSD	1.8668	25.359	18.254	105.79	39.395	6.2791	61.322	4054.8	86.108	46.668
#1	-.00186	-.00098	-.00042	.00104	-.00087	.00014	-.00354	.00467	.00009	-.00015
#2	-.00191	-.00069	-.00054	.00015	-.00049	.00013	-.00140	-.00435	.00039	-.00029
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00180				.00058					
Low Limit	-.00180				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	F **.00274**	**-.00123**	**-.06855**	**.00255**	F **-.02278**	F **-.00059**	**.00052**	F **.13555**	**.00007**
Stddev	.00006	.00015	.00178	.03196	.00238	.00016	.00001	.00029	.00673	.00009
%RSD	381.17	5.5900	144.33	46.616	93.096	.72374	1.6815	55.482	4.9616	127.83
#1	-.00006	.00285	-.00249	-.04596	.00087	-.02266	-.00060	.00031	.13079	.00001
#2	.00003	.00263	.00003	-.09115	.00423	-.02290	-.00058	.00072	.14031	.00013
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272				.02140	.00051		.10000	
Low Limit		-.00272				-.02140	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00283**	**.00104**	**.00162**	W **.00454**	W **-.00493**	**-.01217**	**-.00055**	**.00008**	**-.00709**	**-.00022**
Stddev	.00127	.00017	.00159	.00278	.00218	.00066	.00015	.00017	.00039	.00013
%RSD	44.923	16.414	98.103	61.268	44.183	5.4630	27.772	217.71	5.4428	59.034
#1	.00373	.00092	.00274	.00257	-.00339	-.01264	-.00065	-.00004	-.00682	-.00031
#2	.00193	.00116	.00050	.00650	-.00647	-.01170	-.00044	.00020	-.00736	-.00013
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**-.00468**	**-.00039**	**.00143**	**.00114**
Stddev	.00185	.01471	.00015	.00021	.00134
%RSD	174.36	314.10	38.896	14.360	117.41
#1	-.00237	-.01509	-.00028	.00129	.00019
#2	.00025	.00572	-.00049	.00158	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4375.2**	**62036.**	**4303.6**
Stddev	17.3	4.	11.5
%RSD	.39489	.00683	.26836
#1	4387.4	62039.	4311.8
#2	4363.0	62033.	4295.5

Sample Name: CCVL1341782 Acquired: 4/2/2012 18:34:07 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00869**	**.11884**	**.01333**	**.10383**	**.00947**	**.00104**	**.10637**	**.20611**	**.00536**	**.00979**	**.00998**
Stddev	.00042	.00050	.00163	.00046	.00055	.00003	.00071	.00169	.00013	.00010	.00012
%RSD	4.8336	.42264	12.260	.44405	5.8150	2.6499	.66671	.82154	2.4256	.97331	1.1887
#1	.00840	.11849	.01217	.10415	.00986	.00102	.10587	.20491	.00545	.00986	.01007
#2	.00899	.11920	.01448	.10350	.00909	.00106	.10687	.20731	.00526	.00973	.00990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01828**	**.10746**	**3.0283**	W **.01209**	**.19592**	**.00991**	**.01980**	**1.1285**	**.04256**	**3.0834**	**.01073**
Stddev	.00022	.00080	.0099	.00001	.00264	.00008	.00010	.0125	.00014	.0055	.00176
%RSD	1.2072	.74649	.32743	.07550	1.3459	.79108	.51744	1.1107	.32818	.17712	16.361
#1	.01844	.10689	3.0353	.01209	.19778	.00996	.01988	1.1197	.04266	3.0795	.00949
#2	.01813	.10803	3.0213	.01208	.19406	.00985	.01973	1.1374	.04246	3.0872	.01197
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	W **.01281**	F **.00894**	**.49137**	**.09905**	**.01043**	F **.00620**	**.01016**	**.01547**	W **.07720**	**.00909**
Stddev	.00429	.00056	.00219	.01106	.00029	.00003	.00163	.00009	.00096	.00904	.00024
%RSD	62.100	4.3554	24.460	2.2505	.29274	.27836	26.364	.85041	6.2083	11.703	2.6619
#1	.00388	.01320	.00739	.49918	.09885	.01041	.00735	.01010	.01479	.08359	.00892
#2	.00995	.01241	.01048	.48355	.09926	.01045	.00504	.01022	.01615	.07082	.00926
Check ?	None	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value		.01000	.01500				.01500			.06000	
Range		20.000%	-30.000%				-30.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02218**	**.01345**
Stddev	.00019	.00159
%RSD	.85481	11.849
#1	.02232	.01233
#2	.02205	.01458
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4430.8**	**62333.**	**4331.8**
Stddev	8.0	87.	30.3
%RSD	.18079	.13959	.69929
#1	4425.2	62394.	4353.2
#2	4436.5	62271.	4310.4

Sample Name: MB 280-113740/1-A Acquired: 4/2/2012 18:36:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00190**	**.00799**	**.00299**	**.00027**	**-.00042**	**.00005**	**-.00328**	**.09673**	**.00042**	**-.00041**
Stddev	.00002	.00110	.00162	.00025	.00006	.00002	.00275	.00146	.00011	.00005
%RSD	1.0400	13.819	54.247	91.486	15.255	44.674	83.868	1.5087	25.719	11.364
#1	-.00192	.00877	.00184	.00010	-.00047	.00003	-.00523	.09569	.00049	-.00045
#2	-.00189	.00721	.00414	.00045	-.00038	.00007	-.00134	.09776	.00034	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00318**	**.02165**	**-.06330**	**.00182**	**-.00763**	**-.00024**	**-.00014**	**.29828**	**.00027**
Stddev	.00004	.00036	.00076	.01774	.00033	.00055	.00006	.00004	.00662	.00006
%RSD	48.883	11.412	3.5235	28.018	18.352	7.2211	26.344	27.918	2.2202	23.928
#1	.00011	.00344	.02219	-.07584	.00159	-.00802	-.00020	-.00011	.29360	.00023
#2	.00005	.00292	.02111	-.05076	.00206	-.00724	-.00029	-.00016	.30296	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00629**	**.00042**	**.03295**	**-.00027**	**-.00011**	**.02285**	**.00921**	**.00028**	W **-.00769**	**.00043**
Stddev	.00015	.00010	.00308	.00100	.00103	.01622	.00075	.00019	.00067	.00026
%RSD	2.3421	22.983	9.3340	363.91	917.68	71.001	8.1574	66.453	8.7718	60.793
#1	.00619	.00035	.03077	.00043	.00062	.03432	.00974	.00015	-.00722	.00025
#2	.00640	.00048	.03512	-.00098	-.00084	.01138	.00868	.00042	-.00817	.00062
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500								.00500	
Low Limit	-.00500								-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**-.00863**	**-.00102**	**.00425**	**-.00080**
Stddev	.00107	.01099	.00042	.00022	.00186
%RSD	55.039	127.24	40.974	5.1327	231.75
#1	-.00118	-.00087	-.00072	.00441	-.00212
#2	-.00269	-.01640	-.00131	.00410	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4485.4**	**64056.**	**4446.2**
Stddev	.1	54.	18.1
%RSD	.00312	.08456	.40614
#1	4485.3	64018.	4433.4
#2	4485.5	64094.	4459.0

Sample Name: LCS 280-113740/2-A Acquired: 4/2/2012 18:39:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04953**	**2.1695**	**1.0445**	**1.0156**	**2.0256**	**.05189**	**2.0512**	**50.523**	**.10618**	**.49597**
Stddev	.00003	.0025	.0008	.0008	.0007	.00005	.0039	.042	.00023	.00031
%RSD	.05892	.11729	.07826	.07882	.03582	.09570	.19126	.08322	.21541	.06344
#1	.04951	2.1677	1.0440	1.0161	2.0262	.05193	2.0540	50.552	.10634	.49620
#2	.04955	2.1713	1.0451	1.0150	2.0251	.05186	2.0484	50.493	.10602	.49575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19999**	**.27012**	**1.0336**	**53.733**	**1.0553**	**51.045**	**.50943**	**1.0196**	**51.993**	**.51787**
Stddev	.00013	.00077	.0008	.004	.0007	.049	.00026	.0002	.038	.00043
%RSD	.06713	.28496	.07752	.00743	.06452	.09527	.05085	.02263	.07250	.08381
#1	.20008	.26958	1.0342	53.730	1.0548	51.011	.50925	1.0194	51.966	.51817
#2	.19989	.27067	1.0330	53.736	1.0558	51.080	.50962	1.0198	52.019	.51756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.772**	**.50905**	**.03299**	**.51923**	**2.0962**	**2.8265**	**1.9252**	**1.0669**	**.96859**	**.99140**
Stddev	.013	.00190	.00294	.00319	.0004	.0181	.0010	.0006	.00571	.00060
%RSD	.12442	.37230	8.9202	.61381	.02037	.63928	.05456	.05554	.58959	.06070
#1	10.782	.50771	.03091	.52149	2.0965	2.8393	1.9259	1.0673	.96456	.99097
#2	10.763	.51039	.03507	.51698	2.0959	2.8137	1.9244	1.0664	.97263	.99182
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0314**	**2.0813**	**.49069**	**.49681**	**.50083**
Stddev	.0055	.0259	.00149	.00009	.00228
%RSD	.26910	1.2452	.30326	.01733	.45470
#1	2.0353	2.0996	.48964	.49687	.49922
#2	2.0276	2.0630	.49174	.49675	.50244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4265.9**	**60108.**	**4338.8**
Stddev	10.3	123.	6.1
%RSD	.24186	.20543	.14059
#1	4273.2	60020.	4343.1
#2	4258.6	60195.	4334.5

Sample Name: 280-27146-C-1-A Acquired: 4/2/2012 18:41:31 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**82.228**	**.02791**	**.00734**	**.58872**	**.00072**	**.00156**	**53.875**	**.00156**	**.09468**
Stddev	.00038	.061	.00532	.00028	.00010	.00000	.00268	.047	.00007	.00090
%RSD	19.249	.07453	19.071	3.7613	.01634	.56797	171.54	.08790	4.4956	.95188
#1	-.00223	82.271	.03167	.00714	.58865	.00072	.00346	53.908	.00161	.09405
#2	-.00169	82.184	.02415	.00753	.58879	.00071	-.00033	53.842	.00151	.09532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13204**	**.26109**	**256.31**	**10.682**	**.07690**	**51.767**	**3.3363**	**.00295**	**3.4362**	**.14148**
Stddev	.00011	.00069	.22	.013	.00215	.035	.0040	.00022	.0271	.00037
%RSD	.08181	.26417	.08580	.11727	2.7983	.06844	.12075	7.3697	.78726	.26466
#1	.13196	.26060	256.46	10.673	.07842	51.742	3.3334	.00280	3.4553	.14121
#2	.13212	.26158	256.15	10.691	.07538	51.792	3.3391	.00310	3.4170	.14174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.009**	**.04181**	**.61548**	**.00695**	F **-.01173**	**3.9663**	**-.01550**	**.35590**	**.01259**	W **16.321**
Stddev	.005	.00031	.00407	.00176	.00022	.0518	.00067	.00009	.00107	.016
%RSD	.04797	.74971	.66150	25.367	1.8669	1.3050	4.3419	.02492	8.5074	.09755
#1	11.006	.04159	.61836	.00571	-.01189	3.9297	-.01598	.35596	.01183	16.333
#2	11.013	.04203	.61260	.00820	-.01158	4.0029	-.01503	.35583	.01334	16.310
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01255**	**-.02100**	**.56962**	**.45390**	**.20911**
Stddev	.00061	.00857	.00034	.00124	.00135
%RSD	4.8414	40.814	.05946	.27295	.64550
#1	.01212	-.01494	.56986	.45303	.20816
#2	.01298	-.02706	.56938	.45478	.21006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4874.6**	**67728.**	**4925.0**
Stddev	6.0	269.	9.1
%RSD	.12284	.39766	.18494
#1	4870.3	67537.	4931.4
#2	4878.8	67918.	4918.5

Sample Name: sd 280-27146-C-1-A@5 Acquired: 4/2/2012 18:44:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00169**	**18.677**	**.00894**	**.00100**	**.13306**	**.00017**	**-.00459**	**12.187**	**.00042**	**.02266**
Stddev	.00008	.084	.00105	.00014	.00032	.00017	.00001	.027	.00006	.00001
%RSD	4.9432	.45076	11.732	14.290	.24390	95.244	.17191	.22494	13.712	.03081
#1	-.00163	18.737	.00820	.00110	.13329	.00029	-.00458	12.206	.00038	.02266
#2	-.00175	18.618	.00968	.00090	.13283	.00006	-.00459	12.168	.00046	.02267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03045**	**.06174**	**58.817**	**2.3186**	**.01874**	**11.971**	**.76309**	**.00029**	**.81018**	**.03298**
Stddev	.00015	.00009	.198	.0063	.00075	.004	.00010	.00033	.01801	.00032
%RSD	.48146	.14587	.33701	.27226	3.9855	.02971	.01344	111.00	2.2229	.95552
#1	.03056	.06181	58.957	2.3141	.01927	11.969	.76316	.00006	.82292	.03276
#2	.03035	.06168	58.677	2.3231	.01822	11.974	.76301	.00053	.79745	.03320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5072**	**.00994**	**.14042**	**.00036**	W **-.00782**	**.84822**	**-.00408**	**.08120**	**-.00150**	**3.6875**
Stddev	.0037	.00064	.00085	.00046	.00117	.00642	.00039	.00003	.00224	.0030
%RSD	.14601	6.4217	.60359	125.14	14.965	.75740	9.4959	.03396	149.15	.08251
#1	2.5046	.01039	.14102	.00069	-.00864	.85276	-.00435	.08122	-.00308	3.6853
#2	2.5098	.00949	.13982	.00004	-.00699	.84367	-.00381	.08118	.00008	3.6896
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**-.01667**	**.12774**	**.10614**	**.04875**
Stddev	.00038	.02806	.00115	.00057	.00009
%RSD	26.005	168.33	.90144	.53297	.18792
#1	.00120	.00317	.12855	.10574	.04868
#2	.00174	-.03651	.12692	.10654	.04881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4541.4**	**63585.**	**4484.4**
Stddev	.5	150.	2.4
%RSD	.01092	.23563	.05415
#1	4541.7	63479.	4482.7
#2	4541.0	63691.	4486.1

Sample Name: 280-27146-C-1-B DU Acquired: 4/2/2012 18:46:30 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**81.229**	**.02040**	**.00520**	**.58345**	**.00089**	**.00120**	**61.864**	**.00159**	**.08903**
Stddev	.00050	.067	.00404	.00126	.00094	.00004	.00091	.160	.00009	.00005
%RSD	36.493	.08196	19.827	24.187	.16092	4.2614	76.260	.25830	5.4366	.05746
#1	-.00102	81.182	.02326	.00431	.58278	.00086	.00185	61.751	.00166	.08907
#2	-.00173	81.276	.01754	.00609	.58411	.00092	.00055	61.977	.00153	.08900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10806**	**.22561**	**243.18**	**11.318**	**.07444**	**46.915**	**3.2082**	**.00185**	**2.6288**	**.12103**
Stddev	.00018	.00151	.88	.051	.00073	.118	.0005	.00009	.0065	.00002
%RSD	.16414	.67140	.36309	.44820	.98087	.25255	.01554	4.5993	.24718	.01980
#1	.10793	.22668	242.56	11.282	.07393	46.999	3.2078	.00179	2.6242	.12101
#2	.10818	.22454	243.81	11.354	.07496	46.831	3.2085	.00191	2.6334	.12104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.630**	**.03897**	**.56436**	**.00256**	F **-.01647**	**3.0484**	**-.01757**	**.28438**	**.01380**	W **17.631**
Stddev	.007	.00067	.01040	.00020	.00027	.0374	.00124	.00075	.00037	.201
%RSD	.06973	1.7275	1.8425	7.9544	1.6556	1.2285	7.0409	.26211	2.6612	1.1396
#1	10.635	.03850	.55700	.00270	-.01628	3.0219	-.01669	.28386	.01406	17.489
#2	10.625	.03945	.57171	.00241	-.01666	3.0749	-.01844	.28491	.01354	17.774
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00858**	**-.03299**	**.56846**	**.44387**	**.24053**
Stddev	.00022	.01586	.00005	.00079	.00153
%RSD	2.5067	48.094	.00925	.17801	.63446
#1	.00843	-.04420	.56842	.44331	.24161
#2	.00873	-.02177	.56850	.44443	.23945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4896.7**	**68086.**	**4958.3**
Stddev	7.1	306.	7.5
%RSD	.14573	.44989	.15161
#1	4901.7	68303.	4953.0
#2	4891.6	67870.	4963.6

Sample Name: 280-27146-C-1-C MS Acquired: 4/2/2012 18:49:02 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04203**	**89.093**	**.89405**	**.83454**	**2.3557**	**.04404**	**1.7406**	**107.11**	**.09135**	**.51113**
Stddev	.00004	.264	.00765	.00173	.0055	.00025	.0013	.26	.00023	.00060
%RSD	.10669	.29611	.85538	.20785	.23481	.57839	.07363	.24649	.24855	.11812
#1	.04200	88.906	.88864	.83331	2.3518	.04386	1.7415	106.92	.09119	.51071
#2	.04206	89.279	.89946	.83577	2.3596	.04422	1.7397	107.30	.09151	.51156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30604**	**.46228**	**263.96**	**58.634**	**.97850**	**98.384**	**3.8843**	**.83594**	**49.733**	**.55878**
Stddev	.00011	.00026	.74	.149	.00228	.084	.0019	.00002	.281	.00026
%RSD	.03654	.05675	.28046	.25353	.23349	.08570	.04919	.00266	.56545	.04624
#1	.30596	.46209	263.43	58.529	.97688	98.324	3.8829	.83595	49.534	.55896
#2	.30612	.46246	264.48	58.739	.98011	98.443	3.8856	.83592	49.931	.55859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.758**	**.45360**	**.78785**	**.28145**	**1.7342**	**6.7223**	**1.4891**	**1.2575**	**.84501**	W **18.976**
Stddev	.041	.00113	.00640	.00247	.0034	.0380	.0012	.0032	.00282	.023
%RSD	.19747	.24835	.81280	.87808	.19320	.56537	.08244	.25316	.33332	.12010
#1	20.729	.45440	.79237	.27970	1.7366	6.6955	1.4900	1.2552	.84302	18.992
#2	20.787	.45281	.78332	.28320	1.7318	6.7492	1.4882	1.2597	.84701	18.960
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6257**	**1.7140**	**1.0787**	**.87471**	**.67998**
Stddev	.0022	.0070	.0019	.00098	.00285
%RSD	.13819	.41024	.17748	.11167	.41896
#1	1.6272	1.7190	1.0773	.87540	.67797
#2	1.6241	1.7090	1.0801	.87402	.68199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4849.7**	**67599.**	**4996.3**
Stddev	7.6	101.	14.5
%RSD	.15680	.14925	.28987
#1	4855.1	67528.	5006.5
#2	4844.3	67670.	4986.0

Sample Name: 280-27146-B-2-A Acquired: 4/2/2012 18:51:30 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**116.42**	**.02368**	**.02586**	**.93049**	**.00209**	**.00457**	**40.611**	**.00183**	**.09304**
Stddev	.00013	.34	.00127	.00013	.00167	.00005	.00005	.117	.00014	.00024
%RSD	8.5785	.29485	5.3843	.49273	.17960	2.5086	.98687	.28824	7.8145	.25261
#1	-.00145	116.17	.02277	.02595	.92931	.00206	.00461	40.529	.00193	.09287
#2	-.00164	116.66	.02458	.02577	.93167	.00213	.00454	40.694	.00173	.09321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15244**	**.18170**	**253.69**	**26.515**	**.10127**	**54.424**	**4.2658**	**.00225**	**2.4611**	**.14817**
Stddev	.00047	.00031	.61	.009	.00037	.006	.0050	.00027	.0120	.00029
%RSD	.30672	.17192	.23860	.03204	.36729	.01017	.11678	11.789	.48890	.19506
#1	.15277	.18147	253.26	26.521	.10153	54.420	4.2622	.00207	2.4696	.14838
#2	.15211	.18192	254.12	26.509	.10101	54.428	4.2693	.00244	2.4526	.14797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.3593**	**.05589**	**.34334**	**.00583**	W **-.00869**	**4.4817**	**-.01182**	**.30057**	**.02311**	W **14.302**
Stddev	.0099	.00026	.00356	.00253	.00328	.0008	.00031	.00111	.00038	.078
%RSD	.13481	.47180	1.0378	43.414	37.714	.01886	2.5888	.37084	1.6271	.54590
#1	7.3663	.05570	.34082	.00404	-.00637	4.4811	-.01204	.29979	.02338	14.247
#2	7.3523	.05607	.34586	.00762	-.01101	4.4823	-.01160	.30136	.02284	14.357
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00896**	**-.04822**	**.51042**	**.49404**	**.23698**
Stddev	.00127	.01185	.00068	.00100	.00338
%RSD	14.192	24.573	.13283	.20185	1.4273
#1	.00986	-.05660	.50994	.49333	.23458
#2	.00806	-.03984	.51090	.49474	.23937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4759.7**	**65832.**	**4781.0**
Stddev	1.2	221.	3.4
%RSD	.02426	.33574	.07140
#1	4758.9	65988.	4783.4
#2	4760.5	65675.	4778.6

Sample Name: 280-27146-B-3-A Acquired: 4/2/2012 18:54:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00175**	**61.569**	**.00995**	**.00496**	**.48722**	**.00001**	**.00007**	**45.181**	**.00155**	**.07197**
Stddev	.00005	.024	.00312	.00085	.00113	.00014	.00056	.047	.00023	.00041
%RSD	2.6946	.03952	31.316	17.180	.23189	1485.8	765.74	.10302	14.503	.56669
#1	-.00178	61.587	.01216	.00556	.48802	.00011	.00047	45.214	.00171	.07226
#2	-.00172	61.552	.00775	.00435	.48642	-.00009	-.00032	45.148	.00140	.07168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06486**	**.16663**	**184.25**	**6.7676**	**.06693**	**37.365**	**2.4304**	**.00128**	**3.5441**	**.08415**
Stddev	.00016	.00001	.19	.0192	.00045	.047	.0022	.00001	.0026	.00002
%RSD	.24912	.00811	.10220	.28414	.67422	.12463	.08845	.76972	.07301	.02302
#1	.06475	.16664	184.38	6.7812	.06725	37.332	2.4289	.00127	3.5459	.08413
#2	.06498	.16662	184.12	6.7540	.06661	37.398	2.4319	.00128	3.5422	.08416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.0444**	**.02534**	**.49314**	**.00352**	F **-.01131**	**2.8402**	**-.01466**	**.23884**	**.00581**	W **15.010**
Stddev	.0113	.00112	.00103	.00208	.00387	.1081	.00021	.00045	.00071	.058
%RSD	.14035	4.4095	.20902	59.156	34.185	3.8072	1.4411	.18897	12.187	.38922
#1	8.0524	.02613	.49241	.00499	-.00858	2.9166	-.01451	.23853	.00531	14.968
#2	8.0364	.02455	.49387	.00205	-.01404	2.7637	-.01481	.23916	.00631	15.051
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01012**	**-.04813**	**.45774**	**.38311**	**.17838**
Stddev	.00155	.03684	.00085	.00001	.00010
%RSD	15.301	76.548	.18530	.00377	.05610
#1	.00902	-.07418	.45714	.38312	.17845
#2	.01121	-.02208	.45834	.38309	.17831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4792.8**	**66555.**	**4805.2**
Stddev	10.4	57.	17.6
%RSD	.21680	.08618	.36652
#1	4785.4	66596.	4792.8
#2	4800.1	66514.	4817.7

Sample Name: 280-27146-B-4-A Acquired: 4/2/2012 18:56:38 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**65.773**	**.03571**	**.07448**	**.79915**	**.00006**	**.01811**	**53.704**	**.00333**	**.08770**
Stddev	.00113	.157	.00002	.00020	.00242	.00004	.00579	.121	.00005	.00003
%RSD	46.010	.23795	.06199	.27333	.30302	63.933	31.957	.22467	1.4472	.03854
#1	.00165	65.884	.03569	.07434	.80087	.00003	.01401	53.789	.00336	.08773
#2	.00325	65.663	.03573	.07462	.79744	.00008	.02220	53.618	.00329	.08768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11834**	W **42.833**	**202.69**	**11.586**	**.05133**	**38.408**	**2.7402**	**.00519**	**4.3910**	**2.3566**
Stddev	.00024	.431	.55	.105	.00056	.043	.0004	.00001	.0003	.0016
%RSD	.20195	1.0072	.27231	.90336	1.1002	.11142	.01346	.13341	.00727	.06884
#1	.11851	42.528	203.08	11.660	.05093	38.439	2.7404	.00519	4.3908	2.3555
#2	.11817	43.138	202.30	11.512	.05173	38.378	2.7399	.00518	4.3913	2.3578
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.01000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9941**	**1.3526**	**2.1331**	**.01727**	W **-.00891**	**4.3516**	**.04314**	**.29345**	**.01225**	W **15.395**
Stddev	.0006	.0021	.0017	.00186	.00233	.0712	.00077	.00095	.00051	.070
%RSD	.00726	.15197	.07777	10.792	26.180	1.6364	1.7756	.32465	4.1705	.45566
#1	7.9945	1.3540	2.1319	.01859	-.01056	4.4019	.04260	.29413	.01189	15.345
#2	7.9937	1.3511	2.1343	.01595	-.00726	4.3012	.04368	.29278	.01261	15.444
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00857**	**-.04677**	**.51568**	**2.7984**	**.18035**
Stddev	.00094	.00008	.00057	.0022	.00118
%RSD	10.974	.17732	.11125	.08035	.65244
#1	.00791	-.04683	.51609	2.8000	.18118
#2	.00924	-.04671	.51527	2.7968	.17952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4678.3**	**65490.**	**4755.4**
Stddev	10.9	55.	13.6
%RSD	.23358	.08384	.28628
#1	4686.1	65451.	4745.7
#2	4670.6	65529.	4765.0

Sample Name: CCVH-1338467 Acquired: 4/2/2012 18:59:14 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**49.568**	**-.00123**	**.00036**	**-.00035**	**.00005**	**.99213**	**.00853**	**-.00173**	**.00194**	**.00048**	**.00671**	**50.836**
Stddev	.00060	.007	.00144	.00013	.00025	.00000	.00153	.00008	.00005	.00023	.00002	.00016	.380
%RSD	110.61	.01317	117.05	35.922	71.174	.58410	.15429	.90137	3.1811	11.712	3.1938	2.3606	.74726
#1	.00096	49.573	-.00225	.00045	-.00017	.00005	.99104	.00858	-.00169	.00178	.00047	.00682	50.568
#2	.00012	49.564	-.00021	.00027	-.00052	.00005	.99321	.00847	-.00176	.00210	.00049	.00660	51.105
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06868**	**.00157**	**-.05507**	**-.00099**	**-.00115**	**256.21**	**.00183**	**.00690**	**.00215**	**5.3485**	**-.00611**	**-.01085**	**-.00171**
Stddev	.00836	.00149	.00153	.00000	.00014	.54	.00053	.00119	.00140	.0040	.00169	.00620	.00539
%RSD	12.173	94.761	2.7813	.02564	12.068	.21227	29.154	17.222	64.952	.07453	27.570	57.169	314.79
#1	-.07459	.00263	-.05616	-.00099	-.00124	256.60	.00145	.00774	.00314	5.3457	-.00492	-.01523	.00210
#2	-.06277	.00052	-.05399	-.00099	-.00105	255.83	.00221	.00606	.00116	5.3513	-.00731	-.00646	-.00552
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00300**	**.00041**	**4.8290**	**.00540**	**.00341**	**9.9994**	**.00793**	**.00285**	**-.01386**
Stddev	.00106	.00002	.0056	.00044	.00112	.0307	.00057	.00040	.00036
%RSD	35.343	5.2457	.11647	8.1030	32.760	.30678	7.1752	14.097	2.5850
#1	.00375	.00040	4.8250	.00509	.00262	10.021	.00833	.00314	-.01361
#2	.00225	.00043	4.8330	.00571	.00420	9.9777	.00753	.00257	-.01411
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4350.8**	**60262.**	**4331.5**
Stddev	1.9	117.	11.7
%RSD	.04443	.19366	.27122
#1	4349.4	60180.	4339.8
#2	4352.1	60345.	4323.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 19:01:40 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49494**	F **.57187**	**1.0512**	**.52488**	**.49994**	**.51127**	**.00003**	**5.0729**	**.51850**	**.50425**	**.49557**	**.52958**
Stddev	.00132	.00219	.0040	.00020	.00083	.00077	.00174	.0059	.00050	.00096	.00031	.00013
%RSD	.26712	.38215	.38560	.03737	.16536	.15121	6467.1	.11560	.09669	.19054	.06190	.02385
#1	.49587	.57033	1.0484	.52474	.49935	.51073	-.00120	5.0687	.51886	.50493	.49578	.52949
#2	.49400	.57342	1.0541	.52502	.50052	.51182	.00126	5.0770	.51815	.50357	.49535	.52967
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5365**	**52.968**	**1.0408**	**21.132**	**.50572**	**.50356**	**5.0659**	**.52300**	**1.0561**	**1.0349**	**.00223**	**1.0537**
Stddev	.0014	.068	.0018	.012	.00025	.00136	.0156	.00015	.0025	.0000	.00220	.0036
%RSD	.05488	.12897	.17349	.05844	.05037	.26957	.30804	.02907	.23518	.00354	98.505	.33739
#1	2.5356	52.919	1.0395	21.140	.50590	.50452	5.0549	.52310	1.0578	1.0349	.00068	1.0562
#2	2.5375	53.016	1.0421	21.123	.50554	.50260	5.0769	.52289	1.0543	1.0350	.00378	1.0512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0857**	**5.1243**	**.97193**	**.52633**	**-.00772**	**.48664**	**1.0566**	**-.01501**	**.47798**	**.50819**	**.50436**
Stddev	.0013	.0066	.00086	.00094	.00111	.00091	.0034	.00925	.00120	.00030	.00084
%RSD	.11682	.12859	.08834	.17839	14.351	.18669	.31752	61.587	.25047	.05918	.16645
#1	1.0866	5.1196	.97254	.52566	-.00694	.48728	1.0589	-.02155	.47714	.50841	.50495
#2	1.0848	5.1289	.97132	.52699	-.00850	.48600	1.0542	-.00847	.47883	.50798	.50376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4420.4**	**61602.**	**4320.5**
Stddev	7.3	5.	11.9
%RSD	.16597	.00815	.27508
#1	4415.2	61598.	4328.9
#2	4425.6	61605.	4312.1

Sample Name: CCB Acquired: 4/2/2012 19:04:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00157**	**-.00029**	**.00155**	**-.00063**	**-.00051**	**.00009**	**-.00199**	**-.00003**	**.00010**	**-.00021**	**.00000**
Stddev	.00046	.00051	.00010	.00030	.00044	.00003	.00077	.00168	.00011	.00017	.0001
%RSD	29.090	173.24	6.2614	46.831	86.122	28.726	38.753	5642.0	111.55	83.061	10896.
#1	-.00189	.00007	.00148	-.00042	-.00020	.00011	-.00253	.00116	.00002	-.00008	-.00007
#2	-.00125	-.00066	.00162	-.00084	-.00082	.00007	-.00144	-.00122	.00018	-.00033	.00007
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00237**	**-.00249**	**-.08180**	W **.00295**	W **-.02131**	F **-.00058**	**.00079**	**.00082**	**.00000**	**.00136**	**-.00109**
Stddev	.00003	.00190	.01847	.00012	.00233	.00004	.00033	.00603	.00033	.00464	.00097
%RSD	1.1124	76.030	22.585	4.0987	10.947	6.3724	41.966	736.54	12507.	339.96	89.152
#1	.00235	-.00383	-.09486	.00286	-.01966	-.00055	.00055	.00508	-.00023	-.00192	-.00178
#2	.00239	-.00115	-.06874	.00303	-.02296	-.00061	.00102	-.00344	.00024	.00464	-.00040
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136			.00261	.01070	.00051					
Low Limit	-.00136			-.00261	-.01070	-.00051					

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00193**	**.00237**	**-.00248**	**.00643**	**.00041**	**.00012**	**-.00764**	**-.00019**	**.00055**	**-.02634**	**-.00035**
Stddev	.00088	.00211	.00262	.01079	.00012	.00006	.00011	.00022	.00187	.00626	.00027
%RSD	45.687	88.910	105.69	167.79	30.275	51.433	1.4777	113.86	339.19	23.760	76.044
#1	-.00256	.00088	-.00433	-.00120	.00032	.00008	-.00772	-.00035	-.00077	-.02191	-.00016
#2	-.00131	.00387	-.00063	.01406	.00050	.00017	-.00756	-.00004	.00187	-.03076	-.00054
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00154**	**-.00149**
Stddev	.00008	.00059
%RSD	5.4242	39.453
#1	.00148	-.00191
#2	.00160	-.00108
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4403.5**	**62450.**	**4291.7**
Stddev	5.2	78.	37.0
%RSD	.11774	.12484	.86129
#1	4407.2	62395.	4317.8
#2	4399.9	62505.	4265.5

Sample Name: CCVL1341782 Acquired: 4/2/2012 19:06:33 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00876**	**.11894**	**.01585**	**.10342**	**.00930**	**.00118**	**.10998**	**.20525**	**.00553**	**.01017**	**.00992**
Stddev	.00069	.00214	.00246	.00038	.00013	.00004	.00061	.00043	.00006	.00012	.00008
%RSD	7.8669	1.7975	15.541	.36975	1.4481	3.2753	.55018	.20935	1.1686	1.1760	.76553
#1	.00828	.11743	.01759	.10314	.00920	.00115	.11041	.20495	.00558	.01026	.00987
#2	.00925	.12045	.01411	.10369	.00939	.00120	.10955	.20555	.00548	.01009	.00997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01869**	**.09927**	**3.1319**	**.01039**	**.19562**	**.01003**	**.02015**	**1.0242**	**.04293**	**3.1132**	**.00913**
Stddev	.00003	.00088	.0150	.00222	.00236	.00004	.00017	.0191	.00038	.0035	.00057
%RSD	.15697	.88229	.47820	21.384	1.2060	.37315	.83909	1.8660	.88587	.11269	6.2626
#1	.01871	.09865	3.1425	.00882	.19729	.01006	.02003	1.0377	.04319	3.1108	.00954
#2	.01867	.09989	3.1214	.01196	.19396	.01001	.02027	1.0106	.04266	3.1157	.00873
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00294**	**.01035**	W **.01122**	**.51053**	**.09991**	**.01082**	F **.00603**	**.00951**	**.01572**	**.05168**	**.00862**
Stddev	.00222	.00005	.00045	.01066	.00031	.00008	.00199	.00024	.00074	.04151	.00004
%RSD	75.433	.45226	3.9995	2.0887	.30797	.73570	33.026	2.4879	4.7050	80.321	.44316
#1	.00137	.01039	.01154	.50299	.09969	.01077	.00462	.00968	.01624	.08104	.00865
#2	.00451	.01032	.01090	.51807	.10012	.01088	.00744	.00934	.01519	.02233	.00859
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02275**	**.01615**
Stddev	.00004	.00072
%RSD	.15916	4.4313
#1	.02278	.01565
#2	.02273	.01666
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4438.3**	**62883.**	**4327.9**
Stddev	2.7	78.	18.1
%RSD	.06031	.12398	.41815
#1	4440.2	62828.	4315.1
#2	4436.4	62938.	4340.7

Sample Name: 280-27146-B-5-A Acquired: 4/2/2012 19:09:04 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00198**	**51.477**	**.02055**	**.03989**	**.50669**	**-.00050**	**-.00230**	**77.052**	**.00151**	**.09424**
Stddev	.00046	.100	.00116	.00009	.00115	.00001	.00032	.203	.00010	.00063
%RSD	23.042	.19350	5.6280	.22598	.22742	1.2656	13.758	.26354	6.4350	.66744
#1	-.00230	51.407	.02137	.03995	.50587	-.00051	-.00208	76.909	.00158	.09380
#2	-.00166	51.547	.01973	.03982	.50750	-.00050	-.00253	77.196	.00144	.09469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07902**	**.22990**	**267.06**	**9.2700**	**.05244**	**44.271**	**3.1291**	**.00324**	**8.5434**	**.11180**
Stddev	.00009	.00075	.78	.0424	.00105	.009	.0001	.00025	.0126	.00108
%RSD	.10810	.32812	.29360	.45773	1.9952	.01953	.00148	7.7915	.14728	.96242
#1	.07896	.23043	266.50	9.2400	.05170	44.277	3.1291	.00306	8.5345	.11104
#2	.07909	.22937	267.61	9.3000	.05318	44.265	3.1292	.00342	8.5523	.11256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.772**	**.09013**	**3.6537**	**.00561**	F **-.01290**	**2.5817**	**-.02078**	**.34097**	**.00627**	W **19.521**
Stddev	.017	.00146	.0035	.00249	.00356	.0999	.00006	.00101	.00017	.042
%RSD	.13408	1.6241	.09596	44.314	27.636	3.8699	.28904	.29482	2.6977	.21508
#1	12.760	.08909	3.6512	.00385	-.01542	2.6523	-.02082	.34026	.00615	19.551
#2	12.785	.09116	3.6562	.00737	-.01038	2.5110	-.02074	.34168	.00639	19.491
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01165**	**-.03666**	**.62480**	**.52186**	**.22909**
Stddev	.00026	.02359	.00001	.00063	.00013
%RSD	2.2243	64.343	.00088	.12025	.05865
#1	.01183	-.01998	.62479	.52142	.22900
#2	.01147	-.05333	.62480	.52231	.22919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4927.0**	**68853.**	**4974.9**
Stddev	.3	95.	9.3
%RSD	.00602	.13824	.18749
#1	4927.2	68786.	4981.5
#2	4926.8	68920.	4968.3

Sample Name: 280-27146-B-6-A Acquired: 4/2/2012 19:11:33 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00235**	**54.237**	**.02009**	**.00162**	**.59355**	**-.00073**	**-.00404**	**70.637**	**.00124**	**.07988**
Stddev	.00051	.075	.00021	.00039	.00165	.00008	.00156	.151	.00014	.00028
%RSD	21.802	.13757	1.0555	24.162	.27786	10.522	38.614	.21357	11.249	.34618
#1	-.00199	54.290	.01994	.00135	.59472	-.00078	-.00514	70.744	.00115	.08008
#2	-.00271	54.184	.02024	.00190	.59238	-.00067	-.00293	70.530	.00134	.07969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05772**	**.16721**	**222.43**	**6.8168**	**.05549**	**37.789**	**2.9232**	**.00148**	**2.9033**	**.07322**
Stddev	.00009	.00001	.69	.0270	.00062	.081	.0041	.00001	.0055	.00015
%RSD	.15078	.00524	.30861	.39572	1.1162	.21489	.13907	.66942	.18995	.20916
#1	.05766	.16722	222.91	6.7977	.05505	37.731	2.9203	.00148	2.8994	.07311
#2	.05778	.16721	221.94	6.8359	.05593	37.846	2.9261	.00147	2.9072	.07333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3884**	**.02712**	**1.0214**	**.00706**	W **-.00694**	**2.2333**	**-.02193**	**.24742**	**.00790**	W **19.366**
Stddev	.0040	.00123	.0066	.00002	.00363	.0163	.00022	.00060	.00102	.087
%RSD	.04265	4.5519	.64789	.30718	52.343	.73175	1.0174	.24255	12.932	.44761
#1	9.3912	.02625	1.0167	.00708	-.00437	2.2448	-.02177	.24785	.00718	19.305
#2	9.3856	.02800	1.0261	.00705	-.00951	2.2217	-.02209	.24700	.00863	19.427
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01169**	**-.03256**	**.51208**	**.38915**	**.25752**
Stddev	.00065	.00006	.00068	.00068	.00319
%RSD	5.5609	.16964	.13354	.17383	1.2390
#1	.01123	-.03252	.51159	.38867	.25978
#2	.01215	-.03260	.51256	.38962	.25527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4889.7**	**68063.**	**4881.2**
Stddev	6.5	32.	13.4
%RSD	.13246	.04752	.27495
#1	4885.1	68086.	4871.7
#2	4894.3	68040.	4890.7

Sample Name: 280-27146-B-7-A Acquired: 4/2/2012 19:14:02 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00168**	**86.851**	**.02348**	**.00824**	**.66976**	**.00123**	**-.00189**	**43.222**	**.00179**	**.09253**
Stddev	.00011	.046	.00102	.00019	.00056	.00004	.00138	.021	.00012	.00059
%RSD	6.2752	.05278	4.3622	2.3133	.08318	3.5151	73.019	.04842	6.5967	.63835
#1	-.00161	86.819	.02420	.00838	.66937	.00120	-.00092	43.207	.00187	.09295
#2	-.00176	86.884	.02275	.00811	.67015	.00126	-.00287	43.237	.00170	.09211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13222**	**.24338**	**248.19**	**14.497**	**.08431**	**52.329**	**3.4244**	**.00117**	**1.9498**	**.14252**
Stddev	.00021	.00003	.32	.074	.00221	.083	.0012	.00003	.0016	.00032
%RSD	.15887	.01345	.13080	.51009	2.6244	.15840	.03402	2.5750	.08317	.22302
#1	.13207	.24336	247.96	14.444	.08274	52.271	3.4236	.00119	1.9509	.14230
#2	.13237	.24340	248.42	14.549	.08587	52.388	3.4253	.00115	1.9486	.14275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.4299**	**.04619**	**.51336**	**.00704**	F **-.01896**	**5.7431**	**-.01430**	**.26327**	**.01248**	W **15.494**
Stddev	.0035	.00068	.00039	.00006	.00586	.0371	.00103	.00000	.00058	.100
%RSD	.04146	1.4620	.07533	.87406	30.934	.64543	7.2368	.00020	4.6738	.64787
#1	8.4274	.04667	.51309	.00708	-.01481	5.7693	-.01503	.26327	.01207	15.423
#2	8.4324	.04571	.51364	.00700	-.02310	5.7169	-.01357	.26327	.01289	15.565
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01049**	**-.02220**	**.56166**	**.43651**	**.23202**
Stddev	.00019	.00575	.00015	.00051	.00129
%RSD	1.8577	25.900	.02703	.11718	.55520
#1	.01062	-.01814	.56156	.43615	.23293
#2	.01035	-.02627	.56177	.43687	.23111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4803.5**	**67202.**	**4866.7**
Stddev	2.4	171.	3.9
%RSD	.04964	.25494	.08026
#1	4805.2	67323.	4869.4
#2	4801.8	67081.	4863.9

Sample Name: 280-27146-B-8-A Acquired: 4/2/2012 19:16:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**71.169**	**.02190**	**.01125**	**.54949**	**.00072**	**-.00063**	**55.309**	**.00158**	**.08334**
Stddev	.00029	.032	.00143	.00023	.00124	.00009	.00180	.009	.00001	.00005
%RSD	14.516	.04552	6.5204	2.0259	.22596	11.912	286.42	.01560	.65564	.06370
#1	-.00217	71.192	.02291	.01109	.54861	.00078	-.00190	55.315	.00157	.08331
#2	-.00177	71.146	.02089	.01141	.55037	.00066	.00064	55.303	.00158	.08338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10207**	**.22548**	**232.74**	**9.7997**	**.06927**	**46.582**	**2.8139**	**.00161**	**3.4484**	**.11803**
Stddev	.00011	.00028	.14	.0053	.00181	.055	.0031	.00016	.0117	.00000
%RSD	.10839	.12617	.06138	.05430	2.6082	.11831	.10965	9.8315	.33804	.00167
#1	.10214	.22528	232.84	9.7959	.07055	46.543	2.8117	.00172	3.4401	.11803
#2	.10199	.22568	232.64	9.8034	.06799	46.621	2.8161	.00149	3.4566	.11803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.558**	**.03598**	**.73421**	**.00411**	W **-.00947**	**3.9299**	**-.01249**	**.29372**	**.01078**	W **14.300**
Stddev	.016	.00119	.00247	.00279	.00027	.0321	.00010	.00016	.00100	.045
%RSD	.13474	3.3042	.33704	67.867	2.8893	.81593	.79243	.05376	9.2910	.31402
#1	11.547	.03682	.73596	.00608	-.00927	3.9072	-.01256	.29361	.01007	14.269
#2	11.569	.03514	.73246	.00214	-.00966	3.9526	-.01242	.29383	.01149	14.332
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00733**	**-.02892**	**.48133**	**.44220**	**.21910**
Stddev	.00023	.04323	.00228	.00071	.00307
%RSD	3.1142	149.48	.47429	.15973	1.4013
#1	.00749	.00165	.47971	.44270	.22127
#2	.00717	-.05948	.48294	.44170	.21693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4893.2**	**68297.**	**4922.1**
Stddev	4.7	157.	14.9
%RSD	.09515	.22998	.30357
#1	4896.5	68408.	4911.6
#2	4889.9	68186.	4932.7

Sample Name: 280-27146-B-9-A Acquired: 4/2/2012 19:19:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**52.951**	**.01839**	**-.00046**	**.48811**	**-.00002**	**-.00150**	**77.663**	**.00141**	**.06916**
Stddev	.00016	.048	.00012	.00116	.00047	.00012	.00021	.120	.00010	.00017
%RSD	8.4580	.09054	.66698	250.02	.09621	536.37	13.713	.15486	6.8614	.25293
#1	-.00182	52.917	.01847	-.00129	.48778	.00006	-.00136	77.748	.00148	.06929
#2	-.00206	52.985	.01830	.00036	.48844	-.00011	-.00165	77.578	.00135	.06904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04617**	**.16547**	**193.59**	**4.5382**	**.03837**	**31.372**	**1.8677**	**.00146**	**4.1429**	**.06493**
Stddev	.00019	.00037	.30	.0459	.00057	.007	.0018	.00002	.0157	.00024
%RSD	.41198	.22174	.15257	1.0118	1.4760	.02243	.09512	1.2507	.37907	.37392
#1	.04604	.16521	193.80	4.5706	.03877	31.377	1.8690	.00147	4.1318	.06476
#2	.04631	.16572	193.38	4.5057	.03797	31.367	1.8664	.00145	4.1540	.06510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7795**	**.02003**	**.79113**	**.00348**	F **-.01431**	**2.8574**	**-.01469**	**.30810**	**.00470**	W **14.971**
Stddev	.0026	.00166	.00883	.00125	.00313	.0040	.00064	.00018	.00235	.028
%RSD	.02605	8.2704	1.1159	35.975	21.875	.13848	4.3394	.05822	49.910	.19015
#1	9.7777	.02121	.79737	.00260	-.01209	2.8546	-.01514	.30797	.00304	14.951
#2	9.7813	.01886	.78489	.00437	-.01652	2.8602	-.01424	.30823	.00636	14.991
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00947**	**-.02539**	**.51661**	**.35799**	**.18502**
Stddev	.00149	.00715	.00085	.00019	.00034
%RSD	15.747	28.158	.16398	.05251	.18296
#1	.01053	-.02034	.51601	.35813	.18478
#2	.00842	-.03045	.51721	.35786	.18526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4911.7**	**68656.**	**4963.6**
Stddev	1.5	3.	1.9
%RSD	.02997	.00425	.03756
#1	4912.8	68658.	4964.9
#2	4910.7	68654.	4962.3

Sample Name: 280-27146-B-10-A Acquired: 4/2/2012 19:21:39 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00184**	**67.043**	**.01539**	**.00788**	**.52333**	**.00039**	**-.00099**	**86.991**	**.00147**	**.09213**
Stddev	.00003	.259	.00017	.00006	.00252	.00000	.00006	.413	.00020	.00015
%RSD	1.6676	.38703	1.0887	.72850	.48097	.15215	5.8443	.47477	13.322	.15979
#1	-.00186	67.227	.01527	.00784	.52511	.00039	-.00095	87.283	.00133	.09203
#2	-.00182	66.860	.01551	.00792	.52155	.00039	-.00103	86.699	.00161	.09224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11973**	**.22113**	**229.43**	**8.9633**	**.07511**	**48.962**	**2.8221**	**.00192**	**2.6880**	**.12223**
Stddev	.00010	.00050	1.14	.0829	.00082	.103	.0043	.00006	.0139	.00027
%RSD	.08068	.22709	.49875	.92535	1.0975	.21041	.15134	3.2018	.51751	.22107
#1	.11967	.22148	230.24	9.0220	.07452	48.890	2.8191	.00196	2.6978	.12242
#2	.11980	.22077	228.62	8.9047	.07569	49.035	2.8251	.00187	2.6781	.12204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.437**	**.03418**	**.81864**	**.00486**	F **-.01251**	**3.0740**	**-.01616**	**.34729**	**.00986**	W **15.456**
Stddev	.028	.00052	.00137	.00005	.00342	.0358	.00021	.00125	.00200	.023
%RSD	.24717	1.5315	.16725	1.0898	27.339	1.1653	1.2712	.36045	20.271	.14730
#1	11.457	.03455	.81960	.00482	-.01493	3.0993	-.01631	.34817	.00844	15.472
#2	11.417	.03381	.81767	.00490	-.01009	3.0487	-.01602	.34640	.01127	15.439
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00974**	**-.03372**	**.53685**	**.43955**	**.19810**
Stddev	.00018	.00255	.00207	.00074	.00155
%RSD	1.8853	7.5751	.38545	.16786	.78176
#1	.00987	-.03552	.53539	.43902	.19701
#2	.00961	-.03191	.53832	.44007	.19920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4844.8**	**67518.**	**4881.8**
Stddev	3.9	169.	15.0
%RSD	.08026	.25101	.30820
#1	4842.0	67637.	4871.2
#2	4847.5	67398.	4892.5

Sample Name: 280-27146-B-11-A Acquired: 4/2/2012 19:24:09 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00244**	**35.097**	**.01078**	**-.00230**	**.37223**	**-.00062**	**-.00300**	**60.475**	**.00119**	**.13329**
Stddev	.00000	.055	.00144	.00050	.00016	.00013	.00139	.173	.00012	.00010
%RSD	.03406	.15776	13.356	21.596	.04269	21.298	46.127	.28621	10.478	.07537
#1	-.00244	35.136	.01180	-.00195	.37234	-.00052	-.00398	60.597	.00128	.13322
#2	-.00244	35.058	.00976	-.00265	.37212	-.00071	-.00202	60.353	.00110	.13336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03707**	**.17920**	**245.75**	**5.9866**	**.03911**	**34.340**	**3.0427**	**.00268**	**3.0652**	**.07054**
Stddev	.00013	.00004	.69	.0221	.00022	.051	.0029	.00005	.0142	.00026
%RSD	.35776	.02495	.28181	.36883	.56174	.14943	.09424	2.0126	.46219	.37493
#1	.03698	.17917	246.24	5.9710	.03926	34.303	3.0407	.00272	3.0552	.07035
#2	.03716	.17923	245.26	6.0023	.03895	34.376	3.0448	.00264	3.0752	.07072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.751**	**.02215**	**.97953**	**.00426**	F **-.01481**	**1.7126**	**-.01713**	**.19082**	**.00363**	W **16.805**
Stddev	.015	.00002	.00633	.00180	.00051	.0092	.00052	.00070	.00175	.063
%RSD	.09786	.07633	.64660	42.159	3.4673	.53478	3.0161	.36729	48.192	.37258
#1	15.740	.02217	.97506	.00553	-.01445	1.7191	-.01677	.19131	.00239	16.849
#2	15.762	.02214	.98401	.00299	-.01518	1.7062	-.01750	.19032	.00487	16.761
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00978**	**-.02585**	**.59924**	**.43771**	**.20732**
Stddev	.00065	.01351	.00002	.00080	.00172
%RSD	6.6201	52.275	.00294	.18214	.82795
#1	.01024	-.01629	.59925	.43715	.20611
#2	.00933	-.03540	.59923	.43827	.20854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5115.6**	**71965.**	**5149.2**
Stddev	3.6	13.	26.3
%RSD	.07040	.01755	.51049
#1	5113.0	71956.	5130.6
#2	5118.1	71974.	5167.8

Sample Name: 280-27146-B-12-A Acquired: 4/2/2012 19:26:42 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**54.737**	**.01381**	**.00550**	**.50870**	**-.00108**	**-.00749**	**74.724**	**.00145**	**.10187**
Stddev	.00003	.102	.00137	.00027	.00048	.00006	.00637	.138	.00005	.00009
%RSD	1.0591	.18722	9.9303	4.8303	.09508	5.1403	85.070	.18469	3.4191	.09055
#1	-.00242	54.664	.01478	.00531	.50836	-.00104	-.01199	74.626	.00141	.10193
#2	-.00239	54.809	.01284	.00569	.50904	-.00112	-.00298	74.822	.00148	.10180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05885**	**.18481**	**298.08**	**8.2392**	**.05127**	**46.182**	**3.2631**	**.00257**	**5.4156**	**.08463**
Stddev	.00018	.00052	.17	.0181	.00086	.007	.0001	.00003	.0057	.00037
%RSD	.29931	.28123	.05595	.21966	1.6748	.01494	.00217	1.0956	.10550	.43881
#1	.05872	.18444	297.96	8.2520	.05188	46.177	3.2631	.00259	5.4196	.08437
#2	.05897	.18518	298.19	8.2264	.05066	46.187	3.2632	.00255	5.4115	.08490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.939**	**.16880**	**2.5652**	**.00659**	F **-.01674**	**2.2773**	**-.02304**	**.28097**	**.00549**	W **23.111**
Stddev	.034	.00195	.0116	.00089	.00251	.0660	.00010	.00006	.00030	.176
%RSD	.23084	1.1540	.45277	13.507	15.021	2.8972	.44419	.01993	5.4537	.76182
#1	14.915	.16742	2.5570	.00596	-.01496	2.3239	-.02297	.28094	.00570	22.987
#2	14.964	.17018	2.5734	.00722	-.01852	2.2306	-.02311	.28101	.00528	23.236
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01466**	**-.00382**	**.72539**	**.53480**	**.28427**
Stddev	.00234	.00209	.00182	.00033	.00015
%RSD	15.946	54.793	.25082	.06102	.05118
#1	.01631	-.00234	.72667	.53503	.28438
#2	.01300	-.00530	.72410	.53457	.28417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5061.3**	**70620.**	**5104.5**
Stddev	3.1	116.	11.1
%RSD	.06160	.16477	.21764
#1	5063.5	70703.	5112.4
#2	5059.0	70538.	5096.6

Sample Name: 280-27146-B-13-A Acquired: 4/2/2012 19:29:11 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**82.761**	**.02569**	**.01783**	**.73590**	**.00140**	**-.00219**	**43.538**	**.00182**	**.07341**
Stddev	.00004	.522	.00242	.00025	.00559	.00009	.00268	.286	.00005	.00015
%RSD	2.2679	.63035	9.4391	1.3885	.75903	6.7858	122.42	.65666	3.0087	.20762
#1	-.00157	82.392	.02397	.01801	.73195	.00146	-.00029	43.335	.00178	.07330
#2	-.00152	83.130	.02740	.01766	.73985	.00133	-.00409	43.740	.00186	.07352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13901**	**.20718**	**198.34**	**17.013**	**.07928**	**48.001**	**3.2089**	**.00124**	**1.8963**	**.13784**
Stddev	.00039	.00023	1.36	.173	.00011	.056	.0040	.00020	.0357	.00072
%RSD	.27935	.10881	.68531	1.0140	.14425	.11767	.12609	16.313	1.8833	.52238
#1	.13874	.20734	197.38	16.891	.07936	48.041	3.2117	.00110	1.8711	.13835
#2	.13929	.20702	199.30	17.135	.07920	47.961	3.2060	.00139	1.9216	.13733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.8018**	**.07483**	**.47862**	**.00293**	F **-.01505**	**6.9134**	**-.00822**	**.29108**	**.01693**	W **10.835**
Stddev	.0224	.00062	.00254	.00020	.00190	.0068	.00006	.00208	.00240	.019
%RSD	.28708	.82607	.53128	6.6774	12.643	.09810	.78261	.71461	14.193	.17653
#1	7.7860	.07439	.48042	.00307	-.01371	6.9182	-.00817	.28961	.01863	10.848
#2	7.8176	.07526	.47683	.00279	-.01640	6.9087	-.00827	.29255	.01523	10.821
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00466**	**-.03409**	**.43210**	**.41469**	**.14633**
Stddev	.00047	.00045	.00094	.00138	.00326
%RSD	10.164	1.3062	.21791	.33239	2.2277
#1	.00500	-.03378	.43276	.41371	.14863
#2	.00433	-.03441	.43143	.41566	.14402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4642.9**	**64823.**	**4659.0**
Stddev	.7	25.	15.4
%RSD	.01475	.03839	.33061
#1	4643.3	64841.	4669.9
#2	4642.4	64806.	4648.1

Sample Name: CCVH-1338467 Acquired: 4/2/2012 19:31:37 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**49.965**	**-.00107**	**-.00079**	**-.00044**	**.00002**	**1.0018**	**.01041**	**-.00177**	**.00193**	**.00057**	**.00686**	**51.457**
Stddev	.00023	.045	.00275	.00001	.00017	.00004	.0013	.00168	.00005	.00005	.00009	.00020	.227
%RSD	21.331	.09078	257.55	1.8491	38.298	200.54	.12962	16.160	2.9924	2.3376	15.962	2.8636	.44185
#1	.00091	49.933	.00088	-.00080	-.00055	.00005	1.0009	.00922	-.00173	.00190	.00063	.00673	51.296
#2	.00124	49.997	-.00301	-.00078	-.00032	-.00001	1.0027	.01160	-.00181	.00196	.00051	.00700	51.618
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07361**	**.00253**	**-.04894**	**-.00069**	**-.00124**	**259.66**	**.00201**	**.00728**	**.00169**	**5.4328**	**-.00865**	**-.00688**	**.01609**
Stddev	.00688	.00228	.00452	.00001	.00005	.64	.00010	.00100	.00113	.0063	.00166	.00473	.00163
%RSD	9.3464	90.167	9.2258	1.6901	4.0049	.24497	4.9304	13.664	66.750	.11628	19.149	68.758	10.134
#1	-.07847	.00092	-.05214	-.00070	-.00121	259.21	.00208	.00799	.00089	5.4283	-.00748	-.01023	.01494
#2	-.06874	.00414	-.04575	-.00068	-.00128	260.11	.00194	.00658	.00249	5.4373	-.00983	-.00354	.01724
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00317**	**.00040**	**4.8481**	**.00489**	**.00196**	**10.048**	**.00757**	**.00236**	**-.01340**
Stddev	.00006	.00001	.0071	.00034	.00155	.037	.00061	.00035	.00219
%RSD	1.9591	3.6064	.14693	6.9703	79.150	.37055	8.0627	14.680	16.350
#1	.00313	.00041	4.8431	.00465	.00306	10.022	.00800	.00260	-.01494
#2	.00322	.00039	4.8532	.00513	.00086	10.074	.00714	.00211	-.01185
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4336.2**	**60141.**	**4305.8**
Stddev	2.5	75.	9.3
%RSD	.05663	.12403	.21639
#1	4334.4	60088.	4312.3
#2	4337.9	60194.	4299.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 19:34:06 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50123**	F **.57742**	**1.0564**	**.52653**	**.50294**	**.51187**	**-.00103**	**5.0989**	**.52215**	**.50523**	**.49736**	**.53536**
Stddev	.00138	.00429	.0011	.00058	.00014	.00145	.00020	.0010	.00055	.00069	.00061	.00101
%RSD	.27561	.74235	.10238	.10979	.02685	.28245	19.723	.01867	.10480	.13723	.12317	.18887
#1	.50221	.57439	1.0556	.52612	.50304	.51289	-.00089	5.0983	.52176	.50474	.49692	.53608
#2	.50026	.58045	1.0571	.52694	.50285	.51085	-.00118	5.0996	.52254	.50572	.49779	.53465
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5596**	**53.334**	**1.0421**	**21.207**	**.50705**	**.50444**	**5.0331**	**.52426**	**1.0677**	**1.0397**	**-.00036**	**1.0654**
Stddev	.0039	.121	.0037	.075	.00157	.00043	.0046	.00044	.0053	.0000	.00052	.0065
%RSD	.15401	.22757	.35887	.35419	.30914	.08473	.09193	.08451	.49610	.00174	144.01	.60717
#1	2.5624	53.420	1.0448	21.260	.50816	.50413	5.0298	.52458	1.0640	1.0397	-.00073	1.0608
#2	2.5568	53.248	1.0395	21.153	.50594	.50474	5.0364	.52395	1.0715	1.0396	.00001	1.0699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0931**	**5.1571**	**.96987**	**.52857**	**-.00824**	**.49007**	**1.0622**	**.01543**	**.47983**	**.50787**	**.50492**
Stddev	.0015	.0213	.00046	.00074	.00123	.00240	.0018	.05258	.00104	.00264	.00344
%RSD	.14103	.41364	.04788	.14025	14.886	.48916	.17088	340.68	.21642	.51932	.68218
#1	1.0942	5.1722	.97020	.52909	-.00738	.49177	1.0609	-.02175	.48057	.50974	.50736
#2	1.0920	5.1420	.96954	.52805	-.00911	.48838	1.0634	.05262	.47910	.50601	.50249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4405.1**	**61653.**	**4318.1**
Stddev	1.7	243.	4.0
%RSD	.03811	.39378	.09328
#1	4406.2	61481.	4321.0
#2	4403.9	61824.	4315.3

Sample Name: CCB Acquired: 4/2/2012 19:36:27 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00128**	**.00158**	**-.00087**	**-.00152**	**-.00050**	**.00002**	**-.00446**	**.00131**	**.00026**	**-.00041**
Stddev	.00054	.00314	.00135	.00027	.00012	.00001	.00027	.00095	.00009	.00014
%RSD	42.090	198.36	155.27	18.015	24.768	30.701	6.0334	72.848	35.718	33.673
#1	-.00090	.00381	-.00183	-.00133	-.00041	.00002	-.00465	.00199	.00020	-.00051
#2	-.00166	-.00064	.00009	-.00172	-.00058	.00002	-.00426	.00064	.00033	-.00031
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093									
Low Limit	-.00093									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	W **.00220**	**.00978**	**-.08582**	**.00182**	W **-.01984**	W **-.00037**	**.00081**	**-.04808**	**-.00007**
Stddev	.00001	.00003	.00004	.02679	.00131	.00185	.00005	.00042	.01348	.00020
%RSD	4.6285	1.1533	.37988	31.217	71.811	9.3458	12.852	52.030	28.025	276.03
#1	-.00025	.00222	.00980	-.06687	.00275	-.02115	-.00041	.00051	-.03856	.00007
#2	-.00026	.00218	.00975	-.10476	.00090	-.01852	-.00034	.00111	-.05761	-.00021
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.01070	.00025			
Low Limit		-.00136				-.01070	-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00267**	**-.00121**	**-.00464**	W **.00409**	**-.00368**	**-.01005**	**.00002**	**.00014**	**-.00754**	**.00036**
Stddev	.00162	.00166	.00353	.00143	.00755	.00919	.00031	.00012	.00142	.00002
%RSD	60.730	137.08	76.060	34.843	205.14	91.413	1240.1	88.587	18.777	4.5401
#1	.00152	-.00239	-.00214	.00308	-.00901	-.00356	-.00019	.00023	-.00654	.00037
#2	.00381	-.00004	-.00713	.00510	.00166	-.01655	.00024	.00005	-.00854	.00035
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00181**	**-.00727**	**-.00070**	**.00141**	**-.00044**
Stddev	.00079	.03311	.00078	.00028	.00165
%RSD	43.453	455.39	111.47	19.542	371.77
#1	-.00125	-.03069	-.00125	.00121	-.00161
#2	-.00237	.01614	-.00015	.00160	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4389.1**	**62589.**	**4307.1**
Stddev	14.9	200.	8.0
%RSD	.33992	.31964	.18557
#1	4378.5	62447.	4301.4
#2	4399.6	62730.	4312.7

Sample Name: CCVL1341782 Acquired: 4/2/2012 19:39:00 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00857**	**.11688**	**.01765**	**.10403**	**.00944**	**.00102**	**.10993**	**.21607**	**.00554**	**.01056**	**.01017**
Stddev	.00005	.00138	.00026	.00026	.00015	.00003	.00149	.00564	.00007	.00007	.00018
%RSD	.53273	1.1824	1.4969	.25049	1.5920	3.3167	1.3559	2.6090	1.2139	.66571	1.7270
#1	.00854	.11591	.01783	.10385	.00954	.00100	.11099	.22005	.00559	.01061	.01004
#2	.00860	.11786	.01746	.10422	.00933	.00104	.10888	.21208	.00550	.01051	.01029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01923**	**.10043**	**3.1393**	**.01168**	**.19758**	**.01003**	**.02007**	**.98929**	**.04327**	**3.1302**	**.00823**
Stddev	.00034	.00191	.0408	.00008	.00015	.00002	.00015	.01071	.00004	.0063	.00038
%RSD	1.7785	1.9025	1.3013	.68011	.07830	.15694	.74671	1.0828	.08295	.20148	4.6394
#1	.01899	.09907	3.1105	.01174	.19747	.01002	.02018	.98172	.04325	3.1347	.00850
#2	.01947	.10178	3.1682	.01162	.19769	.01004	.01997	.99687	.04330	3.1257	.00796
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00315**	**.01116**	**.01203**	**.50825**	**.09982**	**.01081**	F **.00745**	**.00913**	**.01543**	**.06027**	**.00910**
Stddev	.00200	.00240	.00143	.01980	.00080	.00014	.00017	.00023	.00130	.02866	.00040
%RSD	63.341	21.487	11.884	3.8965	.80009	1.3130	2.2975	2.4834	8.4192	47.554	4.4448
#1	-.00456	.01286	.01304	.52226	.10038	.01091	.00757	.00929	.01635	.08054	.00881
#2	-.00174	.00947	.01102	.49425	.09926	.01071	.00733	.00897	.01451	.04000	.00939
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.01500				
Range							-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02296**	**.01707**
Stddev	.00036	.00069
%RSD	1.5630	4.0522
#1	.02321	.01756
#2	.02270	.01658
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4432.5**	**62962.**	**4324.4**
Stddev	.0	213.	13.8
%RSD	.00087	.33768	.31847
#1	4432.5	62812.	4314.6
#2	4432.4	63113.	4334.1

Sample Name: MB 280-113737/1-A Acquired: 4/2/2012 19:41:31 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00002**	**.00010**	W **-.00164**	**-.00038**	**.00010**	**-.00539**	**.00279**	**.00013**	**-.00035**
Stddev	.00004	.00047	.00106	.00039	.00021	.00005	.00118	.00566	.00005	.00024
%RSD	7.9472	1974.7	1075.8	23.767	54.669	48.089	21.865	203.01	37.140	68.980
#1	-.00053	-.00031	-.00065	-.00136	-.00053	.00006	-.00456	-.00121	.00010	-.00018
#2	-.00059	.00036	.00085	-.00191	-.00024	.00013	-.00622	.00679	.00017	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156						
Low Limit				-.00156						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	W **.00241**	**.00058**	**-.15775**	**.00165**	W **-.01794**	F **-.00057**	**-.00027**	**-.07595**	**-.00062**
Stddev	.00026	.00022	.00027	.05457	.00071	.00069	.00001	.00017	.00243	.00012
%RSD	84.114	9.0465	46.974	34.591	42.942	3.8612	1.5202	64.089	3.1948	19.471
#1	-.00013	.00257	.00039	-.19634	.00215	-.01745	-.00056	-.00015	-.07766	-.00071
#2	-.00050	.00226	.00077	-.11917	.00115	-.01843	-.00057	-.00040	-.07423	-.00054
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.01070	.00056			
Low Limit		-.00136				-.01070	-.00056			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00053**	**-.00112**	**-.00013**	W **-.00719**	**.00210**	**.00027**	**.00004**	W **-.00729**	**-.00053**
Stddev	.00046	.00102	.00011	.00037	.00080	.01183	.00017	.00018	.00142	.00018
%RSD	189.92	191.54	9.6793	291.25	11.070	563.19	63.805	438.65	19.513	34.089
#1	-.00057	-.00126	-.00104	-.00039	-.00775	.01047	.00015	-.00009	-.00628	-.00066
#2	.00008	.00019	-.00119	.00013	-.00663	-.00626	.00039	.00017	-.00829	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00486				.00495	
Low Limit					-.00486				-.00495	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	W **-.02494**	**-.00073**	**.00242**	**-.00247**
Stddev	.00101	.01008	.00003	.00022	.00263
%RSD	135.79	40.437	4.6777	9.0651	106.61
#1	-.00146	-.03207	-.00071	.00258	-.00061
#2	-.00003	-.01781	-.00076	.00227	-.00433
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01610			
Low Limit		-.01610			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4420.6**	**63214.**	**4345.8**
Stddev	1.5	138.	4.9
%RSD	.03435	.21867	.11306
#1	4421.7	63311.	4349.2
#2	4419.5	63116.	4342.3

Sample Name: LCS 280-113737/2-A Acquired: 4/2/2012 19:44:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04845**	F **2.1652**	**1.0459**	**1.0352**	**2.0120**	**.05117**	**2.0443**	**50.220**	**.10567**	**.48998**
Stddev	.00000	.0110	.0019	.0022	.0020	.00003	.0012	.031	.00027	.00085
%RSD	.00094	.50918	.18508	.21607	.10146	.05171	.05669	.06183	.25290	.17287
#1	.04845	2.1574	1.0473	1.0336	2.0135	.05119	2.0435	50.242	.10586	.49057
#2	.04845	2.1729	1.0445	1.0368	2.0106	.05115	2.0451	50.199	.10548	.48938
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.1600								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19793**	**.26728**	**1.0049**	**53.512**	**1.0474**	**51.223**	**.50540**	**1.0209**	**51.258**	**.51357**
Stddev	.00040	.00047	.0039	.044	.0011	.066	.00020	.0013	.533	.00014
%RSD	.20046	.17584	.38770	.08313	.10215	.12932	.03960	.12854	1.0402	.02812
#1	.19821	.26695	1.0021	53.481	1.0467	51.270	.50554	1.0219	51.635	.51347
#2	.19765	.26761	1.0077	53.543	1.0482	51.176	.50526	1.0200	50.881	.51368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.700**	**.50571**	**-.00100**	**.52747**	**2.1133**	**10.342**	**1.9247**	**1.0587**	**.96655**	**.99283**
Stddev	.001	.00439	.00820	.00074	.0038	.017	.0005	.0011	.00250	.00095
%RSD	.01149	.86714	822.34	.14010	.17923	.16195	.02788	.10292	.25898	.09604
#1	10.700	.50882	-.00680	.52799	2.1160	10.354	1.9251	1.0595	.96478	.99351
#2	10.701	.50261	.00480	.52694	2.1106	10.330	1.9243	1.0579	.96832	.99216
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0268**	**2.0326**	**.48812**	**.49555**	**.49748**
Stddev	.0027	.0050	.00058	.00062	.00086
%RSD	.13256	.24675	.11924	.12490	.17221
#1	2.0287	2.0290	.48771	.49599	.49688
#2	2.0249	2.0361	.48853	.49512	.49809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4262.2**	**60063.**	**4290.2**
Stddev	.0	6.	10.5
%RSD	.00074	.01016	.24535
#1	4262.2	60059.	4297.6
#2	4262.2	60067.	4282.7

Sample Name: LCSD 280-113737/3-A Acquired: 4/2/2012 19:46:21 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04939**	F **2.1655**	**1.0502**	**1.0374**	**2.0131**	**.05132**	**2.0488**	**50.199**	**.10590**	**.49094**
Stddev	.00022	.0008	.0040	.0001	.0011	.00018	.0012	.061	.00007	.00047
%RSD	.44062	.03792	.37962	.00749	.05254	.34969	.06001	.12216	.06213	.09593
#1	.04924	2.1661	1.0530	1.0374	2.0124	.05119	2.0479	50.155	.10595	.49127
#2	.04954	2.1649	1.0474	1.0373	2.0139	.05145	2.0497	50.242	.10586	.49060
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.1600								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19861**	**.26796**	**1.0024**	**53.358**	**1.0449**	**51.379**	**.50963**	**1.0235**	**51.824**	**.51394**
Stddev	.00035	.00011	.0006	.023	.0008	.027	.00036	.0011	.079	.00082
%RSD	.17616	.04033	.05844	.04275	.08162	.05230	.07129	.10594	.15153	.15999
#1	.19837	.26789	1.0020	53.341	1.0455	51.398	.50989	1.0242	51.880	.51452
#2	.19886	.26804	1.0028	53.374	1.0443	51.360	.50937	1.0227	51.769	.51336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.716**	**.50910**	**-.00351**	**.52817**	**2.1181**	**10.345**	**1.9278**	**1.0595**	**.97015**	**.99486**
Stddev	.013	.00061	.00097	.00086	.0036	.033	.0008	.0009	.00276	.00167
%RSD	.11704	.12019	27.561	.16338	.17099	.32154	.04402	.08210	.28426	.16819
#1	10.725	.50953	-.00420	.52756	2.1155	10.322	1.9284	1.0589	.96820	.99604
#2	10.707	.50867	-.00283	.52878	2.1207	10.369	1.9272	1.0601	.97210	.99367
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0328**	**2.0433**	**.49111**	**.49885**	**.50023**
Stddev	.0012	.0293	.00143	.00101	.00117
%RSD	.05683	1.4349	.29116	.20254	.23465
#1	2.0319	2.0640	.49212	.49956	.50106
#2	2.0336	2.0225	.49010	.49813	.49940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4268.0**	**59843.**	**4304.4**
Stddev	8.5	365.	11.0
%RSD	.19975	.61066	.25508
#1	4261.9	59585.	4312.2
#2	4274.0	60101.	4296.6

Sample Name: 280-27142-C-1-A Acquired: 4/2/2012 19:48:37 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**.00475**	**.00183**	**.53897**	**1.5211**	**.00008**	**-.00769**	**7.8367**	**.00001**	**.00026**
Stddev	.00000	.00000	.00618	.00038	.0053	.00005	.00058	.0220	.00003	.00028
%RSD	.14894	.09199	337.87	.07092	.34825	61.082	7.5487	.28076	237.94	110.52
#1	-.00197	.00475	.00620	.53870	1.5174	.00011	-.00728	7.8211	-.00001	.00006
#2	-.00197	.00475	-.00254	.53924	1.5249	.00004	-.00810	7.8522	.00004	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00492**	**.39779**	**4.7683**	**.64629**	**2.0583**	**.01049**	**.00136**	W **1089.5**	**-.00005**
Stddev	.00012	.00009	.00182	.0632	.00035	.0008	.00011	.00026	3.8	.00002
%RSD	14.873	1.8788	.45748	1.3247	.05399	.03750	1.0819	19.318	.34520	35.762
#1	.00074	.00486	.39650	4.7236	.64604	2.0577	.01041	.00117	1086.9	-.00004
#2	.00091	.00499	.39907	4.8129	.64653	2.0588	.01057	.00155	1092.2	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04193**	**-.00084**	**.03811**	**-.00107**	**-.00139**	**8.6699**	**-.00002**	**1.9032**	**-.00664**	**-.00050**
Stddev	.00041	.00153	.00507	.00293	.00709	.0096	.00025	.0066	.00070	.00019
%RSD	.97373	182.41	13.305	274.30	510.11	.11066	1338.2	.34610	10.527	39.056
#1	.04165	.00024	.04170	-.00314	.00362	8.6631	.00016	1.8985	-.00714	-.00036
#2	.04222	-.00192	.03453	.00100	-.00640	8.6767	-.00020	1.9078	-.00615	-.00063
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00248**	**-.00917**	**-.00035**	**.00736**	**.00019**
Stddev	.00017	.01938	.00028	.00043	.00076
%RSD	6.7940	211.45	78.195	5.8477	404.34
#1	.00260	-.02287	-.00016	.00767	.00072
#2	.00236	.00454	-.00055	.00706	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4007.9**	**54746.**	**4211.2**
Stddev	5.7	262.	8.6
%RSD	.14142	.47791	.20525
#1	4011.9	54931.	4217.3
#2	4003.9	54561.	4205.0

Sample Name: 280-27142-C-2-A Acquired: 4/2/2012 19:51:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.01174**	**-.00638**	**.31857**	**.42114**	**.00003**	**-.00308**	**3.7438**	**.00000**	**.00025**
Stddev	.00024	.00171	.00011	.00089	.00003	.00004	.00102	.0117	.0002	.00012
%RSD	16.124	14.548	1.7416	.27930	.00689	174.54	32.998	.31117	8122.5	48.361
#1	-.00132	.01294	-.00646	.31920	.42112	.00006	-.00236	3.7355	-.00013	.00016
#2	-.00166	.01053	-.00630	.31794	.42116	-.00001	-.00380	3.7520	.00012	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00935**	**.82177**	**3.1538**	**.26288**	**.69586**	**.01077**	**.00021**	W **704.10**	**.00082**
Stddev	.00012	.00065	.00060	.0055	.00068	.00257	.00004	.00005	.14	.00005
%RSD	14.021	6.9469	.07284	.17504	.25734	.36999	.35891	25.859	.02001	6.5012
#1	.00097	.00980	.82220	3.1499	.26241	.69768	.01080	.00017	704.20	.00078
#2	.00079	.00889	.82135	3.1577	.26336	.69404	.01075	.00024	704.00	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03217**	**-.00040**	**.07077**	**-.00094**	**-.00336**	**10.222**	**-.00006**	**.71915**	**-.00787**	**-.00031**
Stddev	.00084	.00058	.00231	.00063	.00206	.025	.00011	.00047	.00171	.00001
%RSD	2.5956	143.61	3.2699	67.259	61.188	.24201	187.88	.06504	21.703	3.7263
#1	.03158	-.00081	.07241	-.00139	-.00481	10.204	-.00014	.71882	-.00908	-.00031
#2	.03276	.00001	.06914	-.00049	-.00191	10.239	.00002	.71948	-.00667	-.00032
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00243**	**.00017**	**.01161**	**-.00048**
Stddev	.00089	.00066	.00021	.00066	.00172
%RSD	135.35	27.125	117.36	5.6706	357.52
#1	.00128	.00196	.00032	.01208	.00073
#2	.00003	.00289	.00003	.01115	-.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.5**	**55606.**	**4226.1**
Stddev	1.0	110.	14.4
%RSD	.02571	.19711	.34005
#1	4056.2	55684.	4236.2
#2	4054.7	55529.	4215.9

Sample Name: 280-27142-C-3-A Acquired: 4/2/2012 19:55:07 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.01056**	**-.00233**	**.02359**	**.52479**	**.00003**	**-.00293**	**3.5747**	**.00025**	**.00001**
Stddev	.00042	.00034	.00184	.00065	.00031	.00004	.00045	.0060	.00015	.00016
%RSD	42.101	3.2210	79.057	2.7740	.05886	156.52	15.372	.16932	61.043	1139.5
#1	-.00131	.01081	-.00103	.02405	.52457	.00005	-.00261	3.5704	.00035	.00013
#2	-.00071	.01032	-.00363	.02312	.52501	.00000	-.00325	3.5790	.00014	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.00660**	**2.0036**	**2.2900**	**.03461**	**.87396**	**.02952**	**.00129**	**341.94**	**.00429**
Stddev	.00011	.00013	.0052	.0179	.00122	.00541	.00007	.00038	1.08	.00023
%RSD	7.1655	2.0112	.26104	.78116	3.5291	.61915	.24053	29.149	.31529	5.3566
#1	.00157	.00651	1.9999	2.3026	.03375	.87778	.02957	.00102	341.18	.00413
#2	.00142	.00670	2.0073	2.2773	.03547	.87013	.02947	.00156	342.70	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01842**	**-.00035**	**.05590**	**.00029**	W **-.00795**	**7.8569**	**-.00016**	**.31525**	**-.00514**	**-.00042**
Stddev	.00117	.00083	.00247	.00070	.00504	.0100	.00093	.00003	.00126	.00008
%RSD	6.3572	236.62	4.4211	241.64	63.403	.12701	566.89	.00822	24.447	19.110
#1	.01925	-.00093	.05415	.00078	-.01151	7.8498	.00049	.31523	-.00425	-.00048
#2	.01760	.00023	.05764	-.00020	-.00438	7.8640	-.00082	.31527	-.00603	-.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**-.00891**	**.00015**	**.00463**	**-.00095**
Stddev	.00088	.02305	.00017	.00026	.00005
%RSD	81.041	258.63	111.33	5.7070	5.1966
#1	-.00171	.00739	.00027	.00481	-.00098
#2	-.00046	-.02521	.00003	.00444	-.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4152.5**	**57786.**	**4264.6**
Stddev	2.1	111.	10.5
%RSD	.05088	.19198	.24709
#1	4151.0	57708.	4272.1
#2	4154.0	57865.	4257.2

Sample Name: 280-27145-E-1-A Acquired: 4/2/2012 19:57:45 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00175**	**9.4616**	**-.00256**	**.14434**	**.05970**	**.00025**	**-.00943**	**21.580**	**.00293**	**.00190**
Stddev	.00035	.0290	.00249	.00141	.00033	.00003	.00039	.042	.00002	.00020
%RSD	20.007	.30616	97.451	.97626	.55420	13.246	4.1130	.19279	.60348	10.472
#1	-.00200	9.4412	-.00079	.14334	.05947	.00027	-.00971	21.551	.00292	.00204
#2	-.00150	9.4821	-.00432	.14534	.05994	.00022	-.00916	21.610	.00295	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09286**	**.45938**	**4.9509**	**59.683**	**.03102**	**11.893**	**.09390**	**.02644**	W **3335.9**	**.08203**
Stddev	.00015	.00139	.0024	.116	.00419	.044	.00034	.00003	8.2	.00047
%RSD	.16601	.30233	.04889	.19411	13.518	.36907	.36709	.10332	.24544	.57497
#1	.09275	.46036	4.9492	59.601	.03399	11.924	.09414	.02646	3330.1	.08169
#2	.09297	.45839	4.9526	59.765	.02806	11.862	.09366	.02642	3341.7	.08236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **174.16**	**.01901**	**1260.9**	**.00124**	**-.00234**	W **78.152**	**.00332**	**.12679**	**-.00930**	**.05973**
Stddev	.23	.00184	.8	.00159	.00202	.037	.00079	.00019	.00024	.00093
%RSD	.12952	9.7055	.06636	128.04	86.255	.04788	23.759	.15368	2.5994	1.5547
#1	174.00	.02031	1260.3	.00236	-.00091	78.178	.00388	.12693	-.00913	.06038
#2	174.32	.01770	1261.5	.00012	-.00377	78.125	.00276	.12665	-.00947	.05907
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000					50.000				
Low Limit	-2.0000					-.10000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.01585**	**.00221**	**.37219**	**.00744**
Stddev	.00020	.01218	.00001	.00279	.00219
%RSD	26.368	76.845	.50519	.74829	29.420
#1	-.00062	.00724	.00221	.37416	.00899
#2	-.00090	.02446	.00220	.37022	.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3887.3**	**51749.**	**4216.9**
Stddev	4.5	146.	11.4
%RSD	.11596	.28162	.26964
#1	3890.4	51646.	4225.0
#2	3884.1	51852.	4208.9

Sample Name: CCVH-1338467 Acquired: 4/2/2012 20:00:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**50.004**	**.00092**	**.00010**	**-.00028**	**.00004**	**1.0131**	**.00395**	**-.00169**	**.00191**	**.00051**	**.00615**	**51.059**
Stddev	.00025	.128	.00354	.00075	.00019	.00000	.0037	.00442	.00012	.00002	.00019	.00046	.310
%RSD	35.056	.25612	384.30	736.49	67.527	5.6390	.36226	111.91	7.2645	1.1913	36.498	7.4673	.60668
#1	.00053	49.913	.00343	.00063	-.00015	.00004	1.0105	.00707	-.00178	.00193	.00064	.00582	50.839
#2	.00088	50.094	-.00158	-.00043	-.00042	.00004	1.0157	.00082	-.00161	.00189	.00038	.00647	51.278
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07792**	**.00351**	**-.04708**	**-.00104**	**-.00114**	**258.64**	**.00210**	**.00850**	**.00091**	**5.4614**	**-.00580**	**-.00892**	**.08015**
Stddev	.03325	.00011	.00243	.00008	.00002	.38	.00013	.00044	.00012	.0067	.00348	.00059	.00467
%RSD	42.676	3.1627	5.1598	8.0483	1.5835	.14625	6.3137	5.1263	13.093	.12357	60.007	6.6671	5.8253
#1	.10143	.00359	-.04536	-.00098	-.00113	258.37	.00201	.00881	.00083	5.4662	-.00826	-.00934	.08345
#2	.05440	.00344	-.04879	-.00110	-.00115	258.91	.00220	.00819	.00100	5.4566	-.00334	-.00850	.07685
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**.00039**	**4.9121**	**.00240**	**.00257**	**10.074**	**.00744**	**.00255**	**-.02268**
Stddev	.00009	.00005	.0031	.00008	.00013	.014	.00020	.00046	.00319
%RSD	2.8179	13.604	.06252	3.2111	5.2477	.13931	2.7174	18.115	14.045
#1	.00321	.00036	4.9099	.00235	.00267	10.084	.00758	.00223	-.02493
#2	.00334	.00043	4.9142	.00246	.00248	10.064	.00730	.00288	-.02043
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4275.2**	**59470.**	**4270.8**
Stddev	4.2	89.	17.0
%RSD	.09886	.14995	.39692
#1	4278.2	59533.	4282.7
#2	4272.2	59407.	4258.8

Sample Name: CCV-1338469 Acquired: 4/2/2012 20:03:27 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51391**	F **.57873**	**1.0660**	**.53406**	**.51118**	**.51352**	**.00009**	**5.1638**	**.52976**	**.51407**	**.50604**	**.53703**
Stddev	.00002	.00426	.0001	.00084	.00086	.00039	.00199	.0025	.00109	.00124	.00027	.00077
%RSD	.00335	.73527	.01246	.15799	.16727	.07647	2104.1	.04804	.20633	.24119	.05417	.14288
#1	.51392	.57572	1.0661	.53466	.51178	.51380	.00150	5.1656	.53054	.51495	.50624	.53649
#2	.51390	.58174	1.0659	.53347	.51057	.51325	-.00132	5.1621	.52899	.51319	.50585	.53757
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5582**	**53.229**	**1.0468**	**21.410**	**.51330**	**.51148**	**5.4369**	**.52964**	**1.0812**	**1.0546**	**.02888**	**1.0730**
Stddev	.0050	.054	.0004	.002	.00078	.00199	.0326	.00078	.0034	.0049	.00388	.0077
%RSD	.19484	.10191	.03665	.00896	.15107	.38858	.59894	.14659	.30973	.46363	13.436	.72002
#1	2.5618	53.267	1.0471	21.409	.51275	.51289	5.4599	.53019	1.0835	1.0580	.03162	1.0785
#2	2.5547	53.191	1.0465	21.412	.51384	.51007	5.4139	.52909	1.0788	1.0511	.02614	1.0675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0983**	**5.2516**	**.99646**	**.52982**	**-.00790**	**.50047**	**1.0756**	**.00224**	**.49382**	**.51654**	**.50921**
Stddev	.0021	.0122	.00075	.00117	.00206	.00060	.0007	.00041	.00045	.00093	.00139
%RSD	.19260	.23252	.07550	.22101	26.131	.12002	.06494	18.188	.09052	.17976	.27353
#1	1.0968	5.2602	.99699	.53065	-.00644	.50005	1.0761	.00253	.49414	.51588	.51019
#2	1.0998	5.2429	.99592	.52899	-.00936	.50090	1.0751	.00196	.49351	.51719	.50822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4375.1**	**61044.**	**4335.4**
Stddev	2.1	77.	5.5
%RSD	.04799	.12631	.12714
#1	4373.6	61098.	4331.5
#2	4376.5	60989.	4339.3

Sample Name: CCB Acquired: 4/2/2012 20:05:48 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00098**	**-.00059**	**.00097**	**-.00073**	W **-.00097**	**.00012**	**-.00113**	**-.00291**	**.00027**	**-.00038**
Stddev	.00008	.00080	.00596	.00073	.00017	.00003	.00299	.00329	.00002	.00013
%RSD	8.6268	134.83	615.62	99.412	17.757	27.008	263.66	112.93	7.7622	33.134
#1	-.00104	-.00003	-.00325	-.00125	-.00085	.00010	.00098	-.00524	.00028	-.00047
#2	-.00092	-.00115	.00518	-.00022	-.00109	.00015	-.00325	-.00059	.00025	-.00029
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	W **.00178**	**-.00062**	**-.01031**	**.00062**	W **-.02098**	F **-.00054**	**.00072**	F **.22695**	**.00020**
Stddev	.00014	.00020	.00192	.02391	.00003	.00055	.00008	.00019	.00492	.00022
%RSD	752.44	10.952	310.11	231.93	4.1854	2.6354	14.738	26.008	2.1680	110.03
#1	-.00008	.00164	.00074	-.02722	.00060	-.02059	-.00049	.00058	.23043	.00005
#2	.00012	.00192	-.00198	.00660	.00064	-.02138	-.00060	.00085	.22347	.00036
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00051		.10000	
Low Limit		-.00136				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00190**	**.00064**	**.01526**	W **.00345**	**-.00256**	**.01403**	**.00085**	**.00011**	**-.00540**	**-.00056**
Stddev	.00085	.00033	.00365	.00143	.00060	.01060	.00018	.00018	.00042	.00011
%RSD	44.962	51.000	23.919	41.592	23.464	75.577	21.685	167.22	7.7541	18.739
#1	.00250	.00041	.01784	.00244	-.00299	.00653	.00072	-.00002	-.00570	-.00049
#2	.00129	.00087	.01268	.00446	-.00214	.02152	.00098	.00023	-.00511	-.00064
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**-.02121**	**-.00065**	**.00209**	**-.00111**
Stddev	.00029	.01647	.00027	.00019	.00159
%RSD	22.357	77.648	41.405	8.9129	143.21
#1	.00110	-.00956	-.00046	.00222	-.00224
#2	.00151	-.03285	-.00084	.00195	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.7**	**61821.**	**4297.2**
Stddev	5.6	80.	22.1
%RSD	.12796	.12978	.51543
#1	4366.7	61878.	4281.5
#2	4358.8	61764.	4312.8

Sample Name: CCVL1341782 Acquired: 4/2/2012 20:08:22 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00944**	**.11575**	**.01525**	**.10400**	**.00953**	**.00100**	**.11085**	**.20146**	**.00542**	**.01023**	**.00982**
Stddev	.00097	.00033	.00056	.00071	.00003	.00009	.00302	.00217	.00018	.00003	.00005
%RSD	10.255	.28803	3.6473	.68321	.34291	8.7205	2.7202	1.0783	3.3982	.27945	.51271
#1	.01012	.11551	.01486	.10350	.00956	.00106	.11298	.20300	.00555	.01021	.00985
#2	.00875	.11598	.01564	.10451	.00951	.00094	.10872	.19993	.00529	.01025	.00978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01828**	**.09894**	**3.0196**	**.01175**	**.19270**	**.00984**	**.02011**	**1.1843**	**.04285**	**3.1213**	**.00885**
Stddev	.00018	.00184	.0629	.00076	.00313	.00005	.00022	.0089	.00008	.0001	.00012
%RSD	.97612	1.8568	2.0817	6.4617	1.6222	.53139	1.1047	.75355	.19447	.00408	1.3480
#1	.01816	.10024	2.9752	.01229	.19049	.00981	.01995	1.1906	.04291	3.1213	.00877
#2	.01841	.09764	3.0641	.01122	.19491	.00988	.02027	1.1780	.04279	3.1212	.00893
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**.01051**	F **.01012**	**.53726**	**.10110**	**.01060**	F **.00768**	**.00942**	**.01623**	W **.07350**	**.00959**
Stddev	.00401	.00032	.00493	.00783	.00004	.00019	.00099	.00007	.00015	.00439	.00004
%RSD	33.691	3.0287	48.717	1.4565	.03781	1.8257	12.846	.70089	.89483	5.9793	.44051
#1	.01473	.01074	.00663	.54279	.10107	.01073	.00838	.00937	.01612	.07039	.00962
#2	.00906	.01029	.01360	.53172	.10113	.01046	.00698	.00947	.01633	.07661	.00956
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value			.01500				.01500			.06000	
Range			-30.000%				-30.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02204**	**.01396**
Stddev	.00027	.00214
%RSD	1.2029	15.340
#1	.02223	.01547
#2	.02185	.01244
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4431.3**	**62672.**	**4337.4**
Stddev	5.5	25.	2.1
%RSD	.12444	.04038	.04818
#1	4435.2	62654.	4338.9
#2	4427.4	62690.	4336.0

Sample Name: 280-27144-E-1-A Acquired: 4/2/2012 20:10:54 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.00646**	**.00242**	**-.00052**	**-.00018**	**.00010**	**-.00189**	**.01516**	**.00023**	**-.00050**
Stddev	.00068	.00075	.00340	.00011	.00035	.00002	.00115	.00260	.00007	.00019
%RSD	85.338	11.542	140.73	21.339	196.34	15.276	60.545	17.169	30.496	38.232
#1	-.00127	.00593	.00482	-.00045	-.00043	.00011	-.00270	.01700	.00018	-.00036
#2	-.00031	.00698	.00001	-.00060	.00007	.00009	-.00108	.01332	.00028	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00216**	**.00979**	**-.10769**	**.00053**	**-.01299**	**.00150**	**-.00011**	**.11966**	**.00054**
Stddev	.00011	.00059	.00036	.02924	.00145	.00692	.00010	.00016	.00099	.00008
%RSD	19.898	27.151	3.6759	27.152	270.30	53.285	6.5124	145.68	.82711	15.115
#1	.00047	.00174	.01004	-.08701	.00156	-.01789	.00143	.00000	.12036	.00049
#2	.00062	.00257	.00954	-.12836	-.00049	-.00810	.00157	-.00022	.11896	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00462**	**.00053**	**.02855**	**-.00154**	**-.00382**	**.03301**	**-.00074**	**.00028**	**-.00535**	**-.00041**
Stddev	.00059	.00200	.00980	.00191	.00113	.02273	.00049	.00004	.00049	.00009
%RSD	12.682	381.14	34.312	124.29	29.505	68.858	67.029	12.891	9.1505	21.924
#1	.00503	-.00089	.03548	-.00019	-.00303	.01694	-.00039	.00030	-.00569	-.00047
#2	.00420	.00194	.02162	-.00289	-.00462	.04909	-.00108	.00025	-.00500	-.00034
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**-.01537**	**-.00048**	**.00393**	**.00018**
Stddev	.00066	.00308	.00006	.00042	.00216
%RSD	78.900	20.009	12.834	10.586	1187.9
#1	-.00130	-.01754	-.00044	.00364	-.00135
#2	-.00037	-.01319	-.00053	.00422	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4411.0**	**63074.**	**4365.3**
Stddev	6.4	197.	7.0
%RSD	.14457	.31233	.16073
#1	4406.4	63213.	4370.2
#2	4415.5	62935.	4360.3

Sample Name: 280-27144-E-2-A Acquired: 4/2/2012 20:13:29 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.58569**	**-.00026**	**.00420**	**.03427**	**.00013**	**-.00463**	**7.0099**	**.00038**	**.00034**
Stddev	.00018	.00262	.00160	.00026	.00002	.00002	.00395	.0078	.00015	.00009
%RSD	12.573	.44672	619.44	6.3038	.07157	17.438	85.372	.11161	38.361	25.496
#1	-.00131	.58754	-.00139	.00401	.03425	.00015	-.00743	7.0044	.00028	.00028
#2	-.00156	.58384	.00087	.00438	.03429	.00011	-.00184	7.0155	.00049	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00292**	**1.7032**	**1.6912**	**.00304**	**1.9558**	**.18915**	**-.00007**	**6.6046**	**.00001**
Stddev	.00003	.00020	.0001	.0324	.00132	.0011	.00012	.00001	.0074	.00007
%RSD	5.1270	7.0085	.00808	1.9141	43.345	.05549	.06242	8.8404	.11253	631.25
#1	.00069	.00277	1.7033	1.6683	.00211	1.9566	.18906	-.00007	6.6098	-.00004
#2	.00065	.00306	1.7031	1.7141	.00397	1.9550	.18923	-.00007	6.5993	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03259**	**.00011**	**.65533**	**.00228**	W **-.00516**	**9.5601**	**.00009**	**.08345**	**-.00687**	**.02305**
Stddev	.00267	.00064	.00794	.00015	.00357	.0141	.00026	.00010	.00016	.00099
%RSD	8.1891	563.21	1.2117	6.4638	69.131	.14751	290.64	.11970	2.2803	4.2961
#1	.03448	-.00034	.66094	.00238	-.00768	9.5700	.00028	.08338	-.00698	.02235
#2	.03070	.00057	.64971	.00218	-.00264	9.5501	-.00010	.08352	-.00676	.02375
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**-.00699**	**.00040**	**.00886**	**.00076**
Stddev	.00053	.00049	.00052	.00001	.00063
%RSD	87.562	7.0476	128.95	.13670	83.809
#1	-.00098	-.00664	.00077	.00887	.00121
#2	-.00023	-.00734	.00004	.00885	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4421.0**	**62395.**	**4372.1**
Stddev	4.0	153.	.2
%RSD	.09013	.24484	.00536
#1	4418.2	62287.	4371.9
#2	4423.8	62503.	4372.3

Sample Name: 280-27144-E-3-A Acquired: 4/2/2012 20:16:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00817**	**.00271**	**-.00145**	**-.00014**	**.00010**	**.00017**	**.06033**	**.00027**	**-.00029**
Stddev	.00004	.00144	.00213	.00031	.00033	.00012	.00058	.00104	.00017	.00000
%RSD	6.9222	17.611	78.768	21.715	244.80	113.15	348.78	1.7186	64.225	.53487
#1	-.00059	.00715	.00421	-.00123	.00010	.00002	-.00024	.06106	.00040	-.00029
#2	-.00054	.00919	.00120	-.00167	-.00037	.00019	.00057	.05960	.00015	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00395**	**.08642**	**-.03850**	**.00078**	**-.01380**	**.00290**	**.00006**	**.05856**	**-.00036**
Stddev	.00005	.00005	.00313	.03045	.00055	.00097	.00002	.00021	.00562	.00001
%RSD	8.0758	1.2330	3.6168	79.095	70.190	7.0192	.60217	354.96	9.5910	1.5804
#1	.00068	.00392	.08421	-.06004	.00039	-.01311	.00289	-.00009	.06253	-.00037
#2	.00060	.00399	.08863	-.01697	.00116	-.01448	.00292	.00021	.05459	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00285**	**-.00033**	**.01379**	**.00238**	**-.00469**	**.02662**	**.00044**	**.00025**	**-.00678**	**-.00076**
Stddev	.00175	.00144	.00160	.00007	.00230	.00602	.00072	.00000	.00085	.00013
%RSD	61.560	431.76	11.598	3.0035	48.919	22.611	164.82	1.8100	12.535	16.951
#1	.00161	.00068	.01266	.00243	-.00307	.02237	-.00007	.00025	-.00618	-.00085
#2	.00409	-.00135	.01492	.00233	-.00631	.03088	.00095	.00026	-.00738	-.00067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**-.01474**	**-.00031**	**.00855**	**-.00139**
Stddev	.00115	.00327	.00032	.00019	.00002
%RSD	79.955	22.220	103.71	2.2112	1.2649
#1	-.00062	-.01242	-.00053	.00868	-.00140
#2	-.00225	-.01705	-.00008	.00841	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4405.7**	**63237.**	**4365.7**
Stddev	.3	189.	4.5
%RSD	.00587	.29927	.10384
#1	4405.9	63104.	4368.9
#2	4405.5	63371.	4362.5

Sample Name: 280-27144-E-4-A Acquired: 4/2/2012 20:18:35 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**.19003**	**-.00236**	**.01770**	**.01882**	**.00009**	**-.00342**	**10.717**	**.00015**	**.00000**
Stddev	.00020	.00124	.00065	.00026	.00037	.00002	.00004	.032	.00003	.0002
%RSD	13.863	.65439	27.460	1.4811	1.9546	16.755	1.2656	.30180	17.159	8522.0
#1	-.00156	.18915	-.00282	.01751	.01856	.00010	-.00345	10.740	.00013	-.00015
#2	-.00128	.19091	-.00190	.01788	.01908	.00008	-.00339	10.694	.00017	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00441**	**1.6346**	**2.7399**	**.00200**	**2.5112**	**.22106**	**.00034**	**15.575**	**.00063**
Stddev	.00003	.00029	.0002	.0053	.00126	.0063	.00049	.00012	.440	.00012
%RSD	4.5332	6.5822	.01120	.19227	62.829	.25100	.21983	34.941	2.8253	18.602
#1	.00064	.00420	1.6345	2.7437	.00289	2.5067	.22071	.00025	15.886	.00071
#2	.00068	.00461	1.6347	2.7362	.00111	2.5157	.22140	.00042	15.264	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01725**	**.00168**	**2.8804**	**-.00081**	**-.00347**	**5.6752**	**-.00017**	**.05017**	**-.00741**	**.00227**
Stddev	.00022	.00006	.0073	.00008	.00086	.0070	.00008	.00009	.00070	.00049
%RSD	1.2788	3.8206	.25336	9.5642	24.682	.12367	48.516	.17289	9.4584	21.619
#1	.01740	.00164	2.8752	-.00075	-.00286	5.6801	-.00023	.05023	-.00692	.00193
#2	.01709	.00173	2.8856	-.00086	-.00407	5.6702	-.00011	.05011	-.00791	.00262
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00136**	**-.02098**	**-.00029**	**.00815**	**-.00154**
Stddev	.00049	.01444	.00040	.00003	.00036
%RSD	35.834	68.816	135.78	.32480	23.410
#1	-.00102	-.01077	-.00058	.00817	-.00129
#2	-.00171	-.03119	-.00001	.00813	-.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4421.0**	**62570.**	**4368.5**
Stddev	3.1	131.	13.1
%RSD	.06901	.20982	.30067
#1	4423.2	62477.	4359.2
#2	4418.9	62663.	4377.8

Sample Name: sd 280-27144-E-4-A@5 Acquired: 4/2/2012 20:21:05 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**.04113**	**.00181**	**.00213**	**.00317**	**.00008**	**-.00282**	**2.1726**	**.00019**	**-.00002**
Stddev	.00044	.00065	.00395	.00009	.00017	.00000	.00089	.0105	.00019	.00028
%RSD	35.835	1.5699	218.44	4.3464	5.5262	.78640	31.779	.48153	104.56	1257.6
#1	-.00153	.04068	.00460	.00206	.00329	.00008	-.00345	2.1652	.00005	-.00022
#2	-.00091	.04159	-.00099	.00219	.00304	.00008	-.00218	2.1800	.00032	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00249**	**.33622**	**.48649**	**.00221**	**.50497**	**.04494**	**-.00016**	**2.9926**	**.00027**
Stddev	.00003	.00002	.00334	.06612	.00018	.00317	.00010	.00001	.0014	.00058
%RSD	6.2390	.89804	.99364	13.590	8.1356	.62703	.21587	7.1383	.04656	218.82
#1	.00047	.00248	.33386	.53324	.00208	.50273	.04500	-.00015	2.9936	-.00015
#2	.00043	.00251	.33858	.43973	.00234	.50721	.04487	-.00016	2.9916	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00472**	**-.00148**	**.58627**	**-.00277**	W **-.00770**	**1.1361**	**-.00025**	**.01021**	**-.00721**	**.00013**
Stddev	.00328	.00070	.00089	.00091	.00126	.0190	.00078	.00010	.00025	.00028
%RSD	69.376	47.266	.15264	32.854	16.316	1.6682	306.46	1.0198	3.4949	217.30
#1	.00704	-.00197	.58690	-.00213	-.00681	1.1227	.00030	.01014	-.00739	-.00007
#2	.00241	-.00098	.58564	-.00342	-.00859	1.1495	-.00080	.01029	-.00703	.00033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00167**	**-.00638**	**-.00048**	**.00428**	**-.00049**
Stddev	.00247	.00416	.00022	.00011	.00083
%RSD	148.12	65.171	46.309	2.4691	170.07
#1	-.00341	-.00932	-.00064	.00420	.00010
#2	.00008	-.00344	-.00032	.00435	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4443.6**	**62854.**	**4385.0**
Stddev	3.1	104.	20.9
%RSD	.07018	.16517	.47755
#1	4445.8	62781.	4399.8
#2	4441.3	62927.	4370.2

Sample Name: 280-27144-E-4-B MS Acquired: 4/2/2012 20:23:37 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04894**	**2.3831**	**1.0379**	**1.0355**	**2.0098**	**.05021**	**2.0264**	**60.119**	**.10470**	**.48365**
Stddev	.00095	.0115	.0030	.0016	.0053	.00005	.0022	.180	.00038	.00024
%RSD	1.9333	.48030	.28573	.15221	.26466	.10523	.10590	.29976	.36687	.04921
#1	.04961	2.3750	1.0400	1.0344	2.0136	.05017	2.0249	60.246	.10443	.48382
#2	.04828	2.3912	1.0359	1.0366	2.0060	.05025	2.0280	59.991	.10497	.48348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19635**	**.26598**	**2.6064**	**55.306**	**1.0268**	**52.793**	**.71662**	**1.0032**	**65.553**	**.50577**
Stddev	.00051	.00040	.0104	.123	.0008	.044	.00051	.0000	.124	.00043
%RSD	.25913	.15028	.40072	.22324	.07374	.08409	.07048	.00264	.18987	.08539
#1	.19671	.26626	2.6138	55.393	1.0263	52.824	.71698	1.0032	65.465	.50547
#2	.19599	.26570	2.5990	55.219	1.0273	52.762	.71627	1.0031	65.641	.50608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.592**	**.50018**	**2.8727**	**.52175**	**2.0861**	**15.892**	**1.9060**	**1.0883**	**.96219**	**.98902**
Stddev	.007	.00023	.0006	.00096	.0115	.055	.0046	.0027	.00145	.00130
%RSD	.06534	.04634	.01993	.18310	.55007	.34399	.24193	.24563	.15093	.13156
#1	10.597	.50034	2.8723	.52107	2.0942	15.931	1.9027	1.0901	.96116	.98994
#2	10.588	.50001	2.8731	.52243	2.0780	15.854	1.9092	1.0864	.96321	.98810
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9900**	**2.0000**	**.48744**	**.49477**	**.49248**
Stddev	.0062	.0060	.00028	.00068	.00054
%RSD	.31132	.29994	.05738	.13763	.11040
#1	1.9943	2.0043	.48764	.49526	.49210
#2	1.9856	1.9958	.48725	.49429	.49286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4264.1**	**59702.**	**4345.7**
Stddev	2.7	130.	4.3
%RSD	.06218	.21763	.09872
#1	4262.2	59610.	4342.7
#2	4265.9	59794.	4348.7

Sample Name: 280-27144-E-4-C MSD Acquired: 4/2/2012 20:25:55 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04997**	**2.4010**	**1.0510**	**1.0513**	**2.0386**	**.05108**	**2.0581**	**60.850**	**.10597**	**.49037**
Stddev	.00022	.0026	.0020	.0029	.0065	.00012	.0062	.197	.00058	.00102
%RSD	.43544	.10637	.19406	.27471	.31706	.22764	.30203	.32447	.55086	.20896
#1	.05013	2.3992	1.0496	1.0493	2.0432	.05116	2.0537	60.990	.10556	.48964
#2	.04982	2.4028	1.0525	1.0534	2.0341	.05100	2.0625	60.710	.10638	.49109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19915**	**.26905**	**2.5637**	**56.077**	**1.0413**	**53.525**	**.72610**	**1.0168**	**66.418**	**.51256**
Stddev	.00072	.00130	.0055	.313	.0066	.079	.00070	.0017	.175	.00028
%RSD	.36134	.48140	.21420	.55740	.62891	.14711	.09663	.16614	.26402	.05460
#1	.19864	.26997	2.5675	56.298	1.0459	53.580	.72660	1.0156	66.542	.51236
#2	.19965	.26813	2.5598	55.856	1.0367	53.469	.72561	1.0180	66.294	.51276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.745**	**.50718**	**2.8954**	**.52731**	**2.1111**	**16.104**	**1.9292**	**1.1037**	**.97565**	**1.0009**
Stddev	.014	.00463	.0056	.00149	.0076	.060	.0021	.0040	.00530	.0024
%RSD	.12864	.91293	.19391	.28253	.36176	.36972	.10820	.35811	.54347	.24522
#1	10.736	.50390	2.8915	.52626	2.1165	16.146	1.9277	1.1065	.97940	1.0026
#2	10.755	.51045	2.8994	.52837	2.1057	16.061	1.9307	1.1009	.97190	.99916
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0124**	**2.0548**	**.49464**	**.49979**	**.49687**
Stddev	.0047	.0043	.00108	.00016	.00153
%RSD	.23568	.20862	.21880	.03159	.30813
#1	2.0091	2.0579	.49540	.49968	.49795
#2	2.0158	2.0518	.49387	.49990	.49579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4270.2**	**59776.**	**4332.4**
Stddev	7.9	7.	26.2
%RSD	.18608	.01107	.60570
#1	4264.6	59772.	4313.8
#2	4275.8	59781.	4350.9

Sample Name: CCVH-1338467 Acquired: 4/2/2012 20:28:11 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**49.405**	**.00009**	**.00247**	**-.00080**	**.00006**	**1.0044**	**.00880**	**-.00161**	**.00181**	**.00071**	**.00613**	**50.411**
Stddev	.00050	.032	.00056	.00062	.00024	.00002	.0000	.00054	.00005	.00009	.00011	.00006	.074
%RSD	153.85	.06465	599.10	25.220	30.700	31.994	.00182	6.1105	3.2588	4.8456	15.765	.95608	.14751
#1	.00067	49.382	-.00030	.00291	-.00062	.00008	1.0044	.00918	-.00165	.00175	.00063	.00617	50.463
#2	-.00003	49.427	.00049	.00203	-.00097	.00005	1.0044	.00842	-.00157	.00187	.00079	.00609	50.358
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07045**	**.00324**	**-.04907**	**-.00102**	**-.00035**	**256.35**	**.00158**	**.00716**	**.00043**	**5.3828**	**-.00654**	**-.00742**	**.01730**
Stddev	.02608	.00140	.00619	.00006	.00021	.09	.00019	.00179	.00165	.0074	.00003	.00349	.00104
%RSD	37.011	43.147	12.625	5.4819	60.229	.03368	11.988	24.983	385.94	.13728	.39758	47.062	5.9939
#1	-.05202	.00225	-.05345	-.00105	-.00049	256.29	.00171	.00843	.00160	5.3776	-.00655	-.00988	.01804
#2	-.08889	.00422	-.04469	-.00098	-.00020	256.41	.00144	.00590	-.00074	5.3880	-.00652	-.00495	.01657
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00285**	**.00039**	**4.8730**	**.00187**	**.00385**	**9.9812**	**.00792**	**.00249**	**-.02143**
Stddev	.00172	.00002	.0006	.00010	.00259	.0145	.00126	.00019	.00177
%RSD	60.206	5.3472	.01142	5.3125	67.168	.14527	15.925	7.7201	8.2774
#1	.00164	.00041	4.8726	.00194	.00202	9.9709	.00703	.00262	-.02018
#2	.00407	.00038	4.8734	.00180	.00568	9.9914	.00881	.00235	-.02269
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4337.3**	**60165.**	**4352.7**
Stddev	3.5	133.	12.2
%RSD	.08025	.22140	.27915
#1	4339.8	60259.	4361.3
#2	4334.9	60071.	4344.1

Sample Name: CCV-1338469 Acquired: 4/2/2012 20:30:40 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50878**	F **.57274**	**1.0616**	**.53371**	**.50773**	**.51130**	**-.00149**	**5.1525**	**.52682**	**.51074**	**.50278**	**.53899**
Stddev	.00083	.00434	.0001	.00027	.00033	.00141	.00046	.0564	.00104	.00114	.00070	.00059
%RSD	.16407	.75741	.00779	.05146	.06476	.27638	31.023	1.0938	.19812	.22314	.13841	.10957
#1	.50937	.56968	1.0617	.53390	.50750	.51230	-.00182	5.1126	.52755	.51154	.50327	.53941
#2	.50819	.57581	1.0616	.53351	.50796	.51030	-.00116	5.1923	.52608	.50993	.50228	.53857
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5741**	**53.274**	**1.0458**	**21.322**	**.51170**	**.50962**	**5.4079**	**.52757**	**1.0741**	**1.0500**	**-.00172**	**1.0723**
Stddev	.0429	.074	.0025	.026	.00125	.00133	.3308	.00017	.0033	.0017	.00220	.0065
%RSD	1.6659	.13916	.24298	.11983	.24405	.26010	6.1162	.03266	.30304	.15732	128.33	.60792
#1	2.5438	53.326	1.0476	21.340	.51258	.51056	5.1740	.52769	1.0764	1.0511	-.00016	1.0769
#2	2.6044	53.221	1.0440	21.304	.51081	.50869	5.6418	.52745	1.0718	1.0488	-.00327	1.0677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1027**	**5.1670**	**.98665**	**.52921**	**-.00641**	**.49478**	**1.0763**	**.00510**	**.48773**	**.51304**	**.50506**
Stddev	.0092	.0038	.00239	.00079	.00176	.00116	.0034	.00658	.00083	.00110	.00134
%RSD	.83108	.07377	.24194	.14951	27.444	.23400	.31441	129.22	.16952	.21523	.26489
#1	1.1092	5.1697	.98834	.52977	-.00765	.49560	1.0787	.00975	.48832	.51382	.50601
#2	1.0963	5.1643	.98496	.52865	-.00516	.49396	1.0739	.00044	.48715	.51226	.50412
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000										
Range	10.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4408.3**	**61818.**	**4354.9**
Stddev	.1	257.	28.5
%RSD	.00246	.41619	.65540
#1	4408.4	61636.	4334.7
#2	4408.2	62000.	4375.1

Sample Name: CCB Acquired: 4/2/2012 20:33:02 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00165**	**-.00075**	**.00172**	**.00030**	W **-.00093**	**.00006**	**-.00234**	**.00073**	**.00028**	**-.00026**
Stddev	.00018	.00111	.00119	.00047	.00018	.00001	.00107	.00386	.00014	.00000
%RSD	10.969	149.06	68.984	156.19	18.851	10.921	45.907	530.05	49.511	.45430
#1	-.00152	-.00153	.00256	-.00003	-.00105	.00006	-.00158	.00346	.00018	-.00026
#2	-.00177	.00004	.00088	.00063	-.00080	.00007	-.00310	-.00200	.00037	-.00026
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	W **.00247**	**-.00455**	**-.17342**	**.00234**	F **-.02188**	F **-.00057**	**.00081**	**.02639**	**-.00001**
Stddev	.00020	.00008	.00038	.05098	.00105	.00060	.00002	.00011	.00403	.00009
%RSD	87.150	3.2716	8.3841	29.396	45.050	2.7404	3.8351	13.167	15.284	917.56
#1	-.00037	.00253	-.00428	-.13737	.00159	-.02145	-.00058	.00073	.02924	.00006
#2	-.00009	.00242	-.00482	-.20946	.00308	-.02230	-.00055	.00088	.02354	-.00008
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.02140	.00051			
Low Limit		-.00136				-.02140	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00064**	**-.00337**	W **.00564**	**-.00416**	**-.00071**	**.00067**	**.00011**	**-.00825**	W **-.00061**
Stddev	.00241	.00032	.00271	.00155	.00071	.01085	.00015	.00016	.00029	.00047
%RSD	945.95	49.913	80.385	27.557	17.061	1528.2	22.145	143.80	3.5642	76.877
#1	-.00196	.00042	-.00146	.00454	-.00466	-.00838	.00057	.00023	-.00804	-.00095
#2	.00145	.00087	-.00529	.00674	-.00366	.00696	.00078	.00000	-.00846	-.00028
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00314						.00060
Low Limit				-.00314						-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**-.00866**	**-.00074**	**.00170**	**.00108**
Stddev	.00163	.00481	.00001	.00030	.00144
%RSD	237.61	55.577	1.2749	17.877	133.74
#1	-.00047	-.01206	-.00075	.00148	.00210
#2	.00184	-.00526	-.00073	.00191	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4408.9**	**62564.**	**4337.2**
Stddev	.1	190.	20.0
%RSD	.00228	.30307	.46076
#1	4409.0	62698.	4323.1
#2	4408.9	62430.	4351.3

Sample Name: CCVL1341782 Acquired: 4/2/2012 20:35:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00882**	**.11657**	**.01411**	**.10472**	**.00925**	**.00102**	**.10996**	**.20865**	**.00536**	**.01031**	**.01004**
Stddev	.00016	.00021	.00207	.00013	.00083	.00004	.00240	.00852	.00005	.00001	.00006
%RSD	1.7875	.18225	14.682	.12141	9.0276	4.0297	2.1841	4.0843	.90086	.12888	.58843
#1	.00893	.11642	.01558	.10463	.00866	.00105	.10827	.21467	.00533	.01032	.01008
#2	.00871	.11672	.01265	.10481	.00984	.00099	.11166	.20262	.00539	.01031	.01000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01881**	**.09874**	**3.0695**	W **.01290**	**.19314**	**.00997**	**.02039**	**1.0373**	**.04288**	**3.1281**	**.01061**
Stddev	.00019	.00017	.0257	.00156	.00354	.00008	.00002	.0122	.00009	.0024	.00031
%RSD	1.0273	.17065	.83754	12.119	1.8305	.75757	.09332	1.1746	.22033	.07721	2.9446
#1	.01895	.09862	3.0513	.01179	.19064	.00991	.02038	1.0459	.04294	3.1298	.01083
#2	.01867	.09886	3.0876	.01400	.19564	.01002	.02040	1.0287	.04281	3.1264	.01039
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00213**	**.01071**	**.01524**	**.50701**	**.09948**	**.01057**	F **.00625**	**.00947**	**.01639**	F **.03447**	**.00864**
Stddev	.00757	.00100	.00276	.00198	.00048	.00005	.00032	.00015	.00005	.00071	.00049
%RSD	355.49	9.3330	18.131	.39052	.48268	.43683	5.1737	1.5993	.27996	2.0724	5.6617
#1	-.00748	.01142	.01720	.50841	.09982	.01054	.00602	.00958	.01636	.03497	.00830
#2	.00322	.01000	.01329	.50561	.09914	.01061	.00648	.00937	.01642	.03396	.00899
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.01500			.06000	
Range							-30.000%			-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02324**	**.01505**
Stddev	.00017	.00015
%RSD	.75127	1.0190
#1	.02336	.01516
#2	.02312	.01495
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4451.4**	**63144.**	**4366.6**
Stddev	3.4	76.	6.1
%RSD	.07700	.12031	.14014
#1	4453.8	63090.	4362.3
#2	4448.9	63198.	4371.0

Sample Name: MB 280-113753/1-A Acquired: 4/2/2012 20:38:11 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.00133**	**-.00047**	**-.00063**	**-.00091**	**-.00001**	**-.00349**	**.01194**	**.00032**	**-.00032**
Stddev	.00020	.00116	.00170	.00045	.00000	.00007	.00069	.00333	.00001	.00015
%RSD	18.833	86.591	359.01	72.015	.27013	1009.7	19.811	27.903	4.0691	47.505
#1	-.00094	.00052	.00073	-.00095	-.00091	-.00005	-.00398	.00958	.00033	-.00043
#2	-.00123	.00215	-.00167	-.00031	-.00091	.00004	-.00300	.01430	.00031	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00276**	**.00019**	**-.08700**	**.00091**	**-.02085**	**-.00050**	**-.00014**	**.00964**	**-.00012**
Stddev	.00022	.00028	.00111	.01600	.00009	.00158	.00002	.00009	.02244	.00001
%RSD	244.48	10.253	570.43	18.389	10.004	7.5633	4.3162	67.515	232.79	6.8952
#1	-.00025	.00256	-.00059	-.09831	.00084	-.02197	-.00049	-.00007	-.00623	-.00011
#2	.00007	.00296	.00098	-.07569	.00097	-.01974	-.00052	-.00020	.02551	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**-.00059**	**.00282**	**.00146**	**-.00173**	**.00438**	**-.00004**	**.00013**	W **-.00643**	**-.00063**
Stddev	.00258	.00072	.00275	.00178	.00533	.00663	.00043	.00004	.00005	.00034
%RSD	218.11	123.13	97.266	122.36	307.29	151.44	1043.4	31.534	.75136	54.025
#1	-.00301	-.00008	.00088	.00020	-.00550	.00906	.00026	.00010	-.00646	-.00087
#2	.00064	-.00109	.00476	.00272	.00203	-.00031	-.00035	.00015	-.00640	-.00039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00500	
Low Limit									-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**-.01924**	**-.00101**	**.00388**	**-.00056**
Stddev	.00136	.00163	.00004	.00051	.00209
%RSD	454.63	8.4612	4.4300	13.020	375.04
#1	.00066	-.01809	-.00098	.00352	-.00204
#2	-.00126	-.02039	-.00104	.00424	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4428.1**	**63083.**	**4372.4**
Stddev	8.2	77.	15.2
%RSD	.18526	.12136	.34802
#1	4422.3	63028.	4383.1
#2	4433.9	63137.	4361.6

Sample Name: LCS 280-113753/2-A Acquired: 4/2/2012 20:40:47 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04955**	F **2.1882**	**1.0608**	**1.0466**	**2.0407**	**.05210**	**2.0732**	**50.830**	**.10736**	**.49751**
Stddev	.00032	.0095	.0024	.0013	.0009	.00003	.0010	.087	.00008	.00039
%RSD	.64806	.43660	.22489	.12121	.04535	.06590	.04741	.17061	.07544	.07886
#1	.04932	2.1815	1.0591	1.0457	2.0413	.05212	2.0725	50.891	.10742	.49779
#2	.04978	2.1950	1.0625	1.0475	2.0400	.05208	2.0739	50.769	.10730	.49724
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.1600								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20179**	**.27267**	F **1.1416**	**54.101**	**1.0583**	**52.037**	**.51536**	**1.0312**	**52.703**	**.52170**
Stddev	.00002	.00012	.0029	.011	.0004	.002	.00043	.0005	.284	.00057
%RSD	.00754	.04458	.25711	.01978	.04285	.00362	.08431	.05130	.53901	.10991
#1	.20181	.27258	1.1395	54.108	1.0586	52.038	.51566	1.0316	52.502	.52211
#2	.20178	.27275	1.1436	54.093	1.0580	52.035	.51505	1.0308	52.903	.52130
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1400							
Low Limit			.88000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.865**	**.51431**	**.00079**	**.53707**	**2.1490**	**10.466**	**1.9449**	**1.0742**	**.97877**	**1.0026**
Stddev	.019	.00084	.00123	.00338	.0045	.015	.0008	.0009	.00122	.0002
%RSD	.17284	.16308	154.89	.62992	.21019	.13880	.04006	.08714	.12496	.01695
#1	10.852	.51490	-.00008	.53468	2.1522	10.456	1.9443	1.0749	.97963	1.0025
#2	10.878	.51372	.00166	.53946	2.1458	10.476	1.9454	1.0736	.97790	1.0027
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0571**	**2.0688**	**.49583**	**.51243**	**.50367**
Stddev	.0002	.0101	.00019	.00019	.00139
%RSD	.00900	.48978	.03829	.03802	.27560
#1	2.0572	2.0616	.49596	.51257	.50269
#2	2.0570	2.0759	.49570	.51230	.50465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4261.2**	**60062.**	**4298.2**
Stddev	7.9	156.	10.9
%RSD	.18561	.25980	.25324
#1	4255.6	59951.	4290.5
#2	4266.8	60172.	4305.9

Sample Name: 280-27139-E-1-A Acquired: 4/2/2012 20:43:05 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.00473**	**-.00192**	**.09201**	**.00677**	**-.00005**	**-.00599**	**490.28**	**.00065**	**.00082**
Stddev	.00032	.00134	.00619	.00185	.00047	.00011	.00440	2.73	.00006	.00041
%RSD	21.308	28.254	322.21	2.0105	6.9834	213.82	73.393	.55620	9.1969	50.582
#1	-.00128	.00379	-.00630	.09332	.00643	-.00013	-.00910	492.21	.00069	.00052
#2	-.00173	.00568	.00246	.09070	.00710	.00003	-.00288	488.36	.00060	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00494**	**4.3257**	**12.108**	**.13428**	**492.49**	**.73787**	**.00257**	W **577.83**	**.00372**
Stddev	.00018	.00042	.0206	.044	.00030	1.02	.00105	.00126	1.15	.00063
%RSD	20.542	8.5065	.47690	.36260	.22433	.20683	.14171	49.267	.19975	17.052
#1	.00073	.00524	4.3111	12.077	.13407	491.77	.73713	.00167	577.01	.00327
#2	.00098	.00465	4.3403	12.139	.13449	493.21	.73861	.00346	578.65	.00417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02920**	W **-.00303**	**1274.3**	**-.00033**	**.00778**	**4.3203**	**.00206**	W **11.548**	**-.00909**	**-.00179**
Stddev	.00375	.00216	6.3	.00027	.00305	.0217	.00370	.009	.00013	.00030
%RSD	12.844	71.348	.49264	80.946	39.221	.50297	179.66	.07954	1.4569	16.783
#1	.02655	-.00456	1278.7	-.00052	.00562	4.3049	-.00056	11.542	-.00918	-.00158
#2	.03185	-.00150	1269.8	-.00014	.00993	4.3357	.00468	11.555	-.00900	-.00200
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit		10.000						10.000		
Low Limit		-.00300						-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.02246**	**.00200**	**.00941**	**.00063**
Stddev	.00168	.00088	.00031	.00030	.00220
%RSD	454.97	3.8974	15.399	3.2332	348.43
#1	-.00082	-.02308	.00221	.00920	-.00092
#2	.00155	-.02184	.00178	.00963	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3868.4**	**54016.**	**4169.1**
Stddev	1.4	128.	13.3
%RSD	.03492	.23715	.31838
#1	3869.4	54106.	4159.7
#2	3867.5	53925.	4178.5

Sample Name: 280-27139-E-2-A Acquired: 4/2/2012 20:46:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00221**	**.01555**	**-.00193**	**.07789**	**.00666**	**-.00007**	**-.00754**	**406.54**	**.00081**	**.00154**
Stddev	.00010	.00093	.00175	.00052	.00003	.00006	.00090	5.44	.00001	.00011
%RSD	4.3217	5.9935	90.745	.67083	.52014	98.720	11.885	1.3382	1.0062	6.9842
#1	-.00228	.01490	-.00317	.07826	.00668	-.00011	-.00818	402.69	.00082	.00146
#2	-.00214	.01621	-.00069	.07752	.00663	-.00002	-.00691	410.38	.00080	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.00489**	**.05682**	**9.6833**	**.03478**	W **551.20**	**.01306**	**.00203**	W **765.63**	**.00068**
Stddev	.00002	.00028	.00200	.0629	.00047	4.90	.00005	.00029	1.55	.00040
%RSD	1.6836	5.6932	3.5169	.64949	1.3560	.88947	.34527	14.312	.20206	58.279
#1	.00092	.00469	.05823	9.6388	.03445	554.67	.01309	.00224	766.72	.00096
#2	.00095	.00509	.05541	9.7278	.03512	547.74	.01303	.00183	764.53	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01550**	**-.00200**	**1457.5**	**-.00323**	**.00728**	**3.8076**	**-.00054**	**7.0712**	**-.00989**	**-.00225**
Stddev	.00205	.00107	4.3	.00029	.00269	.0092	.00070	.0180	.00020	.00014
%RSD	13.223	53.790	.29552	8.9544	36.970	.24162	128.94	.25496	2.0676	6.0904
#1	.01405	-.00276	1460.6	-.00303	.00537	3.8011	-.00104	7.0839	-.00975	-.00234
#2	.01695	-.00124	1454.5	-.00344	.00918	3.8141	-.00005	7.0584	-.01004	-.00215
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.01132**	**.00274**	**.00745**	**-.00094**
Stddev	.00179	.01481	.00076	.00063	.00088
%RSD	894.52	130.89	27.606	8.5201	93.017
#1	-.00147	.00084	.00220	.00790	-.00032
#2	.00107	.02179	.00327	.00700	-.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3849.9**	**53209.**	**4170.7**
Stddev	6.7	247.	11.9
%RSD	.17322	.46421	.28559
#1	3854.6	53035.	4162.3
#2	3845.2	53384.	4179.1

Sample Name: 280-27139-E-3-A Acquired: 4/2/2012 20:50:12 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00182**	**.00277**	**.00116**	**.10339**	**.01234**	**-.00005**	**-.00590**	**413.33**	**.00084**	**.00165**
Stddev	.00052	.00053	.00286	.00072	.00028	.00007	.00136	1.41	.00005	.00001
%RSD	28.301	19.292	245.93	.69428	2.2389	139.44	23.078	.34037	6.4027	.55002
#1	-.00146	.00315	.00319	.10390	.01254	-.00010	-.00493	412.33	.00080	.00166
#2	-.00219	.00239	-.00086	.10289	.01215	.00000	-.00686	414.32	.00088	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00773**	**.77477**	**24.884**	**.05785**	W **1663.6**	**.40687**	**.00534**	W **2507.3**	**.00705**
Stddev	.00002	.00008	.00140	.260	.00082	5.3	.00068	.00001	6.8	.00019
%RSD	4.2051	1.0518	.18121	1.0460	1.4095	.31631	.16595	.10004	.27050	2.6780
#1	.00050	.00767	.77378	24.700	.05727	1667.3	.40735	.00534	2502.5	.00692
#2	.00047	.00779	.77577	25.068	.05842	1659.8	.40639	.00533	2512.1	.00718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04092**	W **-.00437**	**2971.1**	**-.00237**	**.10810**	**4.4873**	**-.00136**	W **18.085**	W **-.01200**	W **-.01220**
Stddev	.00530	.00009	11.6	.00361	.00657	.0301	.00076	.034	.00078	.00011
%RSD	12.955	2.1430	.38928	152.79	6.0789	.67027	55.846	.18543	6.5308	.86635
#1	.04467	-.00431	2979.3	.00019	.10346	4.4661	-.00190	18.061	-.01256	-.01213
#2	.03717	-.00444	2962.9	-.00492	.11275	4.5086	-.00082	18.108	-.01145	-.01228
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn
High Limit		10.000						10.000	45.000	10.000
Low Limit		-.00300						-.01000	-.01000	-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00334**	**.07353**	**.00344**	**.00618**	**-.00146**
Stddev	.00047	.04306	.00022	.00049	.00097
%RSD	14.190	58.569	6.5304	7.9162	66.159
#1	-.00368	.04308	.00360	.00653	-.00078
#2	-.00300	.10398	.00328	.00584	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3570.5**	**49430.**	**4088.0**
Stddev	2.2	26.	6.3
%RSD	.06301	.05217	.15388
#1	3568.9	49412.	4092.4
#2	3572.1	49449.	4083.5

Sample Name: sd 280-27139-E-3-A@5 Acquired: 4/2/2012 20:53:48 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**-.00017**	**-.00165**	**.02080**	**.00189**	**.00001**	**-.00533**	**87.538**	**.00060**	**.00023**
Stddev	.00048	.00159	.00065	.00042	.00036	.00002	.00059	.193	.00009	.00025
%RSD	41.235	906.58	39.188	2.0165	19.212	107.99	11.006	.22006	14.735	105.73
#1	-.00082	-.00130	-.00119	.02109	.00214	.00003	-.00492	87.674	.00066	.00041
#2	-.00150	.00095	-.00210	.02050	.00163	.00000	-.00575	87.402	.00054	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00450**	**.16321**	**4.6043**	**.01055**	**353.65**	**.08342**	**.00060**	**494.76**	**.00159**
Stddev	.00001	.00067	.00020	.0034	.00015	3.28	.00019	.00010	.19	.00041
%RSD	1.3243	14.797	.12535	.07272	1.3896	.92730	.22571	16.507	.03861	25.834
#1	.00042	.00497	.16335	4.6067	.01044	355.97	.08355	.00053	494.89	.00188
#2	.00041	.00403	.16306	4.6019	.01065	351.33	.08328	.00067	494.62	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**-.00100**	**751.52**	**.00085**	**.01413**	**.89492**	**-.00133**	**3.7099**	**-.00990**	**-.00322**
Stddev	.00002	.00092	1.74	.00130	.00746	.00725	.00047	.0023	.00150	.00036
%RSD	.20855	91.565	.23137	153.24	52.769	.81027	35.501	.06127	15.176	11.252
#1	.01091	-.00165	752.75	-.00007	.01940	.88979	-.00099	3.7115	-.00883	-.00297
#2	.01088	-.00035	750.29	.00177	.00886	.90004	-.00166	3.7083	-.01096	-.00348
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.01565**	**.00230**	**.00348**	**-.00103**
Stddev	.00149	.01617	.00007	.00062	.00105
%RSD	306.84	103.29	3.0539	17.701	101.06
#1	-.00057	-.00422	.00226	.00305	-.00177
#2	.00153	-.02709	.00235	.00392	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4029.6**	**55954.**	**4228.9**
Stddev	8.0	111.	16.4
%RSD	.19783	.19922	.38689
#1	4035.2	55876.	4217.3
#2	4024.0	56033.	4240.4

Sample Name: CCVH-1338467 Acquired: 4/2/2012 20:56:29 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**49.894**	**-.00327**	**.00008**	**-.00075**	**.00007**	**1.0023**	**.04526**	**-.00159**	**.00185**	**.00056**	**.00697**	**51.232**
Stddev	.00034	.016	.00389	.00039	.00005	.00002	.0047	.01371	.00015	.00008	.00011	.00043	.031
%RSD	47.210	.03142	118.98	495.36	7.0096	27.219	.47238	30.299	9.3489	4.1580	19.011	6.1598	.05977
#1	.00096	49.882	-.00052	.00035	-.00071	.00005	1.0056	.05495	-.00170	.00180	.00048	.00666	51.211
#2	.00048	49.905	-.00602	-.00020	-.00079	.00008	.99891	.03556	-.00149	.00191	.00063	.00727	51.254
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02304**	**.00346**	**.00554**	**-.00102**	**-.00140**	**259.60**	**.00187**	**.00414**	**.00087**	**5.6513**	**-.00507**	**-.00685**	**.00152**
Stddev	.05115	.00233	.00544	.00002	.00020	.36	.00016	.00132	.00251	.0290	.00099	.00153	.00305
%RSD	221.98	67.150	98.237	1.6908	14.262	.13944	8.6823	31.809	289.48	.51223	19.451	22.347	200.05
#1	-.01313	.00182	.00938	-.00103	-.00154	259.86	.00198	.00321	-.00091	5.6718	-.00438	-.00577	.00368
#2	.05921	.00511	.00169	-.00101	-.00126	259.35	.00175	.00507	.00264	5.6309	-.00577	-.00793	-.00063
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**.00187**	**4.8648**	**.00200**	**.00113**	**10.070**	**.00809**	**.00200**	**-.01602**
Stddev	.00011	.00050	.0093	.00024	.00133	.042	.00021	.00023	.00367
%RSD	5.0377	26.495	.19032	11.834	117.93	.41923	2.5791	11.551	22.903
#1	.00227	.00222	4.8713	.00217	.00207	10.100	.00794	.00184	-.01862
#2	.00212	.00152	4.8582	.00184	.00019	10.040	.00824	.00216	-.01343
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4326.5**	**60100.**	**4313.2**
Stddev	2.5	114.	11.6
%RSD	.05762	.18991	.27004
#1	4328.3	60020.	4321.4
#2	4324.7	60181.	4305.0

Sample Name: CCV-1338469 Acquired: 4/2/2012 20:58:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50248**	F **.58385**	**1.0694**	**.53550**	**.50987**	**.51815**	**.00018**	**5.1467**	**.52916**	**.51196**	**.50430**	**.53962**
Stddev	.00087	.00437	.0018	.00095	.00023	.00001	.00207	.0106	.00076	.00179	.00192	.00108
%RSD	.17382	.74817	.16416	.17719	.04534	.00154	1143.4	.20608	.14335	.34935	.38039	.19931
#1	.50310	.58076	1.0682	.53483	.50970	.51814	.00165	5.1392	.52862	.51069	.50294	.54038
#2	.50186	.58694	1.0706	.53617	.51003	.51815	-.00128	5.1542	.52969	.51322	.50566	.53886
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5850**	**54.208**	**1.0627**	**21.438**	**.51286**	**.51317**	F **5.6396**	**.53382**	**1.0850**	**1.0543**	**.08416**	**1.0823**
Stddev	.0070	.007	.0003	.032	.00097	.00163	.0549	.00178	.0038	.0059	.00047	.0006
%RSD	.27229	.01237	.02420	.15006	.18823	.31795	.97346	.33313	.35415	.56023	.55933	.05813
#1	2.5900	54.213	1.0629	21.460	.51354	.51201	5.6784	.53256	1.0823	1.0501	.08382	1.0818
#2	2.5800	54.203	1.0625	21.415	.51217	.51432	5.6007	.53507	1.0877	1.0585	.08449	1.0827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1148**	**5.2384**	**.98023**	**.53765**	**-.00687**	**.49158**	**1.0759**	**.00198**	**.48376**	**.51244**	**.50994**
Stddev	.0027	.0403	.00258	.00011	.00033	.00008	.0012	.02295	.00057	.00035	.00176
%RSD	.24092	.76878	.26312	.01991	4.8631	.01714	.10763	1161.0	.11818	.06786	.34533
#1	1.1129	5.2668	.97841	.53773	-.00710	.49164	1.0751	.01820	.48335	.51219	.50870
#2	1.1167	5.2099	.98206	.53758	-.00663	.49152	1.0767	-.01425	.48416	.51269	.51119
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000										
Range	10.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4390.8**	**61845.**	**4323.3**
Stddev	16.2	78.	14.4
%RSD	.36979	.12680	.33372
#1	4402.3	61790.	4313.1
#2	4379.4	61901.	4333.5

Sample Name: CCB Acquired: 4/2/2012 21:01:19 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00179**	**-.00143**	**.00400**	**-.00126**	W **-.00111**	**.00014**	**-.00166**	**.00350**	**.00014**	**-.00040**
Stddev	.00026	.00025	.00065	.00015	.00034	.00002	.00371	.00003	.00007	.00004
%RSD	14.546	17.527	16.140	11.740	30.948	13.879	224.10	.85146	49.638	9.3515
#1	-.00161	-.00161	.00354	-.00116	-.00135	.00013	-.00428	.00352	.00009	-.00038
#2	-.00198	-.00126	.00446	-.00137	-.00086	.00016	.00097	.00348	.00020	-.00043
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	W **.00271**	**-.00362**	**-.03036**	**.00246**	W **-.01324**	W **-.00046**	**.00052**	F **.42446**	**.00002**
Stddev	.00001	.00025	.00197	.06464	.00283	.00028	.00003	.00021	.00777	.00018
%RSD	6.0818	9.3023	54.418	212.93	115.12	2.0971	5.7777	39.571	1.8303	844.81
#1	-.00009	.00254	-.00502	-.07606	.00446	-.01305	-.00047	.00067	.42995	.00015
#2	-.00010	.00289	-.00223	.01535	.00046	-.01344	-.00044	.00038	.41897	-.00011
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00025		.10000	
Low Limit		-.00136				-.01070	-.00025		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00042**	**.06138**	**.00259**	W **-.00561**	**.00563**	**.00014**	**.00020**	**-.00662**	**-.00021**
Stddev	.00042	.00030	.00212	.00086	.00598	.01190	.00009	.00003	.00004	.00005
%RSD	150.14	71.550	3.4523	33.197	106.47	211.52	62.815	15.412	.56912	24.912
#1	.00057	.00021	.06288	.00198	-.00139	-.00279	.00008	.00018	-.00664	-.00024
#2	-.00002	.00064	.05989	.00320	-.00984	.01404	.00020	.00022	-.00659	-.00017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00486					
Low Limit					-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00097**	**-.00089**	**.00150**	**.00024**
Stddev	.00166	.00202	.00001	.00001	.00125
%RSD	183.48	208.51	.69018	.53790	511.29
#1	.00208	.00240	-.00089	.00151	-.00064
#2	-.00027	-.00046	-.00090	.00150	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4392.6**	**62563.**	**4281.2**
Stddev	5.4	240.	8.9
%RSD	.12327	.38384	.20733
#1	4388.8	62733.	4287.5
#2	4396.4	62393.	4274.9

Sample Name: CCVL1341782 Acquired: 4/2/2012 21:03:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00909**	W **.12937**	**.01443**	**.10504**	**.00992**	**.00105**	**.11246**	F **.26998**	**.00559**	**.01042**	**.01034**
Stddev	.00026	.00079	.00220	.00070	.00000	.00001	.00079	.00139	.00005	.00003	.00020
%RSD	2.8261	.61272	15.279	.67088	.04250	1.1129	.70489	.51317	.88622	.29550	1.9565
#1	.00927	.12881	.01599	.10454	.00992	.00106	.11190	.27096	.00562	.01045	.01049
#2	.00891	.12993	.01287	.10554	.00993	.00104	.11302	.26900	.00555	.01040	.01020
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.10000						.20000			
Range		20.000%						30.000%			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.02047**	W **.12058**	**3.2723**	F **.01429**	**.21582**	**.01054**	**.02064**	F **1.4643**	**.04439**	**3.2241**	**.00915**
Stddev	.00019	.00081	.0036	.00002	.00020	.00003	.00038	.0224	.00006	.0058	.00165
%RSD	.92646	.67513	.11036	.16592	.09477	.25062	1.8482	1.5315	.12519	.18016	18.016
#1	.02061	.12000	3.2749	.01427	.21567	.01056	.02091	1.4801	.04435	3.2282	.01031
#2	.02034	.12115	3.2698	.01431	.21596	.01052	.02037	1.4484	.04443	3.2200	.00798
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500	.10000		.01000				1.0000			
Range	30.000%	20.000%		30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06506**	W **.01215**	**.01265**	**.51927**	**.10503**	**.01128**	F **.00777**	**.00947**	**.01629**	W **.07481**	**.00914**
Stddev	.00904	.00016	.00318	.01853	.00022	.00020	.00108	.00010	.00035	.00412	.00082
%RSD	13.891	1.3450	25.109	3.5677	.20558	1.7375	13.864	1.1081	2.1318	5.5092	9.0097
#1	.07145	.01203	.01040	.53237	.10518	.01142	.00701	.00940	.01653	.07190	.00856
#2	.05867	.01226	.01490	.50617	.10488	.01115	.00853	.00954	.01604	.07773	.00972
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value		.01000					.01500			.06000	
Range		20.000%					-30.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **.02903**	**.01712**
Stddev	.00011	.00148
%RSD	.39078	8.6389
#1	.02911	.01817
#2	.02895	.01607
Check ?	Chk Fail	Chk Pass
Value	.02000	
Range	30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4449.2**	**62977.**	**4331.6**
Stddev	5.9	262.	30.5
%RSD	.13152	.41542	.70443
#1	4445.1	62792.	4310.0
#2	4453.4	63162.	4353.2

Sample Name: 280-27139-E-3-B MS Acquired: 4/2/2012 21:06:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05627**	**1.9838**	**1.1530**	**1.0762**	**2.0636**	**.05022**	**2.0688**	**456.88**	**.11396**	**.46119**
Stddev	.00118	.0103	.0127	.0021	.0006	.00025	.0007	3.65	.00004	.00017
%RSD	2.1042	.51732	1.1051	.19648	.02645	.49197	.03599	.79950	.03731	.03662
#1	.05544	1.9765	1.1440	1.0747	2.0632	.05004	2.0682	459.46	.11399	.46131
#2	.05711	1.9910	1.1620	1.0777	2.0640	.05039	2.0693	454.30	.11393	.46107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19507**	**.28779**	**1.7471**	**84.962**	**1.1923**	W **1674.7**	**.91066**	**.99890**	W **2537.7**	**.48396**
Stddev	.00002	.00016	.0051	.216	.0028	.9	.00012	.00084	3.6	.00083
%RSD	.00782	.05485	.29339	.25481	.23751	.05267	.01268	.08391	.14047	.17130
#1	.19506	.28768	1.7435	84.809	1.1903	1675.3	.91074	.99830	2535.2	.48338
#2	.19508	.28790	1.7507	85.115	1.1943	1674.0	.91058	.99949	2540.2	.48455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.017**	**.44791**	**2960.9**	**.55670**	**2.6358**	**15.067**	**1.7461**	W **19.266**	**.98255**	**.98478**
Stddev	.004	.00247	4.4	.00215	.0163	.029	.0025	.002	.00307	.00140
%RSD	.03394	.55077	.15008	.38531	.61926	.18929	.14544	.00866	.31214	.14241
#1	12.014	.44617	2957.8	.55822	2.6242	15.047	1.7443	19.267	.98038	.98577
#2	12.020	.44966	2964.0	.55519	2.6473	15.087	1.7479	19.265	.98472	.98379
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6396**	**2.0135**	**.50072**	**.48615**	**.50106**
Stddev	.0033	.0171	.00010	.00189	.00211
%RSD	.20019	.85118	.01990	.38942	.42044
#1	1.6372	2.0256	.50065	.48749	.50255
#2	1.6419	2.0014	.50079	.48481	.49957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3566.5**	**49675.**	**4093.0**
Stddev	6.7	106.	5.2
%RSD	.18897	.21253	.12708
#1	3571.3	49750.	4089.3
#2	3561.7	49600.	4096.6

Sample Name: 280-27139-E-3-C MSD Acquired: 4/2/2012 21:09:50 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05603**	**1.9872**	**1.1621**	**1.0785**	**2.0823**	**.05054**	**2.0804**	**454.97**	**.11432**	**.46179**
Stddev	.00011	.0093	.0046	.0032	.0026	.00019	.0116	2.51	.00071	.00131
%RSD	.19629	.46847	.39201	.29495	.12633	.37393	.55676	.55096	.62294	.28280
#1	.05611	1.9938	1.1653	1.0808	2.0842	.05068	2.0885	453.19	.11482	.46272
#2	.05595	1.9806	1.1589	1.0763	2.0804	.05041	2.0722	456.74	.11381	.46087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19549**	**.28972**	**1.7453**	**85.735**	**1.2019**	W **1656.3**	**.90748**	**1.0002**	W **2515.7**	**.48610**
Stddev	.00012	.00103	.0133	.074	.0026	3.2	.00100	.0030	1.9	.00136
%RSD	.06062	.35512	.76300	.08575	.21705	.19430	.10986	.30435	.07696	.27884
#1	.19557	.28899	1.7547	85.683	1.2037	1658.6	.90818	1.0023	2517.0	.48706
#2	.19540	.29044	1.7358	85.786	1.2000	1654.0	.90677	.99800	2514.3	.48514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.054**	**.44939**	**2925.2**	**.55871**	**2.6524**	**15.117**	**1.7435**	W **19.066**	**.98342**	**.98830**
Stddev	.032	.00148	6.8	.00345	.0056	.046	.0150	.043	.00467	.00107
%RSD	.26217	.32867	.23289	.61773	.21249	.30291	.85884	.22451	.47455	.10868
#1	12.076	.45044	2930.1	.56115	2.6564	15.085	1.7541	19.035	.98672	.98906
#2	12.031	.44835	2920.4	.55627	2.6484	15.149	1.7329	19.096	.98012	.98754
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6464**	**2.0069**	**.50286**	**.48386**	**.50649**
Stddev	.0067	.0300	.00155	.00089	.00129
%RSD	.41006	1.4921	.30750	.18315	.25385
#1	1.6512	1.9857	.50395	.48449	.50558
#2	1.6416	2.0281	.50177	.48324	.50740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3595.2**	**50181.**	**4113.3**
Stddev	4.4	31.	14.0
%RSD	.12275	.06240	.34041
#1	3592.1	50158.	4123.2
#2	3598.3	50203.	4103.4

Sample Name: 280-27139-E-4-A Acquired: 4/2/2012 21:13:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00200**	**.00691**	**-.00245**	**.10453**	**.01255**	**-.00012**	**-.00795**	**411.62**	**.00082**	**.00187**
Stddev	.00031	.00061	.00137	.00006	.00026	.00004	.00362	1.36	.00001	.00002
%RSD	15.563	8.8784	55.937	.05895	2.0412	29.729	45.481	.33085	.73620	1.3008
#1	-.00178	.00648	-.00148	.10449	.01273	-.00014	-.01051	410.65	.00082	.00189
#2	-.00222	.00734	-.00342	.10458	.01237	-.00009	-.00540	412.58	.00083	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00796**	**.85110**	**25.474**	**.05684**	W **1672.6**	**.44843**	**.00548**	W **2542.4**	**.00793**
Stddev	.00014	.00019	.00546	.129	.00305	7.1	.00027	.00010	3.3	.00024
%RSD	60.254	2.4471	.64143	.50444	5.3708	.42403	.06056	1.7331	.12956	2.9710
#1	.00034	.00809	.85496	25.383	.05900	1667.5	.44862	.00542	2544.8	.00777
#2	.00014	.00782	.84724	25.565	.05468	1677.6	.44824	.00555	2540.1	.00810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04439**	W **-.00419**	**2993.8**	**-.00133**	**.10089**	**4.4274**	**-.00165**	W **18.135**	W **-.01047**	W **-.01247**
Stddev	.00378	.00071	6.2	.00308	.00364	.0190	.00055	.008	.00040	.00004
%RSD	8.5232	17.070	.20633	230.95	3.6043	.42931	33.106	.04144	3.8071	.31365
#1	.04707	-.00469	2998.1	-.00351	.09832	4.4408	-.00126	18.129	-.01019	-.01244
#2	.04172	-.00368	2989.4	.00084	.10346	4.4140	-.00204	18.140	-.01075	-.01250
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn
High Limit		10.000						10.000	45.000	10.000
Low Limit		-.00300						-.01000	-.01000	-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00248**	**.04848**	**.00370**	**.00552**	**.00027**
Stddev	.00143	.00088	.00099	.00048	.00015
%RSD	57.535	1.8097	26.726	8.6817	55.575
#1	-.00349	.04786	.00439	.00518	.00037
#2	-.00147	.04910	.00300	.00585	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3606.9**	**50001.**	**4167.7**
Stddev	1.0	71.	16.4
%RSD	.02703	.14292	.39244
#1	3607.6	50051.	4156.1
#2	3606.2	49950.	4179.2

Sample Name: 280-27139-E-5-A Acquired: 4/2/2012 21:16:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**.00629**	**-.00135**	**.00027**	**.00086**	**.00007**	**-.00030**	**.03769**	**.00032**	**-.00042**
Stddev	.00042	.00014	.00053	.00089	.00040	.00004	.00244	.00236	.00006	.00020
%RSD	26.404	2.1543	38.837	326.07	46.912	50.789	813.26	6.2551	18.390	46.578
#1	-.00190	.00619	-.00172	-.00036	.00115	.00010	.00143	.03602	.00028	-.00056
#2	-.00130	.00638	-.00098	.00090	.00058	.00005	-.00203	.03936	.00036	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00289**	**.00603**	**.10122**	**.00284**	**.01441**	**.00092**	**-.00022**	**1.3834**	**-.00053**
Stddev	.00016	.00017	.00087	.04734	.00158	.00021	.00004	.00030	.0376	.00018
%RSD	109.55	6.0503	14.456	46.770	55.589	1.4746	4.8530	134.04	2.7156	34.283
#1	-.00003	.00301	.00542	.13469	.00172	.01456	.00089	-.00001	1.4099	-.00066
#2	-.00026	.00277	.00665	.06774	.00396	.01426	.00095	-.00043	1.3568	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.00146**	**.18230**	**-.00014**	W **-.00510**	**.00821**	**-.00068**	**.00105**	**-.00874**	**-.00018**
Stddev	.00048	.00260	.00149	.00384	.00461	.01436	.00005	.00012	.00195	.00026
%RSD	32.276	177.98	.81557	2702.2	90.386	174.84	6.9897	11.766	22.314	143.60
#1	.00115	.00329	.18335	.00257	-.00184	-.00194	-.00071	.00113	-.01011	.00000
#2	.00183	-.00038	.18124	-.00285	-.00836	.01837	-.00064	.00096	-.00736	-.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00182**	**-.00062**	**.00471**	**-.00046**
Stddev	.00064	.02496	.00024	.00001	.00029
%RSD	218.28	1372.8	38.337	.22332	63.414
#1	.00016	.01947	-.00045	.00472	-.00025
#2	-.00074	-.01583	-.00078	.00470	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4438.9**	**63407.**	**4354.3**
Stddev	4.7	119.	1.0
%RSD	.10576	.18728	.02273
#1	4435.6	63491.	4355.0
#2	4442.3	63323.	4353.6

Sample Name: 280-27130-A-1-A Acquired: 4/2/2012 21:19:30 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00177**	**.03735**	**-.00061**	**.00136**	**.01791**	**.00002**	**-.00576**	**8.1167**	**.00027**	**-.00019**
Stddev	.00030	.00111	.00147	.00021	.00023	.00001	.00081	.0254	.00016	.00004
%RSD	16.749	2.9768	242.28	15.133	1.2610	42.232	13.969	.31256	58.403	23.183
#1	-.00156	.03657	-.00165	.00122	.01775	.00003	-.00633	8.0988	.00038	-.00016
#2	-.00198	.03814	.00043	.00151	.01807	.00002	-.00519	8.1347	.00016	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.02818**	**.04527**	**.54524**	**.00381**	**1.2944**	**.00409**	**.00091**	**7.8033**	**.00046**
Stddev	.00002	.00009	.00221	.01792	.00108	.0035	.00002	.00039	.0167	.00020
%RSD	2.9341	.30718	4.8930	3.2857	28.387	.26982	.60195	42.789	.21359	42.765
#1	.00077	.02812	.04683	.53258	.00305	1.2969	.00408	.00118	7.7915	.00060
#2	.00073	.02825	.04370	.55791	.00458	1.2919	.00411	.00063	7.8150	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**-.00058**	**5.7673**	**-.00012**	**-.00274**	**2.1082**	**.00010**	**.08651**	**-.00764**	**.00002**
Stddev	.00056	.00087	.0102	.00031	.00431	.0389	.00009	.00073	.00069	.00014
%RSD	66.217	150.32	.17688	263.70	157.42	1.8473	96.839	.84397	8.9870	761.79
#1	-.00124	-.00119	5.7745	-.00034	-.00579	2.0806	.00016	.08599	-.00813	-.00008
#2	-.00045	.00004	5.7601	.00010	.00031	2.1357	.00003	.08703	-.00716	.00012
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.01627**	**-.00078**	**.00647**	**-.00032**
Stddev	.00088	.00612	.00017	.00006	.00161
%RSD	113.46	37.634	21.729	.97772	501.98
#1	-.00015	.01194	-.00090	.00652	-.00146
#2	-.00140	.02060	-.00066	.00643	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4429.4**	**63421.**	**4394.2**
Stddev	10.6	76.	7.8
%RSD	.23943	.11995	.17641
#1	4421.9	63368.	4399.7
#2	4436.9	63475.	4388.8

Sample Name: CCVH-1338467 Acquired: 4/2/2012 21:22:04 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**49.917**	**.00138**	**.00048**	**-.00059**	**.00004**	**1.0036**	**.01321**	**-.00160**	**.00189**	**.00144**	**.01133**	**51.445**
Stddev	.00023	.044	.00067	.00072	.00018	.00001	.0043	.00673	.00008	.00006	.00006	.00053	.037
%RSD	22.884	.08769	48.435	149.84	29.736	24.726	.42689	50.967	4.9051	3.3218	3.8578	4.7079	.07104
#1	.00115	49.948	.00185	-.00003	-.00072	.00003	1.0067	.00845	-.00165	.00193	.00140	.01170	51.419
#2	.00083	49.887	.00091	.00098	-.00047	.00004	1.0006	.01798	-.00154	.00184	.00148	.01095	51.470
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04382**	**.00236**	**-.05258**	**-.00009**	**-.00132**	**261.35**	**.00243**	**.00620**	**.00123**	**5.5930**	**-.00708**	**-.00939**	**-.00219**
Stddev	.00889	.00051	.00094	.00003	.00007	.29	.00024	.00064	.00103	.0068	.00025	.00343	.00756
%RSD	20.283	21.758	1.7939	30.406	4.9859	.10976	9.9912	10.381	84.161	.12216	3.5144	36.566	344.66
#1	.05010	.00200	-.05192	-.00007	-.00137	261.15	.00260	.00665	.00050	5.5978	-.00725	-.01182	-.00754
#2	.03753	.00273	-.05325	-.00011	-.00128	261.56	.00225	.00574	.00195	5.5881	-.00690	-.00696	.00315
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**.00039**	**4.8419**	**.00132**	**.00203**	**10.084**	**.00771**	**.00388**	**-.00925**
Stddev	.00117	.00016	.0286	.00003	.00069	.071	.00046	.00008	.00429
%RSD	35.617	40.774	.59166	2.4754	34.247	.70592	5.9512	2.1315	46.327
#1	.00245	.00050	4.8216	.00134	.00154	10.034	.00738	.00382	-.01229
#2	.00410	.00028	4.8622	.00130	.00252	10.135	.00803	.00393	-.00622
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4354.9**	**60726.**	**4307.4**
Stddev	7.3	163.	9.6
%RSD	.16679	.26905	.22386
#1	4349.7	60841.	4300.6
#2	4360.0	60610.	4314.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 21:24:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49831**	F **.58564**	**1.0744**	**.53398**	**.50905**	**.51904**	**-.00069**	**5.1360**	**.52701**	**.51128**	**.50162**	**.54092**
Stddev	.00033	.00230	.0032	.00031	.00122	.00009	.00159	.0074	.00058	.00002	.00087	.00078
%RSD	.06680	.39238	.29480	.05724	.24035	.01823	230.29	.14322	.11017	.00418	.17253	.14366
#1	.49808	.58401	1.0721	.53420	.50819	.51897	.00043	5.1412	.52742	.51126	.50101	.54037
#2	.49855	.58726	1.0766	.53376	.50992	.51911	-.00182	5.1308	.52659	.51129	.50223	.54147
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5721**	**54.603**	**1.0697**	**21.432**	**.51284**	**.51170**	F **5.8561**	**.53405**	**1.0800**	**1.0536**	**.07372**	**1.0813**
Stddev	.0089	.004	.0024	.041	.00099	.00001	.0266	.00028	.0003	.0027	.00015	.0039
%RSD	.34668	.00681	.22628	.19119	.19344	.00286	.45411	.05174	.03078	.26093	.20030	.36033
#1	2.5784	54.600	1.0680	21.403	.51214	.51169	5.8749	.53424	1.0803	1.0517	.07361	1.0841
#2	2.5658	54.605	1.0714	21.461	.51355	.51171	5.8373	.53385	1.0798	1.0555	.07382	1.0786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1146**	**5.2189**	**.97202**	**.54013**	**-.00473**	**.48964**	**1.0755**	**.01053**	**.47948**	**.51096**	**.50977**
Stddev	.0025	.0019	.00177	.00011	.00005	.00009	.0014	.02620	.00098	.00164	.00416
%RSD	.22326	.03724	.18228	.02019	1.0446	.01867	.12742	248.75	.20417	.32091	.81684
#1	1.1128	5.2203	.97077	.54005	-.00476	.48971	1.0764	.02906	.47878	.50980	.50683
#2	1.1164	5.2175	.97327	.54021	-.00469	.48958	1.0745	-.00799	.48017	.51212	.51272
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000										
Range	10.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4436.0**	**62402.**	**4354.2**
Stddev	3.4	107.	9.8
%RSD	.07755	.17066	.22611
#1	4438.4	62477.	4361.2
#2	4433.6	62326.	4347.3

Sample Name: CCB Acquired: 4/2/2012 21:26:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00112**	**-.00149**	**-.00068**	**-.00043**	W **-.00080**	**.00010**	**-.00295**	**.00212**	**.00013**	**-.00025**
Stddev	.00013	.00043	.00193	.00008	.00001	.00002	.00049	.00108	.00021	.00013
%RSD	11.171	28.702	282.22	18.196	1.1790	14.966	16.592	50.891	158.45	53.186
#1	-.00103	-.00179	.00068	-.00037	-.00080	.00011	-.00260	.00136	.00028	-.00015
#2	-.00121	-.00119	-.00205	-.00048	-.00079	.00009	-.00330	.00289	-.00002	-.00034
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	F **.00277**	**-.00113**	**.03303**	**.00186**	W **-.01748**	F **-.00053**	**.00047**	F **.68291**	**.00016**
Stddev	.00011	.00004	.00258	.07227	.00150	.00063	.00002	.00006	.00305	.00046
%RSD	121.02	1.5956	228.49	218.79	80.830	3.5853	3.5397	12.845	.44729	288.93
#1	.00017	.00280	-.00296	-.01807	.00080	-.01793	-.00055	.00052	.68507	-.00017
#2	.00001	.00274	.00070	.08414	.00292	-.01704	-.00052	.00043	.68075	.00049
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272				.01070	.00051		.10000	
Low Limit		-.00272				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00051**	**.06477**	W **.00413**	**-.00408**	**-.00849**	**.00018**	**.00016**	**-.00692**	**-.00037**
Stddev	.00159	.00029	.00359	.00021	.00112	.00101	.00137	.00002	.00010	.00008
%RSD	365.23	57.351	5.5363	5.0786	27.524	11.835	752.17	10.580	1.4757	21.871
#1	.00156	.00030	.06731	.00428	-.00329	-.00920	-.00079	.00015	-.00685	-.00031
#2	-.00069	.00072	.06223	.00398	-.00488	-.00778	.00115	.00017	-.00700	-.00043
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00359**	**-.00078**	**.00178**	**-.00049**
Stddev	.00109	.01445	.00033	.00069	.00153
%RSD	176.85	402.00	42.102	38.720	314.07
#1	-.00015	.00662	-.00101	.00226	-.00157
#2	.00139	-.01381	-.00055	.00129	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4424.3**	**62741.**	**4330.3**
Stddev	2.5	79.	9.0
%RSD	.05726	.12571	.20845
#1	4426.1	62686.	4324.0
#2	4422.5	62797.	4336.7

Sample Name: CCVL1341782 Acquired: 4/2/2012 21:29:32 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00868**	W **.12028**	**.01543**	**.10416**	**.00933**	**.00102**	**.10911**	**.21817**	**.00544**	**.01024**	**.00996**
Stddev	.00059	.00106	.00325	.00033	.00003	.00003	.00092	.00231	.00005	.00011	.00006
%RSD	6.7645	.88083	21.079	.31649	.37397	3.3864	.83901	1.0571	.98610	1.0840	.58433
#1	.00827	.11953	.01313	.10439	.00930	.00100	.10975	.21980	.00547	.01032	.01000
#2	.00910	.12103	.01773	.10392	.00935	.00105	.10846	.21654	.00540	.01016	.00992
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.10000									
Range		20.000%									

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01939**	**.10427**	**3.2343**	F **.01417**	**.19636**	**.01014**	**.02032**	F **1.6401**	**.04362**	**3.1437**	**.00899**
Stddev	.00030	.00003	.0058	.00154	.00303	.00001	.00011	.0027	.00023	.0078	.00119
%RSD	1.5312	.03325	.17867	10.878	1.5409	.07802	.52732	.16758	.52453	.24675	13.228
#1	.01960	.10425	3.2384	.01526	.19422	.01014	.02024	1.6382	.04345	3.1382	.00983
#2	.01918	.10430	3.2302	.01308	.19850	.01013	.02039	1.6421	.04378	3.1492	.00815
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000				1.0000			
Range	20.000%			30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05794**	**.01127**	**.01304**	**.51928**	**.09967**	**.01087**	F **.00756**	**.00928**	**.01519**	F **.03968**	**.00924**
Stddev	.00157	.00166	.00011	.00415	.00001	.00015	.00047	.00006	.00067	.02083	.00026
%RSD	2.7078	14.683	.85492	.79847	.00808	1.3488	6.2278	.63783	4.4185	52.502	2.8230
#1	.05683	.01010	.01296	.51634	.09967	.01076	.00723	.00924	.01472	.05441	.00942
#2	.05905	.01244	.01312	.52221	.09968	.01097	.00790	.00932	.01567	.02495	.00905
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.01500			.06000	
Range							-30.000%			-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02321**	W **.01831**
Stddev	.00043	.00037
%RSD	1.8694	1.9977
#1	.02352	.01805
#2	.02290	.01857
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4488.1**	**63609.**	**4372.5**
Stddev	4.5	237.	28.0
%RSD	.09932	.37288	.64074
#1	4485.0	63442.	4392.3
#2	4491.3	63777.	4352.7

Sample Name: LB 280-113582/1-C Acquired: 4/2/2012 21:32:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.00049**	**-.00059**	F **.04562**	**.00327**	**.00000**	**-.00314**	F **.26670**	**.00034**	**.00012**
Stddev	.00006	.00015	.00242	.00027	.00006	.00010	.00124	.00213	.00020	.00004
%RSD	4.1526	29.979	406.79	.58556	1.7578	3909.2	39.303	.79757	58.131	31.967
#1	-.00147	.00039	-.00230	.04581	.00331	-.00007	-.00227	.26821	.00048	.00014
#2	-.00139	.00060	.00111	.04543	.00322	.00007	-.00402	.26520	.00020	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				.01000				.20000		
Low Limit				-.01000				-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00423**	**.00029**	**.04238**	**.00257**	**.02170**	**-.00041**	**-.00016**	**282.92**	**-.00004**
Stddev	.00007	.00008	.00047	.00708	.00180	.00028	.00006	.00042	.49	.00002
%RSD	30.740	1.8597	164.26	16.696	70.031	1.2798	14.090	260.56	.17185	38.816
#1	.00029	.00428	-.00005	.03738	.00130	.02189	-.00037	-.00045	282.58	-.00003
#2	.00018	.00417	.00062	.04739	.00384	.02150	-.00046	.00013	283.27	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**-.00059**	**.05719**	**-.00276**	**-.00045**	**.00491**	**-.00001**	**.00055**	W **-.00763**	**-.00047**
Stddev	.00156	.00110	.00264	.00073	.00280	.00306	.00007	.00012	.00025	.00003
%RSD	148.89	186.38	4.6095	26.433	623.96	62.281	670.80	21.116	3.2448	5.3329
#1	.00215	-.00137	.05905	-.00225	-.00243	.00275	.00004	.00063	-.00746	-.00045
#2	-.00006	.00019	.05532	-.00328	.00153	.00708	-.00006	.00047	-.00781	-.00049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00500	
Low Limit									-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00163**	**.00332**	**-.00029**	W **.00994**	**-.00037**
Stddev	.00218	.02891	.00054	.00007	.00064
%RSD	134.15	869.78	189.04	.75223	172.04
#1	-.00008	.02377	.00010	.00989	.00008
#2	-.00317	-.01712	-.00067	.00999	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				.00500	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4255.7**	**59736.**	**4373.8**
Stddev	10.4	22.	9.3
%RSD	.24336	.03664	.21257
#1	4248.4	59721.	4367.2
#2	4263.0	59752.	4380.4

Sample Name: LCS 280-113582/2-C Acquired: 4/2/2012 21:34:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19880**	**.42172**	**.83774**	F **.24162**	**2.3681**	**.00986**	**.37999**	**9.7371**	**.22824**	**.09444**
Stddev	.00072	.00185	.00008	.00124	.0046	.00007	.00184	.0076	.00016	.00014
%RSD	.36439	.43790	.00949	.51394	.19336	.72400	.48443	.07855	.06907	.14843
#1	.19931	.42042	.83779	.24074	2.3649	.00991	.37868	9.7317	.22812	.09454
#2	.19829	.42303	.83768	.24250	2.3714	.00981	.38129	9.7425	.22835	.09434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.24000						
Low Limit				.16000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0138**	**.47707**	**.20486**	**10.513**	**.20295**	**9.5508**	**.09764**	**.19485**	F **306.36**	**.10042**
Stddev	.0016	.00009	.00459	.028	.00218	.0103	.00004	.00024	.40	.00031
%RSD	.16010	.01973	2.2412	.26346	1.0751	.10810	.04151	.12510	.13217	.30517
#1	1.0126	.47700	.20161	10.532	.20141	9.5581	.09767	.19502	306.07	.10020
#2	1.0149	.47714	.20810	10.493	.20450	9.5435	.09761	.19468	306.65	.10063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									12.000	
Low Limit									8.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0687**	**1.0895**	**.05429**	**.10206**	**.63292**	F **1.9633**	**.36298**	**.20583**	**.17614**	**.18763**
Stddev	.0010	.0011	.00048	.00049	.00258	.0089	.00279	.00043	.00024	.00021
%RSD	.04740	.10022	.89103	.47560	.40750	.45541	.76932	.20762	.13722	.11294
#1	2.0694	1.0887	.05395	.10240	.63474	1.9569	.36100	.20553	.17631	.18748
#2	2.0680	1.0903	.05464	.10172	.63109	1.9696	.36495	.20613	.17596	.18778
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.48000				
Low Limit						.32000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.36907**	**.38202**	**.09300**	**.51113**	**.09531**
Stddev	.00143	.00287	.00026	.00019	.00064
%RSD	.38652	.75146	.27459	.03658	.66648
#1	.36806	.37999	.09282	.51100	.09486
#2	.37008	.38405	.09318	.51127	.09576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4257.2**	**59566.**	**4386.6**
Stddev	11.0	138.	3.0
%RSD	.25907	.23125	.06797
#1	4265.0	59469.	4384.5
#2	4249.4	59664.	4388.7

Sample Name: 280-27082-A-1-D Acquired: 4/2/2012 21:37:10 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**.20021**	**-.00004**	**.02853**	**.07132**	**.00008**	**-.00281**	**24.810**	**.00058**	**.00185**
Stddev	.00043	.00089	.00314	.00021	.00056	.00005	.00030	.038	.00008	.00017
%RSD	22.275	.44678	7074.9	.73424	.79146	58.878	10.657	.15279	13.664	9.1970
#1	-.00225	.20084	-.00226	.02867	.07172	.00005	-.00260	24.783	.00052	.00197
#2	-.00163	.19958	.00217	.02838	.07092	.00011	-.00303	24.836	.00063	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.01079**	**.08960**	**1.8059**	**.00323**	**5.6287**	**.32611**	**.00000**	W **541.26**	**.00275**
Stddev	.00022	.00049	.00354	.0936	.00225	.0066	.00002	.0001	.13	.00009
%RSD	19.096	4.5207	3.9533	5.1841	69.711	.11767	.00714	4697.4	.02460	3.2966
#1	.00129	.01045	.08710	1.7397	.00164	5.6334	.32613	.00010	541.35	.00269
#2	.00099	.01114	.09211	1.8721	.00482	5.6240	.32610	-.00011	541.16	.00281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03263**	**.00246**	**.26264**	**-.00076**	**-.00109**	**1.6300**	**.00063**	**.04855**	**-.00856**	**.00684**
Stddev	.00134	.00131	.00090	.00098	.00230	.0017	.00108	.00024	.00165	.00024
%RSD	4.1113	53.442	.34206	129.11	210.93	.10255	170.73	.49639	19.334	3.5519
#1	.03168	.00339	.26327	-.00007	.00054	1.6288	.00140	.04873	-.00973	.00667
#2	.03358	.00153	.26200	-.00146	-.00272	1.6311	-.00013	.04838	-.00739	.00701
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**.01143**	**-.00005**	**.02857**	**-.00149**
Stddev	.00110	.02095	.00006	.00048	.00122
%RSD	94.805	183.30	106.95	1.6854	82.120
#1	-.00195	.02624	-.00009	.02823	-.00235
#2	-.00038	-.00338	-.00001	.02891	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4201.6**	**58162.**	**4382.0**
Stddev	2.9	101.	2.2
%RSD	.06923	.17370	.04909
#1	4199.6	58233.	4380.5
#2	4203.7	58090.	4383.6

Sample Name: sd 280-27082-A-1-D@5 Acquired: 4/2/2012 21:40:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.04030**	**.00269**	**.00451**	**.01312**	**.00006**	**-.00127**	**4.9818**	**.00008**	**.00035**
Stddev	.00006	.00053	.00137	.00012	.00052	.00005	.00327	.0131	.00003	.00006
%RSD	4.9144	1.3100	50.718	2.7317	3.9489	76.785	258.22	.26371	39.917	18.027
#1	-.00128	.03993	.00366	.00460	.01275	.00003	.00105	4.9725	.00010	.00039
#2	-.00120	.04068	.00173	.00443	.01349	.00010	-.00358	4.9911	.00006	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00438**	**.02707**	**.27505**	**.00184**	**1.1507**	**.06491**	**-.00008**	**109.47**	**.00077**
Stddev	.00029	.00022	.00004	.01628	.00073	.0045	.00001	.00008	.30	.00015
%RSD	46.888	4.9520	.16044	5.9178	39.896	.39334	.01377	101.04	.27498	19.265
#1	.00042	.00454	.02704	.26354	.00235	1.1475	.06491	-.00014	109.25	.00088
#2	.00084	.00423	.02711	.28656	.00132	1.1539	.06492	-.00002	109.68	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00737**	**.00041**	**.07689**	**-.00126**	**-.00140**	**.31108**	**-.00058**	**.00974**	**-.00705**	**.00057**
Stddev	.00127	.00121	.00242	.00034	.00300	.02396	.00021	.00017	.00089	.00003
%RSD	17.182	292.14	3.1488	27.179	214.24	7.7030	36.386	1.6943	12.565	5.9012
#1	.00648	-.00044	.07860	-.00150	.00072	.32802	-.00073	.00963	-.00767	.00059
#2	.00827	.00127	.07518	-.00102	-.00353	.29413	-.00043	.00986	-.00642	.00054
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**-.00837**	**-.00013**	**.00800**	**-.00057**
Stddev	.00021	.01467	.00007	.00070	.00018
%RSD	26.114	175.24	57.824	8.8103	31.901
#1	-.00096	.00200	-.00018	.00750	-.00070
#2	-.00066	-.01875	-.00008	.00849	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4376.4**	**61601.**	**4406.4**
Stddev	8.4	14.	12.4
%RSD	.19141	.02348	.28079
#1	4382.3	61590.	4415.2
#2	4370.4	61611.	4397.7

Sample Name: 280-27082-A-1-E MS Acquired: 4/2/2012 21:43:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.19522**	**.61632**	**.81559**	**.21158**	**2.3170**	**.00943**	**.36187**	**33.578**	**.21994**	**.09122**
Stddev	.00002	.00147	.00199	.00012	.0012	.00005	.00105	.000	.00042	.00004
%RSD	.01014	.23811	.24353	.05483	.05277	.55492	.29005	.00009	.19235	.04611
#1	.19521	.61529	.81699	.21149	2.3178	.00947	.36261	33.578	.22024	.09125
#2	.19523	.61736	.81418	.21166	2.3161	.00940	.36113	33.578	.21964	.09119
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96705**	**.46230**	**.27273**	**11.926**	**.19560**	**14.666**	**.41689**	**.18728**	W **545.31**	**.09717**
Stddev	.00023	.00059	.00025	.057	.00163	.012	.00048	.00019	.55	.00007
%RSD	.02373	.12868	.09158	.47877	.83540	.08087	.11444	.10303	.10012	.07060
#1	.96721	.46188	.27255	11.966	.19675	14.657	.41656	.18741	545.70	.09722
#2	.96689	.46272	.27290	11.886	.19444	14.674	.41723	.18714	544.93	.09712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0616**	**1.0270**	**.24651**	**.09503**	**.61431**	**3.5072**	**.34491**	**.24222**	**.16948**	**.18223**
Stddev	.0056	.0059	.00711	.00298	.00083	.0023	.00121	.00045	.00064	.00055
%RSD	.27002	.57660	2.8849	3.1313	.13506	.06599	.34954	.18406	.37879	.29919
#1	2.0656	1.0311	.25154	.09714	.61490	3.5056	.34576	.24254	.16903	.18184
#2	2.0577	1.0228	.24148	.09293	.61372	3.5089	.34406	.24191	.16994	.18261
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.34235**	**.36781**	**.09047**	**.51265**	**.09067**
Stddev	.00176	.00873	.00080	.00042	.00165
%RSD	.51524	2.3731	.88162	.08111	1.8167
#1	.34111	.36164	.08990	.51235	.09184
#2	.34360	.37398	.09103	.51294	.08951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4189.1**	**58176.**	**4378.8**
Stddev	4.1	83.	6.4
%RSD	.09755	.14330	.14689
#1	4192.0	58235.	4383.4
#2	4186.2	58117.	4374.3

Sample Name: 280-27082-A-1-F MSD Acquired: 4/2/2012 21:46:16 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.19571**	**.62316**	**.81823**	**.21352**	**2.3386**	**.00965**	**.36497**	**33.918**	**.22202**	**.09206**
Stddev	.00028	.00310	.00522	.00045	.0041	.00004	.00457	.051	.00008	.00025
%RSD	.14224	.49797	.63805	.21283	.17440	.40919	1.2525	.15106	.03467	.26706
#1	.19551	.62097	.81454	.21320	2.3415	.00968	.36174	33.954	.22208	.09189
#2	.19591	.62535	.82193	.21384	2.3358	.00962	.36820	33.882	.22197	.09224
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97427**	**.46696**	**.37776**	**12.035**	**.19471**	**14.759**	**.42047**	**.18884**	W **551.72**	**.09755**
Stddev	.00194	.00103	.00215	.004	.00152	.037	.00051	.00016	.33	.00073
%RSD	.19904	.21983	.57012	.03196	.77847	.24974	.12197	.08226	.06006	.74346
#1	.97290	.46623	.37928	12.032	.19363	14.733	.42011	.18873	551.95	.09807
#2	.97564	.46769	.37623	12.037	.19578	14.785	.42083	.18895	551.48	.09704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0826**	**1.0354**	**.24257**	**.09606**	**.61705**	**3.5334**	**.34597**	**.24495**	**.17132**	**.18335**
Stddev	.0012	.0052	.00153	.00288	.00446	.0207	.00078	.00028	.00287	.00051
%RSD	.05758	.50122	.63066	2.9983	.72199	.58648	.22656	.11475	1.6731	.27955
#1	2.0818	1.0317	.24365	.09403	.61390	3.5481	.34542	.24515	.17335	.18299
#2	2.0835	1.0390	.24148	.09810	.62020	3.5188	.34653	.24475	.16929	.18371
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.34393**	**.37995**	**.09118**	**.52135**	**.09079**
Stddev	.00050	.00806	.00055	.00120	.00155
%RSD	.14577	2.1221	.60670	.23078	1.7065
#1	.34357	.37425	.09157	.52050	.08970
#2	.34428	.38565	.09079	.52220	.09189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4175.6**	**57965.**	**4348.1**
Stddev	9.4	27.	7.2
%RSD	.22512	.04674	.16510
#1	4182.3	57984.	4353.2
#2	4169.0	57946.	4343.1

Sample Name: pds 280-27082-A-1-D Acquired: 4/2/2012 21:49:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05104**	**1.3010**	**.22125**	**.13186**	**.17429**	**.05370**	**-.00625**	**45.218**	**.05499**	**.05243**
Stddev	.00017	.0013	.00320	.00114	.00039	.00014	.00227	.180	.00010	.00037
%RSD	.33119	.09989	1.4468	.86723	.22504	.26076	36.331	.39783	.18490	.70744
#1	.05092	1.3019	.22351	.13267	.17401	.05361	-.00464	45.091	.05506	.05269
#2	.05116	1.3001	.21899	.13105	.17456	.05380	-.00786	45.345	.05492	.05216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05201**	**.06640**	**1.1269**	**24.799**	**.11310**	**26.043**	**.37620**	**.05219**	W **559.65**	**.05531**
Stddev	.00001	.00095	.0098	.053	.00094	.003	.00005	.00024	2.97	.00012
%RSD	.02105	1.4243	.86761	.21320	.83139	.01223	.01380	.46572	.53059	.20910
#1	.05200	.06707	1.1200	24.762	.11377	26.041	.37623	.05236	557.55	.05522
#2	.05202	.06574	1.1338	24.837	.11244	26.045	.37616	.05202	561.75	.05539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3222**	**.10185**	**.24464**	**.10990**	**.22314**	**6.8497**	**.09725**	**.10518**	**.19349**	**.05795**
Stddev	.0050	.00211	.00241	.00105	.00191	.0558	.00079	.00044	.00107	.00053
%RSD	.21506	2.0720	.98657	.95087	.85727	.81537	.80922	.41629	.55177	.91384
#1	2.3257	.10334	.24635	.10916	.22449	6.8102	.09670	.10487	.19424	.05757
#2	2.3186	.10035	.24293	.11064	.22179	6.8892	.09781	.10549	.19273	.05832
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19328**	**.51901**	**.05127**	**.24327**	**.05217**
Stddev	.00269	.01320	.00030	.00059	.00115
%RSD	1.3935	2.5439	.59288	.24252	2.1991
#1	.19519	.50967	.05105	.24368	.05298
#2	.19138	.52834	.05148	.24285	.05135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4224.3**	**58366.**	**4376.2**
Stddev	8.8	185.	9.0
%RSD	.20780	.31735	.20615
#1	4218.1	58497.	4382.5
#2	4230.5	58235.	4369.8

Sample Name: 280-27092-A-1-F Acquired: 4/2/2012 21:52:44 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.14331**	**.00664**	**.02911**	**.10155**	**.00010**	**-.00390**	**17.487**	**.00059**	**.00653**
Stddev	.00012	.00266	.00047	.00059	.00025	.00007	.00401	.004	.00008	.00009
%RSD	13.432	1.8558	7.0086	2.0169	.25028	72.129	102.81	.02237	13.817	1.4111
#1	-.00101	.14519	.00631	.02952	.10173	.00005	-.00107	17.484	.00054	.00660
#2	-.00083	.14143	.00697	.02869	.10137	.00015	-.00674	17.490	.00065	.00646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00666**	**.23117**	**1.5511**	**.00383**	**2.2280**	**1.3068**	**.00086**	**321.66**	**.00465**
Stddev	.00001	.00028	.00015	.0090	.00239	.0060	.0006	.00012	.85	.00019
%RSD	1.6882	4.2272	.06370	.58054	62.394	.26907	.04651	13.773	.26275	4.0079
#1	.00062	.00646	.23107	1.5575	.00214	2.2238	1.3064	.00094	322.26	.00451
#2	.00061	.00686	.23128	1.5447	.00553	2.2322	1.3072	.00077	321.06	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12699**	**.00297**	**.11905**	**-.00389**	**-.00021**	**1.5940**	**.00017**	**.14385**	**-.00706**	**.00237**
Stddev	.00236	.00084	.00020	.00063	.00132	.0049	.00033	.00005	.00011	.00006
%RSD	1.8554	28.467	.17156	16.132	644.64	.30415	189.01	.03280	1.4913	2.5190
#1	.12865	.00356	.11919	-.00433	.00073	1.5906	-.00006	.14388	-.00714	.00233
#2	.12532	.00237	.11890	-.00345	-.00114	1.5974	.00041	.14381	-.00699	.00241
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00099**	**-.01967**	**-.00055**	**.03483**	**-.00052**
Stddev	.00036	.02100	.00031	.00058	.00082
%RSD	36.795	106.73	55.866	1.6583	157.33
#1	-.00073	-.00483	-.00033	.03524	.00006
#2	-.00124	-.03452	-.00077	.03442	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4275.1**	**59408.**	**4339.9**
Stddev	16.5	15.	8.3
%RSD	.38536	.02503	.19042
#1	4263.5	59418.	4334.0
#2	4286.8	59397.	4345.7

Sample Name: CCVH-1338467 Acquired: 4/2/2012 21:55:23 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**49.567**	**-.00044**	**-.00010**	**-.00072**	**.00001**	**.99713**	**.00945**	**-.00166**	**.00199**	**.00062**	**.00749**	**50.458**
Stddev	.00025	.101	.00166	.00048	.00013	.00006	.00182	.00158	.00009	.00011	.00017	.00013	.083
%RSD	31.238	.20391	381.86	460.87	17.522	624.00	.18285	16.677	5.6942	5.4288	27.286	1.7567	.16462
#1	.00064	49.638	.00074	-.00044	-.00081	.00005	.99584	.01057	-.00173	.00206	.00074	.00740	50.516
#2	.00100	49.495	-.00161	.00023	-.00063	-.00003	.99842	.00834	-.00159	.00191	.00050	.00759	50.399
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06300**	**.00137**	**-.05279**	**-.00091**	**-.00141**	**261.53**	**.00185**	**.00765**	**.00188**	**5.4626**	**-.00463**	**-.00509**	**.00213**
Stddev	.01902	.00208	.00302	.00000	.00025	.77	.00019	.00286	.00125	.0095	.00223	.00225	.00303
%RSD	30.187	151.15	5.7276	.16586	18.031	.29300	10.023	37.363	66.703	.17297	48.190	44.278	142.24
#1	-.04956	-.00009	-.05493	-.00091	-.00159	262.07	.00198	.00967	.00277	5.4559	-.00305	-.00350	-.00001
#2	-.07645	.00284	-.05065	-.00091	-.00123	260.99	.00172	.00563	.00099	5.4693	-.00621	-.00669	.00428
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**.00038**	**4.8159**	**.00142**	**.00103**	**10.116**	**.00757**	**.00199**	**-.00668**
Stddev	.00026	.00011	.0025	.00014	.00013	.007	.00027	.00020	.00276
%RSD	10.106	30.149	.05129	9.7282	12.550	.07199	3.5621	10.190	41.317
#1	.00238	.00046	4.8142	.00152	.00112	10.110	.00738	.00185	-.00473
#2	.00275	.00030	4.8177	.00132	.00094	10.121	.00776	.00213	-.00863
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4394.2**	**60844.**	**4353.1**
Stddev	14.8	32.	4.6
%RSD	.33661	.05183	.10521
#1	4404.7	60822.	4356.3
#2	4383.8	60867.	4349.8

Sample Name: CCV-1338469 Acquired: 4/2/2012 21:57:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49235**	F **.57751**	**1.0640**	**.52790**	**.50400**	**.51491**	**.00088**	**5.0580**	**.52223**	**.50489**	**.49668**	**.53675**
Stddev	.00048	.00022	.0012	.00101	.00092	.00064	.00025	.0179	.00032	.00020	.00018	.00174
%RSD	.09755	.03761	.11125	.19217	.18181	.12352	28.959	.35378	.06221	.03911	.03693	.32383
#1	.49201	.57766	1.0649	.52718	.50464	.51536	.00070	5.0706	.52246	.50503	.49681	.53552
#2	.49269	.57735	1.0632	.52861	.50335	.51446	.00106	5.0453	.52200	.50475	.49655	.53798
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5316**	**54.003**	**1.0567**	**21.269**	**.50951**	**.50681**	F **5.6066**	**.52828**	**1.0682**	**1.0426**	**.02009**	**1.0720**
Stddev	.0005	.118	.0021	.007	.00080	.00027	.0055	.00055	.0043	.0001	.00269	.0054
%RSD	.01962	.21910	.19616	.03366	.15693	.05410	.09774	.10400	.40037	.01037	13.411	.50543
#1	2.5312	54.087	1.0582	21.264	.51007	.50661	5.6105	.52867	1.0712	1.0426	.02200	1.0759
#2	2.5319	53.919	1.0552	21.274	.50894	.50700	5.6028	.52789	1.0651	1.0425	.01819	1.0682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0958**	**5.1315**	**.96340**	**.53592**	**-.00870**	**.48156**	**1.0611**	**.00508**	**.47387**	**.50509**	**.50381**
Stddev	.0069	.0056	.00229	.00030	.00002	.00078	.0030	.00887	.00251	.00207	.00043
%RSD	.63249	.11018	.23761	.05647	.28594	.16146	.28683	174.66	.52897	.40948	.08554
#1	1.1007	5.1275	.96502	.53613	-.00868	.48211	1.0633	-.00119	.47564	.50363	.50351
#2	1.0909	5.1355	.96178	.53570	-.00872	.48101	1.0590	.01135	.47210	.50656	.50412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4443.3**	**62424.**	**4356.4**
Stddev	4.3	19.	.0
%RSD	.09568	.02983	.00067
#1	4446.3	62411.	4356.4
#2	4440.3	62437.	4356.4

Sample Name: CCB Acquired: 4/2/2012 22:00:17 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00121**	**-.00073**	**.00174**	**-.00137**	W **-.00070**	**.00003**	**-.00329**	**-.00350**	**.00023**	**-.00024**
Stddev	.00004	.00045	.00119	.00004	.00001	.00001	.00172	.00476	.00007	.00031
%RSD	3.1553	61.617	68.483	2.9176	1.4613	39.168	52.308	136.10	29.384	132.01
#1	-.00118	-.00104	.00090	-.00140	-.00069	.00004	-.00208	-.00687	.00018	-.00045
#2	-.00123	-.00041	.00258	-.00134	-.00071	.00002	-.00451	-.00013	.00027	-.00002
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	F **.00275**	**-.00038**	**-.05128**	**.00066**	W **-.01997**	F **-.00052**	**.00051**	F **.46927**	**-.00004**
Stddev	.00027	.00016	.00042	.00264	.00035	.00246	.00002	.00018	.01319	.00016
%RSD	71.681	5.9855	109.29	5.1435	53.934	12.306	4.3570	35.477	2.8103	360.37
#1	-.00057	.00263	-.00068	-.04942	.00091	-.01823	-.00054	.00038	.47860	.00007
#2	-.00019	.00286	-.00009	-.05315	.00041	-.02171	-.00051	.00064	.45995	-.00015
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272				.01070	.00051		.10000	
Low Limit		-.00272				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00072**	**.02204**	**.00209**	W **-.00628**	**-.00133**	**-.00011**	**.00006**	**-.00781**	W **-.00060**
Stddev	.00140	.00040	.00787	.00365	.00293	.01502	.00076	.00000	.00198	.00007
%RSD	487.13	55.935	35.712	174.97	46.751	1131.4	696.59	.71610	25.383	12.407
#1	.00128	.00044	.01648	-.00049	-.00835	-.01195	-.00065	.00006	-.00641	-.00055
#2	-.00070	.00100	.02761	.00467	-.00420	.00929	.00043	.00006	-.00921	-.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00486					.00060
Low Limit					-.00486					-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00344**	**-.00085**	**.00150**	**-.00123**
Stddev	.00062	.03084	.00009	.00002	.00129
%RSD	239.60	897.02	10.117	1.4130	104.20
#1	.00070	.01837	-.00079	.00148	-.00214
#2	-.00018	-.02525	-.00091	.00151	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4438.1**	**63170.**	**4327.7**
Stddev	3.1	130.	1.2
%RSD	.07023	.20624	.02695
#1	4435.9	63262.	4326.8
#2	4440.3	63078.	4328.5

Sample Name: CCVL1341782 Acquired: 4/2/2012 22:02:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00887**	**.11989**	**.01692**	**.10542**	**.00936**	**.00105**	**.10624**	**.21247**	**.00558**	**.01031**	**.01019**
Stddev	.00002	.00028	.00260	.00016	.00009	.00001	.00261	.00360	.00001	.00017	.00011
%RSD	.22580	.22960	15.346	.15091	.98990	1.3990	2.4612	1.6941	.23404	1.6097	1.1100
#1	.00888	.11970	.01509	.10554	.00929	.00106	.10439	.20992	.00559	.01043	.01011
#2	.00885	.12009	.01876	.10531	.00942	.00104	.10809	.21501	.00557	.01019	.01027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01953**	**.10217**	**3.1990**	**.01143**	**.20026**	**.01011**	**.02068**	F **1.4885**	**.04418**	**3.1906**	**.01007**
Stddev	.00034	.00133	.0323	.00047	.00169	.00001	.00014	.0040	.00001	.0028	.00071
%RSD	1.7592	1.3055	1.0099	4.1486	.84637	.13349	.69870	.27082	.01476	.08656	7.0594
#1	.01978	.10312	3.1762	.01110	.19906	.01010	.02078	1.4856	.04418	3.1887	.01058
#2	.01929	.10123	3.2219	.01177	.20145	.01012	.02058	1.4913	.04419	3.1926	.00957
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500							1.0000			
Range	30.000%							30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01700**	W **.01247**	**.01328**	**.53253**	**.10117**	**.01097**	F **.00653**	**.00927**	**.01619**	**.06327**	**.00902**
Stddev	.00029	.00016	.00153	.01638	.00044	.00016	.00032	.00021	.00195	.00842	.00015
%RSD	1.7310	1.3129	11.517	3.0759	.43891	1.4492	4.8820	2.3127	12.058	13.300	1.6711
#1	.01680	.01258	.01436	.52094	.10148	.01108	.00630	.00912	.01481	.05732	.00891
#2	.01721	.01235	.01220	.54411	.10086	.01086	.00675	.00943	.01757	.06922	.00913
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000					.01500				
Range		20.000%					-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02322**	**.01670**
Stddev	.00023	.00042
%RSD	1.0017	2.5282
#1	.02339	.01700
#2	.02306	.01640
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4478.2**	**63558.**	**4354.5**
Stddev	5.7	44.	5.7
%RSD	.12813	.06859	.13140
#1	4482.2	63589.	4358.6
#2	4474.1	63528.	4350.5

Sample Name: LB2 280-113597/1-B Acquired: 4/2/2012 22:05:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00132**	**.00183**	**-.00142**	**.00467**	**.00064**	**.00012**	**-.00210**	W **.10208**	**.00050**	**-.00027**
Stddev	.00038	.00044	.00106	.00067	.00004	.00004	.00210	.00413	.00012	.00018
%RSD	29.084	23.819	74.295	14.372	6.4521	36.806	99.832	4.0419	23.591	65.711
#1	-.00105	.00152	-.00068	.00419	.00067	.00015	-.00359	.09916	.00058	-.00015
#2	-.00159	.00214	-.00217	.00514	.00061	.00009	-.00062	.10500	.00041	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.10000		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00375**	**.00101**	**-.10937**	**.00086**	**-.01409**	**-.00048**	**-.00014**	W **.82104**	**-.00056**
Stddev	.00011	.00006	.00163	.09339	.00119	.00155	.00004	.00015	.00461	.00023
%RSD	638.65	1.5523	161.12	85.389	139.11	11.012	8.1576	105.75	.56180	41.907
#1	-.00009	.00371	.00217	-.17541	.00170	-.01519	-.00051	-.00024	.81778	-.00072
#2	.00006	.00379	-.00014	-.04333	.00001	-.01300	-.00045	-.00004	.82430	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.50000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00074**	**.02035**	**.00228**	**-.00274**	**.01895**	**-.00003**	**.00037**	W **-.00562**	**-.00072**
Stddev	.00033	.00094	.00204	.00134	.00616	.01359	.00018	.00006	.00010	.00009
%RSD	2081.2	127.01	10.016	58.559	224.86	71.691	524.18	16.988	1.8040	12.237
#1	-.00022	.00008	.02179	.00134	.00162	.00934	-.00016	.00041	-.00569	-.00066
#2	.00025	.00141	.01891	.00322	-.00710	.02856	.00009	.00032	-.00555	-.00078
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00500	
Low Limit									-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00310**	**-.02181**	**-.00086**	**.00371**	**.00084**
Stddev	.00015	.02679	.00012	.00016	.00077
%RSD	4.8449	122.83	14.442	4.2120	91.544
#1	-.00320	-.04076	-.00077	.00382	.00138
#2	-.00299	-.00287	-.00095	.00360	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4485.1**	**64176.**	**4408.5**
Stddev	1.0	34.	25.6
%RSD	.02293	.05336	.58019
#1	4484.3	64152.	4426.6
#2	4485.8	64200.	4390.4

Sample Name: LCS 280-113597/2-B Acquired: 4/2/2012 22:08:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18986**	**.42737**	**.78515**	**.19291**	**2.2902**	**.00945**	**.38130**	**9.2896**	**.21743**	**.09212**
Stddev	.00064	.00264	.00460	.00033	.0008	.00007	.00472	.0079	.00005	.00033
%RSD	.33477	.61794	.58563	.17301	.03360	.70506	1.2385	.08504	.02502	.35903
#1	.19031	.42550	.78841	.19267	2.2908	.00949	.37796	9.2840	.21740	.09236
#2	.18941	.42923	.78190	.19315	2.2897	.00940	.38464	9.2952	.21747	.09189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98047**	**.45930**	**.19392**	**9.8130**	**.19765**	**9.5426**	**.09481**	**.18708**	**10.142**	**10.581**
Stddev	.00102	.00007	.00032	.0296	.00186	.0074	.00024	.00057	.000	.539
%RSD	.10388	.01576	.16690	.30209	.93935	.07775	.25725	.30318	.00249	5.0909
#1	.97975	.45925	.19369	9.8340	.19896	9.5374	.09499	.18668	10.142	10.200
#2	.98119	.45935	.19415	9.7920	.19633	9.5479	.09464	.18748	10.142	10.962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09763**	**1.9231**	**1.0892**	**.01992**	**.09796**	**.59379**	F **1.8916**	**.35423**	**.19999**	**.16655**
Stddev	.00022	.0071	.0003	.00644	.00515	.00364	.0014	.00041	.00036	.00225
%RSD	.22754	.36691	.03038	32.327	5.2613	.61265	.07580	.11704	.17868	1.3536
#1	.09779	1.9181	1.0890	.01537	.10160	.59122	1.8926	.35394	.20025	.16814
#2	.09748	1.9281	1.0894	.02448	.09432	.59637	1.8905	.35453	.19974	.16495
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.48000			
Low Limit							.32000			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17842**	**.39187**	**.38448**	**.08751**	**.46683**	**.08960**
Stddev	.00009	.00313	.02335	.00017	.00028	.00245
%RSD	.05307	.79814	6.0743	.19156	.05896	2.7342
#1	.17849	.38966	.36797	.08739	.46702	.08787
#2	.17835	.39408	.40100	.08763	.46663	.09133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4469.8**	**63164.**	**4386.8**
Stddev	1.2	164.	8.1
%RSD	.02671	.25993	.18531
#1	4468.9	63280.	4381.0
#2	4470.6	63048.	4392.5

Sample Name: 280-27088-A-1-B Acquired: 4/2/2012 22:10:29 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00195**	**.01119**	**-.00253**	**.40840**	**.07591**	**-.00001**	**-.00499**	**336.96**	**-.00002**	**-.00014**
Stddev	.00023	.00010	.00050	.00093	.00011	.00015	.00347	.65	.00007	.00020
%RSD	11.967	.89641	19.640	.22686	.14898	2358.2	69.514	.19415	328.52	141.34
#1	-.00178	.01112	-.00218	.40906	.07583	-.00011	-.00744	336.50	-.00007	.00000
#2	-.00211	.01126	-.00288	.40775	.07599	.00010	-.00254	337.42	.00003	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01532**	**.00454**	**.02929**	**9.5382**	**.02511**	**-.02056**	**-.00037**	**.00660**	**329.27**	**.00061**
Stddev	.00012	.00034	.00280	.0252	.00093	.00376	.00003	.00003	.92	.00029
%RSD	.79852	7.5545	9.5755	.26374	3.6947	18.266	8.2289	.45401	.27945	47.022
#1	.01524	.00478	.03127	9.5560	.02446	-.02322	-.00035	.00662	329.92	.00041
#2	.01541	.00430	.02731	9.5204	.02577	-.01791	-.00040	.00658	328.62	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10154**	**.00277**	**91.926**	**-.00236**	**.00681**	**.02386**	**-.00018**	**.36431**	**-.00718**	**.00018**
Stddev	.00015	.00267	.128	.00273	.00301	.00635	.00087	.00054	.00149	.00013
%RSD	.15259	96.574	.13879	115.54	44.195	26.623	478.69	.14827	20.787	70.826
#1	.10165	.00088	92.017	-.00429	.00894	.01937	.00043	.36469	-.00613	.00009
#2	.10143	.00466	91.836	-.00043	.00468	.02835	-.00080	.36393	-.00824	.00027
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00073**	**-.00241**	**-.00055**	**.08415**	**.00045**
Stddev	.00046	.00903	.00009	.00126	.00126
%RSD	63.682	373.95	16.096	1.4918	277.17
#1	-.00106	-.00880	-.00049	.08504	-.00044
#2	-.00040	.00397	-.00061	.08326	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4150.4**	**58257.**	**4316.7**
Stddev	5.1	16.	3.8
%RSD	.12294	.02750	.08723
#1	4146.8	58269.	4314.0
#2	4154.0	58246.	4319.4

Sample Name: sd 280-27088-A-1-B@5 Acquired: 4/2/2012 22:13:15 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.00169**	**.00079**	**.08564**	**.01485**	**.00006**	**-.00426**	**70.804**	**.00005**	**-.00023**
Stddev	.00022	.00070	.00215	.00026	.00004	.00002	.00020	.111	.00008	.00006
%RSD	18.133	41.650	270.02	.29951	.25236	36.408	4.6268	.15645	153.60	25.352
#1	-.00138	.00119	.00231	.08582	.01483	.00008	-.00412	70.726	.00000	-.00028
#2	-.00107	.00218	-.00072	.08545	.01488	.00005	-.00440	70.882	.00011	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00357**	**.00317**	**.01251**	**1.8576**	**.00672**	**-.01953**	**-.00045**	**.00117**	**68.500**	**.00005**
Stddev	.00011	.00058	.00044	.0225	.00056	.00013	.00002	.00032	.014	.00019
%RSD	3.1745	18.426	3.5497	1.2108	8.3063	.67017	4.1420	27.755	.02042	373.06
#1	.00365	.00359	.01220	1.8735	.00632	-.01943	-.00043	.00094	68.491	-.00008
#2	.00349	.00276	.01282	1.8417	.00711	-.01962	-.00046	.00140	68.510	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02000**	**.00088**	**18.442**	**-.00194**	**-.00199**	**.01016**	**-.00066**	**.07547**	**-.00849**	**-.00104**
Stddev	.00112	.00002	.029	.00092	.00085	.00002	.00053	.00022	.00048	.00015
%RSD	5.5886	2.1880	.15506	47.401	42.964	.22761	79.254	.29716	5.7093	14.039
#1	.01921	.00086	18.422	-.00259	-.00138	.01017	-.00104	.07531	-.00883	-.00094
#2	.02079	.00089	18.463	-.00129	-.00259	.01014	-.00029	.07562	-.00815	-.00114
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.02613**	**-.00086**	**.01901**	**-.00204**
Stddev	.00056	.02752	.00054	.00041	.00022
%RSD	260.39	105.31	63.099	2.1673	11.048
#1	.00061	-.00667	-.00125	.01872	-.00219
#2	-.00018	-.04560	-.00048	.01931	-.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4371.3**	**61700.**	**4358.9**
Stddev	2.1	19.	25.3
%RSD	.04701	.03011	.57982
#1	4369.8	61687.	4376.7
#2	4372.8	61713.	4341.0

Sample Name: 280-27088-A-1-C MS Acquired: 4/2/2012 22:15:48 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.19647**	**.40922**	**.83836**	**.61454**	**2.3696**	**.00925**	**.37235**	**355.33**	**.22514**	**.09027**
Stddev	.00132	.00004	.00052	.00158	.0003	.00002	.00661	4.22	.00030	.00006
%RSD	.67088	.00885	.06159	.25638	.01071	.17972	1.7760	1.1867	.13308	.06301
#1	.19553	.40925	.83800	.61566	2.3698	.00924	.37702	358.31	.22535	.09031
#2	.19740	.40920	.83873	.61343	2.3694	.00926	.36767	352.34	.22493	.09023
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98325**	**.46437**	**.19424**	**20.546**	**.22455**	**9.0075**	**.09378**	**.19470**	**349.41**	**.09544**
Stddev	.00041	.00163	.00507	.083	.00206	.0019	.00003	.00024	1.10	.00084
%RSD	.04126	.35036	2.6103	.40295	.91809	.02058	.03030	.12146	.31424	.88464
#1	.98354	.46322	.19066	20.605	.22309	9.0088	.09380	.19486	350.19	.09485
#2	.98297	.46553	.19783	20.488	.22601	9.0061	.09376	.19453	348.63	.09604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1610**	**1.0366**	**101.75**	**.10167**	**.61819**	**1.9226**	**.34432**	**.57702**	**.17141**	**.18252**
Stddev	.0086	.0005	.18	.00120	.00106	.0095	.00073	.00026	.00030	.00012
%RSD	.39803	.04618	.18110	1.1827	.17136	.49205	.21075	.04459	.17550	.06805
#1	2.1671	1.0363	101.88	.10082	.61894	1.9159	.34483	.57684	.17162	.18261
#2	2.1549	1.0370	101.62	.10252	.61744	1.9293	.34380	.57721	.17120	.18243
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.34587**	**.34762**	**.09029**	**.56106**	**.08999**
Stddev	.00009	.02404	.00042	.00084	.00074
%RSD	.02665	6.9163	.46578	.15047	.82586
#1	.34580	.33062	.09000	.56046	.08946
#2	.34593	.36463	.09059	.56165	.09051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4101.1**	**57693.**	**4315.1**
Stddev	5.6	50.	19.7
%RSD	.13658	.08583	.45584
#1	4097.2	57658.	4301.2
#2	4105.1	57728.	4329.0

Sample Name: 280-27088-A-1-D MSD Acquired: 4/2/2012 22:18:25 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.19340**	**.40328**	**.82797**	**.60585**	**2.3514**	**.00917**	**.37110**	**355.60**	**.22201**	**.08929**
Stddev	.00012	.00171	.00358	.00034	.0095	.00014	.00261	.51	.00043	.00016
%RSD	.06159	.42474	.43192	.05624	.40403	1.4751	.70443	.14216	.19381	.18252
#1	.19331	.40207	.83050	.60609	2.3447	.00927	.37295	355.24	.22170	.08941
#2	.19348	.40450	.82544	.60561	2.3581	.00908	.36925	355.96	.22231	.08918
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97178**	**.45893**	**.22377**	**20.339**	**.22135**	**8.8881**	**.09263**	**.19292**	**345.82**	**.09392**
Stddev	.00027	.00040	.00252	.083	.00127	.0053	.00002	.00043	.60	.00077
%RSD	.02729	.08739	1.1248	.40631	.57277	.05942	.01841	.22304	.17293	.82395
#1	.97159	.45921	.22199	20.280	.22224	8.8843	.09262	.19262	345.40	.09447
#2	.97197	.45865	.22555	20.397	.22045	8.8918	.09265	.19322	346.25	.09337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1202**	**1.0227**	**100.21**	**.09730**	**.61209**	**1.8955**	**.33915**	**.57161**	**.16960**	**.18046**
Stddev	.0021	.0004	.06	.00059	.00581	.0123	.00021	.00182	.00009	.00031
%RSD	.09695	.04256	.05980	.60839	.94861	.64784	.06294	.31864	.05350	.17094
#1	2.1188	1.0224	100.17	.09772	.60799	1.8868	.33900	.57032	.16967	.18068
#2	2.1217	1.0230	100.25	.09688	.61620	1.9042	.33930	.57289	.16954	.18024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.34206**	**.34630**	**.08849**	**.55427**	**.09030**
Stddev	.00084	.00316	.00058	.00132	.00076
%RSD	.24523	.91287	.65141	.23805	.84157
#1	.34147	.34406	.08808	.55520	.08976
#2	.34266	.34853	.08889	.55334	.09083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4066.2**	**57725.**	**4296.0**
Stddev	1.4	37.	9.0
%RSD	.03502	.06353	.20862
#1	4065.2	57699.	4302.4
#2	4067.2	57751.	4289.7

Sample Name: CCVH-1338467 Acquired: 4/2/2012 22:21:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**49.918**	**-.00234**	**.00178**	**-.00041**	**.00001**	**1.0045**	**.02136**	**-.00181**	**.00194**	**.00061**	**.00759**	**51.270**
Stddev	.00037	.018	.00275	.00025	.00017	.00014	.0010	.00313	.00007	.00037	.00001	.00001	.140
%RSD	34.379	.03673	117.34	13.777	42.378	2021.1	.09960	14.656	3.9557	18.919	2.0578	.16114	.27390
#1	.00081	49.931	-.00040	.00196	-.00054	.00010	1.0038	.02358	-.00186	.00220	.00062	.00758	51.171
#2	.00133	49.905	-.00428	.00161	-.00029	-.00009	1.0052	.01915	-.00176	.00168	.00061	.00759	51.370
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.00335**	**-.05361**	**-.00095**	**-.00119**	**262.74**	**.00216**	**.00636**	**.00144**	**5.5423**	**-.00706**	**-.00581**	**-.00434**
Stddev	.01047	.00274	.00266	.00000	.00030	.69	.00027	.00416	.00128	.0150	.00004	.00483	.00925
%RSD	1039.4	81.664	4.9639	.28371	24.953	.26278	12.516	65.414	88.457	.27059	.62675	83.151	212.97
#1	-.00841	.00529	-.05173	-.00095	-.00139	262.26	.00197	.00342	.00054	5.5316	-.00703	-.00922	.00220
#2	.00640	.00142	-.05549	-.00095	-.00098	263.23	.00235	.00930	.00235	5.5529	-.00709	-.00239	-.01088
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**.00046**	**4.8943**	**.00096**	**.00279**	**10.125**	**.00800**	**.00200**	**-.01314**
Stddev	.00025	.00007	.0027	.00059	.00049	.009	.00010	.00040	.00096
%RSD	7.1751	14.250	.05451	60.962	17.627	.08665	1.2623	20.176	7.2885
#1	.00371	.00042	4.8925	.00055	.00314	10.118	.00808	.00228	-.01247
#2	.00335	.00051	4.8962	.00138	.00245	10.131	.00793	.00171	-.01382
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4328.6**	**60746.**	**4329.0**
Stddev	6.5	111.	10.5
%RSD	.15055	.18268	.24357
#1	4333.2	60825.	4321.5
#2	4324.0	60668.	4336.4

Sample Name: CCV-1338469 Acquired: 4/2/2012 22:23:31 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49337**	F **.57298**	**1.0626**	**.53013**	**.50379**	**.50855**	**-.00061**	**5.0621**	**.52277**	**.50545**	**.49685**	**.53187**
Stddev	.00011	.00489	.0007	.00098	.00218	.00210	.00054	.0173	.00092	.00023	.00043	.00130
%RSD	.02309	.85381	.06306	.18500	.43262	.41226	89.592	.34068	.17625	.04506	.08641	.24488
#1	.49329	.56952	1.0630	.53083	.50225	.50707	-.00099	5.0499	.52342	.50561	.49715	.53280
#2	.49345	.57644	1.0621	.52944	.50534	.51004	-.00022	5.0743	.52211	.50529	.49654	.53095
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5087**	**54.061**	**1.0630**	**21.079**	**.50513**	**.50631**	**5.4582**	**.52693**	**1.0675**	**1.0403**	**.01333**	**1.0694**
Stddev	.0138	.303	.0007	.021	.00034	.00058	.0159	.00035	.0048	.0022	.00003	.0015
%RSD	.54809	.55957	.06674	.10065	.06824	.11512	.29039	.06667	.44985	.21551	.22478	.13842
#1	2.4990	53.847	1.0625	21.094	.50537	.50672	5.4470	.52717	1.0641	1.0419	.01335	1.0704
#2	2.5184	54.275	1.0635	21.064	.50489	.50590	5.4694	.52668	1.0709	1.0387	.01331	1.0683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0999**	**5.1219**	**.96387**	**.53128**	**-.00679**	**.48516**	**1.0644**	**-.01057**	**.47638**	**.50444**	**.50023**
Stddev	.0006	.0170	.00138	.00274	.00209	.00026	.0032	.03197	.00008	.00063	.00274
%RSD	.05905	.33105	.14299	.51514	30.817	.05315	.29761	302.62	.01674	.12424	.54744
#1	1.1003	5.1099	.96485	.52935	-.00827	.48497	1.0621	.01204	.47644	.50400	.49829
#2	1.0994	5.1339	.96290	.53322	-.00531	.48534	1.0666	-.03317	.47633	.50488	.50217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4412.0**	**62159.**	**4339.4**
Stddev	2.8	37.	8.8
%RSD	.06349	.05886	.20339
#1	4410.0	62185.	4345.6
#2	4414.0	62133.	4333.1

Sample Name: CCB Acquired: 4/2/2012 22:25:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00163**	**-.00128**	**.00374**	**.00034**	**-.00055**	**.00000**	**-.00169**	**.00380**	**.00022**	**-.00029**	**-.00006**
Stddev	.00010	.00074	.00268	.00059	.00001	.00005	.00098	.00417	.00015	.00013	.00011
%RSD	6.1622	58.033	71.607	175.62	1.8195	2907.3	57.687	109.80	67.134	44.998	180.07
#1	-.00156	-.00075	.00184	.00076	-.00055	.00004	-.00100	.00675	.00011	-.00038	.00002
#2	-.00170	-.00180	.00563	-.00008	-.00056	-.00003	-.00238	.00085	.00032	-.00020	-.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00278**	**-.00144**	**-.08015**	**.00009**	F **-.02370**	F **-.00058**	**.00063**	F **.39561**	**-.00014**	**-.00050**	**.00087**
Stddev	.00001	.00279	.01435	.00025	.00079	.00004	.00019	.00475	.00029	.00172	.00158
%RSD	.20560	193.87	17.899	289.49	3.3340	6.7763	30.973	1.2002	217.25	343.81	182.64
#1	.00279	-.00342	-.07001	.00026	-.02426	-.00056	.00049	.39897	.00007	.00072	-.00025
#2	.00278	.00053	-.09029	-.00009	-.02314	-.00061	.00076	.39225	-.00034	-.00172	.00199
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272				.02140	.00051		.10000			
Low Limit	-.00272				-.02140	-.00051		-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01197**	**.00264**	**.00277**	**-.00202**	**.00031**	**.00009**	**-.00694**	**-.00041**	**.00091**	**.00230**	**-.00061**
Stddev	.00132	.00070	.00706	.00039	.00052	.00003	.00073	.00001	.00020	.02608	.00024
%RSD	11.022	26.606	255.42	19.180	167.75	33.139	10.486	3.2367	22.553	1132.7	39.964
#1	.01290	.00214	-.00223	-.00174	-.00006	.00011	-.00746	-.00042	.00076	.02074	-.00078
#2	.01104	.00313	.00776	-.00229	.00068	.00007	-.00643	-.00040	.00105	-.01614	-.00044
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00210**	**.00121**
Stddev	.00059	.00120
%RSD	28.164	98.599
#1	.00168	.00037
#2	.00252	.00206
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4418.6**	**62808.**	**4295.7**
Stddev	.1	27.	8.5
%RSD	.00279	.04276	.19779
#1	4418.7	62827.	4289.7
#2	4418.5	62789.	4301.7

Sample Name: CCVL1341782 Acquired: 4/2/2012 22:28:29 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00903**	**.11718**	**.01573**	**.10501**	**.00936**	**.00104**	**.10848**	**.20657**	**.00536**	**.01056**	**.00989**
Stddev	.00114	.00095	.00024	.00007	.00000	.00014	.00025	.00771	.00029	.00007	.00010
%RSD	12.654	.81494	1.4944	.06766	.01871	13.017	.23405	3.7334	5.3680	.62939	1.0083
#1	.00984	.11650	.01589	.10496	.00937	.00095	.10831	.20112	.00556	.01061	.00982
#2	.00823	.11785	.01556	.10506	.00936	.00114	.10866	.21202	.00516	.01051	.00996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01898**	**.09704**	**3.1482**	W **.01270**	**.19398**	**.00991**	**.02037**	F **1.3894**	**.04265**	**3.1292**	**.00930**
Stddev	.00023	.00153	.0386	.00284	.00253	.00000	.00026	.0197	.00034	.0077	.00012
%RSD	1.2055	1.5722	1.2267	22.326	1.3054	.02674	1.2602	1.4145	.80814	.24540	1.2418
#1	.01914	.09812	3.1755	.01070	.19577	.00991	.02019	1.3755	.04289	3.1346	.00939
#2	.01882	.09597	3.1209	.01471	.19219	.00991	.02055	1.4033	.04240	3.1237	.00922
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000				1.0000			
Range	20.000%			20.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00988**	**.00992**	F **.01028**	**.50923**	**.09858**	**.01067**	F **.00750**	**.00916**	**.01518**	**.06131**	**.00868**
Stddev	.00372	.00046	.00132	.00214	.00120	.00007	.00204	.00033	.00038	.00391	.00066
%RSD	37.645	4.6350	12.838	.41990	1.2177	.62569	27.260	3.6342	2.5243	6.3734	7.5657
#1	.00725	.00960	.01121	.51075	.09773	.01063	.00605	.00892	.01545	.05854	.00914
#2	.01251	.01025	.00934	.50772	.09943	.01072	.00895	.00939	.01491	.06407	.00821
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-30.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02275**	**.01496**
Stddev	.00032	.00089
%RSD	1.4223	5.9290
#1	.02252	.01433
#2	.02297	.01559
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4452.6**	**63434.**	**4363.5**
Stddev	4.8	161.	.4
%RSD	.10840	.25340	.00901
#1	4456.0	63321.	4363.2
#2	4449.2	63548.	4363.8

Sample Name: mb 280-113787/1-a Acquired: 4/2/2012 22:31:07 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.00608**	**.00147**	**-.00019**	**-.00039**	**-.00002**	**-.00354**	F **.22753**	**.00043**	**-.00023**
Stddev	.00029	.00011	.00035	.00030	.00030	.00002	.00019	.00222	.00013	.00004
%RSD	21.433	1.7978	24.113	155.58	75.594	127.74	5.4769	.97780	30.643	15.293
#1	-.00115	.00601	.00122	-.00040	-.00018	.00000	-.00368	.22910	.00033	-.00026
#2	-.00156	.00616	.00172	.00002	-.00060	-.00003	-.00341	.22595	.00052	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								.20000		
Low Limit								-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00428**	**.01346**	**-.07590**	**-.00058**	**-.00940**	**-.00010**	**-.00008**	W **.56789**	**.00019**
Stddev	.00012	.00010	.00038	.00186	.00067	.00129	.00002	.00022	.01991	.00048
%RSD	82.729	2.3164	2.8543	2.4572	115.81	13.680	18.485	286.95	3.5055	245.86
#1	.00006	.00421	.01319	-.07458	-.00106	-.01031	-.00011	-.00023	.55382	-.00014
#2	.00024	.00435	.01373	-.07721	-.00011	-.00849	-.00009	.00008	.58197	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.50000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00709**	**.00009**	**.04824**	**.00045**	W **-.00642**	**.03272**	**.00696**	**.00042**	W **-.00593**	**-.00022**
Stddev	.00105	.00041	.00195	.00096	.00012	.01475	.00014	.00010	.00105	.00037
%RSD	14.825	452.87	4.0386	214.95	1.8497	45.072	2.0539	22.994	17.657	169.85
#1	.00635	-.00020	.04686	-.00023	-.00634	.04315	.00686	.00049	-.00519	.00004
#2	.00784	.00038	.04961	.00112	-.00651	.02229	.00706	.00035	-.00667	-.00048
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500				.00500				.00500	
Low Limit	-.00500				-.00500				-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00519**	**-.00111**	**.00363**	**-.00098**
Stddev	.00003	.02126	.00030	.00011	.00090
%RSD	6.1520	409.28	26.741	3.0574	91.227
#1	-.00043	-.02023	-.00132	.00355	-.00035
#2	-.00039	.00984	-.00090	.00371	-.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4448.3**	**63937.**	**4415.8**
Stddev	2.4	83.	7.0
%RSD	.05358	.12935	.15929
#1	4446.6	63995.	4410.9
#2	4450.0	63878.	4420.8

Sample Name: lcs 280-113787/2-a Acquired: 4/2/2012 22:33:41 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04947**	**2.1796**	**1.0692**	**1.0318**	**2.0519**	**.05205**	**2.0605**	**50.759**	**.10730**	**.50083**
Stddev	.00010	.0027	.0040	.0008	.0039	.00030	.0006	.106	.00003	.00019
%RSD	.19500	.12285	.37182	.07242	.19061	.58535	.02930	.20897	.02999	.03738
#1	.04954	2.1777	1.0720	1.0323	2.0546	.05226	2.0601	50.834	.10733	.50097
#2	.04940	2.1815	1.0664	1.0312	2.0491	.05183	2.0609	50.684	.10728	.50070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20193**	**.27478**	**1.0251**	**54.891**	**1.0791**	**51.468**	**.51423**	**1.0360**	**53.426**	**.52487**
Stddev	.00112	.00027	.0043	.166	.0019	.024	.00028	.0001	.129	.00057
%RSD	.55387	.09953	.41675	.30265	.18111	.04611	.05414	.01160	.24108	.10874
#1	.20272	.27497	1.0282	55.009	1.0805	51.485	.51443	1.0359	53.517	.52447
#2	.20114	.27458	1.0221	54.774	1.0778	51.451	.51404	1.0361	53.335	.52527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.894**	**.51288**	**.03748**	**.52211**	**2.1360**	**2.3426**	**1.9345**	**1.0850**	**.97149**	**1.0002**
Stddev	.001	.00154	.00054	.00179	.0025	.0028	.0039	.0029	.00326	.0014
%RSD	.01195	.30076	1.4415	.34252	.11672	.12102	.20311	.26863	.33516	.14328
#1	10.895	.51397	.03787	.52337	2.1342	2.3446	1.9373	1.0870	.97379	1.0012
#2	10.893	.51179	.03710	.52084	2.1378	2.3406	1.9317	1.0829	.96918	.99921
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0496**	**2.0924**	**.49240**	**.49894**	**.50336**
Stddev	.0027	.0056	.00085	.00028	.00067
%RSD	.13245	.26933	.17260	.05602	.13269
#1	2.0515	2.0964	.49300	.49874	.50289
#2	2.0476	2.0884	.49180	.49914	.50383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4248.0**	**60262.**	**4283.7**
Stddev	12.3	102.	6.3
%RSD	.28858	.16940	.14612
#1	4239.4	60190.	4279.3
#2	4256.7	60334.	4288.2

Sample Name: lcsd 280-113787/3-a Acquired: 4/2/2012 22:36:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05104**	**2.2361**	**1.0812**	**1.0497**	**2.0913**	**.05312**	**2.0964**	**51.889**	**.10945**	**.50890**
Stddev	.00008	.0024	.0035	.0001	.0039	.00038	.0014	.116	.00017	.00018
%RSD	.15095	.10662	.32403	.01048	.18594	.70618	.06465	.22275	.15652	.03463
#1	.05109	2.2344	1.0837	1.0498	2.0885	.05286	2.0974	51.808	.10933	.50903
#2	.05098	2.2378	1.0787	1.0496	2.0940	.05339	2.0955	51.971	.10957	.50878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20513**	F **.28089**	**1.0455**	F **55.944**	**1.0966**	**52.564**	**.52536**	**1.0526**	**54.146**	**.53430**
Stddev	.00002	.00050	.0060	.128	.0001	.042	.00025	.0005	.014	.00008
%RSD	.00805	.17934	.57380	.22955	.00824	.08069	.04818	.05001	.02569	.01556
#1	.20515	.28054	1.0413	55.853	1.0965	52.534	.52554	1.0530	54.136	.53424
#2	.20512	.28125	1.0498	56.035	1.0966	52.594	.52519	1.0523	54.156	.53436
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.27500		55.000						
Low Limit		.22000		44.500						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.088**	**.52185**	**.05481**	**.53352**	**2.1757**	**2.3267**	**1.9638**	F **1.1056**	**.99272**	**1.0191**
Stddev	.017	.00176	.00334	.00361	.0012	.0043	.0023	.0018	.00238	.0010
%RSD	.15463	.33788	6.0921	.67665	.05630	.18692	.11839	.15883	.23937	.10231
#1	11.100	.52310	.05245	.53607	2.1766	2.3236	1.9621	1.1044	.99104	1.0198
#2	11.075	.52060	.05717	.53097	2.1748	2.3298	1.9654	1.1069	.99440	1.0183
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1.1000		
Low Limit								.89000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0880**	**2.1216**	**.50299**	**.51077**	**.51333**
Stddev	.0036	.0109	.00129	.00104	.00039
%RSD	.17042	.51454	.25681	.20417	.07537
#1	2.0905	2.1139	.50390	.51151	.51360
#2	2.0855	2.1293	.50208	.51003	.51306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4249.8**	**60126.**	**4303.4**
Stddev	3.8	173.	.6
%RSD	.08978	.28712	.01448
#1	4252.5	60004.	4303.0
#2	4247.1	60248.	4303.8

Sample Name: 280-27174-a-1-a Acquired: 4/2/2012 22:38:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00233**	**68.148**	**.03176**	**.04917**	**1.0028**	**.00403**	**-.00663**	**132.56**	**.00155**	**.02827**
Stddev	.00020	.020	.00498	.00056	.0001	.00010	.00151	.09	.00005	.00021
%RSD	8.4593	.02948	15.693	1.1465	.01365	2.5586	22.723	.06717	3.4325	.75193
#1	-.00219	68.162	.02823	.04877	1.0027	.00396	-.00557	132.62	.00151	.02842
#2	-.00246	68.134	.03528	.04957	1.0029	.00411	-.00770	132.50	.00159	.02812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07221**	**.11724**	**68.659**	**15.819**	**.09950**	**25.129**	**1.5675**	**.01227**	**1.8445**	**.12439**
Stddev	.00032	.00014	.104	.007	.00014	.012	.0014	.00046	.0101	.00024
%RSD	.44596	.11816	.15110	.04556	.14531	.04861	.08725	3.7335	.55016	.18930
#1	.07199	.11715	68.733	15.824	.09940	25.138	1.5685	.01195	1.8517	.12423
#2	.07244	.11734	68.586	15.814	.09960	25.120	1.5666	.01260	1.8373	.12456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5291**	**.17467**	**5.4970**	**.00459**	**-.00220**	**2.9433**	**.00530**	**.26959**	**.03412**	**1.7848**
Stddev	.0155	.00108	.0011	.00002	.00108	.0074	.00042	.00036	.00061	.0013
%RSD	.61202	.61796	.01993	.35795	49.015	.25099	7.9339	.13325	1.8007	.07401
#1	2.5181	.17391	5.4962	.00460	-.00296	2.9381	.00559	.26985	.03456	1.7858
#2	2.5400	.17544	5.4978	.00458	-.00144	2.9486	.00500	.26934	.03369	1.7839
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00275**	W **-.06978**	**.40384**	**.32702**	**.09304**
Stddev	.00205	.01631	.00041	.00067	.00022
%RSD	74.618	23.373	.10079	.20411	.23276
#1	.00130	-.05824	.40413	.32655	.09289
#2	.00421	-.08131	.40356	.32749	.09320
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4671.8**	**64437.**	**4696.2**
Stddev	11.8	110.	1.4
%RSD	.25327	.17124	.02967
#1	4663.4	64359.	4697.2
#2	4680.2	64516.	4695.2

Sample Name: 280-27174-a-1-aSD@5 Acquired: 4/2/2012 22:40:51 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00223**	**14.716**	**.00753**	**.01067**	**.21480**	**.00096**	**-.00127**	**28.285**	**.00042**	**.00610**
Stddev	.00012	.049	.00040	.00090	.00047	.00000	.00349	.024	.00014	.00010
%RSD	5.3068	.33475	5.3100	8.4705	.21923	.14771	274.52	.08532	32.979	1.7198
#1	-.00231	14.681	.00724	.01131	.21446	.00096	-.00374	28.268	.00052	.00617
#2	-.00215	14.751	.00781	.01003	.21513	.00095	.00120	28.303	.00032	.00603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01596**	**.02661**	**14.701**	**3.2978**	**.02348**	**5.5023**	**.33336**	**.00194**	**.55989**	**.02752**
Stddev	.00002	.00048	.047	.0036	.00018	.0035	.00009	.00008	.00565	.00019
%RSD	.12438	1.7854	.32278	.10922	.76951	.06410	.02783	4.0743	1.0097	.70462
#1	.01595	.02695	14.667	3.2953	.02336	5.5048	.33329	.00189	.55589	.02738
#2	.01597	.02627	14.734	3.3004	.02361	5.4998	.33342	.00200	.56389	.02766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54434**	**.03905**	**1.1774**	**.00114**	**-.00347**	**.61990**	**.00112**	**.05808**	**.00239**	**.37405**
Stddev	.00153	.00071	.0031	.00058	.00167	.00732	.00069	.00002	.00025	.00139
%RSD	.28089	1.8271	.26022	50.780	48.211	1.1801	61.302	.03967	10.557	.37182
#1	.54326	.03854	1.1752	.00155	-.00229	.61473	.00063	.05807	.00257	.37504
#2	.54542	.03955	1.1796	.00073	-.00466	.62508	.00161	.05810	.00221	.37307
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00225**	**-.04607**	**.08516**	**.07187**	**.02051**
Stddev	.00111	.00240	.00011	.00024	.00123
%RSD	49.521	5.2007	.13194	.33990	6.0017
#1	.00303	-.04777	.08524	.07204	.01964
#2	.00146	-.04438	.08508	.07169	.02138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4529.4**	**63331.**	**4417.6**
Stddev	1.9	26.	4.4
%RSD	.04295	.04150	.10047
#1	4528.0	63349.	4414.5
#2	4530.7	63312.	4420.8

Sample Name: 280-27174-a-1-b ms Acquired: 4/2/2012 22:43:24 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04586**	**112.50**	**.99036**	**.98380**	**2.9808**	**.05134**	**1.8698**	**178.99**	**.09832**	**.46706**
Stddev	.00020	.03	.00178	.00098	.0044	.00004	.0009	.23	.00021	.00090
%RSD	.43494	.02404	.17974	.09920	.14657	.08126	.04874	.12635	.21539	.19176
#1	.04572	112.52	.99162	.98449	2.9839	.05137	1.8704	179.15	.09847	.46769
#2	.04600	112.48	.98910	.98311	2.9777	.05131	1.8691	178.83	.09817	.46642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27682**	**.36833**	**79.424**	**71.944**	**1.1102**	**81.277**	**2.0237**	**.90774**	**50.416**	**.62244**
Stddev	.00010	.00101	.008	.183	.0009	.183	.0059	.00032	.348	.00002
%RSD	.03452	.27393	.01062	.25465	.08247	.22463	.28969	.03566	.68965	.00361
#1	.27689	.36762	79.430	72.073	1.1109	81.148	2.0195	.90797	50.170	.62246
#2	.27676	.36904	79.418	71.814	1.1096	81.406	2.0278	.90751	50.661	.62242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.425**	**.61404**	**6.0147**	**.22873**	**1.9204**	**5.2817**	**1.6400**	**1.2682**	**.94288**	**3.9100**
Stddev	.008	.00007	.0036	.00059	.0041	.0594	.0010	.0019	.00030	.0132
%RSD	.06361	.01086	.05977	.25823	.21553	1.1238	.06061	.15128	.03181	.33859
#1	12.420	.61399	6.0173	.22915	1.9174	5.3236	1.6407	1.2696	.94267	3.9006
#2	12.431	.61408	6.0122	.22831	1.9233	5.2397	1.6393	1.2669	.94309	3.9194
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7000**	**1.8488**	**1.0037**	**.81030**	**.57366**
Stddev	.0018	.0363	.0022	.00492	.00066
%RSD	.10342	1.9630	.22071	.60733	.11441
#1	1.7013	1.8231	1.0021	.80682	.57320
#2	1.6988	1.8744	1.0053	.81378	.57413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4577.5**	**62597.**	**4673.2**
Stddev	1.7	65.	14.7
%RSD	.03692	.10338	.31499
#1	4576.3	62552.	4662.8
#2	4578.7	62643.	4683.6

Sample Name: 280-27174-a-1-c msd Acquired: 4/2/2012 22:45:41 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04536**	**103.37**	**.99412**	**.98499**	**3.0977**	**.05135**	**1.8684**	**168.58**	**.09849**	**.46760**
Stddev	.00021	.06	.00243	.00020	.0018	.00003	.0016	.15	.00005	.00128
%RSD	.46281	.05718	.24468	.01987	.05807	.06613	.08516	.08808	.04577	.27467
#1	.04522	103.33	.99584	.98513	3.0964	.05132	1.8696	168.48	.09846	.46669
#2	.04551	103.41	.99240	.98486	3.0990	.05137	1.8673	168.69	.09853	.46851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26267**	**.36815**	**77.337**	**70.113**	**1.0989**	**78.194**	**1.9948**	**.90549**	**50.218**	**.62608**
Stddev	.00039	.00164	.137	.101	.0009	.101	.0004	.00070	.113	.00126
%RSD	.14940	.44442	.17683	.14445	.08504	.12940	.01866	.07750	.22486	.20196
#1	.26239	.36931	77.240	70.041	1.0982	78.265	1.9945	.90598	50.298	.62518
#2	.26294	.36699	77.434	70.184	1.0996	78.122	1.9950	.90499	50.139	.62697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.191**	**.63206**	**7.1744**	**.23371**	**1.9278**	**4.7189**	**1.6542**	**1.2688**	**.94622**	**3.7161**
Stddev	.013	.00252	.0013	.00012	.0011	.0513	.0009	.0019	.00000	.0004
%RSD	.11003	.39895	.01854	.05076	.05722	1.0875	.05171	.14934	.00049	.00978
#1	12.181	.63028	7.1734	.23362	1.9286	4.7552	1.6536	1.2675	.94622	3.7158
#2	12.200	.63385	7.1753	.23379	1.9270	4.6826	1.6548	1.2702	.94621	3.7163
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6895**	**1.8051**	**1.0588**	**.80749**	**.56309**
Stddev	.0022	.0107	.0022	.00170	.00045
%RSD	.12814	.59426	.20915	.21031	.07956
#1	1.6880	1.8127	1.0572	.80629	.56340
#2	1.6911	1.7975	1.0603	.80869	.56277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4584.6**	**63016.**	**4677.8**
Stddev	3.0	94.	2.7
%RSD	.06512	.14948	.05775
#1	4586.7	63083.	4679.7
#2	4582.4	62949.	4675.9

Sample Name: 280-27174-a-2-a Acquired: 4/2/2012 22:47:59 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00195**	**60.010**	**.05474**	**.10143**	**1.2987**	**.00431**	**.01104**	**95.569**	**.00434**	**.02994**
Stddev	.00081	.188	.00071	.00013	.0047	.00014	.00071	.302	.00047	.00028
%RSD	41.412	.31361	1.2891	.12781	.36603	3.3129	6.4559	.31641	10.899	.94950
#1	-.00252	60.143	.05524	.10152	1.3020	.00420	.01155	95.783	.00468	.03014
#2	-.00138	59.877	.05424	.10133	1.2953	.00441	.01054	95.355	.00401	.02973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11172**	**.79238**	**99.730**	**13.591**	**.07629**	**20.813**	**2.0007**	**.00812**	**2.1055**	**.07887**
Stddev	.00012	.00084	.447	.101	.00064	.005	.0004	.00020	.0255	.00041
%RSD	.10964	.10585	.44795	.74149	.84175	.02413	.02036	2.4229	1.2092	.51434
#1	.11180	.79297	100.05	13.662	.07675	20.816	2.0010	.00826	2.1235	.07916
#2	.11163	.79178	99.414	13.520	.07584	20.809	2.0004	.00798	2.0875	.07859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1879**	**1.2304**	**4.3156**	**.01223**	**-.00179**	**2.5454**	**.06668**	**.56744**	**.02966**	**2.0738**
Stddev	.0003	.0031	.0098	.00072	.00307	.0070	.00075	.00136	.00136	.0022
%RSD	.00624	.25110	.22621	5.8647	171.80	.27507	1.1303	.23942	4.6019	.10637
#1	4.1877	1.2326	4.3087	.01274	-.00396	2.5503	.06721	.56840	.02869	2.0754
#2	4.1881	1.2282	4.3225	.01172	.00038	2.5404	.06614	.56648	.03062	2.0723
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	W **-.05747**	**.20393**	**1.1438**	**.09897**
Stddev	.00117	.00081	.00036	.0003	.00031
%RSD	60.858	1.4109	.17866	.02252	.31619
#1	.00110	-.05804	.20367	1.1440	.09875
#2	.00275	-.05689	.20419	1.1436	.09919
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4805.2**	**66302.**	**4833.8**
Stddev	.1	247.	38.8
%RSD	.00249	.37205	.80261
#1	4805.3	66477.	4806.4
#2	4805.2	66128.	4861.2

Sample Name: 280-27174-a-3-a Acquired: 4/2/2012 22:50:25 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**71.150**	**.03301**	**.05348**	**1.0085**	**.00380**	**-.00613**	**159.80**	**.00216**	**.02816**
Stddev	.00042	.324	.00253	.00012	.0048	.00018	.00036	.56	.00001	.00015
%RSD	19.278	.45498	7.6733	.21908	.47535	4.8115	5.9167	.35085	.26499	.54791
#1	-.00247	71.379	.03480	.05340	1.0119	.00393	-.00639	160.20	.00216	.02827
#2	-.00188	70.921	.03122	.05357	1.0051	.00367	-.00587	159.40	.00217	.02805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21645**	**.18728**	**70.803**	**14.369**	**.08100**	**19.486**	**1.9608**	**.00604**	**2.4441**	**.06150**
Stddev	.00062	.00072	.054	.041	.00030	.069	.0055	.00001	.0189	.00002
%RSD	.28478	.38689	.07611	.28447	.36962	.35173	.27948	.12799	.77420	.03877
#1	.21602	.18779	70.841	14.397	.08079	19.534	1.9646	.00603	2.4575	.06148
#2	.21689	.18677	70.765	14.340	.08121	19.437	1.9569	.00604	2.4307	.06152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2366**	**.64816**	**6.9340**	**.00090**	**-.00132**	**2.9516**	**.00997**	**.54654**	**.03475**	**1.9415**
Stddev	.0056	.00064	.0197	.00055	.00630	.0208	.00020	.00298	.00225	.0042
%RSD	.24990	.09942	.28348	61.229	478.71	.70302	2.0164	.54483	6.4879	.21686
#1	2.2405	.64862	6.9479	.00051	-.00577	2.9663	.00983	.54865	.03315	1.9445
#2	2.2326	.64771	6.9201	.00129	.00314	2.9369	.01011	.54444	.03634	1.9385
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	W **-.07853**	**.17165**	**.51802**	**.09235**
Stddev	.00011	.01990	.00012	.00112	.00226
%RSD	18.570	25.336	.07135	.21593	2.4454
#1	-.00054	-.06446	.17156	.51723	.09075
#2	-.00070	-.09260	.17173	.51881	.09395
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4699.1**	**64553.**	**4726.7**
Stddev	1.0	160.	9.5
%RSD	.02043	.24779	.20016
#1	4698.5	64440.	4720.0
#2	4699.8	64666.	4733.4

Sample Name: 280-27174-a-4-a Acquired: 4/2/2012 22:52:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00255**	**88.704**	**.03406**	**.05407**	**1.2429**	**.00469**	**-.00479**	**259.03**	**.00239**	**.02872**
Stddev	.00013	.085	.00009	.00054	.0013	.00000	.00038	1.84	.00008	.00007
%RSD	5.2566	.09608	.25982	1.0033	.10580	.07366	7.9547	.70948	3.4214	.24068
#1	-.00246	88.644	.03412	.05368	1.2420	.00469	-.00452	257.74	.00233	.02877
#2	-.00265	88.764	.03399	.05445	1.2438	.00469	-.00506	260.33	.00244	.02868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12864**	**.19045**	**84.921**	**20.305**	**.13070**	**33.607**	**1.5572**	**.00473**	**1.8072**	**.06923**
Stddev	.00030	.00050	.293	.038	.00347	.042	.0000	.00011	.0061	.00016
%RSD	.23052	.26325	.34521	.18606	2.6547	.12575	.00009	2.3723	.33977	.22869
#1	.12843	.19010	84.714	20.278	.13316	33.637	1.5572	.00480	1.8029	.06934
#2	.12885	.19081	85.129	20.331	.12825	33.577	1.5572	.00465	1.8116	.06911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3607**	**.34931**	**2.5722**	**-.00130**	**-.00357**	**3.2689**	**.00778**	**.48036**	**.04296**	**2.3708**
Stddev	.0017	.00089	.0056	.00252	.01077	.0011	.00043	.00078	.00118	.0005
%RSD	.05027	.25451	.21974	193.37	301.82	.03367	5.5553	.16331	2.7562	.02044
#1	3.3595	.34994	2.5762	.00048	-.01119	3.2682	.00808	.47981	.04380	2.3705
#2	3.3618	.34868	2.5682	-.00309	.00405	3.2697	.00747	.48092	.04212	2.3712
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	W **-.09660**	**.22128**	**.54771**	**.12107**
Stddev	.00092	.00142	.00071	.00044	.00162
%RSD	67.693	1.4678	.31903	.08035	1.3371
#1	.00201	-.09560	.22078	.54802	.11993
#2	.00071	-.09760	.22178	.54740	.12222
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4631.3**	**63519.**	**4734.3**
Stddev	1.5	235.	10.0
%RSD	.03297	.37006	.21128
#1	4632.4	63353.	4741.4
#2	4630.2	63685.	4727.2

Sample Name: CCVH-1338467 Acquired: 4/2/2012 22:55:21 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**48.293**	**.00032**	**.00073**	**-.00061**	**.00012**	**.98076**	**.01881**	**-.00181**	**.00191**	**.00036**	**.00656**	**49.365**
Stddev	.00003	.005	.00021	.00084	.00062	.00004	.00179	.00196	.00011	.00011	.00010	.00020	.001
%RSD	7.6771	.01000	65.004	114.67	102.60	30.604	.18259	10.397	5.8226	5.5017	27.366	2.9817	.00113
#1	.00041	48.297	.00017	.00132	-.00017	.00010	.98203	.02019	-.00188	.00199	.00029	.00670	49.365
#2	.00046	48.290	.00046	.00014	-.00105	.00015	.97950	.01742	-.00173	.00184	.00043	.00642	49.365
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.10606**	**.00241**	**-.04973**	**-.00098**	**-.00145**	**254.36**	**.00181**	**.00479**	**.00110**	**5.3136**	**-.00619**	**-.00517**	**-.00434**
Stddev	.00435	.00110	.00064	.00004	.00005	.65	.00005	.00095	.00037	.0120	.00036	.00017	.00152
%RSD	4.0993	45.598	1.2931	4.1379	3.6408	.25393	2.4925	19.806	33.322	.22655	5.7882	3.2160	35.110
#1	-.10914	.00163	-.05018	-.00101	-.00141	254.82	.00184	.00546	.00136	5.3051	-.00644	-.00528	-.00542
#2	-.10299	.00318	-.04927	-.00096	-.00149	253.91	.00177	.00412	.00084	5.3221	-.00593	-.00505	-.00326
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00326**	**.00038**	**4.7745**	**.00246**	**.00304**	**9.8003**	**.00796**	**.00216**	**-.01962**
Stddev	.00082	.00004	.0042	.00022	.00145	.0015	.00036	.00034	.00046
%RSD	25.231	11.336	.08833	9.0286	47.768	.01577	4.5306	15.482	2.3481
#1	.00268	.00035	4.7774	.00261	.00201	9.7992	.00822	.00193	-.01995
#2	.00384	.00042	4.7715	.00230	.00406	9.8014	.00771	.00240	-.01929
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4366.8**	**60649.**	**4330.4**
Stddev	3.4	99.	2.7
%RSD	.07838	.16312	.06185
#1	4369.2	60579.	4332.3
#2	4364.4	60719.	4328.5

Sample Name: CCV-1338469 Acquired: 4/2/2012 22:57:51 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49619**	F **.56304**	**1.0490**	**.52541**	**.49839**	**.49981**	**-.00047**	**4.9965**	**.51853**	**.50064**	**.49241**	**.52657**
Stddev	.00010	.00432	.0012	.00004	.00094	.00209	.00209	.0213	.00024	.00065	.00036	.00085
%RSD	.01944	.76708	.11278	.00730	.18897	.41813	440.49	.42656	.04585	.12957	.07218	.16088
#1	.49626	.55998	1.0482	.52538	.49906	.50129	-.00195	5.0116	.51836	.50110	.49216	.52597
#2	.49612	.56609	1.0499	.52544	.49772	.49833	.00100	4.9814	.51870	.50018	.49266	.52716
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4601**	**52.765**	**1.0374**	**20.895**	**.50045**	**.49943**	**5.1458**	**.51872**	**1.0540**	**1.0304**	**.00469**	**1.0577**
Stddev	.0110	.140	.0040	.011	.00006	.00056	.0135	.00037	.0005	.0021	.00385	.0025
%RSD	.44550	.26566	.38869	.05136	.01218	.11205	.26297	.07098	.04905	.20785	82.069	.23441
#1	2.4679	52.864	1.0402	20.887	.50049	.49903	5.1554	.51846	1.0544	1.0319	.00197	1.0559
#2	2.4524	52.666	1.0345	20.903	.50041	.49982	5.1363	.51898	1.0537	1.0289	.00742	1.0594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0902**	**5.0242**	**.96003**	**.52009**	**-.00585**	**.48379**	**1.0573**	**-.01361**	**.47700**	**.50286**	**.49518**
Stddev	.0054	.0340	.00068	.00097	.00033	.00107	.0005	.01810	.00053	.00140	.00357
%RSD	.49563	.67617	.07066	.18720	5.6204	.22016	.04882	132.97	.11138	.27764	.72033
#1	1.0940	5.0482	.95955	.52078	-.00562	.48304	1.0576	-.00081	.47738	.50385	.49770
#2	1.0864	5.0002	.96051	.51940	-.00608	.48454	1.0569	-.02642	.47662	.50187	.49266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4430.3**	**62208.**	**4353.7**
Stddev	3.1	54.	11.6
%RSD	.06904	.08727	.26534
#1	4432.5	62247.	4345.5
#2	4428.2	62170.	4361.9

Sample Name: CCB Acquired: 4/2/2012 23:00:14 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00120**	**-.00018**	**.00161**	**-.00011**	W **-.00084**	**.00020**	**-.00574**	**.00607**	**.00040**	**-.00036**
Stddev	.00009	.00015	.00437	.00034	.00020	.00005	.00004	.00015	.00011	.00013
%RSD	7.1176	87.174	271.81	311.44	23.411	23.466	.61697	2.5030	28.399	35.170
#1	-.00114	-.00007	-.00148	.00013	-.00098	.00023	-.00571	.00618	.00048	-.00027
#2	-.00126	-.00028	.00470	-.00035	-.00070	.00017	-.00576	.00597	.00032	-.00045
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	W **.00253**	**.00245**	**-.06645**	**.00203**	W **-.01981**	F **-.00058**	**.00033**	F **.12888**	**.00008**
Stddev	.00025	.00047	.00003	.03807	.00416	.00089	.00001	.00037	.00245	.00008
%RSD	71.924	18.626	1.1860	57.286	205.27	4.4677	1.9201	110.40	1.9039	97.830
#1	.00052	.00219	.00247	-.09336	-.00091	-.01918	-.00057	.00007	.13062	.00014
#2	.00017	.00286	.00243	-.03953	.00497	-.02044	-.00059	.00059	.12715	.00003
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00051		.10000	
Low Limit		-.00136				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00169**	**.00157**	**.00242**	W **.00448**	W **-.00773**	**-.01666**	**.00046**	**.00020**	**-.00656**	**-.00040**
Stddev	.00019	.00004	.00433	.00025	.00082	.00815	.00098	.00009	.00078	.00001
%RSD	11.302	2.5429	179.09	5.5932	10.656	48.901	214.51	44.450	11.922	3.1652
#1	-.00155	.00154	.00548	.00430	-.00715	-.01090	.00115	.00013	-.00601	-.00039
#2	-.00182	.00160	-.00064	.00466	-.00832	-.02242	-.00024	.00026	-.00711	-.00041
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00693**	**-.00080**	**.00122**	**-.00018**
Stddev	.00004	.01093	.00017	.00013	.00228
%RSD	99.244	157.63	21.537	10.627	1298.6
#1	.00007	.00079	-.00092	.00113	-.00179
#2	.00001	-.01466	-.00068	.00131	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4386.5**	**62702.**	**4298.9**
Stddev	2.9	105.	35.5
%RSD	.06694	.16729	.82552
#1	4384.4	62627.	4273.8
#2	4388.5	62776.	4323.9

Sample Name: CCVL1341782 Acquired: 4/2/2012 23:02:49 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00891**	**.11548**	**.01625**	**.10410**	**.00914**	**.00111**	**.10711**	**.20400**	**.00540**	**.00989**	**.01000**
Stddev	.00069	.00031	.00177	.00009	.00013	.00001	.00375	.00221	.00007	.00023	.00013
%RSD	7.6988	.26894	10.886	.08654	1.4713	1.3508	3.4991	1.0851	1.2613	2.3518	1.3088
#1	.00842	.11570	.01500	.10404	.00905	.00112	.10446	.20244	.00535	.01006	.00990
#2	.00939	.11526	.01750	.10416	.00924	.00110	.10976	.20557	.00545	.00973	.01009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01883**	**.09801**	**3.0740**	**.01153**	**.19236**	**.00988**	**.02009**	**1.1440**	**.04300**	**3.1167**	**.00929**
Stddev	.00065	.00100	.0061	.00110	.00155	.00004	.00006	.0043	.00018	.0096	.00012
%RSD	3.4597	1.0193	.19879	9.5213	.80620	.42177	.31334	.37936	.40899	.30682	1.2396
#1	.01929	.09871	3.0696	.01231	.19126	.00985	.02005	1.1410	.04288	3.1099	.00937
#2	.01837	.09730	3.0783	.01076	.19346	.00991	.02014	1.1471	.04313	3.1235	.00921
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00356**	**.01056**	F **.00895**	**.50281**	**.09960**	**.01066**	F **.00829**	**.00903**	**.01563**	F **.03664**	**.00921**
Stddev	.00158	.00119	.00005	.00021	.00038	.00005	.00035	.00009	.00108	.02350	.00009
%RSD	44.259	11.292	.53392	.04098	.38632	.50425	4.2662	.96729	6.8974	64.144	.95943
#1	.00467	.01141	.00892	.50296	.09987	.01070	.00804	.00909	.01639	.02002	.00915
#2	.00245	.00972	.00898	.50267	.09933	.01062	.00854	.00897	.01487	.05326	.00927
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			.01500				.01500			.06000	
Range			-30.000%				-30.000%			-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02237**	**.01529**
Stddev	.00003	.00231
%RSD	.15359	15.104
#1	.02234	.01366
#2	.02239	.01693
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4452.3**	**63373.**	**4350.5**
Stddev	6.2	158.	15.8
%RSD	.13916	.24977	.36419
#1	4456.7	63261.	4361.7
#2	4447.9	63485.	4339.3

Sample Name: 280-27175-a-1-a Acquired: 4/2/2012 23:05:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00268**	**121.77**	**.04867**	**.56702**	**5.3144**	**.00537**	**-.00073**	**245.20**	**.00247**	**.03809**
Stddev	.00003	.50	.00634	.00015	.0230	.00005	.00218	.06	.00004	.00004
%RSD	.94699	.41201	13.019	.02676	.43352	.98192	298.99	.02357	1.4925	.09835
#1	-.00266	121.42	.04419	.56692	5.2981	.00540	-.00227	245.24	.00244	.03811
#2	-.00270	122.13	.05315	.56713	5.3307	.00533	.00081	245.16	.00249	.03806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56313**	**.28307**	**83.050**	**13.812**	**.11416**	**41.747**	**1.2296**	**.00970**	**7.8146**	**.08274**
Stddev	.00059	.00093	.478	.069	.00031	.119	.0035	.00024	.0352	.00010
%RSD	.10467	.32683	.57534	.49973	.26913	.28481	.28422	2.4336	.44991	.12048
#1	.56354	.28372	82.713	13.763	.11394	41.831	1.2320	.00987	7.7898	.08267
#2	.56271	.28242	83.388	13.860	.11438	41.663	1.2271	.00953	7.8395	.08281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1344**	**.10962**	**34.668**	**-.00136**	**.03197**	**2.7224**	**.00164**	**3.3119**	**.05272**	**6.3355**
Stddev	.0144	.00043	.081	.00051	.00097	.0273	.00131	.0143	.00048	.0120
%RSD	.20164	.38972	.23506	37.624	3.0361	1.0027	79.505	.43262	.91943	.18972
#1	7.1243	.10932	34.610	-.00100	.03128	2.7031	.00257	3.3018	.05238	6.3440
#2	7.1446	.10992	34.726	-.00173	.03265	2.7417	.00072	3.3220	.05307	6.3270
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00527**	F **-.10259**	**.31653**	**.55105**	**.20284**
Stddev	.00222	.03632	.00015	.00232	.00009
%RSD	42.164	35.404	.04631	.42066	.04439
#1	.00370	-.07691	.31663	.55269	.20278
#2	.00684	-.12827	.31642	.54941	.20291
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4713.1**	**63972.**	**4783.6**
Stddev	25.5	94.	3.2
%RSD	.54133	.14743	.06780
#1	4695.0	63905.	4785.9
#2	4731.1	64038.	4781.3

Sample Name: 280-27175-a-2-a Acquired: 4/2/2012 23:07:55 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00202**	**112.43**	**.04025**	**.37178**	**4.0903**	**.00547**	**-.00064**	**218.59**	**.00219**	**.03529**
Stddev	.00002	.19	.00365	.00059	.0058	.00004	.00087	.39	.00006	.00033
%RSD	.77540	.17309	9.0610	.15942	.14091	.71072	136.59	.18046	2.7594	.92614
#1	-.00201	112.29	.04283	.37220	4.0862	.00544	-.00125	218.31	.00215	.03552
#2	-.00204	112.56	.03767	.37136	4.0944	.00549	-.00002	218.87	.00223	.03506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39102**	**.21091**	**85.448**	**15.850**	**.12527**	**38.983**	**1.4072**	**.00686**	**6.1330**	**.07387**
Stddev	.00021	.00029	.256	.040	.00069	.061	.0001	.00018	.0278	.00020
%RSD	.05425	.13532	.29909	.24931	.55306	.15704	.00867	2.5655	.45344	.26780
#1	.39117	.21071	85.267	15.822	.12478	39.027	1.4071	.00698	6.1134	.07401
#2	.39087	.21111	85.629	15.878	.12576	38.940	1.4073	.00673	6.1527	.07373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6257**	**.11232**	**21.330**	**-.00130**	**.01888**	**4.3415**	**.00451**	**2.2999**	**.04712**	**5.4292**
Stddev	.0050	.00003	.048	.00002	.00165	.0276	.00065	.0029	.00071	.0038
%RSD	.08950	.02378	.22724	1.3585	8.7491	.63666	14.322	.12451	1.5038	.06984
#1	5.6293	.11230	21.364	-.00131	.02005	4.3219	.00497	2.2978	.04662	5.4319
#2	5.6221	.11234	21.296	-.00128	.01771	4.3610	.00405	2.3019	.04762	5.4265
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00331**	W **-.08171**	**.28877**	**.45192**	**.18155**
Stddev	.00154	.01319	.00029	.00091	.00274
%RSD	46.571	16.140	.09981	.20087	1.5068
#1	.00440	-.09103	.28898	.45256	.17962
#2	.00222	-.07238	.28857	.45128	.18349
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4727.4**	**64638.**	**4867.1**
Stddev	3.5	90.	11.2
%RSD	.07416	.13989	.23045
#1	4724.9	64574.	4875.1
#2	4729.9	64702.	4859.2

Sample Name: 280-27175-a-3-a Acquired: 4/2/2012 23:10:19 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00252**	**83.070**	**.03736**	**.23738**	**3.1682**	**.00431**	**-.00396**	**170.66**	**.00191**	**.02780**
Stddev	.00047	.035	.00386	.00013	.0013	.00000	.00133	.04	.00018	.00001
%RSD	18.792	.04157	10.333	.05279	.04032	.03646	33.672	.02253	9.4596	.05343
#1	-.00285	83.094	.03463	.23729	3.1673	.00431	-.00490	170.63	.00178	.02779
#2	-.00218	83.045	.04009	.23747	3.1691	.00431	-.00301	170.69	.00204	.02781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23619**	**.16411**	**68.496**	**12.904**	**.09858**	**28.706**	**1.2189**	**.00475**	**4.4826**	**.05666**
Stddev	.00033	.00130	.068	.020	.00159	.112	.0039	.00017	.0045	.00017
%RSD	.13802	.79484	.09992	.15501	1.6131	.38849	.31673	3.5395	.10101	.29767
#1	.23596	.16318	68.545	12.919	.09745	28.627	1.2162	.00487	4.4794	.05678
#2	.23642	.16503	68.448	12.890	.09970	28.785	1.2217	.00463	4.4858	.05654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4197**	**.12032**	**15.111**	**.00050**	**.01386**	**4.1756**	**.00668**	**1.6364**	**.03534**	**3.9235**
Stddev	.0006	.00227	.019	.00141	.00502	.0092	.00105	.0001	.00037	.0129
%RSD	.01288	1.8853	.12754	282.69	36.215	.21945	15.710	.00871	1.0539	.32875
#1	4.4193	.11871	15.124	.00149	.01031	4.1821	.00594	1.6365	.03560	3.9144
#2	4.4201	.12192	15.097	-.00050	.01741	4.1692	.00742	1.6363	.03507	3.9326
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	W **-.06241**	**.21930**	**.35488**	**.13514**
Stddev	.00006	.03038	.00056	.00017	.00100
%RSD	5.2909	48.671	.25517	.04911	.74269
#1	.00121	-.08390	.21891	.35500	.13443
#2	.00113	-.04093	.21970	.35475	.13584
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4689.2**	**64313.**	**4809.3**
Stddev	2.7	240.	2.3
%RSD	.05864	.37363	.04867
#1	4691.1	64483.	4810.9
#2	4687.2	64144.	4807.6

Sample Name: 280-27175-a-4-a Acquired: 4/2/2012 23:12:44 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00259**	**55.431**	**.02316**	**.03301**	**.44567**	**.00447**	**-.00542**	**47.243**	**.00072**	**.02715**
Stddev	.00032	.170	.00118	.00000	.00053	.00001	.00076	.014	.00005	.00019
%RSD	12.352	.30581	5.0974	.01259	.11967	.20276	14.037	.02985	6.3668	.70946
#1	-.00236	55.311	.02232	.03302	.44530	.00446	-.00488	47.233	.00075	.02729
#2	-.00281	55.551	.02399	.03301	.44605	.00448	-.00596	47.253	.00069	.02702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05126**	**.03356**	**59.874**	**9.7513**	**.07955**	**23.572**	**1.5391**	**.00074**	**2.0632**	**.03586**
Stddev	.00013	.00081	.090	.0125	.00228	.022	.0020	.00004	.0056	.00001
%RSD	.25318	2.4069	.15049	.12773	2.8618	.09505	.13285	6.0420	.27298	.03109
#1	.05117	.03299	59.938	9.7601	.08116	23.556	1.5377	.00077	2.0592	.03586
#2	.05135	.03413	59.811	9.7425	.07794	23.588	1.5406	.00071	2.0672	.03587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1851**	**.05800**	**.87077**	**-.00045**	W **-.00687**	**2.9185**	**.00220**	**.33151**	**.02983**	**1.5358**
Stddev	.0001	.00085	.00765	.00261	.00349	.0272	.00099	.00047	.00111	.0011
%RSD	.01082	1.4627	.87801	575.27	50.776	.93300	45.173	.14132	3.7072	.06916
#1	1.1852	.05860	.87618	.00139	-.00934	2.9378	.00149	.33118	.03061	1.5351
#2	1.1850	.05740	.86537	-.00230	-.00440	2.8993	.00290	.33184	.02904	1.5366
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	W **-.07663**	**.16598**	**.30238**	**.07840**
Stddev	.00139	.03542	.00066	.00049	.00122
%RSD	110.93	46.218	.39664	.16338	1.5615
#1	-.00027	-.10167	.16552	.30203	.07754
#2	-.00224	-.05159	.16645	.30273	.07927
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4654.5**	**64609.**	**4663.3**
Stddev	9.4	143.	3.4
%RSD	.20206	.22118	.07274
#1	4661.2	64508.	4665.7
#2	4647.9	64710.	4660.9

Sample Name: 280-27175-a-5-a Acquired: 4/2/2012 23:15:15 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00247**	**104.87**	**.04114**	**.29420**	**3.8559**	**.00502**	**-.00353**	**211.72**	**.00219**	**.04394**
Stddev	.00013	.04	.00262	.00038	.0044	.00012	.00290	.16	.00013	.00010
%RSD	5.1336	.04203	6.3755	.12776	.11351	2.3688	82.208	.07757	5.9794	.22615
#1	-.00256	104.90	.03929	.29394	3.8590	.00510	-.00148	211.83	.00229	.04387
#2	-.00238	104.84	.04300	.29447	3.8528	.00493	-.00557	211.60	.00210	.04401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36310**	**.18220**	**92.419**	**16.095**	**.12924**	**39.819**	**1.5503**	**.00629**	**5.2171**	**.07476**
Stddev	.00088	.00003	.181	.052	.00032	.043	.0004	.00023	.0182	.00004
%RSD	.24359	.01577	.19637	.32090	.24984	.10739	.02781	3.5978	.34910	.05488
#1	.36248	.18218	92.547	16.131	.12901	39.850	1.5506	.00645	5.2299	.07479
#2	.36373	.18222	92.291	16.058	.12946	39.789	1.5500	.00613	5.2042	.07473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.5192**	**.13247**	**20.379**	**.00005**	**.01468**	**4.5957**	**.00439**	**1.8834**	**.05086**	**5.6559**
Stddev	.0158	.00011	.015	.00274	.00529	.0144	.00017	.0006	.00108	.0074
%RSD	.28694	.08124	.07588	6074.0	36.014	.31445	3.7753	.03374	2.1215	.13061
#1	5.5304	.13254	20.368	.00198	.01094	4.5855	.00451	1.8839	.05162	5.6611
#2	5.5080	.13239	20.390	-.00189	.01842	4.6059	.00427	1.8830	.05010	5.6506
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	F **-.10710**	**.28246**	**.47546**	**.17180**
Stddev	.00140	.00917	.00000	.00058	.00192
%RSD	51.411	8.5663	.00069	.12247	1.1191
#1	.00173	-.11359	.28246	.47587	.17316
#2	.00370	-.10061	.28246	.47505	.17044
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4730.4**	**64865.**	**4871.2**
Stddev	4.1	19.	7.9
%RSD	.08587	.02928	.16305
#1	4727.5	64878.	4865.6
#2	4733.3	64852.	4876.8

Sample Name: 280-27175-a-6-a Acquired: 4/2/2012 23:17:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00189**	**88.231**	**.03493**	**.11529**	**1.9766**	**.00477**	**-.00255**	**178.29**	**.00153**	**.03159**
Stddev	.00013	.297	.00047	.00026	.0043	.00003	.00250	.50	.00011	.00015
%RSD	7.1220	.33713	1.3384	.22422	.21678	.57911	97.949	.28196	7.0966	.46828
#1	-.00179	88.020	.03459	.11547	1.9736	.00476	-.00432	177.94	.00145	.03149
#2	-.00198	88.441	.03526	.11511	1.9797	.00479	-.00078	178.65	.00160	.03170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18642**	**.11164**	**79.982**	**14.580**	**.11367**	**33.058**	**1.5354**	**.00547**	**3.1364**	**.05650**
Stddev	.00007	.00003	.269	.040	.00011	.054	.0026	.00008	.0207	.00093
%RSD	.03681	.02650	.33578	.27412	.09370	.16212	.16767	1.3900	.66093	1.6433
#1	.18646	.11166	79.793	14.552	.11375	33.020	1.5336	.00542	3.1217	.05716
#2	.18637	.11162	80.172	14.608	.11360	33.096	1.5372	.00552	3.1510	.05584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1621**	**.09631**	**10.925**	**-.00033**	**.00985**	**3.9829**	**.00351**	**.99799**	**.03938**	**3.1900**
Stddev	.0067	.00166	.018	.00075	.00287	.0364	.00012	.00171	.00081	.0047
%RSD	.21077	1.7192	.16216	230.66	29.134	.91270	3.3016	.17085	2.0669	.14899
#1	3.1669	.09514	10.938	.00021	.01188	3.9572	.00343	.99678	.03996	3.1866
#2	3.1574	.09748	10.913	-.00086	.00782	4.0086	.00359	.99920	.03881	3.1933
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	W **-.08396**	**.22981**	**.42896**	**.12898**
Stddev	.00115	.00108	.00098	.00125	.00022
%RSD	53.573	1.2848	.42850	.29210	.17073
#1	.00134	-.08472	.22912	.42808	.12883
#2	.00297	-.08320	.23051	.42985	.12914
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4609.7**	**63672.**	**4715.2**
Stddev	2.0	82.	15.8
%RSD	.04263	.12906	.33524
#1	4611.1	63731.	4726.3
#2	4608.3	63614.	4704.0

Sample Name: CCVH-1338467 Acquired: 4/2/2012 23:20:10 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**48.389**	**-.00275**	**.00000**	**-.00035**	**.00000**	**.99697**	**.01399**	**-.00165**	**.00192**	**.00025**	**.00525**	**48.950**
Stddev	.00056	.066	.00236	.00060	.00005	.0000	.00192	.00402	.00003	.00011	.00001	.00025	.059
%RSD	60.995	.13634	85.784	729900.	14.514	714.69	.19237	28.709	1.8967	5.9862	3.3077	4.6828	.12032
#1	.00052	48.436	-.00108	.00042	-.00038	.00001	.99833	.01683	-.00163	.00200	.00025	.00508	48.908
#2	.00132	48.342	-.00442	-.00042	-.00031	-.00002	.99562	.01115	-.00167	.00183	.00024	.00543	48.992
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.11063**	**.00246**	**-.04417**	**-.00098**	**-.00133**	**254.19**	**.00205**	**.00301**	**.00134**	**5.2841**	**-.00555**	**-.00157**	**-.00180**
Stddev	.00089	.00255	.00197	.00006	.00012	.42	.00010	.00109	.00222	.0163	.00060	.00225	.01452
%RSD	.80201	103.72	4.4607	6.1174	8.9169	.16446	4.7437	36.368	165.63	.30826	10.753	143.00	807.13
#1	-.11000	.00426	-.04556	-.00094	-.00141	254.49	.00198	.00223	-.00023	5.2726	-.00597	-.00316	-.01206
#2	-.11126	.00065	-.04277	-.00103	-.00125	253.90	.00211	.00378	.00291	5.2957	-.00513	.00002	.00847
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00343**	**.00042**	**4.8062**	**.00308**	**.00184**	**9.8155**	**.00722**	**.00211**	**-.02433**
Stddev	.00042	.00003	.0168	.00004	.00032	.0340	.00013	.00037	.00059
%RSD	12.264	7.8067	.34875	1.1606	17.366	.34605	1.8698	17.701	2.4130
#1	.00314	.00044	4.7944	.00310	.00161	9.7915	.00731	.00184	-.02475
#2	.00373	.00039	4.8181	.00305	.00207	9.8395	.00712	.00237	-.02392
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4358.2**	**60691.**	**4361.6**
Stddev	10.0	214.	10.0
%RSD	.22853	.35254	.22994
#1	4365.2	60842.	4368.7
#2	4351.2	60540.	4354.5

Sample Name: CCV-1338469 Acquired: 4/2/2012 23:22:41 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50272**	F **.55717**	**1.0412**	**.52448**	**.49845**	**.49725**	**.00115**	**4.9722**	**.52035**	**.50071**	**.49289**	**.52804**
Stddev	.00146	.00176	.0060	.00023	.00120	.00176	.00308	.0301	.00002	.00016	.00053	.00176
%RSD	.29064	.31645	.58015	.04308	.24085	.35480	266.32	.60616	.00447	.03258	.10714	.33353
#1	.50375	.55593	1.0455	.52432	.49760	.49600	.00333	4.9508	.52033	.50059	.49326	.52928
#2	.50168	.55842	1.0369	.52464	.49930	.49850	-.00102	4.9935	.52036	.50082	.49251	.52679
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4311**	**52.154**	**1.0280**	**20.812**	**.49847**	**.49825**	**5.1132**	**.51614**	**1.0574**	**1.0282**	**.00297**	**1.0557**
Stddev	.0148	.189	.0032	.028	.00020	.00010	.0140	.00040	.0004	.0001	.00014	.0030
%RSD	.60725	.36265	.31631	.13691	.03917	.01933	.27379	.07822	.03377	.01105	4.7009	.28319
#1	2.4207	52.021	1.0257	20.832	.49861	.49832	5.1231	.51586	1.0571	1.0282	.00287	1.0578
#2	2.4416	52.288	1.0303	20.791	.49833	.49818	5.1033	.51643	1.0576	1.0283	.00307	1.0536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0841**	**4.9758**	**.97013**	**.51643**	**-.00676**	**.48509**	**1.0563**	**.01336**	**.47831**	**.49824**	**.49778**
Stddev	.0029	.0110	.00220	.00151	.00010	.00015	.0003	.00240	.00046	.00134	.00085
%RSD	.26971	.22005	.22649	.29285	1.5063	.03128	.02374	17.936	.09626	.26919	.17085
#1	1.0820	4.9680	.97168	.51536	-.00684	.48499	1.0565	.01166	.47798	.49919	.49718
#2	1.0862	4.9835	.96857	.51750	-.00669	.48520	1.0561	.01505	.47863	.49729	.49838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4414.3**	**61853.**	**4366.5**
Stddev	1.7	8.	16.4
%RSD	.03784	.01241	.37558
#1	4413.1	61847.	4354.9
#2	4415.5	61858.	4378.1

Sample Name: CCB Acquired: 4/2/2012 23:25:04 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00141**	**-.00094**	**.00294**	**-.00006**	W **-.00085**	**.00004**	**-.00236**	**.00698**	**.00026**	**-.00009**
Stddev	.00016	.00133	.00116	.00013	.00016	.00000	.00199	.00258	.00001	.00008
%RSD	11.336	141.27	39.654	215.46	19.329	9.9084	84.366	37.001	5.2763	86.843
#1	-.00130	-.00189	.00376	.00003	-.00073	.00005	-.00376	.00515	.00025	-.00003
#2	-.00153	.00000	.00211	-.00015	-.00096	.00004	-.00095	.00880	.00027	-.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	W **.00220**	**-.00085**	**-.16856**	**.00230**	F **-.02205**	F **-.00056**	**.00061**	F **.10302**	**-.00009**
Stddev	.00002	.00006	.00118	.00068	.00072	.00519	.00000	.00034	.01041	.00017
%RSD	5.3930	2.7706	137.74	.40381	31.127	23.557	.80829	55.235	10.107	186.62
#1	.00045	.00216	-.00002	-.16904	.00281	-.01838	-.00056	.00037	.11038	-.00021
#2	.00041	.00225	-.00169	-.16808	.00179	-.02572	-.00056	.00084	.09565	.00003
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.02140	.00051		.10000	
Low Limit		-.00136				-.02140	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00021**	**-.00425**	W **.00546**	**-.00458**	**.00900**	**-.00021**	**.00007**	**-.00838**	**-.00028**
Stddev	.00068	.00036	.00341	.00002	.00377	.00300	.00032	.00003	.00200	.00031
%RSD	329.17	174.72	80.071	.35200	82.401	33.358	150.48	50.587	23.859	109.70
#1	-.00027	-.00046	-.00185	.00548	-.00725	.00688	-.00043	.00004	-.00696	-.00006
#2	.00069	.00005	-.00666	.00545	-.00191	.01112	.00001	.00009	-.00979	-.00050
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.03274**	**-.00056**	**.00142**	**.00173**
Stddev	.00166	.00624	.00004	.00041	.00129
%RSD	1474.9	19.063	7.9683	28.623	74.453
#1	-.00129	-.02832	-.00059	.00171	.00082
#2	.00106	-.03715	-.00053	.00114	.00265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4379.7**	**62421.**	**4319.4**
Stddev	3.0	122.	40.4
%RSD	.06839	.19531	.93636
#1	4381.8	62335.	4348.0
#2	4377.6	62507.	4290.8

Sample Name: CCVL1341782 Acquired: 4/2/2012 23:27:40 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00891**	**.11812**	**.01714**	**.10414**	**.00915**	**.00097**	**.11199**	**.20050**	**.00548**	**.01019**	**.00986**
Stddev	.00049	.00342	.00360	.00105	.00002	.00006	.00002	.00367	.00002	.00008	.00005
%RSD	5.5393	2.8976	21.011	1.0082	.20602	5.9802	.01789	1.8306	.38528	.77410	.54570
#1	.00926	.11570	.01969	.10488	.00916	.00101	.11200	.20310	.00550	.01024	.00983
#2	.00856	.12054	.01459	.10340	.00914	.00093	.11198	.19791	.00547	.01013	.00990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01873**	**.09380**	**2.9673**	W **.01209**	**.19472**	**.00992**	**.01998**	**1.1057**	**.04257**	**3.1295**	**.00959**
Stddev	.00042	.00175	.0380	.00055	.00224	.00003	.00002	.0099	.00019	.0043	.00029
%RSD	2.2688	1.8684	1.2810	4.5132	1.1478	.25473	.12387	.89314	.44144	.13783	2.9965
#1	.01843	.09256	2.9942	.01248	.19314	.00994	.01996	1.0987	.04244	3.1325	.00979
#2	.01903	.09504	2.9404	.01170	.19630	.00990	.02000	1.1127	.04270	3.1264	.00939
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00477**	W **.01231**	**.01468**	**.50893**	**.10072**	**.01061**	F **.00755**	**.00937**	**.01514**	**.04921**	**.00905**
Stddev	.00110	.00066	.00147	.00584	.00023	.00002	.00145	.00038	.00215	.02797	.00024
%RSD	23.163	5.3385	9.9925	1.1484	.22664	.16208	19.248	4.1040	14.172	56.842	2.6885
#1	-.00555	.01278	.01571	.51307	.10056	.01063	.00858	.00964	.01665	.02943	.00922
#2	-.00399	.01185	.01364	.50480	.10088	.01060	.00652	.00910	.01362	.06899	.00888
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000					.01500				
Range		20.000%					-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02153**	**.01485**
Stddev	.00019	.00016
%RSD	.88575	1.0782
#1	.02166	.01496
#2	.02139	.01474
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4456.8**	**63358.**	**4376.1**
Stddev	11.8	234.	12.8
%RSD	.26377	.36989	.29320
#1	4448.5	63193.	4385.1
#2	4465.1	63524.	4367.0

Sample Name: 280-27175-a-7-a Acquired: 4/2/2012 23:30:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00214**	**92.521**	**.03082**	**.11680**	**2.3316**	**.00494**	**-.00468**	**142.18**	**.00128**	**.03369**
Stddev	.00005	.079	.00266	.00017	.0023	.00007	.00037	.20	.00033	.00007
%RSD	2.4399	.08496	8.6204	.14754	.09685	1.4807	7.9732	.14190	25.872	.20919
#1	-.00218	92.576	.03270	.11668	2.3332	.00499	-.00442	142.32	.00105	.03374
#2	-.00211	92.465	.02895	.11692	2.3300	.00489	-.00495	142.04	.00151	.03364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19181**	**.11846**	**84.040**	**15.392**	**.12141**	**34.961**	**1.4150**	**.00429**	**3.0675**	**.05661**
Stddev	.00021	.00015	.031	.018	.00017	.062	.0021	.00001	.0001	.00003
%RSD	.10920	.12600	.03723	.11901	.13817	.17820	.15158	.30949	.00357	.05904
#1	.19167	.11857	84.062	15.379	.12153	34.917	1.4135	.00429	3.0676	.05664
#2	.19196	.11836	84.017	15.405	.12130	35.005	1.4165	.00430	3.0674	.05659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3472**	**.09693**	**11.688**	**-.00039**	**.00339**	**3.5366**	**.00385**	**1.0343**	**.06139**	**3.2745**
Stddev	.0056	.00043	.014	.00008	.00263	.0039	.00114	.0014	.00020	.0034
%RSD	.16804	.43913	.12325	19.566	77.707	.10903	29.542	.13504	.32635	.10400
#1	3.3432	.09663	11.678	-.00045	.00525	3.5339	.00305	1.0353	.06125	3.2721
#2	3.3512	.09723	11.698	-.00034	.00153	3.5393	.00466	1.0333	.06153	3.2769
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00255**	W **-.09298**	**.23424**	**.39358**	**.13051**
Stddev	.00101	.01323	.00041	.00103	.00286
%RSD	39.447	14.233	.17295	.26111	2.1935
#1	.00327	-.10234	.23452	.39285	.13254
#2	.00184	-.08362	.23395	.39431	.12849
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4640.9**	**64042.**	**4700.4**
Stddev	6.3	40.	8.9
%RSD	.13672	.06289	.18858
#1	4645.4	64070.	4694.1
#2	4636.4	64013.	4706.7

Sample Name: 280-27175-a-8-a Acquired: 4/2/2012 23:32:43 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**75.117**	**.02678**	**.10281**	**1.6504**	**.00402**	**-.00230**	**140.51**	**.00136**	**.02657**
Stddev	.00001	.183	.00093	.00061	.0040	.00010	.00186	.27	.00007	.00003
%RSD	.28488	.24412	3.4669	.58916	.24112	2.3882	80.789	.19564	4.9122	.09794
#1	-.00217	74.987	.02744	.10323	1.6476	.00408	-.00361	140.31	.00132	.02659
#2	-.00216	75.246	.02613	.10238	1.6532	.00395	-.00098	140.70	.00141	.02655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15573**	**.09400**	**68.658**	**12.469**	**.09603**	**28.421**	**1.2816**	**.00359**	**2.6590**	**.04608**
Stddev	.00019	.00024	.174	.060	.00138	.049	.0013	.00011	.0013	.00002
%RSD	.12024	.25323	.25304	.48337	1.4346	.17110	.10129	3.1387	.05055	.03596
#1	.15586	.09416	68.535	12.512	.09700	28.455	1.2825	.00351	2.6599	.04607
#2	.15560	.09383	68.781	12.427	.09505	28.386	1.2806	.00367	2.6580	.04610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6677**	**.08052**	**8.1827**	**-.00133**	**.00405**	**4.0144**	**.00536**	**.85178**	**.04007**	**2.7506**
Stddev	.0030	.00078	.0079	.00172	.00104	.0522	.00019	.00097	.00043	.0027
%RSD	.11359	.96812	.09692	128.95	25.665	1.3008	3.6101	.11403	1.0825	.09638
#1	2.6656	.08107	8.1883	-.00012	.00478	3.9775	.00522	.85109	.04038	2.7488
#2	2.6699	.07997	8.1771	-.00255	.00331	4.0513	.00549	.85247	.03977	2.7525
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	W **-.07943**	**.19950**	**.31723**	**.10971**
Stddev	.00024	.00386	.00104	.00063	.00181
%RSD	252.18	4.8638	.52099	.19759	1.6523
#1	-.00026	-.08216	.19876	.31679	.10843
#2	.00007	-.07670	.20023	.31767	.11099
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4576.1**	**63107.**	**4651.3**
Stddev	3.4	36.	17.5
%RSD	.07349	.05739	.37636
#1	4578.5	63081.	4663.7
#2	4573.7	63132.	4638.9

Sample Name: 280-27175-a-9-a Acquired: 4/2/2012 23:35:11 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00192**	**95.005**	**.03702**	**.17100**	**2.8051**	**.00508**	**-.00218**	**147.85**	**.00316**	**.03548**
Stddev	.00004	.301	.00126	.00010	.0026	.00001	.00060	.26	.00010	.00014
%RSD	2.2853	.31667	3.4051	.05791	.09152	.21214	27.356	.17619	3.2825	.38789
#1	-.00195	95.218	.03613	.17107	2.8070	.00509	-.00176	148.03	.00309	.03539
#2	-.00188	94.793	.03791	.17093	2.8033	.00507	-.00260	147.66	.00323	.03558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18857**	**.16666**	**80.280**	**14.242**	**.11191**	**34.283**	**1.4742**	**.00509**	**4.0367**	**.06113**
Stddev	.00020	.00142	.255	.050	.00049	.076	.0016	.00015	.0120	.00043
%RSD	.10606	.85372	.31748	.34821	.43711	.22064	.10690	2.9023	.29658	.70942
#1	.18871	.16565	80.460	14.277	.11156	34.230	1.4731	.00498	4.0452	.06082
#2	.18843	.16767	80.100	14.207	.11225	34.337	1.4753	.00519	4.0283	.06143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9267**	**.11041**	**11.183**	**-.00245**	**.00551**	**4.7147**	**.00523**	**1.3989**	**.04445**	**3.9415**
Stddev	.0047	.00097	.005	.00309	.00448	.0192	.00005	.0027	.00009	.0064
%RSD	.12093	.88265	.04852	126.01	81.219	.40720	.94244	.19439	.21095	.16158
#1	3.9234	.10972	11.186	-.00463	.00868	4.7283	.00527	1.4008	.04452	3.9370
#2	3.9301	.11110	11.179	-.00027	.00235	4.7012	.00520	1.3969	.04438	3.9460
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	W **-.09845**	**.25070**	**.35741**	**.14589**
Stddev	.00335	.01031	.00126	.00112	.00202
%RSD	165.84	10.475	.50293	.31354	1.3853
#1	.00439	-.10574	.24981	.35662	.14731
#2	-.00035	-.09116	.25159	.35820	.14446
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4640.3**	**63893.**	**4737.0**
Stddev	1.1	85.	4.7
%RSD	.02436	.13381	.09944
#1	4639.5	63833.	4733.6
#2	4641.1	63954.	4740.3

Sample Name: 280-27175-a-10-a Acquired: 4/2/2012 23:37:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00256**	**50.561**	**.02295**	**.07450**	**.54736**	**.00318**	**-.00402**	**33.995**	**.00108**	**.02448**
Stddev	.00036	.152	.00096	.00039	.00139	.00012	.00108	.075	.00001	.00003
%RSD	13.941	.29966	4.1769	.52655	.25447	3.7968	26.952	.21972	1.3137	.12867
#1	-.00231	50.454	.02227	.07478	.54638	.00327	-.00479	33.942	.00107	.02450
#2	-.00282	50.669	.02363	.07422	.54835	.00310	-.00326	34.047	.00109	.02446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06462**	**.05308**	**56.623**	**11.685**	**.06896**	**16.762**	**.72842**	**.00276**	**1.6955**	**.03948**
Stddev	.00038	.00059	.039	.011	.00075	.010	.00032	.00007	.0050	.00055
%RSD	.58050	1.1100	.06880	.09547	1.0931	.05920	.04455	2.6052	.29460	1.3984
#1	.06435	.05266	56.596	11.678	.06842	16.769	.72819	.00281	1.6990	.03909
#2	.06488	.05350	56.651	11.693	.06949	16.755	.72865	.00271	1.6920	.03987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3740**	**.05171**	**15.084**	**.00018**	**.01304**	**2.3923**	**.00381**	**.56206**	**.03663**	**1.6153**
Stddev	.0111	.00097	.055	.00036	.00099	.0225	.00039	.00123	.00049	.0005
%RSD	.46809	1.8780	.36605	197.28	7.6014	.93952	10.212	.21832	1.3408	.03267
#1	2.3662	.05240	15.045	-.00007	.01375	2.4082	.00353	.56119	.03697	1.6157
#2	2.3819	.05102	15.123	.00044	.01234	2.3764	.00408	.56293	.03628	1.6149
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	W **-.09046**	**.11624**	**.17556**	**.06233**
Stddev	.00034	.00935	.00075	.00043	.00194
%RSD	102.36	10.335	.64573	.24550	3.1128
#1	.00009	-.09707	.11677	.17525	.06370
#2	.00057	-.08385	.11571	.17586	.06096
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4736.2**	**65833.**	**4752.0**
Stddev	8.0	170.	22.9
%RSD	.16856	.25825	.48285
#1	4730.5	65713.	4768.3
#2	4741.8	65953.	4735.8

Sample Name: 280-27175-a-11-a Acquired: 4/2/2012 23:40:09 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**67.589**	**.05419**	**.14991**	**1.7242**	**.00537**	**-.00337**	**137.92**	**.00480**	**.04496**
Stddev	.00004	.258	.00176	.00038	.0058	.00007	.00058	.40	.00015	.00014
%RSD	3.0648	.38192	3.2509	.25389	.33827	1.3665	17.237	.29311	3.1117	.30833
#1	-.00125	67.406	.05294	.15018	1.7201	.00532	-.00378	137.64	.00469	.04505
#2	-.00131	67.771	.05543	.14964	1.7284	.00542	-.00296	138.21	.00491	.04486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13744**	**1.0939**	**122.16**	**14.722**	**.09021**	**25.437**	**2.7302**	**.00973**	**1.9949**	**.08600**
Stddev	.00060	.0004	.67	.049	.00152	.024	.0049	.00005	.0075	.00044
%RSD	.43729	.03924	.54481	.33292	1.6853	.09430	.17978	.46560	.37655	.50739
#1	.13702	1.0936	121.69	14.687	.08914	25.454	2.7337	.00976	1.9896	.08569
#2	.13787	1.0942	122.63	14.756	.09129	25.420	2.7267	.00969	2.0002	.08631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6879**	**1.6499**	**5.6190**	**.03051**	W **-.00646**	**9.1974**	**.09868**	**.68685**	**.05762**	**2.6608**
Stddev	.0062	.0059	.0030	.00048	.00589	.0261	.00115	.00236	.00111	.0033
%RSD	.16710	.36014	.05298	1.5616	91.219	.28329	1.1604	.34411	1.9237	.12338
#1	3.6836	1.6457	5.6169	.03085	-.00229	9.1790	.09787	.68518	.05840	2.6631
#2	3.6923	1.6541	5.6211	.03018	-.01063	9.2159	.09949	.68853	.05683	2.6585
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	W **-.08966**	**.23003**	**1.5026**	**.12636**
Stddev	.00232	.01334	.00039	.0061	.00189
%RSD	500.89	14.880	.16785	.40565	1.4934
#1	.00118	-.09909	.23031	1.5069	.12769
#2	-.00211	-.08023	.22976	1.4983	.12502
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4661.6**	**64520.**	**4801.6**
Stddev	16.2	362.	6.6
%RSD	.34755	.56108	.13819
#1	4673.1	64264.	4806.3
#2	4650.2	64776.	4796.9

Sample Name: 280-27175-a-12-a Acquired: 4/2/2012 23:42:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00233**	**129.67**	**.04519**	**.60060**	**5.7419**	**.00565**	**.00012**	**242.08**	**.00251**	**.04095**
Stddev	.00026	.40	.00280	.00247	.0173	.00000	.00183	1.22	.00015	.00010
%RSD	11.011	.31086	6.1875	.41179	.30082	.02782	1566.2	.50253	5.8245	.25606
#1	-.00215	129.39	.04717	.59886	5.7296	.00565	-.00118	242.94	.00240	.04102
#2	-.00252	129.96	.04321	.60235	5.7541	.00565	.00141	241.22	.00261	.04087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60873**	**.30030**	**89.066**	**14.866**	**.11917**	**44.103**	**1.3817**	**.01002**	**7.8870**	**.08837**
Stddev	.00117	.00034	.274	.071	.00119	.001	.0004	.00026	.0248	.00060
%RSD	.19161	.11404	.30799	.47628	1.0023	.00141	.03119	2.5959	.31456	.67567
#1	.60790	.30005	88.872	14.816	.11833	44.104	1.3814	.00984	7.8694	.08795
#2	.60955	.30054	89.260	14.916	.12002	44.103	1.3820	.01020	7.9045	.08879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.4426**	**.11583**	**37.193**	**.00081**	**.03083**	**2.9041**	**.00215**	**3.3902**	**.04730**	**6.9203**
Stddev	.0076	.00090	.086	.00102	.00364	.0186	.00063	.0099	.00028	.0059
%RSD	.10202	.77359	.23088	126.97	11.813	.63930	29.503	.29283	.59982	.08568
#1	7.4372	.11646	37.132	.00008	.03341	2.9172	.00260	3.3832	.04710	6.9245
#2	7.4480	.11520	37.253	.00153	.02826	2.8909	.00170	3.3973	.04750	6.9161
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	F **-.10192**	**.33791**	**.58960**	**.21350**
Stddev	.00069	.01182	.00059	.00016	.00025
%RSD	13.332	11.602	.17507	.02765	.11699
#1	.00569	-.09356	.33749	.58948	.21367
#2	.00471	-.11028	.33832	.58971	.21332
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4731.7**	**64539.**	**4885.9**
Stddev	5.3	62.	13.8
%RSD	.11213	.09669	.28285
#1	4735.4	64583.	4895.6
#2	4727.9	64494.	4876.1

Sample Name: CCVH-1338467 Acquired: 4/2/2012 23:45:05 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**48.337**	**.00002**	**.00073**	**-.00003**	**.00003**	**1.0036**	**.01095**	**-.00155**	**.00159**	**.00005**	**.00570**	**49.060**
Stddev	.00010	.099	.00338	.00059	.00039	.00000	.0002	.00116	.00011	.00008	.00010	.00031	.081
%RSD	9.6719	.20550	19126.	81.110	1332.8	12.831	.02252	10.633	6.8411	4.9061	197.97	5.4043	.16603
#1	.00114	48.267	.00241	.00114	.00024	.00003	1.0034	.01013	-.00148	.00153	.00013	.00548	49.002
#2	.00099	48.408	-.00237	.00031	-.00030	.00002	1.0037	.01177	-.00163	.00165	-.00002	.00592	49.118
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07046**	**.00375**	**-.04767**	**-.00101**	**-.00143**	**254.14**	**.00176**	**.00601**	**.00127**	**5.3495**	**-.00427**	**-.00748**	**-.00847**
Stddev	.05853	.00086	.00778	.00006	.00024	.83	.00034	.00017	.00166	.0071	.00005	.00182	.00495
%RSD	83.073	22.969	16.317	5.8051	16.833	.32811	19.460	2.7693	130.42	.13299	1.1719	24.374	58.421
#1	-.02907	.00436	-.05317	-.00105	-.00160	253.55	.00200	.00590	.00244	5.3545	-.00430	-.00619	-.00497
#2	-.11185	.00314	-.04217	-.00097	-.00126	254.73	.00152	.00613	.00010	5.3444	-.00423	-.00876	-.01197
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**.00061**	**4.8558**	**.00316**	**.00314**	**9.8592**	**.00774**	**.00289**	**-.02457**
Stddev	.00108	.00000	.0004	.00026	.00070	.0061	.00024	.00035	.00097
%RSD	35.790	.10589	.00874	8.2684	22.254	.06220	3.1558	12.264	3.9480
#1	.00225	.00061	4.8561	.00298	.00363	9.8549	.00757	.00264	-.02526
#2	.00378	.00061	4.8555	.00335	.00264	9.8635	.00792	.00315	-.02389
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4334.0**	**60349.**	**4331.5**
Stddev	3.5	96.	16.4
%RSD	.08055	.15847	.37760
#1	4331.5	60282.	4343.1
#2	4336.5	60417.	4319.9

Sample Name: CCV-1338469 Acquired: 4/2/2012 23:47:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50482**	F **.56281**	**1.0514**	**.52786**	**.50089**	**.49567**	**.00202**	**5.0187**	**.52304**	**.50570**	**.49805**	**.52717**
Stddev	.00004	.00007	.0005	.00069	.00033	.00119	.00402	.0097	.00121	.00115	.00111	.00012
%RSD	.00731	.01174	.05066	.13082	.06520	.23997	199.18	.19251	.23117	.22794	.22336	.02342
#1	.50480	.56277	1.0517	.52835	.50112	.49652	.00486	5.0256	.52218	.50489	.49726	.52708
#2	.50485	.56286	1.0510	.52737	.50066	.49483	-.00082	5.0119	.52389	.50652	.49883	.52726
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4493**	**52.561**	**1.0348**	**20.945**	**.50090**	**.50341**	**5.0719**	**.52058**	**1.0624**	**1.0399**	**.00350**	**1.0592**
Stddev	.0085	.133	.0034	.001	.00029	.00049	.0248	.00167	.0081	.0018	.00089	.0008
%RSD	.34818	.25313	.32468	.00671	.05800	.09735	.48841	.31994	.76034	.17686	25.576	.07390
#1	2.4553	52.655	1.0372	20.946	.50070	.50306	5.0894	.51940	1.0567	1.0386	.00413	1.0598
#2	2.4432	52.467	1.0325	20.944	.50111	.50375	5.0544	.52176	1.0681	1.0412	.00286	1.0587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0885**	**4.9867**	**.97873**	**.51742**	**-.00712**	**.49150**	**1.0632**	**.01160**	**.48535**	**.50478**	**.49448**
Stddev	.0011	.0637	.00274	.00095	.00101	.00037	.0009	.03602	.00013	.00124	.00026
%RSD	.10446	1.2772	.28005	.18357	14.175	.07568	.08370	310.45	.02713	.24467	.05164
#1	1.0877	4.9416	.97679	.51809	-.00784	.49124	1.0626	.03708	.48525	.50390	.49430
#2	1.0893	5.0317	.98066	.51675	-.00641	.49176	1.0638	-.01387	.48544	.50565	.49466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4397.9**	**61626.**	**4351.2**
Stddev	9.6	94.	4.8
%RSD	.21725	.15325	.11119
#1	4404.7	61693.	4354.6
#2	4391.2	61560.	4347.7

Sample Name: CCB Acquired: 4/2/2012 23:49:58 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00116**	**-.00007**	**-.00236**	**-.00049**	W **-.00095**	**.00012**	**-.00102**	**.00549**	**.00029**	**-.00026**
Stddev	.00019	.00091	.00171	.00037	.00002	.00003	.00313	.00108	.00002	.00006
%RSD	16.396	1235.6	72.442	75.843	2.4411	27.712	308.67	19.753	7.3404	24.417
#1	-.00129	.00057	-.00357	-.00023	-.00096	.00010	.00120	.00626	.00027	-.00022
#2	-.00102	-.00072	-.00115	-.00076	-.00093	.00014	-.00323	.00472	.00030	-.00031
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	W **.00235**	**-.00125**	**-.10615**	**.00254**	W **-.02093**	W **-.00047**	**.00070**	**.04677**	**.00003**
Stddev	.00014	.00002	.00284	.03377	.00151	.00002	.00006	.00007	.01487	.00004
%RSD	29.245	.93104	227.18	31.811	59.737	.09041	12.714	10.555	31.783	126.59
#1	.00037	.00233	-.00326	-.13003	.00146	-.02091	-.00051	.00065	.05728	.00000
#2	.00057	.00236	.00076	-.08227	.00361	-.02094	-.00042	.00075	.03626	.00006
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.01070	.00025			
Low Limit		-.00136				-.01070	-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00130**	**.00195**	W **.00418**	W **-.00539**	**.00622**	**.00114**	**.00020**	**-.00628**	**-.00052**
Stddev	.00076	.00042	.00276	.00040	.00100	.02464	.00122	.00006	.00080	.00027
%RSD	129.90	32.297	141.75	9.6317	18.493	396.12	106.66	28.321	12.814	52.091
#1	-.00113	.00101	.00000	.00389	-.00609	-.01120	.00200	.00024	-.00685	-.00033
#2	-.00005	.00160	.00389	.00446	-.00468	.02364	.00028	.00016	-.00571	-.00071
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00815**	**-.00075**	**.00123**	**-.00197**
Stddev	.00115	.00115	.00026	.00045	.00252
%RSD	196.66	14.120	35.073	36.612	128.31
#1	-.00023	-.00896	-.00094	.00091	-.00018
#2	.00139	-.00733	-.00056	.00154	-.00375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4374.6**	**62284.**	**4282.9**
Stddev	2.8	91.	37.2
%RSD	.06401	.14553	.86934
#1	4372.6	62348.	4256.6
#2	4376.6	62220.	4309.2

Sample Name: CCVL1341782 Acquired: 4/2/2012 23:52:36 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00962**	**.11651**	**.01775**	**.10526**	**.00943**	**.00104**	**.11514**	**.20157**	**.00541**	**.01011**	**.01007**
Stddev	.00099	.00080	.00056	.00053	.00007	.00011	.00111	.00394	.00016	.00022	.00022
%RSD	10.307	.68901	3.1432	.50430	.71504	10.456	.96225	1.9563	2.8789	2.1758	2.2010
#1	.01032	.11708	.01735	.10489	.00938	.00097	.11593	.20435	.00552	.00996	.00991
#2	.00892	.11594	.01814	.10564	.00948	.00112	.11436	.19878	.00530	.01027	.01022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01840**	**.09188**	**3.0173**	F **.01380**	**.19594**	**.00987**	**.02012**	**1.0713**	**.04216**	**3.1411**	**.01033**
Stddev	.00024	.00205	.0580	.00095	.00242	.00005	.00045	.0121	.00026	.0007	.00013
%RSD	1.2885	2.2269	1.9216	6.9008	1.2331	.51640	2.2391	1.1255	.61248	.02228	1.2212
#1	.01823	.09332	2.9763	.01312	.19424	.00990	.01980	1.0798	.04234	3.1406	.01024
#2	.01856	.09043	3.0583	.01447	.19765	.00983	.02044	1.0628	.04197	3.1416	.01042
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00551**	**.01199**	F **.00860**	**.50004**	**.10123**	**.01060**	F **.00750**	**.00938**	W **.01800**	**.06898**	**.00862**
Stddev	.00479	.00143	.00007	.01353	.00107	.00003	.00047	.00034	.00081	.01540	.00002
%RSD	86.892	11.947	.84667	2.7067	1.0567	.29464	6.2017	3.6107	4.4995	22.318	.19095
#1	.00889	.01098	.00855	.49047	.10199	.01058	.00783	.00962	.01743	.07987	.00863
#2	.00212	.01301	.00865	.50961	.10048	.01062	.00717	.00915	.01858	.05810	.00861
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value			.01500				.01500		.01500		
Range			-30.000%				-30.000%		20.000%		

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02229**	**.01505**
Stddev	.00032	.00073
%RSD	1.4151	4.8302
#1	.02207	.01557
#2	.02251	.01454
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4437.3**	**63139.**	**4358.9**
Stddev	3.7	84.	11.4
%RSD	.08230	.13366	.26061
#1	4434.7	63198.	4350.8
#2	4439.9	63079.	4366.9

Sample Name: mb 280-113784/1-a Acquired: 4/2/2012 23:55:11 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00134**	**.00073**	**.00320**	**-.00174**	**-.00105**	**.00008**	**.00087**	**.00485**	**.00010**	**-.00054**
Stddev	.00017	.00023	.00456	.00009	.00003	.00004	.00044	.00306	.00005	.00007
%RSD	13.072	31.683	142.43	5.1144	2.6955	55.144	50.845	63.067	51.689	12.846
#1	-.00146	.00089	-.00002	-.00180	-.00103	.00011	.00056	.00268	.00006	-.00049
#2	-.00121	.00056	.00643	-.00167	-.00107	.00005	.00118	.00701	.00013	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00244**	W **.05644**	**-.17086**	**.00116**	**-.02011**	**-.00021**	**.00016**	**.02481**	**.00054**
Stddev	.00028	.00024	.00007	.03335	.00196	.00247	.00006	.00010	.00296	.00012
%RSD	33.504	9.8630	.11917	19.521	169.08	12.265	28.544	61.052	11.923	22.354
#1	.00064	.00227	.05640	-.14727	-.00023	-.02186	-.00017	.00023	.02690	.00063
#2	.00103	.00260	.05649	-.19444	.00255	-.01837	-.00026	.00009	.02272	.00046
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00192**	**-.00455**	**-.00055**	W **-.00503**	**-.00572**	**.00025**	**.00019**	W **-.00822**	**-.00026**
Stddev	.00220	.00031	.00135	.00168	.00427	.00678	.00092	.00002	.00015	.00002
%RSD	616.89	16.329	29.680	302.78	84.786	118.48	363.60	9.3442	1.8162	8.5422
#1	-.00120	.00214	-.00551	-.00174	-.00805	-.00093	.00090	.00020	-.00833	-.00028
#2	.00191	.00170	-.00360	.00063	-.00201	-.01051	-.00040	.00018	-.00812	-.00024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500				.00500	
Low Limit					-.00500				-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**-.00489**	**-.00042**	**.00454**	**-.00159**
Stddev	.00144	.00370	.00015	.00049	.00146
%RSD	151.86	75.743	35.421	10.712	91.718
#1	-.00196	-.00227	-.00053	.00488	-.00263
#2	.00007	-.00751	-.00032	.00420	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4472.0**	**63583.**	**4430.7**
Stddev	5.9	138.	37.7
%RSD	.13213	.21748	.85191
#1	4476.2	63485.	4404.0
#2	4467.8	63681.	4457.4

Sample Name: lcs 280-113784/2-a Acquired: 4/2/2012 23:57:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05166**	F **2.1800**	**1.0800**	**1.0865**	**2.0470**	**.05101**	**2.1375**	**50.421**	**.10950**	**.50018**
Stddev	.00002	.0019	.0042	.0002	.0029	.00007	.0032	.070	.00008	.00035
%RSD	.03054	.08718	.38483	.01866	.13927	.13853	.14922	.13815	.07340	.07032
#1	.05165	2.1787	1.0829	1.0866	2.0449	.05096	2.1352	50.371	.10955	.50043
#2	.05167	2.1814	1.0771	1.0863	2.0490	.05106	2.1398	50.470	.10944	.49993
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.1600								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20107**	**.27133**	**.99336**	**53.874**	**1.0526**	**52.642**	**.51331**	**1.0222**	**53.118**	**.52138**
Stddev	.00044	.00014	.00051	.246	.0000	.005	.00037	.0004	.093	.00019
%RSD	.21754	.05088	.05177	.45637	.00277	.00890	.07117	.03702	.17454	.03731
#1	.20138	.27123	.99300	53.700	1.0526	52.638	.51357	1.0225	53.183	.52151
#2	.20076	.27143	.99373	54.048	1.0526	52.645	.51306	1.0220	53.052	.52124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.175**	**.51793**	**.00184**	F **.54255**	F **2.2506**	**10.191**	**1.9735**	**1.0607**	**.98997**	**1.0052**
Stddev	.011	.00150	.00219	.00178	.0072	.031	.0030	.0022	.00016	.0003
%RSD	.09420	.28982	118.95	.32753	.31919	.30685	.15158	.20361	.01623	.02713
#1	11.168	.51899	.00338	.54130	2.2557	10.169	1.9714	1.0592	.98985	1.0054
#2	11.183	.51686	.00029	.54381	2.2455	10.214	1.9756	1.0622	.99008	1.0050
Check ?	Chk Fail	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	11.100			.54000	2.2000					
Low Limit	9.1000			.44000	1.8000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0939**	**2.0603**	**.50189**	**.50965**	**.49788**
Stddev	.0054	.0124	.00007	.00192	.00196
%RSD	.25809	.60322	.01459	.37610	.39438
#1	2.0901	2.0516	.50184	.51101	.49649
#2	2.0977	2.0691	.50194	.50830	.49926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4304.3**	**60463.**	**4355.6**
Stddev	10.7	74.	24.1
%RSD	.24920	.12191	.55395
#1	4296.7	60515.	4372.6
#2	4311.9	60411.	4338.5

Sample Name: 280-27158-a-4-a Acquired: 4/3/2012 0:00:12 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**.00277**	**-.00069**	**.39673**	**-.00021**	**.00003**	**-.00498**	**35.468**	**.00019**	**-.00013**
Stddev	.00015	.00041	.00748	.00010	.00006	.00019	.00242	.125	.00019	.00011
%RSD	10.057	14.718	1084.8	.02597	29.576	590.18	48.597	.35373	101.51	84.116
#1	-.00136	.00249	-.00598	.39680	-.00016	.00017	-.00327	35.379	.00005	-.00005
#2	-.00157	.00306	.00460	.39665	-.00025	-.00010	-.00669	35.557	.00032	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**.00683**	**.00634**	W **340.10**	**.03601**	**13.571**	**.14056**	**.00848**	**37.295**	**.00114**
Stddev	.00024	.00040	.00178	1.24	.00141	.001	.00002	.00050	.129	.00012
%RSD	6.4202	5.8756	28.105	.36394	3.9174	.01041	.01694	5.8730	.34619	10.232
#1	.00350	.00711	.00508	339.22	.03701	13.570	.14058	.00812	37.386	.00123
#2	.00384	.00655	.00760	340.97	.03501	13.572	.14054	.00883	37.204	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01881**	**.00064**	**42.372**	**-.00275**	**.00237**	**6.0957**	**-.00020**	**.16251**	**-.00697**	**-.00075**
Stddev	.00015	.00176	.044	.00067	.00005	.0356	.00040	.00062	.00006	.00028
%RSD	.81207	276.84	.10311	24.423	1.9071	.58398	197.54	.37901	.87819	37.741
#1	.01870	.00188	42.403	-.00322	.00234	6.0705	-.00049	.16207	-.00693	-.00094
#2	.01892	-.00061	42.342	-.00227	.00240	6.1209	.00008	.16294	-.00701	-.00055
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00435**	**-.02951**	**.00056**	**.00426**	**.00004**
Stddev	.00085	.01194	.00060	.00052	.00163
%RSD	19.635	40.456	105.62	12.173	3630.3
#1	.00375	-.02107	.00014	.00463	.00120
#2	.00496	-.03795	.00099	.00389	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4284.2**	**59571.**	**4378.0**
Stddev	6.8	160.	24.0
%RSD	.15842	.26851	.54839
#1	4279.4	59458.	4395.0
#2	4289.0	59684.	4361.0

Sample Name: 280-27158-a-4-aSD@5 Acquired: 4/3/2012 0:03:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**.00770**	**.00442**	**.08094**	**-.00084**	**.00010**	**-.00079**	**7.3123**	**.00013**	**-.00005**
Stddev	.00021	.00792	.00221	.00087	.00003	.00002	.00085	.0256	.00012	.00005
%RSD	18.232	102.91	50.105	1.0796	3.7339	20.218	107.30	.34953	91.702	91.437
#1	-.00099	.01330	.00598	.08032	-.00086	.00012	-.00140	7.3304	.00022	-.00009
#2	-.00129	.00210	.00285	.08156	-.00082	.00009	-.00019	7.2942	.00005	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00270**	**.00495**	**69.474**	**.00741**	**2.8430**	**.02875**	**.00144**	**7.5220**	**.00013**
Stddev	.00019	.00010	.00448	.230	.00065	.0054	.00008	.00025	.0245	.00050
%RSD	16.104	3.5457	90.432	.33158	8.7716	.18865	.26704	17.150	.32534	386.22
#1	.00103	.00264	.00179	69.637	.00787	2.8392	.02869	.00161	7.5393	-.00022
#2	.00130	.00277	.00812	69.311	.00695	2.8468	.02880	.00126	7.5047	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00425**	**.00009**	**8.3737**	**-.00067**	**-.00408**	**1.2204**	**-.00033**	**.03363**	**-.00652**	**-.00091**
Stddev	.00184	.00011	.0151	.00024	.00047	.0112	.00083	.00006	.00181	.00012
%RSD	43.272	116.50	.18074	36.483	11.434	.91904	254.56	.17782	27.696	12.894
#1	.00295	.00002	8.3630	-.00049	-.00441	1.2283	-.00092	.03358	-.00779	-.00099
#2	.00555	.00017	8.3844	-.00084	-.00375	1.2125	.00026	.03367	-.00524	-.00083
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**-.00794**	**-.00049**	**.00676**	**.00006**
Stddev	.00088	.02836	.00070	.00003	.00135
%RSD	132.59	357.41	141.37	.45089	2148.4
#1	.00004	.01212	.00000	.00674	-.00089
#2	.00128	-.02799	-.00099	.00678	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4320.9**	**60815.**	**4344.5**
Stddev	4.5	43.	.4
%RSD	.10522	.07078	.01007
#1	4324.1	60785.	4344.8
#2	4317.7	60846.	4344.2

Sample Name: 280-27158-a-4-b ms Acquired: 4/3/2012 0:06:02 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05274**	**2.1015**	**1.0940**	**1.4559**	**2.0371**	**.05066**	**2.0788**	**85.762**	**.10888**	**.49404**
Stddev	.00093	.0064	.0006	.0016	.0046	.00013	.0023	.193	.00034	.00034
%RSD	1.7647	.30392	.05507	.11250	.22527	.25037	.11134	.22458	.31683	.06964
#1	.05209	2.0970	1.0936	1.4571	2.0403	.05075	2.0805	85.899	.10913	.49429
#2	.05340	2.1060	1.0944	1.4548	2.0338	.05057	2.0772	85.626	.10864	.49380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20364**	**.27632**	**1.0539**	W **393.81**	**1.0827**	**64.824**	**.65298**	**1.0232**	**88.594**	**.51371**
Stddev	.00063	.00043	.0009	.73	.0016	.037	.00013	.0000	.180	.00065
%RSD	.30837	.15482	.08250	.18649	.14789	.05753	.02000	.00007	.20341	.12575
#1	.20409	.27601	1.0533	394.33	1.0839	64.798	.65288	1.0232	88.722	.51325
#2	.20320	.27662	1.0545	393.29	1.0816	64.850	.65307	1.0232	88.467	.51417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.338**	**.49855**	**42.013**	**.54005**	**2.2217**	**16.152**	**1.9496**	**1.2131**	**.99240**	**1.0114**
Stddev	.007	.00300	.079	.00136	.0109	.089	.0041	.0023	.00185	.0011
%RSD	.05803	.60148	.18705	.25246	.49083	.55317	.21199	.19164	.18670	.10791
#1	11.343	.50067	42.069	.54102	2.2294	16.215	1.9525	1.2148	.99371	1.0106
#2	11.334	.49643	41.957	.53909	2.2140	16.089	1.9466	1.2115	.99109	1.0122
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9434**	**2.0363**	**.50627**	**.51683**	**.49376**
Stddev	.0056	.0103	.00072	.00143	.00192
%RSD	.29090	.50464	.14150	.27747	.38829
#1	1.9474	2.0436	.50678	.51785	.49511
#2	1.9394	2.0291	.50576	.51582	.49240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4187.1**	**58063.**	**4335.5**
Stddev	4.2	252.	11.5
%RSD	.09990	.43434	.26533
#1	4184.2	58242.	4327.4
#2	4190.1	57885.	4343.7

Sample Name: 280-27158-a-4-c msd Acquired: 4/3/2012 0:09:07 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05172**	**2.1007**	**1.0950**	**1.4589**	**2.0317**	**.05033**	**2.0791**	**85.563**	**.10893**	**.49365**
Stddev	.00022	.0047	.0056	.0014	.0079	.00025	.0021	.357	.00009	.00035
%RSD	.42755	.22493	.50659	.09478	.38964	.49436	.10291	.41735	.07805	.07102
#1	.05188	2.0974	1.0990	1.4579	2.0373	.05051	2.0776	85.815	.10899	.49389
#2	.05157	2.1041	1.0911	1.4599	2.0261	.05016	2.0806	85.310	.10887	.49340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20301**	**.27393**	**.98520**	W **393.57**	**1.0803**	**64.437**	**.64822**	**1.0251**	**88.246**	**.51430**
Stddev	.00042	.00025	.00555	1.63	.0050	.089	.00056	.0001	.308	.00027
%RSD	.20616	.08968	.56360	.41386	.46081	.13816	.08689	.01444	.34955	.05320
#1	.20272	.27410	.98913	394.72	1.0838	64.374	.64782	1.0252	88.028	.51450
#2	.20331	.27376	.98127	392.42	1.0768	64.500	.64861	1.0250	88.464	.51411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.360**	**.49934**	**42.115**	**.54087**	**2.2378**	**16.149**	**1.9469**	**1.2088**	**.99001**	**1.0101**
Stddev	.000	.00334	.065	.00625	.0023	.013	.0006	.0041	.00145	.0002
%RSD	.00148	.66976	.15349	1.1563	.10433	.08078	.03147	.33693	.14636	.02096
#1	11.360	.49698	42.069	.53645	2.2394	16.159	1.9465	1.2117	.98899	1.0103
#2	11.360	.50170	42.161	.54529	2.2361	16.140	1.9474	1.2059	.99104	1.0100
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9478**	**2.0263**	**.50627**	**.51242**	**.49354**
Stddev	.0012	.0017	.00087	.00016	.00286
%RSD	.06280	.08463	.17090	.03097	.57929
#1	1.9469	2.0275	.50566	.51231	.49556
#2	1.9486	2.0251	.50688	.51254	.49151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4255.8**	**59434.**	**4423.1**
Stddev	6.7	197.	2.9
%RSD	.15759	.33125	.06601
#1	4260.5	59573.	4421.1
#2	4251.0	59294.	4425.2

Sample Name: 280-27158-a-7-a Acquired: 4/3/2012 0:12:08 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**.05747**	**.00060**	**.32936**	**.05876**	**.00006**	**-.00497**	**84.002**	**.00029**	**.00132**
Stddev	.00057	.00188	.00300	.00071	.00003	.00002	.00118	.021	.00024	.00002
%RSD	119.17	3.2658	500.08	.21684	.04511	30.768	23.729	.02539	83.344	1.6671
#1	-.00008	.05880	.00272	.32986	.05878	.00004	-.00414	84.017	.00012	.00133
#2	-.00088	.05614	-.00152	.32885	.05875	.00007	-.00580	83.986	.00045	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00491**	**.08728**	**26.701**	**.02885**	**35.858**	**4.5762**	**.00431**	**22.664**	**.01103**
Stddev	.00000	.00012	.00221	.064	.00025	.011	.0248	.00019	.296	.00034
%RSD	.58666	2.4156	2.5304	.23955	.85300	.03135	.54083	4.4773	1.3046	3.0842
#1	.00039	.00483	.08885	26.746	.02902	35.866	4.5937	.00444	22.873	.01079
#2	.00039	.00499	.08572	26.656	.02868	35.850	4.5587	.00417	22.455	.01127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02469**	**-.00040**	**33.029**	**-.00254**	**-.00242**	**6.6928**	**-.00048**	**.64591**	**-.00835**	**.00143**
Stddev	.00021	.00119	.063	.00167	.00235	.0132	.00032	.00037	.00046	.00005
%RSD	.85353	299.89	.19160	65.656	97.049	.19689	67.961	.05683	5.4648	3.5894
#1	.02484	.00045	33.074	-.00373	-.00076	6.6835	-.00025	.64565	-.00867	.00147
#2	.02454	-.00124	32.984	-.00136	-.00408	6.7021	-.00071	.64617	-.00803	.00140
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00291**	**-.04156**	**-.00172**	**.01163**	**.00039**
Stddev	.00014	.00041	.00015	.00050	.00139
%RSD	4.9761	.97597	8.5468	4.2840	359.54
#1	-.00280	-.04185	-.00183	.01198	-.00059
#2	-.00301	-.04128	-.00162	.01128	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4377.8**	**61812.**	**4463.9**
Stddev	1.1	75.	2.1
%RSD	.02447	.12195	.04663
#1	4377.1	61865.	4462.5
#2	4378.6	61758.	4465.4

Sample Name: 280-27158-a-18-a Acquired: 4/3/2012 0:14:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.01048**	**-.00101**	**.16065**	**.10114**	**.00002**	**-.00468**	**119.28**	**.00025**	**-.00017**
Stddev	.00019	.00123	.00478	.00044	.00045	.00011	.00250	.00	.00011	.00013
%RSD	17.909	11.695	471.98	.27392	.44295	469.99	53.441	.00389	43.133	73.351
#1	-.00122	.00962	-.00439	.16096	.10145	-.00005	-.00291	119.28	.00033	-.00026
#2	-.00095	.01135	.00237	.16034	.10082	.00010	-.00644	119.27	.00017	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**.00264**	**.03071**	**4.4624**	**.02875**	**28.309**	**.00213**	**.00015**	**35.041**	**.00100**
Stddev	.00010	.00070	.00034	.0263	.00265	.024	.00002	.00021	.255	.00041
%RSD	3.0424	26.677	1.0980	.58869	9.2163	.08493	1.0985	138.88	.72902	40.824
#1	.00314	.00214	.03047	4.4438	.03063	28.326	.00215	.00000	35.222	.00128
#2	.00328	.00313	.03095	4.4810	.02688	28.292	.00212	.00029	34.861	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01498**	**-.00019**	**46.094**	**-.00265**	**-.00209**	**10.561**	**.00040**	**1.1204**	**-.00912**	**-.00044**
Stddev	.00097	.00041	.084	.00173	.00155	.014	.00037	.0019	.00204	.00021
%RSD	6.4512	217.46	.18193	65.442	74.051	.12854	92.665	.16915	22.390	47.874
#1	.01566	-.00048	46.035	-.00142	-.00318	10.570	.00014	1.1190	-.00767	-.00059
#2	.01429	.00010	46.153	-.00388	-.00099	10.551	.00066	1.1217	-.01056	-.00029
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**-.01145**	**-.00044**	**.00342**	**.00038**
Stddev	.00148	.01091	.00097	.00038	.00081
%RSD	163.53	95.282	220.84	11.125	214.09
#1	-.00014	-.01916	-.00112	.00315	.00095
#2	.00196	-.00374	.00025	.00369	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4301.3**	**60792.**	**4419.0**
Stddev	4.2	113.	11.7
%RSD	.09729	.18590	.26439
#1	4304.3	60872.	4427.3
#2	4298.4	60712.	4410.7

Sample Name: CCVH-1338467 Acquired: 4/3/2012 0:17:23 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**48.139**	**.00131**	**.00169**	**-.00033**	**.00001**	**1.0032**	**.02009**	**-.00161**	**.00197**	**.00037**	**.00487**	**48.742**
Stddev	.00024	.037	.00029	.00037	.00027	.00002	.0034	.00748	.00020	.00017	.00001	.00074	.173
%RSD	69.792	.07649	21.932	22.110	81.542	166.05	.34076	37.235	12.448	8.8367	3.3526	15.129	.35515
#1	.00017	48.113	.00151	.00195	-.00052	.00000	1.0008	.02538	-.00146	.00185	.00038	.00435	48.620
#2	.00052	48.165	.00111	.00142	-.00014	.00002	1.0057	.01480	-.00175	.00209	.00036	.00539	48.865
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00937**	**.00300**	**-.04311**	**-.00093**	**-.00153**	**252.64**	**.00176**	**.00269**	**.00043**	**5.2746**	**-.00631**	**-.00570**	**.00471**
Stddev	.00769	.00036	.00352	.00001	.00003	.48	.00045	.00161	.00075	.0119	.00090	.00049	.01580
%RSD	82.094	11.856	8.1569	.87983	2.1977	.19125	25.728	59.997	172.92	.22537	14.277	8.6412	335.37
#1	-.00393	.00275	-.04559	-.00093	-.00155	252.29	.00208	.00383	.00096	5.2662	-.00567	-.00535	.01589
#2	-.01480	.00326	-.04062	-.00094	-.00150	252.98	.00144	.00155	-.00010	5.2830	-.00694	-.00605	-.00646
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	**.00055**	**4.8867**	**.00270**	**.00248**	**9.8544**	**.00719**	**.00222**	**-.02972**
Stddev	.00044	.00005	.0043	.00039	.00036	.0022	.00017	.00067	.00254
%RSD	15.181	9.5367	.08804	14.523	14.563	.02196	2.3756	30.160	8.5320
#1	.00317	.00051	4.8837	.00242	.00223	9.8560	.00707	.00269	-.03151
#2	.00256	.00058	4.8898	.00297	.00274	9.8529	.00731	.00174	-.02792
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4339.2**	**60295.**	**4388.9**
Stddev	10.0	69.	3.4
%RSD	.23133	.11395	.07735
#1	4346.3	60344.	4386.5
#2	4332.1	60247.	4391.3

Sample Name: CCV-1338469 Acquired: 4/3/2012 0:19:56 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50731**	F **.55545**	**1.0352**	**.52510**	**.50176**	**.49206**	**.00126**	**5.0040**	**.51815**	**.50389**	**.49740**	**.52234**
Stddev	.00088	.00180	.0005	.00026	.00187	.00189	.00085	.0076	.00140	.00128	.00048	.00043
%RSD	.17394	.32427	.05208	.05018	.37337	.38459	67.887	.15225	.26994	.25346	.09645	.08324
#1	.50794	.55418	1.0356	.52528	.50308	.49340	.00186	5.0093	.51914	.50480	.49774	.52265
#2	.50669	.55673	1.0348	.52491	.50043	.49073	.00065	4.9986	.51716	.50299	.49706	.52204
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4268**	**51.815**	**1.0254**	**20.719**	**.49878**	**.50049**	**5.1090**	**.51700**	**1.0534**	**1.0325**	**-.00128**	**1.0507**
Stddev	.0039	.180	.0071	.035	.00084	.00022	.0236	.00067	.0046	.0038	.00649	.0003
%RSD	.16163	.34673	.68830	.16732	.16822	.04377	.46273	.13038	.44169	.36879	505.77	.02633
#1	2.4295	51.942	1.0304	20.743	.49819	.50065	5.1257	.51748	1.0566	1.0351	.00330	1.0509
#2	2.4240	51.688	1.0204	20.694	.49938	.50034	5.0923	.51653	1.0501	1.0298	-.00587	1.0505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0668**	**4.9636**	**.98130**	**.51289**	**-.00687**	**.49326**	**1.0543**	**.02642**	**.48927**	**.50517**	**.49411**
Stddev	.0086	.0123	.00128	.00161	.00056	.00013	.0020	.02001	.00002	.00024	.00119
%RSD	.80745	.24691	.13000	.31448	8.1051	.02621	.18867	75.752	.00324	.04827	.24086
#1	1.0729	4.9723	.98220	.51403	-.00647	.49317	1.0557	.01227	.48926	.50500	.49495
#2	1.0607	4.9550	.98040	.51175	-.00726	.49335	1.0529	.04057	.48928	.50534	.49327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4404.1**	**61427.**	**4378.6**
Stddev	4.8	40.	3.4
%RSD	.10973	.06587	.07743
#1	4400.7	61456.	4381.0
#2	4407.5	61399.	4376.2

Sample Name: CCB Acquired: 4/3/2012 0:22:19 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.00077**	**.00086**	**.00035**	W **-.00073**	**.00018**	**-.00291**	**.00576**	**.00037**	**-.00025**
Stddev	.00068	.00018	.00357	.00056	.00014	.00005	.00117	.00155	.00003	.00001
%RSD	77.785	22.820	416.76	156.99	19.748	25.978	40.381	26.979	8.0441	5.1073
#1	-.00039	.00090	.00338	.00075	-.00062	.00021	-.00374	.00466	.00039	-.00024
#2	-.00136	.00065	-.00167	-.00004	-.00083	.00014	-.00208	.00686	.00035	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	W **.00199**	**.00092**	**-.03717**	**.00135**	W **-.01715**	W **-.00036**	**.00087**	**.09103**	**.00014**
Stddev	.00020	.00004	.00002	.04293	.00100	.00077	.00003	.00023	.00949	.00028
%RSD	41.759	1.9928	2.5500	115.49	73.755	4.4823	8.2611	26.089	10.426	203.73
#1	.00034	.00197	.00090	-.00682	.00206	-.01661	-.00034	.00071	.08432	-.00006
#2	.00062	.00202	.00093	-.06752	.00065	-.01769	-.00038	.00103	.09774	.00033
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.01070	.00025			
Low Limit		-.00136				-.01070	-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00190**	**-.00043**	**.00246**	W **.00521**	**-.00320**	**.00163**	**.00091**	**.00022**	**-.00698**	**-.00033**
Stddev	.00160	.00007	.00382	.00154	.00547	.00447	.00017	.00004	.00018	.00038
%RSD	84.171	16.120	155.10	29.585	170.68	273.60	18.326	19.567	2.6182	116.83
#1	.00077	-.00048	.00517	.00412	.00066	-.00153	.00079	.00025	-.00711	-.00060
#2	.00303	-.00038	-.00024	.00630	-.00707	.00479	.00103	.00019	-.00685	-.00006
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**-.02358**	**-.00044**	**.00130**	**-.00143**
Stddev	.00036	.00988	.00036	.00014	.00002
%RSD	74.730	41.892	81.203	10.397	1.3192
#1	-.00023	-.03057	-.00019	.00140	-.00145
#2	-.00074	-.01660	-.00070	.00120	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4368.3**	**62344.**	**4339.4**
Stddev	18.3	36.	10.4
%RSD	.41882	.05714	.23958
#1	4355.4	62318.	4332.1
#2	4381.3	62369.	4346.8

Sample Name: CCVL1341782 Acquired: 4/3/2012 0:24:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00897**	**.11515**	**.01581**	**.10481**	**.00960**	**.00110**	**.11114**	**.20274**	**.00524**	**.01016**	**.01008**
Stddev	.00078	.00040	.00430	.00039	.00029	.00007	.00036	.00332	.00002	.00024	.00009
%RSD	8.6640	.34864	27.192	.37451	3.0612	6.1228	.32191	1.6372	.37270	2.3707	.84603
#1	.00952	.11543	.01277	.10509	.00981	.00115	.11140	.20039	.00525	.00999	.01002
#2	.00842	.11487	.01885	.10453	.00940	.00106	.11089	.20508	.00522	.01033	.01014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01852**	**.09412**	**3.1095**	F **.01321**	**.19365**	**.00984**	**.02010**	**1.0868**	**.04257**	**3.1380**	**.00895**
Stddev	.00014	.00156	.0645	.00140	.00273	.00000	.00024	.0109	.00056	.0050	.00031
%RSD	.73387	1.6536	2.0752	10.602	1.4105	.00626	1.2032	1.0014	1.3064	.15774	3.4524
#1	.01842	.09522	3.0639	.01222	.19558	.00984	.02027	1.0791	.04218	3.1415	.00873
#2	.01861	.09302	3.1551	.01420	.19172	.00984	.01993	1.0945	.04297	3.1345	.00917
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	W **.01285**	W **.01158**	**.50797**	**.10086**	**.01052**	F **.00680**	**.00941**	**.01623**	**.05523**	**.00889**
Stddev	.00247	.00215	.00226	.00073	.00198	.00000	.00057	.00003	.00006	.01995	.00016
%RSD	253.31	16.713	19.496	.14350	1.9665	.00220	8.3323	.33185	.35124	36.125	1.7959
#1	-.00272	.01437	.01318	.50746	.10226	.01052	.00640	.00943	.01619	.06934	.00878
#2	.00077	.01133	.00998	.50849	.09946	.01052	.00720	.00939	.01627	.04112	.00901
Check ?	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000	.01500				.01500				
Range		20.000%	-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02203**	**.01490**
Stddev	.00063	.00014
%RSD	2.8712	.90698
#1	.02159	.01499
#2	.02248	.01480
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4449.6**	**63283.**	**4389.6**
Stddev	4.0	56.	3.2
%RSD	.08995	.08922	.07318
#1	4452.5	63243.	4387.3
#2	4446.8	63322.	4391.9

Sample Name: 280-27158-a-19-a Acquired: 4/3/2012 0:27:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**.06124**	**.00305**	**.30018**	**.11110**	**.00003**	**-.00278**	**111.28**	**.00028**	**-.00004**
Stddev	.00016	.00090	.00017	.00085	.00062	.00009	.00084	.06	.00014	.00003
%RSD	11.018	1.4619	5.7038	.28159	.56147	294.50	30.397	.05163	50.619	71.911
#1	-.00131	.06061	.00293	.29959	.11154	-.00003	-.00337	111.24	.00018	-.00002
#2	-.00153	.06187	.00317	.30078	.11066	.00010	-.00218	111.32	.00038	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00324**	**.06201**	**12.098**	**.03550**	**29.485**	**.03868**	**.00420**	**46.876**	**.00329**
Stddev	.00010	.00025	.00438	.031	.00134	.018	.00007	.00033	.030	.00010
%RSD	19.424	7.7780	7.0555	.25794	3.7690	.05958	.17967	7.7741	.06471	2.9658
#1	.00046	.00342	.05891	12.120	.03456	29.497	.03863	.00444	46.855	.00322
#2	.00060	.00306	.06510	12.076	.03645	29.472	.03872	.00397	46.898	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00906**	**-.00005**	**47.621**	**-.00135**	**-.00408**	**6.5164**	**-.00001**	**1.3845**	**-.00777**	**.00042**
Stddev	.00257	.00114	.028	.00119	.00179	.0169	.00071	.0002	.00095	.00016
%RSD	28.329	2476.5	.05962	88.769	43.856	.25852	6294.9	.01149	12.274	37.977
#1	.00724	-.00085	47.601	-.00219	-.00282	6.5284	-.00051	1.3844	-.00844	.00031
#2	.01087	.00076	47.641	-.00050	-.00535	6.5045	.00049	1.3846	-.00710	.00053
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.01344**	**.00044**	**.00567**	**-.00125**
Stddev	.00243	.02510	.00002	.00045	.00155
%RSD	1143.1	186.67	4.7690	7.9804	123.38
#1	.00193	.03119	.00042	.00535	-.00235
#2	-.00150	-.00430	.00045	.00599	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4292.1**	**60782.**	**4407.2**
Stddev	4.8	60.	11.7
%RSD	.11295	.09862	.26483
#1	4295.5	60825.	4415.5
#2	4288.6	60740.	4398.9

Sample Name: 280-27158-a-20-a Acquired: 4/3/2012 0:30:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.00698**	**.00185**	**.19350**	**.11195**	**.00011**	**-.00241**	**99.524**	**.00063**	**.00023**
Stddev	.00021	.00013	.00008	.00092	.00053	.00001	.00189	.274	.00025	.00003
%RSD	19.607	1.8140	4.5930	.47474	.47153	9.0804	78.447	.27524	39.578	13.723
#1	-.00093	.00689	.00179	.19415	.11158	.00011	-.00107	99.330	.00081	.00021
#2	-.00123	.00707	.00191	.19285	.11233	.00010	-.00375	99.718	.00046	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00379**	**.10049**	**4.5364**	**.02957**	**24.811**	**.11448**	**.01840**	**20.979**	**.00313**
Stddev	.00007	.00043	.00104	.0032	.00088	.016	.00014	.00023	.029	.00004
%RSD	101.47	11.223	1.0324	.06984	2.9652	.06538	.12201	1.2362	.13717	1.3593
#1	.00002	.00409	.10123	4.5341	.03019	24.799	.11458	.01856	20.958	.00310
#2	.00012	.00349	.09976	4.5386	.02895	24.822	.11438	.01824	20.999	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02523**	**.00001**	**29.865**	**-.00131**	**-.00353**	**4.1239**	**-.00081**	**.91662**	**-.00849**	**-.00043**
Stddev	.00062	.00141	.109	.00054	.00285	.0213	.00057	.00232	.00079	.00008
%RSD	2.4618	10391.	.36592	41.589	80.615	.51526	70.367	.25335	9.3022	17.947
#1	.02567	-.00098	29.942	-.00092	-.00554	4.1389	-.00041	.91498	-.00905	-.00048
#2	.02479	.00101	29.788	-.00169	-.00152	4.1089	-.00122	.91826	-.00794	-.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.02617**	**.00009**	**.00335**	**-.00090**
Stddev	.00041	.00309	.00003	.00007	.00087
%RSD	473.30	11.806	31.741	2.1287	95.835
#1	.00038	-.02835	.00011	.00341	-.00029
#2	-.00020	-.02398	.00007	.00330	-.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4302.9**	**60848.**	**4398.9**
Stddev	3.9	129.	4.6
%RSD	.09038	.21168	.10402
#1	4305.7	60939.	4402.1
#2	4300.2	60757.	4395.6

Sample Name: 280-27158-a-21-a Acquired: 4/3/2012 0:32:36 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.05377**	**.00168**	**.24326**	**.07873**	**.00001**	**-.00353**	**107.20**	**.00042**	**-.00001**
Stddev	.00004	.00097	.00272	.00027	.00026	.00002	.00233	.23	.00000	.00014
%RSD	4.0424	1.7974	162.04	.11126	.33054	171.14	65.963	.21385	.28745	2169.4
#1	-.00107	.05445	.00361	.24306	.07891	.00003	-.00188	107.37	.00042	.00009
#2	-.00113	.05309	-.00024	.24345	.07854	.00000	-.00518	107.04	.00042	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00319**	**.06401**	**4.5830**	**.03616**	**27.264**	**.01388**	**.00542**	**68.890**	**.00171**
Stddev	.00027	.00033	.00165	.0405	.00265	.003	.00007	.00037	.208	.00033
%RSD	45.263	10.359	2.5758	.88317	7.3402	.00977	.47183	6.8933	.30228	19.355
#1	.00041	.00296	.06518	4.5543	.03428	27.263	.01383	.00516	68.742	.00194
#2	.00079	.00343	.06285	4.6116	.03804	27.266	.01392	.00569	69.037	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01539**	**-.00148**	**51.543**	**.00073**	**-.00153**	**6.7320**	**.00027**	**.90709**	**-.00718**	**.00301**
Stddev	.00247	.00069	.043	.00239	.00182	.0113	.00027	.00089	.00005	.00033
%RSD	16.053	46.556	.08361	330.04	118.51	.16821	101.60	.09862	.68606	10.896
#1	.01714	-.00099	51.513	.00242	-.00025	6.7401	.00046	.90772	-.00714	.00278
#2	.01364	-.00197	51.574	-.00097	-.00282	6.7240	.00008	.90646	-.00721	.00325
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00272**	**.00073**	**.00631**	**-.00089**
Stddev	.00093	.01036	.00057	.00021	.00229
%RSD	849.02	380.98	78.154	3.3940	256.33
#1	-.00055	-.00461	.00113	.00616	.00072
#2	.00077	.01005	.00032	.00647	-.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4267.6**	**60162.**	**4381.7**
Stddev	18.1	137.	.4
%RSD	.42460	.22723	.00919
#1	4280.4	60066.	4382.0
#2	4254.8	60259.	4381.4

Sample Name: 280-27158-a-22-a Acquired: 4/3/2012 0:35:10 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**.00075**	**.00203**	**.34862**	**.09017**	**.00002**	**-.00495**	**118.54**	**.00097**	**.00014**
Stddev	.00012	.00020	.00015	.00045	.00007	.00003	.00008	.00	.00018	.00032
%RSD	8.8848	26.803	7.2211	.13040	.07317	149.41	1.6052	.00094	18.856	219.88
#1	-.00142	.00089	.00193	.34830	.09012	.00000	-.00501	118.54	.00084	.00037
#2	-.00125	.00061	.00214	.34894	.09021	.00003	-.00489	118.54	.00110	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00436**	**.01654**	**3.9567**	**.03742**	**35.616**	**.11405**	**.04485**	**27.605**	**.00222**
Stddev	.00009	.00028	.00164	.0455	.00205	.020	.00021	.00030	.520	.00017
%RSD	1112.3	6.3561	9.9056	1.1510	5.4784	.05528	.18081	.67828	1.8820	7.5619
#1	.00006	.00416	.01770	3.9889	.03597	35.630	.11419	.04507	27.238	.00210
#2	-.00007	.00455	.01538	3.9245	.03887	35.602	.11390	.04464	27.972	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00880**	**-.00143**	**59.112**	**-.00144**	**-.00246**	**5.8545**	**.00033**	**1.1072**	**-.00754**	**-.00066**
Stddev	.00387	.00038	.062	.00148	.00714	.0185	.00103	.0003	.00043	.00017
%RSD	43.969	26.438	.10483	102.64	290.00	.31601	313.31	.02917	5.7641	25.040
#1	.01153	-.00116	59.156	-.00249	-.00751	5.8414	-.00040	1.1070	-.00723	-.00078
#2	.00606	-.00170	59.069	-.00040	.00259	5.8676	.00106	1.1074	-.00785	-.00055
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**-.02241**	**.00023**	**.00418**	**-.00065**
Stddev	.00069	.03515	.00014	.00010	.00061
%RSD	131.72	156.84	61.732	2.3833	94.806
#1	-.00004	-.04727	.00033	.00425	-.00021
#2	-.00101	.00244	.00013	.00411	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4305.0**	**60814.**	**4450.7**
Stddev	3.1	84.	17.1
%RSD	.07218	.13844	.38374
#1	4302.8	60874.	4462.8
#2	4307.2	60755.	4438.7

Sample Name: 280-27158-a-23-a Acquired: 4/3/2012 0:37:43 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	**.00101**	**.00217**	**.34274**	**.08998**	**.00011**	**-.00301**	**116.27**	**.00099**	**-.00003**
Stddev	.00003	.00068	.00307	.00096	.00010	.00003	.00051	.04	.00003	.00007
%RSD	1.6440	67.269	141.29	.28100	.11298	30.272	16.934	.03801	2.7935	233.88
#1	-.00155	.00053	.00434	.34342	.09005	.00013	-.00265	116.24	.00097	.00002
#2	-.00151	.00148	.00000	.34206	.08991	.00008	-.00337	116.31	.00101	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00420**	**.02193**	**3.8354**	**.03672**	**34.932**	**.14967**	**.04277**	**27.126**	**.00223**
Stddev	.00000	.00022	.00010	.0266	.00091	.045	.00010	.00007	.414	.00005
%RSD	4.9115	5.3348	.44428	.69425	2.4902	.12892	.06735	.16455	1.5246	2.1471
#1	.00010	.00404	.02200	3.8542	.03737	34.900	.14960	.04272	26.834	.00220
#2	.00009	.00436	.02186	3.8166	.03608	34.964	.14974	.04282	27.419	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01177**	**.00054**	**58.320**	**-.00345**	**-.00222**	**5.7355**	**-.00049**	**1.0891**	**-.00730**	**-.00108**
Stddev	.00079	.00108	.085	.00007	.00050	.0348	.00038	.0024	.00148	.00009
%RSD	6.7234	200.72	.14490	1.9797	22.663	.60765	76.894	.21722	20.294	7.9418
#1	.01233	-.00023	58.380	-.00340	-.00186	5.7109	-.00076	1.0875	-.00626	-.00102
#2	.01121	.00130	58.261	-.00350	-.00258	5.7602	-.00023	1.0908	-.00835	-.00114
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.04376**	**.00007**	**.00455**	**-.00004**
Stddev	.00066	.02745	.00009	.00069	.00102
%RSD	42.710	62.720	131.40	15.114	2463.0
#1	.00202	-.06316	.00000	.00406	-.00076
#2	.00108	-.02435	.00013	.00504	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4312.2**	**61068.**	**4446.9**
Stddev	11.4	378.	15.6
%RSD	.26436	.61888	.35116
#1	4304.2	61335.	4435.8
#2	4320.3	60801.	4457.9

Sample Name: 280-27158-a-24-a Acquired: 4/3/2012 0:40:17 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.00546**	**.06498**	**.40258**	**.10952**	**.00003**	**-.00469**	**125.66**	**.00041**	**.00056**
Stddev	.00007	.00181	.00229	.00003	.00002	.00003	.00074	.10	.00006	.00035
%RSD	6.5671	33.186	3.5258	.00777	.02052	97.186	15.752	.07963	13.435	62.031
#1	-.00104	.00418	.06660	.40256	.10951	.00001	-.00521	125.73	.00037	.00032
#2	-.00095	.00674	.06336	.40260	.10954	.00006	-.00417	125.58	.00045	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00273**	**2.1377**	**3.5206**	**.03247**	**40.001**	**.17273**	**.00051**	**31.547**	**.00189**
Stddev	.00012	.00017	.0095	.0309	.00199	.088	.00034	.00012	.466	.00044
%RSD	53.315	6.3696	.44221	.87874	6.1235	.21952	.19617	23.974	1.4762	23.265
#1	.00014	.00285	2.1310	3.5425	.03106	39.939	.17249	.00042	31.876	.00220
#2	.00031	.00260	2.1444	3.4988	.03387	40.063	.17297	.00060	31.218	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02477**	**-.00001**	**68.526**	**.00126**	**-.00415**	**11.199**	**-.00112**	**.98990**	**-.00868**	**-.00067**
Stddev	.00112	.00150	.136	.00187	.00322	.049	.00001	.00106	.00055	.00002
%RSD	4.5187	10556.	.19868	148.50	77.598	.44015	.92510	.10703	6.3477	3.2090
#1	.02556	.00105	68.429	-.00006	-.00187	11.234	-.00111	.99065	-.00907	-.00066
#2	.02398	-.00108	68.622	.00257	-.00643	11.164	-.00113	.98916	-.00829	-.00069
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**-.02332**	**-.00002**	**.00391**	**.00048**
Stddev	.00074	.01433	.00030	.00004	.00079
%RSD	87.710	61.466	1454.4	.99556	165.93
#1	-.00136	-.01318	-.00023	.00389	-.00008
#2	-.00032	-.03345	.00019	.00394	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4305.1**	**61017.**	**4466.3**
Stddev	3.6	272.	8.6
%RSD	.08436	.44555	.19240
#1	4307.7	61209.	4472.4
#2	4302.6	60825.	4460.2

Sample Name: 280-27158-a-27-a Acquired: 4/3/2012 0:42:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**.00456**	**.00776**	**.46419**	**.11328**	**-.00001**	**-.00451**	**102.80**	**.00051**	**.00039**
Stddev	.00022	.00004	.00315	.00059	.00007	.00003	.00324	.31	.00002	.00008
%RSD	18.209	.77240	40.588	.12722	.06177	341.44	71.780	.29991	4.1316	20.122
#1	-.00104	.00453	.00553	.46377	.11333	-.00003	-.00680	103.02	.00053	.00033
#2	-.00134	.00458	.00998	.46460	.11323	.00001	-.00222	102.58	.00050	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00399**	**.21875**	**6.7299**	**.04308**	**34.104**	**.25370**	**.00739**	**49.505**	**.00196**
Stddev	.00002	.00051	.00009	.0627	.00126	.043	.00033	.00026	.203	.00014
%RSD	5.5457	12.677	.04068	.93122	2.9176	.12600	.12873	3.5449	.41108	7.3065
#1	.00030	.00363	.21881	6.7742	.04397	34.135	.25393	.00757	49.361	.00207
#2	.00033	.00435	.21868	6.6855	.04219	34.074	.25347	.00720	49.649	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00852**	**-.00120**	**62.092**	**-.00161**	W **-.00893**	**5.8241**	**-.00004**	**.78788**	**-.00824**	**-.00096**
Stddev	.00094	.00038	.056	.00049	.00566	.0095	.00055	.00107	.00047	.00003
%RSD	11.079	31.445	.09089	30.592	63.339	.16283	1324.0	.13545	5.7135	3.0848
#1	.00785	-.00147	62.052	-.00196	-.00493	5.8308	.00035	.78864	-.00857	-.00094
#2	.00919	-.00094	62.132	-.00126	-.01293	5.8174	-.00043	.78713	-.00790	-.00098
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.02189**	**.00081**	**.00492**	**.00149**
Stddev	.00005	.00740	.00042	.00010	.00169
%RSD	6.3384	33.807	51.666	2.0381	113.06
#1	.00088	.01666	.00051	.00485	.00030
#2	.00080	.02713	.00111	.00499	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4300.9**	**60951.**	**4440.5**
Stddev	1.1	190.	3.6
%RSD	.02491	.31179	.08160
#1	4300.2	61086.	4437.9
#2	4301.7	60817.	4443.1

Sample Name: 280-27158-a-29-a Acquired: 4/3/2012 0:45:25 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**.05950**	**.00087**	**.59250**	**.03796**	**.00000**	**-.00324**	**84.967**	**.00039**	**.00011**
Stddev	.00035	.00065	.00169	.00120	.00031	.0002	.00171	.006	.00002	.00011
%RSD	31.942	1.0865	193.75	.20274	.81187	5527.2	52.803	.00713	5.0857	100.57
#1	-.00133	.05996	.00207	.59165	.03818	-.00011	-.00445	84.971	.00041	.00003
#2	-.00084	.05905	-.00032	.59335	.03774	.00011	-.00203	84.962	.00038	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00762**	**.00441**	**.09243**	**89.121**	**.02912**	**26.768**	**1.2530**	**.00084**	**31.537**	**.00292**
Stddev	.00005	.00019	.00022	.100	.00046	.028	.0001	.00004	.230	.00000
%RSD	.71158	4.2787	.23823	.11189	1.5901	.10504	.00577	4.9217	.72844	.16432
#1	.00758	.00428	.09227	89.050	.02880	26.748	1.2530	.00081	31.699	.00292
#2	.00766	.00455	.09259	89.191	.02945	26.788	1.2531	.00087	31.374	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02711**	**-.00017**	**41.347**	**-.00060**	**-.00257**	**9.7049**	**-.00031**	**.57690**	**-.00654**	**.00125**
Stddev	.00190	.00011	.009	.00092	.00013	.0146	.00226	.00030	.00003	.00027
%RSD	7.0189	67.303	.02244	152.55	5.0192	.15007	720.98	.05154	.47585	21.930
#1	.02577	-.00009	41.341	.00005	-.00266	9.6946	.00128	.57711	-.00652	.00105
#2	.02846	-.00025	41.354	-.00125	-.00248	9.7152	-.00191	.57669	-.00656	.00144
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**-.01227**	**-.00062**	**.00680**	**.00108**
Stddev	.00122	.00435	.00068	.00060	.00245
%RSD	143.23	35.452	109.29	8.7641	226.15
#1	.00001	-.01534	-.00014	.00722	-.00065
#2	-.00171	-.00919	-.00110	.00637	.00281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4315.0**	**60888.**	**4473.0**
Stddev	1.6	58.	1.1
%RSD	.03731	.09530	.02400
#1	4316.1	60847.	4472.2
#2	4313.8	60929.	4473.7

Sample Name: CCVH-1338467 Acquired: 4/3/2012 0:47:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**48.166**	**-.00057**	**.00153**	**-.00026**	**.00003**	**1.0147**	**.00234**	**-.00148**	**.00166**	**.00018**	**.00461**	**48.756**
Stddev	.00061	.021	.00124	.00036	.00008	.00005	.0032	.00286	.00015	.00019	.00008	.00000	.139
%RSD	173.74	.04359	219.81	23.692	30.271	154.73	.31631	122.15	9.9924	11.511	43.344	.02433	.28557
#1	.00078	48.152	-.00144	.00179	-.00032	.00006	1.0125	.00437	-.00158	.00179	.00024	.00461	48.657
#2	-.00008	48.181	.00031	.00127	-.00021	.00000	1.0170	.00032	-.00137	.00152	.00013	.00461	48.854
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04877**	**.00252**	**-.04720**	**-.00106**	**-.00136**	**252.73**	**.00214**	**.00389**	**-.00066**	**5.3098**	**-.00629**	**-.00559**	**.00632**
Stddev	.02313	.00043	.00095	.00002	.00023	.48	.00003	.00400	.00006	.0053	.00018	.00189	.00296
%RSD	47.425	16.992	2.0144	1.8516	16.730	.19152	1.4918	102.98	8.4816	.09963	2.8006	33.745	46.781
#1	-.06512	.00221	-.04787	-.00104	-.00153	253.07	.00216	.00672	-.00069	5.3060	-.00641	-.00692	.00842
#2	-.03241	.00282	-.04652	-.00107	-.00120	252.39	.00212	.00106	-.00062	5.3135	-.00616	-.00426	.00423
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.00041**	**4.9116**	**.00294**	**.00208**	**9.8652**	**.00721**	**.00229**	**-.03306**
Stddev	.00108	.00003	.0056	.00006	.00096	.0512	.00029	.00030	.00608
%RSD	45.148	7.2504	.11439	1.9090	45.833	.51892	3.9580	12.941	18.387
#1	.00315	.00039	4.9076	.00290	.00141	9.8290	.00701	.00250	-.03735
#2	.00163	.00043	4.9155	.00298	.00276	9.9014	.00741	.00208	-.02876
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4330.6**	**60127.**	**4396.3**
Stddev	17.3	334.	2.9
%RSD	.39849	.55563	.06706
#1	4342.8	60363.	4394.2
#2	4318.4	59891.	4398.3

Sample Name: CCV-1338469 Acquired: 4/3/2012 0:50:31 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50941**	F **.55267**	**1.0396**	**.52546**	**.50056**	**.48640**	**-.00201**	**4.9773**	**.51899**	**.50360**	**.49644**	**.51975**
Stddev	.00145	.00495	.0005	.00019	.00078	.00023	.00218	.0093	.00027	.00026	.00027	.00183
%RSD	.28453	.89635	.04571	.03695	.15628	.04684	108.69	.18740	.05162	.05241	.05386	.35114
#1	.50838	.54917	1.0393	.52532	.50111	.48624	-.00046	4.9839	.51880	.50379	.49625	.51846
#2	.51043	.55617	1.0400	.52559	.50001	.48656	-.00355	4.9707	.51918	.50342	.49663	.52104
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3991**	**51.433**	**1.0178**	**20.634**	**.49540**	**.49987**	**5.0469**	**.51564**	**1.0521**	**1.0292**	**.00186**	**1.0441**
Stddev	.0056	.075	.0005	.014	.00023	.00078	.0086	.00017	.0008	.0000	.00526	.0022
%RSD	.23383	.14512	.04816	.07018	.04644	.15563	.17129	.03251	.07309	.00158	282.14	.20887
#1	2.3951	51.486	1.0175	20.623	.49524	.50042	5.0408	.51576	1.0526	1.0292	.00558	1.0456
#2	2.4030	51.380	1.0182	20.644	.49556	.49932	5.0530	.51552	1.0516	1.0292	-.00185	1.0426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0760**	**4.9225**	**.98354**	**.50747**	**-.00373**	**.49164**	**1.0555**	**-.01164**	**.48723**	**.50048**	**.48940**
Stddev	.0034	.0085	.00028	.00037	.00018	.00135	.0019	.01046	.00046	.00048	.00191
%RSD	.31994	.17250	.02801	.07227	4.8995	.27362	.17551	89.806	.09521	.09581	.38975
#1	1.0735	4.9286	.98373	.50773	-.00361	.49069	1.0542	-.01904	.48755	.50082	.49075
#2	1.0784	4.9165	.98334	.50721	-.00386	.49259	1.0568	-.00425	.48690	.50014	.48805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4408.3**	**61913.**	**4423.1**
Stddev	4.4	234.	23.3
%RSD	.09945	.37873	.52579
#1	4411.4	61747.	4406.7
#2	4405.2	62079.	4439.6

Sample Name: CCB Acquired: 4/3/2012 0:52:58 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00109**	**-.00055**	**-.00139**	**.00031**	W **-.00099**	**.00005**	**-.00345**	**.00185**	**.00029**	**-.00003**
Stddev	.00006	.00016	.00203	.00015	.00004	.00012	.00287	.00319	.00009	.00015
%RSD	5.2905	29.229	146.29	47.619	4.1861	222.23	83.136	172.17	31.012	499.62
#1	-.00113	-.00044	-.00282	.00020	-.00096	.00014	-.00142	.00411	.00023	.00008
#2	-.00105	-.00066	.00005	.00041	-.00102	-.00003	-.00548	-.00040	.00036	-.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	W **.00217**	**-.00031**	**-.08488**	**.00066**	W **-.02074**	F **-.00053**	**.00070**	F **.10763**	**-.00011**
Stddev	.00036	.00016	.00246	.02946	.00104	.00122	.00007	.00028	.00123	.00021
%RSD	98.452	7.1512	794.96	34.713	157.49	5.8929	12.562	39.391	1.1441	189.35
#1	.00011	.00228	-.00205	-.06404	.00139	-.02161	-.00048	.00051	.10676	-.00025
#2	.00062	.00206	.00143	-.10571	-.00007	-.01988	-.00058	.00090	.10850	.00004
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00051		.10000	
Low Limit		-.00136				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00140**	**.00423**	W **.00335**	**-.00330**	**.01243**	**.00089**	**.00013**	**-.00729**	**-.00052**
Stddev	.00034	.00027	.00134	.00236	.00309	.01447	.00014	.00016	.00047	.00001
%RSD	98.842	19.240	31.624	70.486	93.554	116.37	16.052	124.67	6.4327	2.4857
#1	.00010	-.00159	.00328	.00168	-.00549	.00220	.00079	.00002	-.00762	-.00051
#2	.00058	-.00121	.00517	.00502	-.00112	.02266	.00099	.00024	-.00696	-.00053
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00156**	**-.00737**	**-.00073**	**.00130**	**-.00040**
Stddev	.00017	.01353	.00001	.00045	.00088
%RSD	11.022	183.47	1.0097	34.814	219.62
#1	-.00144	-.01694	-.00072	.00162	-.00103
#2	-.00168	.00219	-.00073	.00098	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.3**	**62408.**	**4359.8**
Stddev	5.4	43.	6.1
%RSD	.12339	.06830	.13945
#1	4358.5	62438.	4364.1
#2	4366.1	62378.	4355.5

Sample Name: CCVL1341782 Acquired: 4/3/2012 0:55:38 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00897**	**.11279**	W **.01886**	**.10388**	**.00963**	**.00099**	**.11365**	**.20130**	**.00554**	**.01019**	**.01014**
Stddev	.00001	.00006	.00073	.00001	.00014	.00004	.00181	.00496	.00006	.00004	.00004
%RSD	.12678	.05745	3.8941	.01304	1.4329	4.1278	1.5927	2.4622	1.1059	.37377	.38388
#1	.00896	.11283	.01835	.10387	.00953	.00096	.11237	.20480	.00558	.01017	.01017
#2	.00897	.11274	.01938	.10389	.00973	.00102	.11493	.19779	.00550	.01022	.01011
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01831**	**.09345**	**3.0127**	**.01125**	**.19172**	**.00984**	**.02016**	**1.1049**	**.04278**	**3.1179**	**.00871**
Stddev	.00024	.00091	.0282	.00006	.00219	.00004	.00001	.0164	.00043	.0037	.00112
%RSD	1.2896	.97499	.93493	.53708	1.1421	.41402	.07276	1.4816	.99755	.11849	12.830
#1	.01815	.09280	2.9928	.01129	.19017	.00981	.02015	1.0933	.04308	3.1153	.00792
#2	.01848	.09409	3.0326	.01121	.19327	.00987	.02017	1.1165	.04247	3.1205	.00950
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**.01004**	F **.00935**	**.48456**	**.10097**	**.01038**	F **.00752**	**.00934**	**.01583**	W **.07752**	**.00935**
Stddev	.00346	.00405	.00767	.01722	.00003	.00001	.00077	.00008	.00025	.00286	.00028
%RSD	143.44	40.387	82.032	3.5539	.02774	.05405	10.267	.80519	1.5627	3.6917	3.0198
#1	-.00486	.00717	.00393	.49674	.10095	.01038	.00697	.00939	.01565	.07955	.00955
#2	.00003	.01290	.01477	.47239	.10099	.01039	.00807	.00929	.01600	.07550	.00915
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value			.01500				.01500			.06000	
Range			-30.000%				-30.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02231**	**.01686**
Stddev	.00017	.00217
%RSD	.77097	12.878
#1	.02243	.01532
#2	.02219	.01839
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4439.8**	**63008.**	**4415.5**
Stddev	4.6	209.	21.1
%RSD	.10413	.33245	.47750
#1	4436.5	63156.	4430.4
#2	4443.1	62860.	4400.6

TestAmerica
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ICP Data Review Checklist

TALS BATCH NUMBER: 114003, 114004, 114005	**Earliest due date:** 4/3/12	
Run Date: 4/2/12	**Analyst:** HEB	**Instrument:** 26
QC programs/Methods Run: 6010B, DoDv4.1, 200.7, DoDv3		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations ≥ the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: Heidi Bowen **Date:** 4/3/12

Comments:

2nd Level Reviewer: Yongmin Do **Date:** 4/3/12

Comments:

Sample Name: ICIS Acquired: 4/3/2012 10:10:46 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00277**	**.00013**	**-.03630**	**-.00023**	**.00049**	**.01319**	**-.00034**	**-.00061**	**.01252**	**.00085**	**-.00031**	**-.00015**
Stddev	.00010	.00001	.00039	.00017	.00001	.00088	.00052	.00029	.00086	.00026	.00007	.00001
%RSD	3.5385	3.8647	1.0876	75.269	2.3388	6.6735	154.32	47.573	6.8736	30.084	21.818	7.1834
#1	-.00270	.00013	-.03602	-.00011	.00048	.01256	-.00070	-.00040	.01192	.00067	-.00026	-.00015
#2	-.00284	.00014	-.03658	-.00035	.00050	.01381	.00003	-.00081	.01313	.00104	-.00036	-.00014

Elem	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00643**	**.00024**	**.00148**	**.02115**	**-.01347**	**.00002**	**.00037**	**.00006**	**-.00085**	**-.02796**	**-.00082**	**.00013**
Stddev	.00017	.00030	.00030	.00028	.00084	.00002	.00000	.00003	.00332	.00461	.00009	.00010
%RSD	2.7058	127.42	20.445	1.3474	6.2249	81.809	.80833	52.758	390.35	16.495	11.400	74.762
#1	.00631	.00045	.00169	.02095	-.01406	.00001	.00036	.00004	-.00320	-.02470	-.00089	.00020
#2	.00655	.00002	.00126	.02135	-.01287	.00004	.00037	.00008	.00150	-.03122	-.00076	.00006

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00024**	**-.00061**	**-.00019**	**.00047**	**.00165**	**.00004**	**-.00303**	**-.00011**	**-.00022**	**-.00015**	**.00055**	**.00084**
Stddev	.00034	.00014	.00010	.00008	.00057	.00009	.00079	.00006	.00002	.00001	.00005	.00001
%RSD	142.70	22.891	53.393	16.832	34.477	205.15	26.179	57.749	7.5548	5.7353	8.2688	.64819
#1	-.00048	-.00071	-.00026	.00052	.00206	-.00002	-.00359	-.00015	-.00023	-.00016	.00058	.00083
#2	.00000	-.00052	-.00012	.00041	.00125	.00010	-.00247	-.00006	-.00021	-.00014	.00052	.00084

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00000**	**-.00310**
Stddev	.0000	.00018
%RSD	182.96	5.7031
#1	-.00001	-.00298
#2	.00000	-.00323

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4328.6**	**61423.**	**3974.9**
Stddev	5.4	65.	5.5
%RSD	.12587	.10516	.13739
#1	4332.4	61469.	3971.1
#2	4324.7	61377.	3978.8

Sample Name: IC1 Acquired: 4/3/2012 10:13:20 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.24392**	**.12077**	**.09599**	**.31066**	**5.0068**	**10.278**	**2.3308**	**1.6128**	**.90645**	**1.0402**	**.38071**	**1.1188**	**6.9611**
Stddev	.00016	.00010	.00013	.00075	.0148	.023	.0070	.0003	.00134	.0015	.00059	.0027	.0101
%RSD	.06446	.08389	.13696	.24215	.29490	.22236	.30263	.02124	.14810	.14836	.15553	.24406	.14482
#1	.24403	.12070	.09608	.31013	4.9964	10.262	2.3258	1.6130	.90740	1.0413	.38113	1.1169	6.9540
#2	.24381	.12084	.09590	.31120	5.0173	10.294	2.3358	1.6125	.90550	1.0392	.38030	1.1207	6.9682

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.8086**	**.89729**	**1.2222**	**.58266**	**2.3143**	**.68967**	**.08543**	**.48109**	**.19970**	**.09235**	**.56556**	**.21917**	**11.344**
Stddev	.0110	.00051	.0022	.00152	.0069	.00121	.00008	.00066	.00011	.00008	.00263	.00056	.019
%RSD	.38981	.05696	.18427	.26046	.29719	.17533	.09044	.13760	.05551	.08697	.46501	.25337	.16608
#1	2.8009	.89765	1.2238	.58374	2.3094	.69053	.08548	.48156	.19978	.09241	.56370	.21956	11.331
#2	2.8164	.89693	1.2207	.58159	2.3191	.68882	.08537	.48063	.19962	.09230	.56742	.21877	11.357

Elem	Ti3349	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.36467**	**.19594**	**.21671**	**.03322**	**.46788**
Stddev	.00074	.00015	.00001	.00005	.00283
%RSD	.20321	.07449	.00533	.13560	.60514
#1	.36519	.19605	.21670	.03326	.46587
#2	.36415	.19584	.21672	.03319	.46988

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4287.0**	**59200.**	**3956.6**
Stddev	34.6	125.	8.9
%RSD	.80649	.21194	.22539
#1	4262.5	59111.	3962.9
#2	4311.4	59289.	3950.3

Sample Name: IC2 Acquired: 4/3/2012 10:15:38 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6.6267**	**.20287**	**.99306**	**3.2508**	**.25523**	**.58241**	**.13101**
Stddev	.0192	.00052	.00145	.0126	.00007	.00023	.00012
%RSD	.29034	.25825	.14629	.38855	.02770	.03899	.09498
#1	6.6403	.20250	.99408	3.2598	.25518	.58225	.13092
#2	6.6131	.20324	.99203	3.2419	.25528	.58257	.13110

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4167.6**	**57938.**	**4033.2**
Stddev	.4	107.	12.4
%RSD	.00913	.18408	.30770
#1	4167.9	58014.	4042.0
#2	4167.4	57863.	4024.4

Sample Name: S1-1338460 Acquired: 4/3/2012 10:18:11 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0014**	**1.0123**	**1.9979**	**1.0004**	**.99276**	**.98778**	**-.00029**	**9.9472**	**.99874**	**.99952**	**.99983**	**.99276**	**4.9610**
Stddev	.0005	.0029	.0027	.0024	.00142	.00119	.00389	.0299	.00133	.00203	.00050	.00010	.0139
%RSD	.04937	.28931	.13715	.23922	.14331	.12057	1355.9	.30012	.13355	.20338	.05048	.00962	.27995
#1	1.0018	1.0102	1.9960	.99871	.99376	.98862	.00246	9.9683	.99780	.99808	.99947	.99270	4.9708
#2	1.0011	1.0144	1.9999	1.0021	.99175	.98693	-.00304	9.9261	.99968	1.0010	1.0002	.99283	4.9512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**98.532**	**1.9724**	**39.647**	**.99077**	**.99748**	**10.123**	**10.204**	**.99698**	**1.9987**	**1.9980**	**.00455**	**1.9936**	**2.0027**
Stddev	.153	.0020	.036	.00081	.00065	.028	.150	.00026	.0024	.0009	.00032	.0008	.0054
%RSD	.15521	.10256	.09088	.08183	.06548	.27805	1.4719	.02595	.12054	.04576	7.0463	.04202	.26891
#1	98.640	1.9738	39.622	.99019	.99702	10.143	10.098	.99680	2.0004	1.9973	.00432	1.9930	2.0065
#2	98.424	1.9709	39.673	.99134	.99795	10.104	10.310	.99716	1.9970	1.9986	.00478	1.9942	1.9988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8145**	**2.0144**	**.98640**	**.00145**	**.99614**	**2.0023**	**.00596**	**.99858**	**.99301**	**.98813**
Stddev	.0173	.0040	.00094	.00046	.00095	.0045	.02551	.00092	.00202	.00368
%RSD	.17597	.20101	.09508	31.985	.09506	.22533	427.96	.09244	.20348	.37224
#1	9.8022	2.0173	.98706	.00112	.99548	1.9991	.02400	.99793	.99444	.99073
#2	9.8267	2.0116	.98573	.00178	.99681	2.0055	-.01208	.99924	.99158	.98553
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4297.4**	**60230.**	**4068.9**
Stddev	9.0	130.	9.9
%RSD	.21038	.21635	.24318
#1	4303.8	60322.	4061.9
#2	4291.0	60138.	4075.9

Sample Name: S2-1338466 Acquired: 4/3/2012 10:20:27 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00843**	**99.701**	**-.00561**	**.00583**	**.00118**	**.00030**	**1.9922**	**.02248**	**-.00337**	**.00402**	**.00030**	**.00898**	**99.805**
Stddev	.00148	.370	.00440	.00004	.00019	.00007	.0077	.00281	.00010	.00019	.00034	.00032	.311
%RSD	17.593	.37109	78.347	.72396	16.555	24.535	.38694	12.518	2.8534	4.7406	112.20	3.5409	.31200
#1	.00738	99.439	-.00250	.00586	.00131	.00035	1.9867	.02049	-.00330	.00389	.00054	.00875	99.584
#2	.00948	99.962	-.00872	.00580	.00104	.00025	1.9976	.02447	-.00344	.00416	.00006	.00920	100.02
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18177**	**.00333**	**-.02502**	**-.00031**	**-.00082**	**497.83**	**.00362**	**.01430**	**.00352**	**9.9778**	**-.00051**	**-.00980**	**.02313**
Stddev	.02754	.00012	.00548	.00005	.00041	3.26	.00005	.00249	.00134	.0291	.00003	.00038	.00806
%RSD	15.150	3.5225	21.887	15.641	50.274	.65463	1.3550	17.430	37.990	.29154	5.8836	3.8384	34.851
#1	.20124	.00341	-.02889	-.00034	-.00053	495.53	.00359	.01607	.00447	9.9573	-.00049	-.01006	.02883
#2	.16230	.00324	-.02114	-.00028	-.00111	500.14	.00365	.01254	.00257	9.9984	-.00053	-.00953	.01743
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00804**	**.00091**	**9.9689**	**.00171**	**.00507**	**19.994**	**.01850**	**.00488**	**-.02490**
Stddev	.00072	.00001	.0058	.00006	.00056	.088	.00010	.00004	.00035
%RSD	8.9385	.99665	.05815	3.3163	10.980	.44157	.54059	.77424	1.3990
#1	.00753	.00092	9.9730	.00167	.00467	20.057	.01843	.00485	-.02465
#2	.00854	.00090	9.9648	.00175	.00546	19.932	.01857	.00490	-.02514
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4176.0**	**57612.**	**4037.9**
Stddev	6.3	19.	17.0
%RSD	.15196	.03374	.42010
#1	4171.5	57626.	4049.9
#2	4180.5	57598.	4025.9

Sample Name: ICVH-1338471 Acquired: 4/3/2012 10:22:59 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00242**	**39.096**	**-.00729**	**.00279**	**.00059**	**.00004**	W **.52551**	**38.278**	**-.00102**	**.00118**	**.00076**
Stddev	.00093	.106	.00306	.00015	.00035	.00005	.00111	.095	.00005	.00003	.00022
%RSD	38.303	.27203	41.974	5.2847	59.392	105.33	.21044	.24839	5.0309	2.7756	29.353
#1	.00307	39.172	-.00513	.00268	.00034	.00001	.52629	38.345	-.00098	.00120	.00060
#2	.00176	39.021	-.00946	.00289	.00084	.00008	.52473	38.211	-.00106	.00115	.00092
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	Chk Pass	None	None	None
Value							.50000				
Range							5.0000%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**77.256**	**.08078**	**.00235**	**-.01848**	**.00080**	**-.00097**	**39.917**	**.00195**	**.00666**	**.00159**
Stddev	.00005	.033	.03081	.00142	.00149	.00000	.00015	.165	.00024	.00081	.00166
%RSD	2.3255	.04244	38.145	60.424	8.0807	.60881	15.188	.41426	12.152	12.159	104.86
#1	.00209	77.279	.10257	.00135	-.01954	.00080	-.00087	39.800	.00212	.00608	.00041
#2	.00216	77.233	.05899	.00336	-.01743	.00080	-.00108	40.033	.00178	.00723	.00276
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8901**	**.00122**	**-.00378**	**.02752**	**.00247**	**.00036**	**2.9445**	**.00001**	**.00124**	**4.9207**	**.00532**
Stddev	.0001	.00044	.00743	.00779	.00012	.00013	.0063	.00009	.00141	.0262	.00007
%RSD	.00239	36.390	196.62	28.311	4.8105	36.292	.21319	1566.8	113.65	.53210	1.3555
#1	3.8902	.00153	-.00903	.02201	.00255	.00027	2.9489	.00007	.00224	4.9022	.00537
#2	3.8901	.00090	.00147	.03303	.00239	.00045	2.9401	-.00006	.00024	4.9392	.00527
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**2.4530**	**-.00805**
Stddev	.0001	.00127
%RSD	.00280	15.721
#1	2.4530	-.00715
#2	2.4530	-.00894
Check ?	Chk Pass	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4372.8**	**60837.**	**4137.2**
Stddev	6.3	13.	21.8
%RSD	.14466	.02072	.52694
#1	4377.3	60846.	4152.6
#2	4368.3	60828.	4121.8

Sample Name: ICV-1332160 Acquired: 4/3/2012 10:26:37 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25223**	F **.26404**	**.24050**	**.24399**	**.25340**	**.24308**	**-.00329**	**2.0156**	**.25008**	**.25550**	**.25851**	**.25246**
Stddev	.00010	.00038	.00230	.00082	.00078	.00063	.00126	.0009	.00037	.00117	.00097	.00091
%RSD	.03792	.14234	.95571	.33540	.30977	.26038	38.297	.04367	.14757	.45974	.37587	.36219
#1	.25216	.26378	.24212	.24457	.25284	.24264	-.00240	2.0150	.25034	.25633	.25920	.25181
#2	.25229	.26431	.23887	.24341	.25395	.24353	-.00418	2.0162	.24982	.25467	.25783	.25311
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.0000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26128**	**19.729**	**.25260**	**9.8691**	**.25456**	**.24928**	**2.0859**	**.25621**	**1.9163**	**.25535**	**.00118**	**.24711**
Stddev	.00302	.093	.00157	.0242	.00017	.00096	.0024	.00037	.0045	.00142	.00021	.00184
%RSD	1.1542	.46899	.62286	.24489	.06499	.38388	.11670	.14426	.23444	.55578	17.431	.74503
#1	.25915	19.663	.25148	9.8520	.25444	.24996	2.0876	.25647	1.9194	.25636	.00103	.24841
#2	.26341	19.794	.25371	9.8862	.25468	.24860	2.0842	.25595	1.9131	.25435	.00133	.24581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47993**	**2.0169**	**.50724**	**.25172**	**-.00037**	**.24893**	**.52072**	**-.01818**	**.25230**	**.24767**	**.24374**
Stddev	.00208	.0093	.00105	.00099	.00302	.00057	.00091	.00856	.00026	.00094	.00259
%RSD	.43439	.45997	.20747	.39192	807.78	.22805	.17394	47.088	.10187	.37798	1.0643
#1	.48141	2.0104	.50798	.25102	-.00251	.24933	.52136	-.01213	.25211	.24834	.24557
#2	.47846	2.0235	.50650	.25242	.00176	.24853	.52008	-.02424	.25248	.24701	.24190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4327.4**	**61129.**	**4091.3**
Stddev	10.1	100.	21.9
%RSD	.23377	.16414	.53528
#1	4320.2	61058.	4106.7
#2	4334.5	61200.	4075.8

Sample Name: ICVL1342846 Acquired: 4/3/2012 10:29:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	**.10716**	F **.00890**	**.09583**	**.01070**	**.00099**	**.10807**	**.20418**	**.00501**	**.01049**	**.01097**
Stddev	.00027	.00098	.00081	.00058	.00001	.00001	.00022	.00508	.00014	.00005	.00012
%RSD	2.7110	.91875	9.1193	.60472	.13750	1.1495	.20370	2.4856	2.8071	.48599	1.0989
#1	.00994	.10647	.00948	.09542	.01069	.00098	.10823	.20059	.00511	.01052	.01105
#2	.01033	.10786	.00833	.09624	.01071	.00100	.10792	.20777	.00491	.01045	.01088
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			-30.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01482**	**.10529**	**3.0096**	F **.01333**	**.20358**	**.01029**	**.01960**	**1.0592**	**.04136**	**2.7694**	**.01070**
Stddev	.00013	.00133	.0084	.00060	.00232	.00002	.00008	.0110	.00007	.0071	.00044
%RSD	.88186	1.2667	.28083	4.5374	1.1396	.18892	.39424	1.0425	.16126	.25717	4.0836
#1	.01492	.10435	3.0036	.01376	.20522	.01030	.01965	1.0670	.04141	2.7644	.01039
#2	.01473	.10624	3.0156	.01290	.20194	.01027	.01954	1.0514	.04131	2.7745	.01101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00429**	**.01040**	W **.01094**	**.48445**	**.10187**	**.01012**	**.01621**	**.00994**	**.01441**	W **.04584**	**.00991**
Stddev	.00216	.00066	.00130	.00513	.00012	.00003	.00265	.00023	.00106	.03690	.00108
%RSD	50.219	6.3654	11.893	1.0589	.12151	.31491	16.334	2.3212	7.3207	80.488	10.882
#1	-.00277	.00994	.01002	.48082	.10195	.01010	.01434	.01010	.01516	.07193	.00915
#2	-.00582	.01087	.01186	.48807	.10178	.01015	.01808	.00977	.01367	.01975	.01068
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value			.01500							.06000	
Range			-20.000%							-20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02196**	W **.01804**
Stddev	.00003	.00212
%RSD	.12695	11.754
#1	.02198	.01654
#2	.02194	.01954
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4341.7**	**61982.**	**4071.9**
Stddev	1.2	11.	.9
%RSD	.02715	.01808	.02268
#1	4340.8	61974.	4072.5
#2	4342.5	61990.	4071.2

Sample Name: CCVH-1338467 Acquired: 4/3/2012 10:31:30 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00435**	**49.737**	**-.00555**	**.00239**	**.00045**	**-.00007**	**1.0023**	**.00316**	**-.00210**	**.00202**	**.00053**	**.00392**	**49.553**
Stddev	.00038	.088	.00029	.00024	.00033	.00008	.0061	.00225	.00008	.00017	.00002	.00010	.238
%RSD	8.6483	.17755	5.2228	10.240	72.456	107.06	.60650	71.140	3.9275	8.4232	3.0756	2.5250	.47999
#1	.00409	49.674	-.00534	.00256	.00022	-.00002	1.0066	.00475	-.00204	.00190	.00052	.00399	49.384
#2	.00462	49.799	-.00575	.00222	.00069	-.00013	.99796	.00157	-.00216	.00214	.00054	.00385	49.721
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03292**	**-.00025**	**-.01387**	**-.00023**	**-.00098**	**249.20**	**.00203**	**.00555**	**.00044**	**4.9469**	**-.00463**	**-.00586**	**.02423**
Stddev	.04539	.00027	.00080	.00002	.00009	1.25	.00020	.00127	.00139	.0016	.00193	.00523	.01039
%RSD	137.88	108.58	5.7975	8.6598	8.8192	.50070	9.9559	22.954	315.15	.03146	41.634	89.311	42.871
#1	.06502	-.00006	-.01330	-.00025	-.00105	248.32	.00217	.00465	-.00054	4.9458	-.00327	-.00956	.03158
#2	.00082	-.00044	-.01444	-.00022	-.00092	250.08	.00189	.00645	.00142	4.9480	-.00599	-.00216	.01689
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00249**	**.00040**	**4.9538**	**.00090**	**.00368**	**10.050**	**.00948**	**.00294**	**-.01384**
Stddev	.00012	.00000	.0118	.00024	.00106	.007	.00020	.00024	.00200
%RSD	4.8200	1.0117	.23790	26.617	28.841	.07256	2.0993	8.0239	14.467
#1	.00257	.00040	4.9621	.00107	.00443	10.056	.00934	.00311	-.01526
#2	.00241	.00039	4.9454	.00073	.00293	10.045	.00962	.00277	-.01242
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4296.6**	**59510.**	**4065.6**
Stddev	8.1	154.	7.3
%RSD	.18954	.25855	.18071
#1	4302.3	59401.	4070.8
#2	4290.8	59618.	4060.4

Sample Name: CCV-1338469 Acquired: 4/3/2012 10:33:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50696**	**.51285**	**.98989**	**.50294**	**.49589**	**.48717**	**-.00085**	**4.9572**	**.50087**	**.50426**	**.50109**	**.49669**	**2.4597**
Stddev	.00024	.00182	.00036	.00045	.00088	.00068	.00016	.0014	.00014	.00045	.00005	.00118	.0033
%RSD	.04722	.35480	.03664	.08967	.17789	.13880	19.239	.02836	.02699	.08893	.01004	.23838	.13255
#1	.50679	.51156	.99014	.50262	.49652	.48764	-.00073	4.9562	.50097	.50394	.50113	.49753	2.4620
#2	.50713	.51414	.98963	.50326	.49527	.48669	-.00097	4.9582	.50078	.50458	.50106	.49585	2.4574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.810**	**.98043**	**19.932**	**.49353**	**.49493**	**4.9834**	**.50344**	**.99183**	**1.0120**	**-.00518**	**.99350**	**1.0022**	**4.8675**
Stddev	.123	.00384	.042	.00046	.00049	.0142	.00126	.00277	.0011	.00284	.00049	.0015	.0164
%RSD	.25164	.39151	.21119	.09323	.09872	.28472	.25011	.27929	.11141	54.846	.04928	.15082	.33584
#1	48.897	.98314	19.962	.49385	.49527	4.9935	.50255	.98987	1.0128	-.00317	.99315	1.0011	4.8790
#2	48.723	.97771	19.902	.49320	.49458	4.9734	.50433	.99379	1.0112	-.00718	.99385	1.0033	4.8559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0141**	**.49014**	**.00072**	**.49610**	**1.0258**	**.04358**	**.49910**	**.50121**	**.49107**
Stddev	.0001	.00116	.00034	.00065	.0002	.04044	.00107	.00207	.00162
%RSD	.00692	.23644	46.659	.13196	.02294	92.797	.21359	.41360	.32998
#1	1.0142	.49096	.00048	.49656	1.0259	.07217	.49985	.50268	.49222
#2	1.0141	.48932	.00096	.49564	1.0256	.01498	.49835	.49975	.48993
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.2**	**60910.**	**4093.0**
Stddev	1.4	75.	12.9
%RSD	.03286	.12361	.31588
#1	4363.2	60857.	4083.8
#2	4361.2	60963.	4102.1

Sample Name: ICB Acquired: 4/3/2012 10:36:16 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00133**	**-.00276**	W **.00220**	**.00046**	**.00009**	**-.00585**	**.00281**	**-.00008**	**-.00004**	**.00061**
Stddev	.00059	.00015	.00165	.00052	.00009	.00011	.00298	.00300	.00002	.00022	.00005
%RSD	420.49	11.644	59.646	23.768	20.213	113.88	50.987	106.66	32.380	636.33	8.9802
#1	.00028	.00122	-.00160	.00257	.00040	.00017	-.00796	.00069	-.00006	-.00019	.00057
#2	-.00056	.00144	-.00392	.00183	.00053	.00002	-.00374	.00493	-.00009	.00012	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.00369**	**.05471**	**.00005**	**-.00347**	**-.00002**	**.00070**	**.04719**	**.00013**	**.00129**	**.00095**
Stddev	.00001	.00092	.00502	.00226	.00169	.00005	.00018	.01107	.00058	.00052	.00023
%RSD	1.9702	24.893	9.1772	4570.6	48.660	234.65	25.464	23.462	460.50	40.172	23.936
#1	-.00046	.00304	.05826	-.00155	-.00228	-.00006	.00057	.05502	-.00029	.00166	.00079
#2	-.00044	.00434	.05116	.00165	-.00466	.00001	.00083	.03936	.00054	.00092	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00236**	W **.00336**	**-.00363**	**.00855**	**.00008**	**.00003**	**.00034**	**.00005**	**.00133**	**-.01332**	**-.00040**
Stddev	.00320	.00012	.00081	.00999	.00071	.00011	.00050	.00061	.00049	.01683	.00001
%RSD	135.77	3.6345	22.291	116.85	851.41	321.32	146.53	1331.9	36.824	126.35	3.5017
#1	-.00462	.00327	-.00306	.00149	-.00042	-.00004	.00069	.00048	.00099	-.02522	-.00041
#2	-.00009	.00344	-.00421	.01561	.00058	.00011	-.00001	-.00039	.00168	-.00142	-.00039
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00172**	**.00022**
Stddev	.00024	.00088
%RSD	13.962	407.98
#1	.00155	-.00041
#2	.00189	.00084
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4316.5**	**61205.**	**4009.8**
Stddev	9.2	165.	6.4
%RSD	.21394	.26983	.16010
#1	4310.0	61088.	4014.4
#2	4323.0	61322.	4005.3

Sample Name: CRI-1342845 Acquired: 4/3/2012 10:38:48 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**.11420**	W **.00757**	**.10436**	**.00598**	**.00113**	**.11792**	**.22391**	**.00542**	**.00549**	**.01196**
Stddev	.00014	.00053	.00181	.00044	.00021	.00001	.00179	.00128	.00012	.00003	.00000
%RSD	1.3606	.46273	23.881	.41996	3.4833	1.3017	1.5141	.56947	2.1268	.60096	.01700
#1	.01013	.11383	.00629	.10405	.00613	.00114	.11666	.22301	.00534	.00547	.01196
#2	.01033	.11458	.00885	.10467	.00583	.00112	.11918	.22481	.00550	.00551	.01196
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000								
Range			-20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01055**	**.03537**	**1.0862**	**.01011**	**.21655**	**.00339**	**.01003**	**1.1199**	**.01114**	**1.0142**	W **.00422**
Stddev	.00031	.00094	.0294	.00255	.00163	.00002	.00023	.0003	.00004	.0074	.00027
%RSD	2.9551	2.6694	2.7064	25.210	.75378	.61974	2.3145	.02585	.31456	.72983	6.3132
#1	.01033	.03604	1.1069	.01192	.21539	.00338	.01019	1.1201	.01112	1.0089	.00441
#2	.01077	.03471	1.0654	.00831	.21770	.00341	.00986	1.1197	.01117	1.0194	.00403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value											.00300
Range											20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09797**	**.01009**	W **.00619**	**.50201**	**.02091**	**.00537**	W **.01237**	**.00992**	**.01050**	**.06175**	**.01047**
Stddev	.00264	.00018	.00653	.01345	.00024	.00017	.00044	.00035	.00078	.01010	.00034
%RSD	2.6936	1.7796	105.50	2.6797	1.1687	3.1313	3.5711	3.5290	7.4720	16.355	3.2402
#1	.09983	.01021	.00157	.51152	.02108	.00525	.01268	.00967	.00994	.06889	.01071
#2	.09610	.00996	.01081	.49249	.02074	.00549	.01206	.01016	.01105	.05461	.01023
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000				.01000				
Range			-20.000%				20.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.01329**	**.01090**
Stddev	.00002	.00068
%RSD	.14290	6.2606
#1	.01330	.01042
#2	.01327	.01138
Check ?	Chk Warn	Chk Pass
Value	.01000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4348.1**	**61637.**	**4044.9**
Stddev	7.3	13.	27.6
%RSD	.16732	.02148	.68193
#1	4353.2	61647.	4025.4
#2	4342.9	61628.	4064.4

Sample Name: cri-1343077 Acquired: 4/3/2012 10:46:32 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00043**	**.01529**	**.00103**	**.00029**	**.00013**	**-.00022**	**-.00083**	**.00005**	**-.00016**
Stddev	.00069	.00037	.00265	.00048	.00026	.00006	.00448	.00533	.00013	.00011
%RSD	263.03	85.485	17.359	46.426	89.396	47.211	2061.7	641.60	234.94	66.409
#1	-.00022	.00017	.01717	.00136	.00047	.00017	.00295	-.00460	-.00004	-.00024
#2	.00075	.00069	.01341	.00069	.00011	.00008	-.00338	.00294	.00014	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00051**	**.00262**	**.02294**	**.00165**	**.00140**	**.00006**	**-.00009**	**.01238**	**.00017**
Stddev	.00002	.00011	.00056	.03621	.00083	.00063	.00006	.00022	.00048	.00042
%RSD	3.6608	21.515	21.202	157.84	50.548	45.061	105.14	262.21	3.9058	240.63
#1	.00056	-.00043	.00302	-.00266	.00224	.00095	.00001	-.00024	.01272	.00047
#2	.00059	-.00059	.00223	.04854	.00106	.00184	.00010	.00007	.01204	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.01129**	**-.00809**	**-.00023**	**.01377**	**.01738**	**.00105**	**.00003**	**.00095**	**-.00002**
Stddev	.0023	.00144	.00231	.00237	.00121	.01134	.00112	.00007	.00150	.00007
%RSD	76025.	12.775	28.504	1044.4	8.8132	65.224	106.03	247.60	157.79	425.68
#1	.00163	.01231	-.00972	.00145	.01291	.02540	.00026	-.00002	.00201	-.00006
#2	-.00164	.01027	-.00646	-.00190	.01463	.00937	.00185	.00008	-.00011	.00003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00804**	**-.00059**	**.01913**	**.00150**
Stddev	.00018	.02497	.00007	.00045	.00028
%RSD	127.46	310.42	12.176	2.3482	18.646
#1	.00001	-.02570	-.00064	.01945	.00131
#2	.00027	.00961	-.00054	.01882	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4332.1**	**61560.**	**4042.5**
Stddev	5.6	239.	7.5
%RSD	.13025	.38809	.18548
#1	4328.1	61391.	4037.2
#2	4336.1	61729.	4047.8

Sample Name: cri-1343077 Acquired: 4/3/2012 10:53:15 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00053**	**.01655**	**.00052**	**.00034**	**.00007**	**-.00307**	**.00803**	**.00002**	**-.00019**
Stddev	.00071	.00016	.00126	.00027	.00010	.00001	.00059	.00144	.00019	.00004
%RSD	120.36	29.572	7.5920	51.839	30.499	16.620	19.267	17.933	1077.8	23.449
#1	.00009	.00064	.01744	.00070	.00041	.00008	-.00349	.00701	.00015	-.00022
#2	.00109	.00042	.01566	.00033	.00026	.00006	-.00265	.00905	-.00012	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00067**	**.00623**	**.03632**	**-.00159**	**.00058**	**.00005**	**-.00025**	**.02026**	**.00021**
Stddev	.00001	.00004	.00172	.04916	.00004	.00045	.00002	.00000	.01506	.00008
%RSD	1.3718	6.6813	27.593	135.35	2.2198	76.653	34.153	1.7686	74.332	39.144
#1	.00058	-.00064	.00745	.07109	-.00156	.00090	.00004	-.00025	.00961	.00015
#2	.00059	-.00070	.00502	.00156	-.00161	.00027	.00007	-.00025	.03092	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00911**	**-.00403**	**.00011**	**.00887**	**.02095**	**.00021**	**.00004**	**-.00081**	**.00005**
Stddev	.00037	.00095	.00248	.00180	.00660	.00679	.00011	.00007	.00021	.00030
%RSD	26.937	10.468	61.542	1672.3	74.430	32.415	54.022	185.84	25.705	590.57
#1	.00110	.00843	-.00578	-.00117	.01354	.02575	.00029	.00008	-.00096	.00026
#2	.00162	.00978	-.00228	.00138	.00420	.01615	.00013	-.00001	-.00067	-.00016
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.01455**	**-.00087**	**.01948**	**.00127**
Stddev	.00008	.01956	.00006	.00041	.00105
%RSD	8.8567	134.45	6.8726	2.1143	82.251
#1	-.00096	.00072	-.00083	.01919	.00201
#2	-.00084	.02838	-.00091	.01977	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4326.4**	**61509.**	**4035.1**
Stddev	13.0	18.	10.5
%RSD	.30097	.02928	.25907
#1	4317.1	61496.	4027.7
#2	4335.6	61522.	4042.5

Sample Name: ICSA-1333972 Acquired: 4/3/2012 10:59:22 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**511.98**	W **-.00841**	W **-.00213**	**.00030**	**-.00017**	**-.01173**	**483.40**	**.00043**	**-.00091**
Stddev	.00017	.20	.00784	.00086	.00025	.00006	.00095	1.69	.00003	.00001
%RSD	89.048	.03986	93.169	40.177	81.757	37.267	8.0651	.34900	5.8249	1.6066
#1	-.00007	512.12	-.00287	-.00274	.00013	-.00021	-.01107	482.20	.00042	-.00092
#2	-.00031	511.83	-.01395	-.00153	.00048	-.00012	-.01240	484.59	.00045	-.00090
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156						
Low Limit			-.00440	-.00156						

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00283**	F **.00378**	**192.24**	**-.02453**	**-.00023**	**505.42**	F **.00245**	**-.00112**	W **.11150**	F **.00432**
Stddev	.00004	.00024	.04	.02070	.00210	.67	.00003	.00006	.00297	.00040
%RSD	1.5054	6.3517	.02142	84.375	916.35	.13311	1.4114	5.2965	2.6677	9.2306
#1	.00286	.00361	192.27	-.00990	.00126	504.94	.00247	-.00116	.11360	.00461
#2	.00280	.00395	192.21	-.03917	-.00171	505.89	.00242	-.00108	.10939	.00404
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Fail
High Limit	.00123	.00272					.00051		.09160	.00258
Low Limit	-.00132	-.00272					-.00051		-.09160	-.00258

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00875**	**.00185**	**-.07707**	**.00021**	W **-.00582**	**.01079**	**.00136**	F **.00199**	**-.00718**	F **-.00176**
Stddev	.00009	.00078	.00240	.00315	.00592	.00462	.00136	.00009	.00055	.00028
%RSD	1.0572	42.314	3.1081	1463.9	101.61	42.808	99.669	4.6042	7.6431	16.123
#1	.00881	.00129	-.07876	-.00201	-.01001	.00752	.00040	.00205	-.00679	-.00156
#2	.00868	.00240	-.07537	.00244	-.00164	.01406	.00232	.00192	-.00757	-.00196
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit					.00486			.00060		.00119
Low Limit					-.00486			-.00060		-.00119

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.02955**	F **.00324**	F **.00942**	**-.00006**
Stddev	.00040	.00167	.00032	.00002	.00087
%RSD	461.38	5.6539	9.8841	.24843	1451.4
#1	.00020	-.02836	.00301	.00944	.00055
#2	-.00037	-.03073	.00346	.00940	-.00067
Check ?	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
High Limit			.00222	.00906	
Low Limit			-.00222	-.00906	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3903.4**	**52766.**	**3941.1**
Stddev	4.8	202.	17.9
%RSD	.12339	.38280	.45367
#1	3906.8	52909.	3953.8
#2	3900.0	52623.	3928.5

Sample Name: ICSAB-1341784 Acquired: 4/3/2012 11:02:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1128**	**512.60**	**2.0029**	**1.9020**	**.50379**	**.48298**	**1.0204**	**479.71**	**1.0315**	**.46709**	**.49163**	**.53923**	**191.19**	**51.805**
Stddev	.0012	.52	.0033	.0042	.00113	.00114	.0023	2.26	.0006	.00038	.00118	.00200	.63	.003
%RSD	.10899	.10162	.16609	.21945	.22386	.23554	.22469	.47021	.05994	.08041	.23916	.37095	.33128	.00528
#1	1.1136	512.23	2.0005	1.8990	.50299	.48217	1.0188	481.30	1.0320	.46736	.49080	.54064	190.74	51.803
#2	1.1119	512.97	2.0052	1.9049	.50458	.48378	1.0220	478.11	1.0311	.46682	.49246	.53781	191.64	51.807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0295**	**507.63**	**.50545**	**.95702**	**51.619**	**.92525**	**1.9458**	**.92976**	**.92966**	**.98909**	**4.8632**	**10.145**	**9.2593**	**.99368**
Stddev	.0011	1.14	.00034	.00038	.312	.00221	.0047	.00340	.00410	.00119	.0139	.006	.0077	.00058
%RSD	.10496	.22512	.06772	.03961	.60354	.23838	.24379	.36603	.44120	.12010	.28534	.05821	.08337	.05805
#1	1.0287	506.83	.50569	.95729	51.839	.92681	1.9425	.93217	.93256	.98825	4.8730	10.141	9.2538	.99327
#2	1.0303	508.44	.50521	.95675	51.398	.92370	1.9492	.92735	.92676	.98993	4.8534	10.150	9.2647	.99408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0501**	**1.0023**	**8.5290**	**.02774**	**.51869**	**.99245**	**.95789**
Stddev	.0022	.0004	.0040	.00706	.00037	.00689	.00757
%RSD	.10959	.03761	.04738	25.464	.07188	.69454	.79009
#1	2.0517	1.0020	8.5319	.03274	.51843	.98758	.95254
#2	2.0485	1.0025	8.5261	.02275	.51895	.99732	.96325
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3925.5**	**53008.**	**3953.5**
Stddev	1.8	54.	7.2
%RSD	.04566	.10098	.18171
#1	3926.8	53046.	3948.4
#2	3924.2	52970.	3958.6

Sample Name: LRA-1341785 Acquired: 4/3/2012 11:05:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0405**	**-.19902**	**9.9447**	**9.7050**	**12.083**	**.00078**	**.00014**	**.01311**	**2.0506**	**5.0328**	**10.026**	**10.370**	**499.94**
Stddev	.0019	.00669	.0142	.0064	.038	.00014	.00485	.00317	.0029	.0075	.014	.011	1.99
%RSD	.09042	3.3605	.14320	.06619	.31139	17.959	3518.8	24.194	.14268	.14884	.14356	.10659	.39872
#1	2.0418	-.20375	9.9547	9.7095	12.110	.00088	-.00329	.01087	2.0527	5.0381	10.037	10.378	501.35
#2	2.0392	-.19429	9.9346	9.7004	12.057	.00069	.00357	.01535	2.0486	5.0275	10.016	10.362	498.53
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.09058**	**.00009**	**-.07737**	**9.9685**	**4.9249**	**.05506**	**10.087**	**-.00976**	**10.306**	**-.03569**	**.01510**	**4.9233**	**47.308**
Stddev	.00888	.00118	.00592	.0240	.0087	.02467	.018	.00404	.014	.00571	.00328	.0182	.019
%RSD	9.7992	1241.7	7.6509	.24128	.17711	44.811	.17968	41.420	.13628	15.991	21.699	.37070	.04061
#1	-.08430	.00093	-.07319	9.9515	4.9310	.07250	10.099	-.01262	10.315	-.03165	.01741	4.9363	47.321
#2	-.09685	-.00074	-.08156	9.9855	4.9187	.03761	10.074	-.00690	10.296	-.03972	.01278	4.9104	47.294
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01145**	**9.8788**	**.00062**	**9.9542**	**5.0780**	**.17104**	**10.164**	**9.8086**	**-.00499**
Stddev	.00011	.0792	.00055	.0066	.0036	.03544	.003	.0347	.00046
%RSD	.92555	.80131	88.759	.06579	.07008	20.720	.03041	.35341	9.3169
#1	-.01138	9.9348	.00023	9.9496	5.0805	.14598	10.162	9.7840	-.00466
#2	-.01153	9.8228	.00100	9.9589	5.0755	.19610	10.166	9.8331	-.00532
Check ?	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4241.1**	**59199.**	**4052.3**
Stddev	9.4	289.	21.7
%RSD	.22201	.48782	.53456
#1	4234.5	59403.	4037.0
#2	4247.8	58994.	4067.6

Sample Name: CCVH-1338467 Acquired: 4/3/2012 11:08:08 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00357**	**49.621**	**-.00115**	**.02528**	**.00145**	**.00007**	**1.0046**	**.01397**	**-.00188**	**.00209**	**.00059**	**.00426**	**49.551**
Stddev	.00011	.130	.00302	.00243	.00032	.00004	.0016	.00054	.00010	.00009	.00010	.00039	.196
%RSD	2.9808	.26172	262.88	9.6177	21.682	61.916	.15717	3.8659	5.0493	4.5368	16.960	9.1794	.39622
#1	.00365	49.529	.00099	.02700	.00168	.00010	1.0057	.01359	-.00182	.00215	.00066	.00398	49.412
#2	.00350	49.713	-.00329	.02356	.00123	.00004	1.0035	.01435	-.00195	.00202	.00052	.00453	49.690
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04545**	**.00078**	**-.00690**	**-.00002**	**.00304**	**249.49**	**.00203**	**.00637**	**.00076**	**4.9578**	**-.00308**	**-.00363**	**.07045**
Stddev	.04001	.00029	.00136	.00007	.00069	.01	.00010	.00159	.00095	.0032	.00174	.00042	.01095
%RSD	88.024	36.962	19.729	376.86	22.581	.00466	4.7590	25.009	125.38	.06511	56.604	11.467	15.551
#1	.07375	.00058	-.00786	.00003	.00255	249.49	.00197	.00524	.00143	4.9601	-.00431	-.00334	.06270
#2	.01716	.00099	-.00594	-.00007	.00353	249.48	.00210	.00750	.00009	4.9555	-.00185	-.00393	.07819
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00352**	**.00105**	**4.9464**	**.00300**	**.00692**	**10.142**	**.00937**	**.00331**	**-.01272**
Stddev	.00086	.00022	.0132	.00013	.00083	.024	.00119	.00039	.00080
%RSD	24.374	20.989	.26591	4.1746	11.975	.23351	12.708	11.770	6.2655
#1	.00291	.00120	4.9557	.00308	.00751	10.126	.00853	.00359	-.01329
#2	.00412	.00089	4.9371	.00291	.00633	10.159	.01021	.00304	-.01216
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4271.6**	**59238.**	**4056.9**
Stddev	1.1	160.	13.6
%RSD	.02494	.27002	.33530
#1	4272.4	59125.	4066.5
#2	4270.9	59352.	4047.3

Sample Name: CCV-1338469 Acquired: 4/3/2012 11:10:33 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50588**	**.51795**	**.98991**	**.51537**	**.49591**	**.48670**	**.00117**	**4.9663**	**.50085**	**.50354**	**.50094**	**.49640**	**2.4667**
Stddev	.00098	.00232	.01208	.00111	.00005	.00123	.00364	.0138	.00019	.00008	.00026	.00070	.0004
%RSD	.19348	.44806	1.2202	.21465	.01028	.25182	310.84	.27697	.03707	.01544	.05274	.14016	.01843
#1	.50657	.51631	.99845	.51615	.49588	.48757	.00374	4.9760	.50071	.50359	.50076	.49690	2.4664
#2	.50519	.51959	.98137	.51459	.49595	.48584	-.00140	4.9565	.50098	.50348	.50113	.49591	2.4670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.839**	**.97904**	**19.925**	**.49411**	**.49550**	**4.9822**	**.50268**	**.98906**	**1.0121**	**-.00149**	**.99012**	**.99720**	**4.8874**
Stddev	.003	.00117	.024	.00094	.00006	.0350	.00018	.00083	.0024	.00127	.00358	.00392	.0024
%RSD	.00667	.11955	.12205	.19007	.01231	.70310	.03606	.08420	.24200	84.824	.36186	.39264	.04834
#1	48.837	.97821	19.942	.49477	.49554	5.0070	.50256	.98847	1.0103	-.00060	.99266	.99444	4.8857
#2	48.841	.97986	19.907	.49344	.49545	4.9574	.50281	.98965	1.0138	-.00239	.98759	.99997	4.8891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0114**	**.49128**	**.00012**	**.49704**	**1.0259**	**.01138**	**.49642**	**.50100**	**.49059**
Stddev	.0001	.00026	.00077	.00014	.0035	.02691	.00207	.00197	.00272
%RSD	.01253	.05390	647.53	.02775	.34324	236.38	.41703	.39239	.55519
#1	1.0113	.49147	.00066	.49714	1.0284	.03041	.49788	.50239	.49252
#2	1.0115	.49109	-.00042	.49694	1.0234	-.00764	.49495	.49961	.48867
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4340.0**	**60541.**	**4055.7**
Stddev	4.3	218.	9.3
%RSD	.09898	.35981	.22894
#1	4343.1	60387.	4062.2
#2	4337.0	60695.	4049.1

Sample Name: CCB Acquired: 4/3/2012 11:12:51 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00315**	**-.00367**	F **.01116**	W **.00064**	**.00003**	**-.00567**	**.00554**	**.00011**	**-.00015**	**.00057**
Stddev	.00002	.00073	.00244	.00107	.00022	.00006	.00120	.00697	.00013	.00009	.00026
%RSD	9.0589	23.083	66.497	9.5474	34.532	180.96	21.135	125.93	127.37	58.528	45.713
#1	.00027	.00366	-.00194	.01191	.00048	.00007	-.00652	.01046	.00020	-.00021	.00038
#2	.00024	.00263	-.00539	.01041	.00080	-.00001	-.00482	.00061	.00001	-.00009	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312	.00058						
Low Limit				-.00312	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00617**	**.05662**	**.00161**	**.00114**	**.00006**	**.00093**	**.03406**	**.00011**	**.00229**	**.00105**
Stddev	.00006	.00022	.02201	.00007	.00161	.00004	.00015	.00270	.00055	.00118	.00047
%RSD	18.633	3.5586	38.880	4.0822	142.01	69.375	15.829	7.9195	505.07	51.639	44.829
#1	-.00028	.00633	.07219	.00156	.00228	.00009	.00082	.03216	-.00028	.00145	.00139
#2	-.00037	.00601	.04106	.00166	.00000	.00003	.00103	.03597	.00050	.00312	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00275**	W **.00454**	**-.00139**	**.01526**	**.00091**	**.00014**	**-.00028**	**.00010**	**.00113**	**-.00871**	**-.00022**
Stddev	.00094	.00093	.00082	.00342	.00025	.00008	.00149	.00017	.00086	.00328	.00003
%RSD	34.339	20.568	58.950	22.409	27.162	58.983	540.35	177.40	75.994	37.687	14.273
#1	-.00208	.00520	-.00081	.01284	.00073	.00020	.00078	.00022	.00174	-.00639	-.00020
#2	-.00342	.00388	-.00197	.01767	.00108	.00008	-.00133	-.00002	.00052	-.01103	-.00024
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00201**	**.00203**
Stddev	.00008	.00165
%RSD	3.7400	81.280
#1	.00206	.00319
#2	.00196	.00086
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4289.3**	**61296.**	**4006.2**
Stddev	1.5	143.	12.4
%RSD	.03506	.23382	.30924
#1	4288.3	61194.	3997.5
#2	4290.4	61397.	4015.0

Sample Name: CCVL1342846 Acquired: 4/3/2012 11:15:23 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.10810**	**.01340**	**.10267**	**.01010**	**.00097**	**.10818**	**.20374**	**.00486**	**.01018**	**.01103**	**.01463**
Stddev	.00001	.00073	.00071	.00090	.00002	.00014	.00310	.00048	.00011	.00036	.00007	.00034
%RSD	.07262	.67298	5.2678	.87589	.15701	14.854	2.8673	.23652	2.3193	3.5316	.60193	2.3229
#1	.01004	.10759	.01390	.10331	.01012	.00087	.10599	.20408	.00493	.01044	.01098	.01487
#2	.01005	.10862	.01290	.10203	.01009	.00107	.11037	.20340	.00478	.00993	.01107	.01439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10263**	**2.9664**	**.00932**	**.20206**	**.01021**	**.01960**	**1.0342**	**.04144**	**2.7497**	**.00967**	**-.00179**	**.00996**
Stddev	.00192	.0456	.00240	.00230	.00001	.00017	.0088	.00001	.0083	.00081	.00210	.00028
%RSD	1.8673	1.5384	25.770	1.1375	.09206	.88286	.85357	.03446	.30026	8.3279	117.62	2.7816
#1	.10399	2.9986	.00763	.20043	.01022	.01948	1.0405	.04145	2.7556	.00910	-.00030	.01016
#2	.10128	2.9341	.01102	.20368	.01021	.01972	1.0280	.04143	2.7439	.01024	-.00328	.00976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01317**	**.50420**	**.10007**	**.01007**	**.01500**	**.00950**	**.01458**	F **.07846**	**.00978**	**.02244**	**.01546**
Stddev	.00184	.01241	.00055	.00013	.00026	.00050	.00040	.00983	.00016	.00031	.00058
%RSD	13.936	2.4618	.54765	1.3343	1.7562	5.2219	2.7441	12.524	1.6097	1.3814	3.7507
#1	.01447	.49542	.09969	.00998	.01519	.00915	.01487	.07151	.00989	.02266	.01505
#2	.01187	.51297	.10046	.01017	.01481	.00985	.01430	.08541	.00967	.02222	.01587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4313.8**	**61316.**	**4027.1**
Stddev	2.2	218.	1.3
%RSD	.05108	.35614	.03182
#1	4315.3	61161.	4028.0
#2	4312.2	61470.	4026.2

Sample Name: LB 280-113582/1-C Acquired: 4/3/2012 11:17:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00275**	**-.00088**	F **.05021**	**.00466**	**.00003**	**-.00037**	F **.25957**	**-.00030**	**.00003**
Stddev	.00032	.00010	.00087	.00023	.00020	.00005	.00395	.00011	.00000	.00004
%RSD	271.52	3.6959	99.063	.45929	4.2868	137.23	1080.9	.04391	1.5321	140.71
#1	-.00034	.00268	-.00026	.05005	.00480	.00000	-.00316	.25949	-.00030	.00006
#2	.00011	.00282	-.00149	.05038	.00452	.00007	.00243	.25965	-.00030	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				.01000				.20000		
Low Limit				-.01000				-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00095**	**.00238**	**.06656**	**-.00169**	**.03941**	**.00013**	**.00006**	**273.43**	**.00048**
Stddev	.00006	.00022	.00036	.01816	.00063	.00060	.00001	.00005	.12	.00024
%RSD	17.174	22.670	15.283	27.287	37.059	1.5166	11.395	84.970	.04489	50.993
#1	.00040	.00080	.00212	.07940	-.00214	.03983	.00012	.00002	273.52	.00031
#2	.00031	.00110	.00263	.05372	-.00125	.03899	.00014	.00009	273.35	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**.00263**	**.00345**	**-.00067**	**-.00037**	**.01636**	**.00062**	**.00047**	**-.00059**	**-.00001**
Stddev	.00010	.00092	.00223	.00239	.00557	.00183	.00026	.00006	.00235	.00043
%RSD	3.1127	34.806	64.599	358.21	1519.9	11.192	42.249	12.435	399.55	4601.5
#1	.00328	.00199	.00187	-.00236	.00357	.01766	.00081	.00043	.00107	-.00031
#2	.00314	.00328	.00502	.00102	-.00430	.01507	.00044	.00052	-.00225	.00029
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.02987**	**-.00027**	F **.01055**	**.00217**
Stddev	.00062	.00847	.00055	.00038	.00070
%RSD	176.65	28.362	204.69	3.6112	32.096
#1	.00009	.02388	-.00065	.01081	.00168
#2	-.00079	.03586	.00012	.01028	.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.01000	
Low Limit				-.01000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4168.2**	**58138.**	**4054.2**
Stddev	5.4	19.	24.8
%RSD	.12854	.03264	.61167
#1	4172.0	58125.	4036.7
#2	4164.4	58152.	4071.7

Sample Name: LCS 280-113582/2-C Acquired: 4/3/2012 11:20:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20532**	**.38051**	**.78049**	**.23349**	**2.3162**	**.00929**	**.39106**	**9.4506**	**.21927**	**.09409**
Stddev	.00176	.00140	.00560	.00142	.0027	.00005	.00069	.0181	.00010	.00036
%RSD	.85720	.36745	.71749	.60740	.11749	.53741	.17543	.19162	.04724	.38768
#1	.20656	.37952	.78445	.23450	2.3143	.00933	.39058	9.4378	.21934	.09435
#2	.20408	.38150	.77653	.23249	2.3182	.00926	.39155	9.4634	.21920	.09383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0215**	**.44145**	**.19335**	**9.4445**	**.18588**	**8.9586**	**.09493**	**.19044**	F **293.96**	**.09496**
Stddev	.0009	.00127	.00315	.0329	.00253	.0502	.00007	.00027	.79	.00045
%RSD	.08625	.28760	1.6275	.34877	1.3587	.56061	.06953	.14383	.26977	.47376
#1	1.0221	.44234	.19557	9.4678	.18767	8.9941	.09498	.19063	293.40	.09528
#2	1.0209	.44055	.19112	9.4212	.18409	8.9230	.09489	.19025	294.52	.09464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									12.000	
Low Limit									8.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9230**	**1.0542**	**.00550**	**.09244**	**.57349**	F **1.8463**	**.37979**	**.18709**	**.18803**	**.19324**
Stddev	.0047	.0051	.00158	.00066	.00284	.0056	.00071	.00040	.00146	.00104
%RSD	.24285	.48233	28.720	.71156	.49596	.30613	.18731	.21291	.77494	.53820
#1	1.9263	1.0578	.00438	.09290	.57148	1.8503	.38029	.18681	.18700	.19398
#2	1.9197	1.0506	.00662	.09197	.57550	1.8423	.37929	.18737	.18906	.19251
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.48000				
Low Limit						.32000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.35788**	**.42329**	**.09740**	**.50385**	**.09270**
Stddev	.00230	.00753	.00034	.00114	.00143
%RSD	.64204	1.7798	.35195	.22575	1.5414
#1	.35950	.41796	.09715	.50465	.09169
#2	.35625	.42861	.09764	.50304	.09371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4179.9**	**58229.**	**4118.4**
Stddev	.9	93.	.9
%RSD	.02069	.15973	.02065
#1	4180.5	58163.	4119.0
#2	4179.3	58295.	4117.8

Sample Name: 280-27082-A-1-D Acquired: 4/3/2012 11:22:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.17899**	**.00007**	**.03234**	**.07152**	**.00022**	**-.00403**	**24.132**	**.00008**	**.00218**
Stddev	.00074	.00021	.00141	.00014	.00064	.00006	.00179	.139	.00002	.00030
%RSD	151.91	.11942	2089.6	.42598	.89396	26.521	44.434	.57727	20.952	13.615
#1	-.00004	.17884	-.00093	.03224	.07107	.00026	-.00276	24.034	.00007	.00239
#2	.00101	.17914	.00106	.03244	.07198	.00017	-.00529	24.231	.00010	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00697**	**.08863**	**1.6703**	**.00213**	**5.2517**	**.31462**	**.00042**	W **520.62**	**.00305**
Stddev	.00000	.00004	.00201	.0275	.00114	.0055	.00005	.00018	2.55	.00024
%RSD	.10621	.59687	2.2653	1.6484	53.476	.10435	.01632	41.937	.48943	7.7744
#1	.00127	.00700	.09005	1.6898	.00132	5.2478	.31458	.00030	518.82	.00322
#2	.00127	.00694	.08721	1.6508	.00294	5.2556	.31465	.00054	522.42	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03322**	**.00281**	**.19786**	**-.00095**	**.00360**	**1.5421**	**-.00024**	**.04411**	**.00040**	**.00727**
Stddev	.00528	.00035	.00022	.00320	.00030	.0072	.00120	.00028	.00171	.00020
%RSD	15.891	12.604	.11047	336.47	8.3952	.46615	495.61	.64377	427.10	2.8168
#1	.02949	.00256	.19802	-.00321	.00338	1.5471	-.00109	.04390	.00161	.00742
#2	.03695	.00306	.19771	.00131	.00381	1.5370	.00061	.04431	-.00081	.00713
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.02845**	**.00001**	**.02903**	**.00184**
Stddev	.00120	.00231	.00125	.00034	.00144
%RSD	590.84	8.1304	11954.	1.1729	78.269
#1	-.00105	.02681	.00089	.02927	.00286
#2	.00065	.03008	-.00087	.02879	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4148.5**	**57406.**	**4124.6**
Stddev	6.1	43.	9.4
%RSD	.14821	.07538	.22770
#1	4152.9	57437.	4131.3
#2	4144.2	57376.	4118.0

Sample Name: sd 280-27082-A-1-D@5 Acquired: 4/3/2012 11:26:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.03722**	**-.00366**	**.00947**	**.01410**	**-.00004**	**.00040**	**4.6582**	**-.00015**	**.00059**
Stddev	.00025	.00095	.00070	.00038	.00009	.00008	.00214	.0119	.00002	.00026
%RSD	57.353	2.5426	19.261	4.0016	.66704	206.82	529.91	.25567	14.948	44.514
#1	.00061	.03789	-.00416	.00974	.01416	-.00010	.00192	4.6498	-.00017	.00077
#2	.00026	.03655	-.00316	.00921	.01403	.00002	-.00111	4.6666	-.00014	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00121**	**.02431**	**.36389**	**.00046**	**1.0462**	**.06064**	**-.00009**	**100.59**	**.00106**
Stddev	.00014	.00040	.00089	.01310	.00007	.0035	.00005	.00005	.31	.00027
%RSD	33.888	33.380	3.6558	3.5989	16.059	.33575	.08044	55.669	.30681	25.660
#1	.00051	.00150	.02368	.35463	.00041	1.0437	.06061	-.00012	100.81	.00125
#2	.00031	.00093	.02494	.37315	.00051	1.0487	.06068	-.00005	100.37	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00658**	**.00187**	**.03562**	**-.00300**	**-.00231**	**.29745**	**-.00054**	**.00840**	**.00068**	**.00142**
Stddev	.00183	.00048	.00258	.00275	.00412	.00599	.00041	.00009	.00215	.00002
%RSD	27.863	25.761	7.2564	91.588	178.06	2.0147	74.718	1.1010	317.37	1.1608
#1	.00788	.00153	.03745	-.00495	.00060	.29321	-.00026	.00833	.00220	.00143
#2	.00528	.00221	.03379	-.00106	-.00522	.30169	-.00083	.00846	-.00084	.00141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**-.01719**	**-.00048**	**.00970**	**.00137**
Stddev	.00005	.01199	.00002	.00032	.00177
%RSD	12.745	69.763	4.8893	3.2869	129.25
#1	.00037	-.02567	-.00049	.00993	.00263
#2	.00045	-.00871	-.00046	.00948	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4280.9**	**60182.**	**4108.7**
Stddev	.4	201.	.2
%RSD	.01023	.33441	.00430
#1	4281.2	60039.	4108.6
#2	4280.6	60324.	4108.8

Sample Name: 280-27082-A-1-E MS Acquired: 4/3/2012 11:28:30 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.20045**	**.55796**	**.76475**	**.20596**	**2.2951**	**.00906**	**.37406**	**33.039**	**.21216**	**.09138**
Stddev	.00030	.00378	.00194	.00054	.0004	.00002	.00106	.009	.00020	.00016
%RSD	.14991	.67789	.25338	.26303	.01950	.24212	.28212	.02625	.09304	.17782
#1	.20023	.55529	.76612	.20634	2.2954	.00904	.37332	33.045	.21230	.09150
#2	.20066	.56064	.76338	.20557	2.2948	.00907	.37481	33.033	.21202	.09127
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98286**	**.42891**	**.26937**	**10.894**	**.18157**	**13.755**	**.40457**	**.18361**	W **526.03**	**.09309**
Stddev	.00048	.00029	.00196	.105	.00014	.012	.00022	.00018	.25	.00071
%RSD	.04898	.06650	.72689	.96215	.07481	.08596	.05508	.09852	.04842	.75825
#1	.98252	.42911	.27075	10.820	.18148	13.763	.40473	.18374	525.85	.09359
#2	.98320	.42870	.26799	10.968	.18167	13.747	.40441	.18348	526.21	.09260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9330**	**1.0013**	**.19339**	**.08840**	**.56173**	**3.3614**	**.36494**	**.22377**	**.18417**	**.18813**
Stddev	.0007	.0010	.00004	.00077	.00205	.0127	.00192	.00056	.00315	.00054
%RSD	.03402	.09461	.01937	.87614	.36483	.37661	.52588	.25072	1.7100	.28910
#1	1.9335	1.0007	.19342	.08786	.56318	3.3703	.36358	.22338	.18195	.18774
#2	1.9325	1.0020	.19336	.08895	.56029	3.3524	.36629	.22417	.18640	.18851
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.33332**	**.39029**	**.09457**	**.50458**	**.09116**
Stddev	.00277	.04212	.00076	.00100	.00127
%RSD	.83234	10.791	.80384	.19768	1.3977
#1	.33528	.42007	.09404	.50528	.09206
#2	.33136	.36051	.09511	.50387	.09026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4111.2**	**56930.**	**4094.8**
Stddev	.4	118.	2.3
%RSD	.00992	.20747	.05555
#1	4110.9	56846.	4096.4
#2	4111.5	57013.	4093.2

Sample Name: 280-27082-A-1-F MSD Acquired: 4/3/2012 11:31:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.20384**	**.56273**	**.77247**	**.20791**	**2.3309**	**.00917**	**.37804**	**33.476**	**.21497**	**.09297**
Stddev	.00120	.00169	.00077	.00100	.0190	.00008	.00231	.284	.00062	.00025
%RSD	.58838	.30114	.10029	.47951	.81442	.84362	.61149	.84908	.28682	.26499
#1	.20299	.56153	.77301	.20721	2.3175	.00911	.37641	33.275	.21453	.09315
#2	.20468	.56393	.77192	.20862	2.3443	.00922	.37967	33.677	.21540	.09280
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99636**	**.43578**	**.37275**	**11.108**	**.18452**	**13.967**	**.41193**	**.18779**	W **535.45**	**.09458**
Stddev	.00115	.00086	.00298	.016	.00210	.061	.00130	.00032	4.90	.00008
%RSD	.11512	.19708	.79836	.14734	1.1356	.43586	.31497	.17021	.91478	.08532
#1	.99717	.43517	.37485	11.120	.18304	13.924	.41102	.18801	531.98	.09452
#2	.99554	.43638	.37065	11.097	.18600	14.010	.41285	.18756	538.91	.09463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9451**	**1.0129**	**.19722**	**.08941**	**.57225**	**3.4055**	**.36774**	**.22677**	**.18656**	**.19103**
Stddev	.0024	.0019	.00492	.00112	.00651	.0393	.00197	.00184	.00088	.00095
%RSD	.12247	.19265	2.4943	1.2568	1.1378	1.1551	.53526	.80975	.47072	.49863
#1	1.9468	1.0115	.20070	.09020	.57685	3.3777	.36913	.22547	.18593	.19036
#2	1.9434	1.0143	.19375	.08861	.56764	3.4333	.36634	.22807	.18718	.19171
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.33717**	**.38509**	**.09645**	**.52175**	**.09023**
Stddev	.00162	.00476	.00010	.00191	.00060
%RSD	.48023	1.2354	.10359	.36570	.66222
#1	.33832	.38845	.09638	.52040	.08981
#2	.33603	.38173	.09652	.52310	.09065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4121.7**	**56873.**	**4118.8**
Stddev	3.8	219.	26.5
%RSD	.09120	.38475	.64333
#1	4119.1	57027.	4137.6
#2	4124.4	56718.	4100.1

Sample Name: pds 280-27082-A-1-D Acquired: 4/3/2012 11:34:39 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05263**	**1.1893**	**.21418**	**.12975**	**.17667**	**.05240**	**-.00595**	**44.988**	**.05435**	**.05396**
Stddev	.00016	.0030	.00063	.00059	.00078	.00038	.00260	.154	.00007	.00048
%RSD	.30169	.25252	.29395	.45335	.44072	.71705	43.668	.34302	.12814	.89316
#1	.05252	1.1914	.21463	.12933	.17722	.05267	-.00411	45.097	.05430	.05430
#2	.05275	1.1871	.21374	.13017	.17612	.05213	-.00779	44.879	.05440	.05362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05428**	**.05953**	**1.1193**	**23.274**	**.10836**	**24.828**	**.36024**	**.05124**	W **534.51**	**.05486**
Stddev	.00035	.00063	.0019	.111	.00007	.026	.00073	.00013	1.55	.00026
%RSD	.63917	1.0577	.16799	.47626	.06505	.10653	.20358	.26091	.28993	.47915
#1	.05453	.05998	1.1206	23.352	.10841	24.847	.36076	.05133	535.61	.05467
#2	.05404	.05909	1.1180	23.195	.10831	24.809	.35972	.05114	533.42	.05504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2261**	**.10356**	**.19931**	**.10262**	**.21187**	**6.5429**	**.10228**	**.09807**	**.21552**	**.05992**
Stddev	.0074	.00152	.00714	.00227	.00133	.0325	.00013	.00045	.00065	.00068
%RSD	.33075	1.4670	3.5806	2.2147	.62709	.49683	.12443	.45960	.30338	1.1422
#1	2.2313	.10463	.20436	.10423	.21281	6.5658	.10219	.09839	.21598	.05944
#2	2.2209	.10249	.19427	.10101	.21093	6.5199	.10237	.09775	.21506	.06040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19225**	**.54555**	**.05576**	**.24463**	**.05359**
Stddev	.00181	.01166	.00088	.00022	.00108
%RSD	.94182	2.1369	1.5708	.09012	2.0203
#1	.19353	.53731	.05638	.24479	.05283
#2	.19097	.55380	.05514	.24447	.05436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.0**	**57314.**	**4113.5**
Stddev	3.4	102.	13.0
%RSD	.08246	.17737	.31568
#1	4144.4	57242.	4104.3
#2	4139.6	57386.	4122.7

Sample Name: CCVH-1338467 Acquired: 4/3/2012 11:37:45 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00419**	**49.476**	**-.00138**	**.00444**	**.00057**	**.00003**	**1.0170**	**.00907**	**-.00192**	**.00186**	**.00042**	**.00325**	**49.307**
Stddev	.00044	.146	.00070	.00012	.00045	.00006	.0025	.00343	.00007	.00029	.00024	.00044	.115
%RSD	10.546	.29470	50.774	2.6476	77.847	191.84	.24659	37.854	3.8243	15.844	55.801	13.466	.23388
#1	.00450	49.373	-.00088	.00436	.00089	-.00001	1.0152	.00664	-.00197	.00206	.00026	.00294	49.225
#2	.00388	49.579	-.00187	.00453	.00026	.00008	1.0188	.01150	-.00187	.00165	.00059	.00356	49.388
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09134**	**.00138**	**-.00826**	**-.00002**	**-.00124**	**247.93**	**.00179**	**.00733**	**.00227**	**4.9492**	**-.00394**	**-.00600**	**.02634**
Stddev	.03561	.00113	.00490	.00002	.00004	.02	.00009	.00073	.00200	.0049	.00177	.00115	.02657
%RSD	38.987	81.982	59.344	107.31	3.3698	.00617	5.2387	10.024	88.126	.09964	45.018	19.221	100.85
#1	.11652	.00217	-.00480	-.00001	-.00121	247.92	.00186	.00785	.00369	4.9457	-.00519	-.00519	.04513
#2	.06616	.00058	-.01173	-.00004	-.00127	247.94	.00172	.00681	.00086	4.9527	-.00269	-.00682	.00756
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00297**	**.00022**	**4.9998**	**.00098**	**.00222**	**10.051**	**.00906**	**.00319**	**-.02014**
Stddev	.00004	.00011	.0076	.00002	.00041	.015	.00036	.00007	.00248
%RSD	1.2000	48.751	.15147	2.5409	18.585	.14642	3.9664	2.2560	12.336
#1	.00294	.00029	4.9945	.00096	.00252	10.062	.00881	.00314	-.02190
#2	.00299	.00014	5.0052	.00100	.00193	10.041	.00932	.00324	-.01839
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4282.6**	**59358.**	**4090.3**
Stddev	10.4	192.	18.7
%RSD	.24238	.32304	.45732
#1	4275.3	59493.	4103.5
#2	4289.9	59222.	4077.1

Sample Name: CCV-1338469 Acquired: 4/3/2012 11:40:12 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51279**	**.51700**	**.99777**	**.50709**	**.50012**	**.48731**	**.00242**	**4.9653**	**.50535**	**.50781**	**.50522**	**.49766**	**2.4506**
Stddev	.00187	.00308	.00053	.00023	.00026	.00054	.00172	.0061	.00027	.00088	.00062	.00238	.0006
%RSD	.36553	.59661	.05271	.04555	.05277	.11156	70.766	.12342	.05434	.17331	.12218	.47825	.02534
#1	.51146	.51482	.99740	.50692	.49994	.48693	.00364	4.9610	.50516	.50719	.50478	.49597	2.4502
#2	.51411	.51918	.99814	.50725	.50031	.48770	.00121	4.9696	.50554	.50844	.50566	.49934	2.4510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.633**	**.97745**	**19.905**	**.49513**	**.49817**	**5.1634**	**.50496**	**.99996**	**1.0187**	**-.00387**	**.99911**	**1.0065**	**4.8682**
Stddev	.008	.00082	.073	.00140	.00012	.0038	.00006	.00173	.0005	.00091	.00301	.0018	.0327
%RSD	.01697	.08404	.36846	.28325	.02456	.07362	.01187	.17329	.05115	23.665	.30176	.18065	.67164
#1	48.639	.97804	19.853	.49414	.49808	5.1607	.50501	.99873	1.0184	-.00322	1.0012	1.0078	4.8451
#2	48.627	.97687	19.957	.49612	.49826	5.1661	.50492	1.0012	1.0191	-.00451	.99698	1.0052	4.8913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0257**	**.49002**	**-.00092**	**.50116**	**1.0335**	**-.00407**	**.50320**	**.49996**	**.49383**
Stddev	.0004	.00027	.00154	.00195	.0006	.01564	.00144	.00193	.00266
%RSD	.04087	.05536	168.06	.38857	.05603	384.59	.28603	.38556	.53802
#1	1.0260	.49021	-.00200	.49979	1.0331	-.01513	.50218	.49860	.49196
#2	1.0254	.48983	.00017	.50254	1.0340	.00699	.50422	.50132	.49571
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4345.8**	**60910.**	**4107.4**
Stddev	12.5	255.	.2
%RSD	.28793	.41813	.00481
#1	4354.7	61090.	4107.5
#2	4337.0	60730.	4107.3

Sample Name: CCB Acquired: 4/3/2012 11:42:30 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00036**	**.00021**	W **.00280**	**.00040**	**.00002**	**-.00319**	**.00481**	**-.00019**	**-.00021**	**.00060**
Stddev	.00015	.00097	.00036	.00038	.00020	.00000	.00183	.00833	.00007	.00001	.00006
%RSD	168.39	266.11	165.44	13.621	49.643	18.095	57.508	173.09	34.156	6.8024	10.346
#1	-.00020	.00105	-.00004	.00253	.00026	.00002	-.00189	.01070	-.00024	-.00020	.00055
#2	.00002	-.00032	.00047	.00307	.00054	.00002	-.00449	-.00108	-.00015	-.00022	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.00402**	**.04926**	**.00032**	**-.00028**	**.00000**	**.00057**	F **.16748**	**.00004**	**-.00016**	**.00073**
Stddev	.00033	.00132	.03593	.00066	.00078	.00001	.00024	.00842	.00007	.00040	.00104
%RSD	33.016	32.891	72.952	208.71	277.93	436.24	42.138	5.0303	189.98	246.41	142.50
#1	-.00077	.00495	.02385	.00078	-.00084	.00001	.00073	.17344	.00008	.00012	.00146
#2	-.00124	.00308	.07467	-.00015	.00027	.00000	.00040	.16152	-.00001	-.00045	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.10000			
Low Limit								-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00183**	W **.00326**	**-.00387**	**.00775**	**.00155**	**-.00003**	**.00119**	**.00015**	**.00000**	**-.02301**	**-.00089**
Stddev	.00471	.00159	.00013	.01246	.00045	.00012	.00028	.00020	.00222	.04777	.00001
%RSD	257.07	48.762	3.4559	160.81	29.205	477.51	23.315	135.54	80584.	207.61	1.0745
#1	-.00516	.00214	-.00396	-.00106	.00123	-.00011	.00138	.00029	-.00157	-.05679	-.00089
#2	.00150	.00438	-.00377	.01656	.00187	.00006	.00099	.00001	.00158	.01077	-.00090
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00225**	**-.00020**
Stddev	.00011	.00044
%RSD	4.8565	218.48
#1	.00217	.00011
#2	.00233	-.00052
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4302.9**	**61391.**	**4081.3**
Stddev	2.5	26.	7.8
%RSD	.05853	.04297	.19216
#1	4304.7	61372.	4086.9
#2	4301.1	61409.	4075.8

Sample Name: CCVL1342846 Acquired: 4/3/2012 11:45:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01089**	**.10556**	**.01270**	**.09650**	**.01060**	**.00103**	**.10780**	**.20203**	**.00491**	**.01035**	**.01102**
Stddev	.00072	.00008	.00111	.00042	.00005	.00002	.00063	.00065	.00000	.00019	.00014
%RSD	6.6371	.07805	8.7205	.43997	.49612	2.1679	.58094	.32167	.07449	1.8481	1.2792
#1	.01140	.10550	.01348	.09680	.01064	.00104	.10824	.20249	.00492	.01021	.01092
#2	.01038	.10561	.01191	.09620	.01057	.00101	.10735	.20158	.00491	.01048	.01112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01464**	**.10239**	**2.9793**	**.00941**	**.20124**	**.01033**	**.01948**	**1.1194**	**.04135**	**2.7611**	W **.01093**
Stddev	.00024	.00074	.0471	.00048	.00152	.00009	.00011	.0118	.00038	.0141	.00017
%RSD	1.6412	.72576	1.5816	5.1379	.75658	.84273	.57267	1.0516	.90941	.51265	1.5959
#1	.01481	.10187	3.0126	.00975	.20231	.01039	.01940	1.1278	.04162	2.7511	.01105
#2	.01447	.10292	2.9460	.00907	.20016	.01027	.01956	1.1111	.04108	2.7711	.01080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value											.00900
Range											20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00225**	**.01018**	F **.00899**	**.49921**	**.10233**	**.00986**	**.01490**	**.00995**	**.01705**	F **.08840**	**.00983**
Stddev	.00252	.00166	.00380	.00012	.00154	.00009	.00031	.00016	.00008	.01735	.00005
%RSD	111.85	16.317	42.330	.02339	1.5044	.95247	2.0690	1.6031	.49320	19.626	.46219
#1	-.00047	.01136	.01168	.49913	.10125	.00993	.01512	.00984	.01699	.10066	.00980
#2	-.00403	.00901	.00630	.49930	.10342	.00979	.01468	.01006	.01710	.07613	.00986
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			.01500							.06000	
Range			-30.000%							30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02203**	**.01671**
Stddev	.00025	.00099
%RSD	1.1136	5.9421
#1	.02186	.01742
#2	.02220	.01601
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4330.9**	**61402.**	**4077.9**
Stddev	3.9	1.	15.6
%RSD	.09099	.00099	.38182
#1	4333.7	61402.	4066.9
#2	4328.1	61402.	4088.9

Sample Name: MB 280-113656/1-A Acquired: 4/3/2012 11:47:31 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00693**	**-.00373**	F **.01406**	**.00079**	**.00004**	**-.00457**	**.03853**	**-.00011**	**-.00010**
Stddev	.00022	.00078	.00266	.00026	.00008	.00000	.00175	.00192	.00009	.00014
%RSD	25.460	11.209	71.243	1.8148	9.7899	9.6566	38.184	4.9714	76.985	142.45
#1	.00070	.00638	-.00185	.01424	.00073	.00003	-.00581	.03989	-.00005	.00000
#2	.00101	.00748	-.00561	.01388	.00084	.00004	-.00334	.03718	-.00017	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00038**	**.01626**	**.05836**	**-.00107**	**.00545**	**.00013**	**.00024**	**.30559**	**-.00008**
Stddev	.00010	.00027	.00102	.03337	.00027	.00035	.00003	.00018	.02090	.00009
%RSD	84.899	71.314	6.2840	57.177	25.765	6.4787	24.674	74.358	6.8406	108.28
#1	-.00005	-.00057	.01554	.08196	-.00087	.00520	.00015	.00037	.29081	-.00002
#2	-.00018	-.00019	.01698	.03477	-.00126	.00570	.00011	.00011	.32038	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00963**	**.00084**	**.01927**	**-.00066**	**-.00292**	W **.07905**	**.01450**	**.00015**	**-.00003**	**.00028**
Stddev	.00176	.00150	.00271	.00066	.00250	.00103	.00019	.00003	.00047	.00004
%RSD	18.303	177.49	14.044	99.354	85.491	1.3068	1.2801	20.049	1736.6	14.062
#1	.00838	.00190	.01736	-.00020	-.00115	.07978	.01463	.00013	.00030	.00025
#2	.01087	-.00022	.02118	-.00113	-.00468	.07832	.01437	.00017	-.00036	.00031
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500					.05000				
Low Limit	-.00500					-.05000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**-.01571**	**-.00033**	**.00290**	**.00274**
Stddev	.00061	.00187	.00029	.00009	.00162
%RSD	71.604	11.893	87.413	3.2065	59.018
#1	-.00042	-.01439	-.00054	.00283	.00389
#2	-.00127	-.01703	-.00013	.00296	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4400.5**	**62726.**	**4152.1**
Stddev	5.6	82.	.2
%RSD	.12786	.13132	.00596
#1	4396.5	62784.	4152.0
#2	4404.5	62668.	4152.3

Sample Name: LCS 280-113656/2-A Acquired: 4/3/2012 11:53:42 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05321**	**1.9987**	**1.0022**	**1.0820**	**2.0400**	**.04984**	**2.1295**	**50.077**	**.10404**	**.50206**
Stddev	.00039	.0088	.0024	.0010	.0022	.00006	.0026	.047	.00017	.00112
%RSD	.73794	.44058	.23473	.08897	.10854	.12582	.12275	.09478	.16324	.22213
#1	.05349	1.9925	1.0039	1.0827	2.0416	.04989	2.1276	50.111	.10392	.50285
#2	.05293	2.0050	1.0006	1.0813	2.0385	.04980	2.1313	50.044	.10416	.50127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20565**	**.25517**	**1.0272**	**49.930**	**1.0066**	**48.609**	**.50275**	**1.0215**	**51.590**	**.50359**
Stddev	.00054	.00012	.0034	.038	.0023	.019	.00097	.0001	.645	.00087
%RSD	.26276	.04872	.33157	.07606	.22417	.03903	.19259	.00975	1.2499	.17311
#1	.20603	.25508	1.0296	49.957	1.0050	48.596	.50207	1.0214	52.046	.50298
#2	.20527	.25526	1.0248	49.903	1.0082	48.622	.50344	1.0216	51.134	.50421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.197**	**.50285**	**.02306**	**.49685**	**1.9625**	**2.4984**	**2.0436**	**1.0062**	**1.0234**	**1.0339**
Stddev	.019	.00090	.00304	.00263	.0080	.0291	.0051	.0026	.0008	.0011
%RSD	.18627	.17986	13.169	.52968	.40674	1.1659	.24890	.25571	.07904	.10447
#1	10.210	.50349	.02521	.49499	1.9681	2.5190	2.0472	1.0080	1.0240	1.0331
#2	10.183	.50221	.02092	.49871	1.9568	2.4778	2.0400	1.0044	1.0228	1.0346
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9965**	**2.1331**	**.52014**	**.49379**	**.49750**
Stddev	.0077	.0012	.00054	.00066	.00017
%RSD	.38714	.05682	.10394	.13458	.03446
#1	2.0020	2.1322	.51976	.49426	.49762
#2	1.9911	2.1339	.52052	.49332	.49738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4192.9**	**59291.**	**4084.3**
Stddev	4.5	29.	26.5
%RSD	.10797	.04967	.64968
#1	4189.7	59271.	4065.5
#2	4196.1	59312.	4103.0

Sample Name: 280-27123-A-1-G@5 Acquired: 4/3/2012 11:59:16 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	W **3.4875**	**.04386**	**.00448**	**1.4586**	**.00015**	**.00394**	**1.5308**	**.00767**	**.02775**
Stddev	.00017	.0163	.00361	.00023	.0016	.00007	.00148	.0078	.00000	.00020
%RSD	9.7610	.46601	8.2343	5.0664	.10952	45.077	37.609	.51279	.00518	.71181
#1	.00184	3.4760	.04641	.00432	1.4575	.00019	.00498	1.5253	.00767	.02789
#2	.00161	3.4990	.04131	.00464	1.4597	.00010	.00289	1.5364	.00767	.02761
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05981**	**.32105**	**362.71**	**.25320**	**.00274**	**.33186**	**1.6854**	**.00566**	**.15119**	**.14306**
Stddev	.00004	.00031	.04	.01900	.00033	.00333	.0013	.00000	.01789	.00045
%RSD	.07062	.09697	.01169	7.5027	11.996	1.0033	.07529	.04689	11.832	.31626
#1	.05984	.32127	362.74	.26663	.00297	.32950	1.6845	.00566	.16384	.14338
#2	.05978	.32083	362.68	.23976	.00250	.33421	1.6863	.00567	.13854	.14274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0382**	**1.3935**	**2.2083**	**.01606**	F **-.01175**	**.95899**	**.47030**	**.02518**	**.00738**	**.12665**
Stddev	.0045	.0005	.0018	.00042	.00475	.04038	.00438	.00012	.00191	.00001
%RSD	.43655	.03567	.07985	2.5984	40.407	4.2108	.93124	.46072	25.949	.00877
#1	1.0414	1.3931	2.2070	.01577	-.01511	.93044	.47340	.02510	.00873	.12666
#2	1.0350	1.3938	2.2095	.01636	-.00839	.98754	.46720	.02526	.00603	.12664
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**.05926**	**.01789**	**2.7893**	**.00292**
Stddev	.00045	.00694	.00050	.0053	.00088
%RSD	46.961	11.712	2.7706	.18829	30.278
#1	-.00064	.05435	.01824	2.7856	.00354
#2	-.00127	.06417	.01754	2.7930	.00229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4317.6**	**61106.**	**4113.8**
Stddev	10.5	90.	29.4
%RSD	.24216	.14705	.71372
#1	4325.0	61169.	4093.1
#2	4310.2	61042.	4134.6

Sample Name: sd 27123-A-1-G@25 Acquired: 4/3/2012 12:01:41 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.69649**	**.00661**	**.00560**	**.29104**	**.00005**	**-.00007**	**.31523**	**.00132**	**.00557**
Stddev	.00025	.00353	.00215	.00039	.00054	.00006	.00250	.00040	.00010	.00022
%RSD	45.838	.50629	32.596	7.0061	.18640	112.42	3693.7	.12740	7.5391	3.9594
#1	.00072	.69400	.00509	.00588	.29066	.00010	.00170	.31495	.00125	.00542
#2	.00037	.69899	.00813	.00533	.29142	.00001	-.00183	.31552	.00139	.00573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01246**	**.06363**	**72.908**	**.07620**	**.00078**	**.06909**	**.33650**	**.00099**	**.12804**	**.02950**
Stddev	.00005	.00018	.015	.01012	.00293	.00231	.00007	.00009	.01908	.00021
%RSD	.40727	.27808	.01995	13.283	374.05	3.3411	.01949	9.3089	14.898	.70930
#1	.01243	.06351	72.918	.06904	-.00129	.07073	.33655	.00106	.11455	.02935
#2	.01250	.06376	72.898	.08336	.00286	.06746	.33645	.00093	.14153	.02965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21042**	**.28835**	**.45515**	**.00406**	W **-.00547**	**.21649**	**.09518**	**.00499**	**.00162**	**.03043**
Stddev	.00212	.00322	.00303	.00025	.00441	.03531	.00043	.00004	.00022	.00662
%RSD	1.0092	1.1161	.66619	6.1681	80.656	16.308	.45553	.88101	13.695	21.769
#1	.20892	.28608	.45300	.00389	-.00235	.19153	.09487	.00502	.00178	.03511
#2	.21193	.29063	.45729	.00424	-.00858	.24146	.09548	.00496	.00146	.02574
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.03498**	**.00352**	**.56286**	**.00102**
Stddev	.00152	.01818	.00060	.00045	.00186
%RSD	101.67	51.970	17.163	.07980	183.02
#1	.00042	.04783	.00395	.56255	.00234
#2	.00257	.02212	.00309	.56318	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4406.2**	**61901.**	**4119.9**
Stddev	18.8	59.	31.7
%RSD	.42586	.09561	.76991
#1	4392.9	61943.	4142.3
#2	4419.4	61860.	4097.5

Sample Name: 27123-A-1-H MS@5 Acquired: 4/3/2012 12:04:10 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01283**	**6.1016**	**.23163**	**.19982**	**1.7614**	**.00987**	**.43794**	**11.409**	**.03475**	**.13099**
Stddev	.00048	.0469	.00086	.00046	.0061	.00012	.00192	.060	.00018	.00002
%RSD	3.7606	.76888	.37111	.23254	.34865	1.2157	.43745	.52225	.51284	.01704
#1	.01317	6.1348	.23224	.20014	1.7657	.00996	.43659	11.451	.03463	.13097
#2	.01249	6.0685	.23102	.19949	1.7570	.00979	.43930	11.367	.03488	.13101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15134**	**.42047**	**359.67**	**10.528**	**.20188**	**10.211**	**2.0497**	**.21124**	F **10.032**	**10.988**
Stddev	.00039	.00073	1.15	.028	.00085	.001	.0014	.00022	.034	.284
%RSD	.25557	.17399	.31927	.26118	.42111	.00695	.06689	.10288	.34250	2.5834
#1	.15106	.42099	360.49	10.509	.20128	10.212	2.0507	.21140	10.056	10.788
#2	.15161	.41995	358.86	10.548	.20248	10.211	2.0487	.21109	10.008	11.189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10.000	
Low Limit									-1.0000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23258**	**2.9334**	**1.3608**	**1.9837**	**.10820**	**.37682**	**1.6403**	**1.3339**	**.22232**	**.18398**
Stddev	.00053	.0024	.0004	.0073	.00190	.00309	.0008	.0043	.00061	.00060
%RSD	.22695	.08126	.02792	.37054	1.7579	.82037	.04834	.32582	.27535	.32343
#1	.23220	2.9317	1.3610	1.9785	.10954	.37900	1.6408	1.3308	.22275	.18356
#2	.23295	2.9351	1.3605	1.9889	.10685	.37463	1.6397	1.3370	.22189	.18440
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37489**	**.39861**	**.46924**	**.11795**	**2.7460**	**.06963**
Stddev	.00280	.00024	.01273	.00019	.0004	.00178
%RSD	.74640	.06007	2.7138	.16374	.01625	2.5548
#1	.37687	.39844	.46023	.11782	2.7463	.07088
#2	.37291	.39878	.47824	.11809	2.7457	.06837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4349.3**	**60937.**	**4187.1**
Stddev	6.2	25.	5.1
%RSD	.14304	.04144	.12245
#1	4344.9	60955.	4190.7
#2	4353.7	60919.	4183.5

Sample Name: 27123-A-1-I MSD@5 Acquired: 4/3/2012 12:06:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.15837**	**4.3522**	**.26762**	**.19754**	**3.8646**	**.00994**	**.45156**	**11.525**	**.02954**	**.14934**
Stddev	.00079	.0097	.00074	.00061	.0066	.00004	.00418	.035	.00002	.00002
%RSD	.50081	.22260	.27503	.30710	.17123	.39506	.92605	.30406	.05128	.01596
#1	.15893	4.3590	.26710	.19797	3.8692	.00991	.45451	11.550	.02952	.14935
#2	.15781	4.3453	.26814	.19711	3.8599	.00997	.44860	11.500	.02955	.14932
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21091**	**.63519**	W **627.54**	**10.366**	**.20548**	**10.031**	**2.7875**	**.22377**	F **10.227**	**11.566**
Stddev	.00026	.00291	1.68	.046	.00333	.036	.0085	.00033	.021	.342
%RSD	.12364	.45787	.26804	.44126	1.6215	.35585	.30496	.14867	.20825	2.9534
#1	.21073	.63725	628.73	10.398	.20783	10.056	2.7935	.22401	10.242	11.808
#2	.21109	.63313	626.35	10.333	.20312	10.006	2.7815	.22354	10.212	11.325
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			500.00						10.000	
Low Limit			40.000						-1.0000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38434**	**3.0526**	**7.4104**	**3.3651**	**.11746**	**.36661**	**2.0215**	**2.7514**	**.25768**	**.20616**
Stddev	.00069	.0025	.0060	.0057	.00371	.00366	.0398	.0021	.00079	.00444
%RSD	.18032	.08255	.08100	.16898	3.1564	.99783	1.9713	.07579	.30781	2.1521
#1	.38385	3.0543	7.4146	3.3691	.11484	.36402	2.0497	2.7529	.25824	.20930
#2	.38483	3.0508	7.4061	3.3611	.12008	.36919	1.9933	2.7499	.25712	.20302
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46254**	**.39821**	**.53481**	**.12925**	**3.8848**	**.07835**
Stddev	.00641	.00100	.03322	.00053	.0134	.00199
%RSD	1.3864	.25213	6.2116	.41073	.34456	2.5445
#1	.46707	.39892	.51132	.12962	3.8943	.07694
#2	.45801	.39750	.55830	.12887	3.8753	.07976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4256.7**	**59970.**	**4138.0**
Stddev	4.8	274.	23.2
%RSD	.11341	.45661	.56104
#1	4253.3	59776.	4121.6
#2	4260.1	60164.	4154.4

Sample Name: pds 27123-A-1-G@5 Acquired: 4/3/2012 12:08:51 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05516**	**4.4534**	**.25040**	**.10412**	**1.5312**	**.05099**	**.00040**	**22.145**	**.06127**	**.08005**
Stddev	.00031	.0148	.00224	.00115	.0005	.00010	.00118	.033	.00009	.00027
%RSD	.56401	.33264	.89353	1.1081	.03135	.19007	295.58	.14752	.15348	.33866
#1	.05494	4.4429	.25198	.10493	1.5316	.05092	-.00044	22.168	.06121	.07986
#2	.05538	4.4639	.24882	.10330	1.5309	.05106	.00124	22.122	.06134	.08024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11176**	**.36648**	**353.53**	**20.690**	**.10603**	**20.493**	**1.7015**	**.05535**	**21.770**	**.19097**
Stddev	.00030	.00051	.65	.021	.00028	.041	.0032	.00007	.495	.00028
%RSD	.27264	.13969	.18343	.10061	.26714	.20116	.18970	.12411	2.2735	.14687
#1	.11198	.36612	353.99	20.705	.10623	20.464	1.6992	.05530	21.420	.19077
#2	.11155	.36684	353.07	20.675	.10583	20.522	1.7038	.05540	22.120	.19117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1086**	**1.4432**	**2.2272**	**.11589**	**.19623**	**5.8556**	**.56295**	**.07808**	**.22383**	**.16949**
Stddev	.0039	.0014	.0009	.00138	.00193	.0005	.00159	.00033	.00549	.00459
%RSD	.12527	.09778	.04028	1.1882	.98469	.00845	.28172	.41806	2.4538	2.7098
#1	3.1059	1.4422	2.2279	.11686	.19760	5.8560	.56183	.07785	.21995	.16624
#2	3.1114	1.4442	2.2266	.11491	.19486	5.8553	.56408	.07831	.22772	.17273
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20668**	**.59177**	**.07223**	**2.9502**	**.05047**
Stddev	.00087	.00422	.00044	.0085	.00118
%RSD	.42211	.71286	.61444	.28827	2.3478
#1	.20730	.59476	.07254	2.9442	.05130
#2	.20607	.58879	.07192	2.9562	.04963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4323.6**	**60685.**	**4185.6**
Stddev	6.8	181.	26.7
%RSD	.15746	.29881	.63833
#1	4318.8	60813.	4166.7
#2	4328.5	60556.	4204.4

Sample Name: CCVH-1338467 Acquired: 4/3/2012 12:11:10 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**49.577**	**-.00608**	**.00283**	**.00059**	**-.00004**	**1.0232**	**.00225**	**-.00202**	**.00203**	**.00008**	**.00260**	**48.938**
Stddev	.00013	.219	.00560	.00010	.00010	.00004	.0004	.00044	.00014	.00015	.00002	.00010	.273
%RSD	3.5309	.44114	92.182	3.4276	16.314	108.03	.04259	19.746	7.0477	7.3718	28.114	3.7173	.55729
#1	.00349	49.732	-.01004	.00290	.00066	-.00001	1.0229	.00194	-.00212	.00192	.00007	.00266	49.131
#2	.00366	49.423	-.00212	.00276	.00052	-.00007	1.0235	.00257	-.00192	.00213	.00010	.00253	48.745
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00417**	**.00152**	**-.01034**	**-.00025**	**-.00130**	**248.30**	**.00186**	**.00768**	**.00125**	**4.9271**	**-.00253**	**-.00404**	**.01602**
Stddev	.00305	.00111	.00062	.00000	.00010	.43	.00021	.00085	.00041	.0360	.00094	.00147	.01373
%RSD	73.112	73.546	5.9514	.70758	7.8526	.17501	11.000	11.054	32.915	.73114	37.128	36.234	85.699
#1	-.00632	.00073	-.00991	-.00025	-.00123	248.61	.00172	.00828	.00096	4.9526	-.00186	-.00508	.02572
#2	-.00201	.00230	-.01078	-.00024	-.00138	247.99	.00201	.00708	.00154	4.9016	-.00319	-.00301	.00631
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**.00042**	**5.0268**	**.00161**	**.00358**	**10.091**	**.00829**	**.00343**	**-.02421**
Stddev	.00083	.00001	.0010	.00025	.00105	.010	.00003	.00002	.00152
%RSD	27.228	2.8693	.01975	15.487	29.265	.09637	.40785	.65970	6.2954
#1	.00245	.00043	5.0261	.00179	.00284	10.084	.00827	.00341	-.02529
#2	.00362	.00041	5.0276	.00143	.00432	10.098	.00832	.00344	-.02313
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4292.4**	**59491.**	**4130.4**
Stddev	.8	42.	10.7
%RSD	.01748	.06990	.25943
#1	4291.8	59462.	4122.8
#2	4292.9	59521.	4138.0

Sample Name: CCV-1338469 Acquired: 4/3/2012 12:13:36 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51711**	**.51138**	**.98746**	**.50535**	**.49725**	**.48001**	**-.00295**	**4.9191**	**.50430**	**.50633**	**.50485**	**.49686**	**2.4236**
Stddev	.00151	.00449	.00369	.00175	.00106	.00071	.00138	.0224	.00038	.00116	.00045	.00296	.0097
%RSD	.29148	.87771	.37370	.34630	.21290	.14737	46.672	.45588	.07620	.22881	.08901	.59613	.39797
#1	.51604	.50820	.99007	.50659	.49799	.48051	-.00392	4.9350	.50457	.50715	.50517	.49477	2.4304
#2	.51817	.51455	.98485	.50412	.49650	.47951	-.00197	4.9032	.50403	.50551	.50454	.49896	2.4168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.732**	**.96297**	**19.819**	**.49369**	**.49585**	**4.9581**	**.50062**	**.99548**	**1.0159**	**-.00300**	**.99690**	**1.0008**	**4.7804**
Stddev	.097	.00156	.092	.00186	.00091	.0019	.00153	.00421	.0004	.00350	.00207	.0059	.0090
%RSD	.20409	.16157	.46549	.37635	.18408	.03899	.30483	.42300	.04447	116.52	.20754	.58659	.18767
#1	47.801	.96407	19.754	.49238	.49650	4.9595	.50170	.99846	1.0156	-.00053	.99836	1.0050	4.7867
#2	47.663	.96187	19.884	.49501	.49521	4.9567	.49954	.99250	1.0162	-.00548	.99544	.99668	4.7741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0298**	**.48250**	**.00085**	**.50264**	**1.0308**	**.01077**	**.50605**	**.49935**	**.48961**
Stddev	.0007	.00108	.00113	.00268	.0012	.00052	.00095	.00010	.00073
%RSD	.07091	.22430	133.57	.53290	.11855	4.8225	.18736	.02030	.14906
#1	1.0293	.48327	.00165	.50075	1.0300	.01040	.50537	.49927	.48909
#2	1.0303	.48173	.00005	.50454	1.0317	.01114	.50672	.49942	.49013
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4351.5**	**60952.**	**4171.2**
Stddev	4.6	169.	9.1
%RSD	.10460	.27805	.21904
#1	4354.7	61072.	4164.7
#2	4348.3	60832.	4177.7

Sample Name: CCB Acquired: 4/3/2012 12:15:53 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00098**	**.00099**	W **.00235**	**.00049**	**.00006**	**-.00093**	**.00267**	**-.00012**	**-.00011**	W **.00069**
Stddev	.00008	.00013	.00129	.00027	.00002	.00001	.00167	.00392	.00000	.00009	.00012
%RSD	18.999	13.150	130.72	11.374	3.6818	18.329	179.28	146.91	1.3443	86.144	17.213
#1	.00038	.00089	.00190	.00254	.00048	.00007	-.00211	.00544	-.00012	-.00017	.00078
#2	.00049	.00107	.00007	.00216	.00051	.00005	.00025	-.00010	-.00011	-.00004	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00156							.00066
Low Limit				-.00156							-.00066

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.00318**	**.00238**	**-.00122**	**.00026**	**-.00002**	**.00083**	**.03446**	**-.00023**	**.00049**	**.00167**
Stddev	.00003	.00122	.03070	.00239	.00131	.00002	.00032	.00154	.00024	.00002	.00038
%RSD	3.9103	38.546	1291.2	194.73	495.68	138.26	39.023	4.4785	103.86	3.7179	22.733
#1	-.00085	.00404	.02409	-.00291	.00119	.00000	.00060	.03337	-.00040	.00050	.00194
#2	-.00090	.00231	-.01933	.00046	-.00066	-.00003	.00105	.03555	-.00006	.00048	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00620**	W **.00430**	**-.00250**	**.00740**	**.00109**	**.00001**	**.00137**	**.00005**	**.00035**	**-.00843**	**-.00039**
Stddev	.00064	.00051	.00444	.00930	.00052	.00012	.00078	.00030	.00088	.01743	.00010
%RSD	10.296	11.855	177.50	125.65	47.786	858.06	57.193	629.79	252.37	206.81	24.855
#1	-.00665	.00466	-.00564	.00083	.00146	.00010	.00192	-.00016	.00097	.00390	-.00032
#2	-.00575	.00394	.00064	.01398	.00072	-.00007	.00082	.00026	-.00027	-.02075	-.00046
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00217**	**.00175**
Stddev	.00033	.00198
%RSD	15.232	113.01
#1	.00194	.00035
#2	.00240	.00315
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4312.7**	**61105.**	**4063.2**
Stddev	4.0	109.	20.1
%RSD	.09193	.17782	.49520
#1	4309.9	61182.	4049.0
#2	4315.5	61029.	4077.4

Sample Name: CCVL1342846 Acquired: 4/3/2012 12:18:24 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01105**	**.10541**	F **.00987**	**.09675**	**.01056**	**.00103**	**.11042**	**.19826**	**.00495**	**.01042**	**.01108**	**.01403**
Stddev	.00006	.00020	.00116	.00071	.00018	.00011	.00073	.00138	.00003	.00002	.00018	.00041
%RSD	.57852	.18680	11.706	.73758	1.6695	10.527	.65772	.69475	.51170	.19814	1.5925	2.9485
#1	.01101	.10527	.00905	.09725	.01068	.00095	.11094	.19729	.00493	.01041	.01095	.01374
#2	.01110	.10555	.01069	.09624	.01043	.00110	.10991	.19923	.00496	.01044	.01120	.01432
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500									
Range			-30.000%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10376**	**2.8976**	**.01007**	**.20057**	**.01028**	**.01931**	**1.0443**	**.04104**	**2.7673**	**.01068**	**-.00175**	**.01163**
Stddev	.00185	.0713	.00161	.00340	.00005	.00007	.0023	.00006	.0113	.00290	.00588	.00051
%RSD	1.7840	2.4591	16.025	1.6972	.50510	.34805	.21838	.15490	.40917	27.186	336.65	4.3477
#1	.10245	2.8473	.00893	.20298	.01025	.01927	1.0427	.04100	2.7593	.01273	.00241	.01199
#2	.10507	2.9480	.01121	.19816	.01032	.01936	1.0459	.04109	2.7753	.00863	-.00591	.01128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00818**	**.47074**	**.10279**	**.00985**	**.01459**	**.00979**	**.01583**	**.06442**	**.00977**	**.02239**	**.01735**
Stddev	.00171	.00566	.00209	.00003	.00010	.00003	.00048	.00864	.00021	.00003	.00128
%RSD	20.957	1.2029	2.0376	.34226	.66964	.26373	3.0238	13.410	2.1981	.11360	7.3840
#1	.00697	.47475	.10131	.00988	.01466	.00977	.01549	.05831	.00992	.02238	.01644
#2	.00939	.46674	.10428	.00983	.01452	.00981	.01616	.07052	.00962	.02241	.01825
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	-30.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4331.3**	**61506.**	**4103.8**
Stddev	3.3	44.	3.4
%RSD	.07589	.07232	.08204
#1	4333.6	61475.	4101.4
#2	4329.0	61538.	4106.2

Sample Name: 280-27123-A-2-C@5 Acquired: 4/3/2012 12:20:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00257**	W **3.4925**	**.03019**	**.00310**	**.27701**	**.00017**	**.01232**	**2.4830**	**.01253**	**.01409**
Stddev	.00104	.0155	.00144	.00006	.00002	.00004	.00489	.0057	.00001	.00004
%RSD	40.587	.44475	4.7573	1.8531	.00756	21.189	39.692	.22894	.10695	.30425
#1	.00183	3.4816	.02917	.00314	.27699	.00020	.01577	2.4790	.01252	.01406
#2	.00331	3.5035	.03121	.00306	.27702	.00014	.00886	2.4871	.01254	.01412
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03838**	**.22921**	**256.45**	**.31490**	**.00353**	**.43008**	**1.4020**	**.00165**	**.09236**	**.05543**
Stddev	.00008	.00083	.66	.03390	.00152	.00160	.0012	.00021	.00348	.00025
%RSD	.21182	.36204	.25718	10.764	43.119	.37302	.08822	12.924	3.7641	.45188
#1	.03832	.22980	255.99	.29093	.00245	.42895	1.4028	.00150	.08991	.05525
#2	.03844	.22863	256.92	.33886	.00461	.43121	1.4011	.00180	.09482	.05561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99077**	**3.0145**	**1.7235**	**.03425**	W **-.00916**	**.98589**	**1.4804**	**.01058**	**.00874**	**.06911**
Stddev	.00455	.0010	.0010	.00103	.00157	.06899	.0009	.00002	.00177	.00125
%RSD	.45964	.03148	.05599	3.0203	17.177	6.9982	.05965	.22274	20.238	1.8156
#1	.98755	3.0152	1.7242	.03498	-.01027	1.0347	1.4810	.01060	.00999	.06822
#2	.99399	3.0138	1.7228	.03352	-.00805	.93710	1.4797	.01057	.00749	.06999
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.03079**	**.01779**	**3.9321**	**.00379**
Stddev	.00027	.02892	.00043	.0077	.00182
%RSD	22.773	93.930	2.3949	.19498	47.947
#1	-.00099	.05124	.01749	3.9375	.00251
#2	-.00137	.01034	.01809	3.9266	.00508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4342.2**	**61406.**	**4143.7**
Stddev	5.5	108.	9.6
%RSD	.12777	.17662	.23053
#1	4346.1	61483.	4150.5
#2	4338.3	61330.	4137.0

Sample Name: 280-27123-A-3-C@5 Acquired: 4/3/2012 12:23:16 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	W **3.3408**	**.03372**	**.00130**	**.06262**	**.00014**	**.00629**	**.98123**	**.00532**	**.04590**
Stddev	.00033	.0087	.00281	.00032	.00053	.00005	.00400	.00282	.00018	.00025
%RSD	17.949	.26043	8.3234	24.985	.85331	39.486	63.615	.28714	3.3407	.54842
#1	.00208	3.3346	.03570	.00107	.06224	.00010	.00913	.97924	.00519	.04607
#2	.00161	3.3469	.03173	.00152	.06300	.00018	.00346	.98323	.00544	.04572
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08596**	**.40074**	**383.62**	**.25633**	**.00105**	**.37285**	**2.0598**	**.01117**	**.09333**	**.15435**
Stddev	.00005	.00063	2.12	.01512	.00012	.00168	.0008	.00037	.00547	.00023
%RSD	.06142	.15834	.55296	5.8999	11.039	.45097	.04125	3.3332	5.8601	.14846
#1	.08600	.40029	382.12	.24564	.00113	.37404	2.0592	.01091	.09720	.15451
#2	.08592	.40119	385.12	.26703	.00097	.37166	2.0604	.01143	.08946	.15419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78354**	**.48633**	**2.0245**	**.01462**	F **-.01744**	**.72118**	**.94375**	**.00455**	**.01319**	**.06438**
Stddev	.00165	.00012	.0082	.00138	.00025	.03412	.00421	.00021	.00144	.00118
%RSD	.21013	.02496	.40502	9.4454	1.4319	4.7305	.44646	4.6102	10.892	1.8366
#1	.78238	.48642	2.0187	.01560	-.01727	.74531	.94077	.00470	.01218	.06355
#2	.78471	.48624	2.0303	.01365	-.01762	.69706	.94673	.00440	.01421	.06522
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00242**	**.09358**	**.01519**	**3.8132**	**-.00045**
Stddev	.00086	.00844	.00130	.0011	.00062
%RSD	35.612	9.0168	8.5482	.02859	135.64
#1	-.00303	.09955	.01611	3.8139	-.00089
#2	-.00181	.08762	.01428	3.8124	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4335.1**	**61163.**	**4157.5**
Stddev	.6	25.	14.1
%RSD	.01319	.04162	.33983
#1	4335.5	61145.	4167.5
#2	4334.7	61181.	4147.5

Sample Name: 280-27123-A-4-C@5 Acquired: 4/3/2012 12:25:37 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**4.0793**	**.01175**	**.00251**	**.03050**	**.00021**	**-.00104**	**.28397**	**.00084**	**.00761**
Stddev	.00001	.0209	.00236	.00004	.00026	.00014	.00129	.00186	.00016	.00005
%RSD	1.2641	.51328	20.134	1.5723	.85734	69.021	123.83	.65640	19.067	.68857
#1	.00099	4.0941	.01342	.00254	.03068	.00011	-.00013	.28529	.00095	.00757
#2	.00101	4.0645	.01007	.00248	.03031	.00031	-.00195	.28265	.00072	.00764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02926**	**.18665**	**92.090**	**.42288**	**.00318**	**.41677**	**.31472**	**.00223**	**.08431**	**.03988**
Stddev	.00005	.00002	.238	.05382	.00130	.00189	.00019	.00015	.01955	.00000
%RSD	.15442	.01137	.25839	12.728	40.760	.45340	.06089	6.6246	23.188	.00298
#1	.02929	.18663	91.922	.46094	.00227	.41543	.31486	.00212	.07049	.03988
#2	.02923	.18666	92.259	.38482	.00410	.41810	.31459	.00233	.09814	.03987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56677**	**.26898**	**1.0872**	**.00377**	**-.00220**	**.85945**	**.17375**	**.00219**	**.00304**	**.06578**
Stddev	.00336	.00190	.0073	.00143	.00652	.04180	.00149	.00010	.00072	.00397
%RSD	.59265	.70636	.67149	37.837	296.80	4.8637	.85707	4.7765	23.721	6.0371
#1	.56440	.26764	1.0820	.00276	-.00681	.82989	.17270	.00211	.00355	.06859
#2	.56915	.27032	1.0924	.00477	.00241	.88901	.17481	.00226	.00253	.06297
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.02338**	**.01339**	**.17152**	**.00201**
Stddev	.00196	.01184	.00024	.00006	.00152
%RSD	531.32	50.622	1.8050	.03228	75.342
#1	-.00176	.01501	.01322	.17148	.00309
#2	.00102	.03175	.01356	.17156	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4454.2**	**63055.**	**4237.4**
Stddev	8.2	78.	7.9
%RSD	.18517	.12439	.18744
#1	4448.4	63110.	4231.8
#2	4460.0	62999.	4243.0

Sample Name: 280-27123-A-5-C@5 Acquired: 4/3/2012 12:28:04 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**4.2618**	**.01125**	**.00267**	**.48861**	**.00014**	**.00721**	**.38320**	**.00110**	**.00591**
Stddev	.00045	.0226	.00140	.00045	.00078	.00012	.00501	.00018	.00017	.00011
%RSD	77.796	.53029	12.398	16.752	.15889	87.840	69.538	.04750	15.482	1.9159
#1	.00089	4.2458	.01224	.00299	.48806	.00005	.00366	.38307	.00123	.00599
#2	.00026	4.2778	.01027	.00236	.48916	.00022	.01075	.38333	.00098	.00583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03995**	**.09792**	**99.893**	**.40608**	**.00313**	**.32450**	**.41663**	**.00352**	**.08973**	**.02900**
Stddev	.00003	.00023	.160	.03750	.00324	.00504	.00011	.00015	.00518	.00011
%RSD	.06791	.23337	.16005	9.2337	103.30	1.5542	.02702	4.2848	5.7751	.38888
#1	.03993	.09808	99.780	.43260	.00542	.32807	.41671	.00341	.08607	.02908
#2	.03997	.09776	100.01	.37957	.00084	.32094	.41655	.00363	.09340	.02892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62637**	**5.6047**	**1.5273**	**.00646**	W **-.00644**	**1.0537**	**.07611**	**.01013**	**.00210**	**.06392**
Stddev	.00173	.0016	.0019	.00078	.00176	.0187	.00062	.00000	.00037	.00021
%RSD	.27655	.02777	.12617	12.025	27.347	1.7792	.81103	.00140	17.666	.33447
#1	.62760	5.6058	1.5286	.00701	-.00768	1.0670	.07655	.01013	.00236	.06376
#2	.62515	5.6036	1.5259	.00591	-.00519	1.0405	.07567	.01013	.00184	.06407
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.01135**	**.01101**	**.17605**	**.00367**
Stddev	.00028	.00172	.00021	.00104	.00073
%RSD	78.726	15.134	1.8861	.59045	19.961
#1	-.00056	.01014	.01115	.17678	.00418
#2	-.00016	.01257	.01086	.17531	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4452.8**	**62963.**	**4247.4**
Stddev	10.7	174.	8.9
%RSD	.24043	.27587	.20943
#1	4445.2	62840.	4253.6
#2	4460.4	63086.	4241.1

Sample Name: 280-27123-A-6-C Acquired: 4/3/2012 12:30:31 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**40.152**	**.00448**	**.01589**	**.18363**	**.00095**	**-.00173**	**1.2701**	**.00257**	**.01073**
Stddev	.00029	.091	.00042	.00004	.00091	.00005	.00156	.0092	.00016	.00016
%RSD	1003.3	.22547	9.4721	.22034	.49352	5.3024	90.573	.72395	6.2851	1.5334
#1	-.00023	40.088	.00418	.01591	.18299	.00091	-.00062	1.2636	.00245	.01062
#2	.00017	40.216	.00478	.01586	.18427	.00098	-.00283	1.2766	.00268	.01085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04387**	**.03867**	**59.715**	**5.8274**	**.06029**	**7.7165**	**.36300**	**.00055**	**.36529**	**.03677**
Stddev	.00021	.00011	.014	.0708	.00083	.0054	.00017	.00031	.00253	.00011
%RSD	.48825	.29103	.02421	1.2157	1.3799	.07007	.04738	55.668	.69280	.29458
#1	.04403	.03875	59.726	5.7773	.05970	7.7127	.36288	.00077	.36708	.03669
#2	.04372	.03859	59.705	5.8775	.06088	7.7203	.36312	.00033	.36350	.03685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3250**	**1.1531**	**1.0073**	**.00117**	W **-.00551**	**6.6850**	**.02572**	**.01066**	**.01032**	**.53383**
Stddev	.0040	.0014	.0017	.00012	.00115	.1286	.00022	.00006	.00021	.00064
%RSD	.30509	.12199	.17153	10.320	20.837	1.9234	.86937	.60350	2.0239	.11982
#1	1.3278	1.1521	1.0061	.00125	-.00632	6.7759	.02588	.01061	.01047	.53338
#2	1.3221	1.1541	1.0085	.00108	-.00469	6.5941	.02556	.01070	.01017	.53428
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**-.02039**	**.04547**	**.20008**	**.00873**
Stddev	.00075	.00167	.00036	.00041	.00260
%RSD	151.50	8.1710	.80075	.20386	29.838
#1	.00004	-.02157	.04573	.19979	.01057
#2	-.00103	-.01921	.04521	.20036	.00689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4487.1**	**62671.**	**4296.6**
Stddev	6.1	65.	6.0
%RSD	.13533	.10384	.13928
#1	4491.4	62717.	4292.4
#2	4482.8	62625.	4300.8

Sample Name: 280-27123-A-7-C Acquired: 4/3/2012 12:32:56 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**23.464**	**.01184**	**.01700**	**.38501**	**.00051**	**-.00376**	**4.7019**	**.02073**	**.00680**
Stddev	.00012	.026	.00132	.00018	.00081	.00011	.00267	.0045	.00013	.00037
%RSD	7.4602	.11262	11.114	1.0725	.21148	20.664	70.866	.09576	.62577	5.3759
#1	.00156	23.445	.01277	.01713	.38558	.00043	-.00188	4.7051	.02064	.00706
#2	.00173	23.482	.01091	.01687	.38443	.00058	-.00565	4.6987	.02082	.00655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05401**	**.19048**	**105.19**	**1.7743**	**.00526**	**1.5823**	**2.9031**	**.00254**	**.35528**	**.04139**
Stddev	.00003	.00014	.08	.0209	.00058	.0028	.0014	.00009	.00113	.00031
%RSD	.05700	.07315	.07631	1.1792	10.986	.17837	.04819	3.5356	.31866	.75525
#1	.05403	.19038	105.14	1.7595	.00566	1.5803	2.9021	.00260	.35608	.04161
#2	.05398	.19058	105.25	1.7891	.00485	1.5843	2.9041	.00248	.35448	.04116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7151**	**1.0202**	**3.4884**	**.00482**	W **-.00643**	**6.8630**	**.30630**	**.03820**	**.00510**	**.46585**
Stddev	.0036	.0021	.0142	.00038	.00323	.0273	.00153	.00010	.00031	.01190
%RSD	.13241	.20338	.40615	7.8544	50.224	.39751	.49874	.27002	6.1183	2.5547
#1	2.7177	1.0216	3.4985	.00455	-.00414	6.8823	.30522	.03827	.00532	.45743
#2	2.7126	1.0187	3.4784	.00509	-.00871	6.8437	.30738	.03813	.00488	.47426
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00313**	**-.00711**	**.04043**	**5.2058**	**.00693**
Stddev	.00074	.00280	.00030	.0025	.00161
%RSD	23.609	39.362	.73641	.04849	23.257
#1	-.00261	-.00513	.04022	5.2040	.00806
#2	-.00366	-.00910	.04064	5.2076	.00579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4488.9**	**63422.**	**4281.2**
Stddev	9.4	66.	4.3
%RSD	.20967	.10478	.10086
#1	4482.3	63469.	4284.3
#2	4495.6	63375.	4278.2

Sample Name: 280-27123-A-8-C Acquired: 4/3/2012 12:35:17 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00010**	**49.556**	k **-.00017**	**.01408**	**.11048**	k **.00078**	k **-.00481**	**1.8884**	k **.00270**	k **.01466**
Stddev	.00006	.023	.00372	.00029	.00074	.00005	.00069	.0050	.00006	.00013
%RSD	57.234	.04572	2210.0	2.0251	.66983	6.8228	14.315	.26338	2.3093	.86459
#1	k -.00015	49.540	k -.00280	.01428	.11101	k .00074	k -.00432	1.8849	k .00265	k .01457
#2	k -.00006	49.572	k .00247	.01388	.10996	k .00082	k -.00530	1.8920	k .00274	k .01475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04287**	k **.03106**	k **43.814**	**4.9717**	**.08985**	**11.365**	**.78686**	**.00052**	**.33594**	**.04255**
Stddev	.00001	.00023	.017	.0326	.00201	.018	.00124	.00015	.02050	.00032
%RSD	.02307	.74339	.03867	.65515	2.2317	.15827	.15761	28.215	6.1018	.75216
#1	.04286	k .03122	k 43.826	4.9487	.08843	11.353	.78599	.00063	.35043	.04232
#2	.04287	k .03090	k 43.802	4.9948	.09127	11.378	.78774	.00042	.32144	.04278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0029**	k **.08554**	**.51423**	k **-.00015**	k **-.00457**	**3.1319**	k **.01124**	**.01099**	k **.04146**	k **.56555**
Stddev	.0027	.00007	.00010	.00111	.00164	.0616	.00021	.00011	.00114	.00071
%RSD	.26927	.07865	.02006	737.73	35.928	1.9676	1.8907	1.0110	2.7413	.12632
#1	1.0010	k .08550	.51430	k .00063	k -.00574	3.1754	k .01139	.01107	k .04065	k .56605
#2	1.0048	k .08559	.51415	k -.00094	k -.00341	3.0883	k .01109	.01091	k .04226	k .56504
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00081**	k **-.01321**	k **.06366**	**.92419**	k **.00729**
Stddev	.00051	.00658	.00064	.00249	.00020
%RSD	62.104	49.810	1.0058	.26956	2.7791
#1	k -.00117	k -.01786	k .06321	.92243	k .00715
#2	k -.00046	k -.00855	k .06411	.92595	k .00743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4502.8**	**62220.**	**4286.7**
Stddev	2.6	232.	8.0
%RSD	.05675	.37365	.18647
#1	4504.6	62384.	4292.4
#2	4501.0	62055.	4281.1

Sample Name: 280-27123-A-9-C@5 Acquired: 4/3/2012 12:37:42 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**4.7743**	**.00339**	**.00419**	**.25698**	**.00017**	**.00149**	**.53502**	**.00141**	**.00751**
Stddev	.00041	.0245	.00131	.00009	.00074	.00001	.00231	.00342	.00007	.00008
%RSD	127.70	.51255	38.697	2.1512	.28734	5.7117	154.70	.63884	4.6111	1.1019
#1	.00003	4.7916	.00246	.00425	.25750	.00016	-.00014	.53743	.00136	.00756
#2	.00061	4.7570	.00431	.00413	.25646	.00018	.00313	.53260	.00146	.00745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02766**	**.32292**	**96.322**	**.36473**	**.00271**	**.26787**	**.35520**	**.00264**	**.11308**	**.03119**
Stddev	.00001	.00031	.211	.02536	.00022	.00158	.00028	.00024	.00132	.00021
%RSD	.03858	.09537	.21868	6.9539	8.2761	.58889	.07967	8.9650	1.1693	.66764
#1	.02766	.32270	96.471	.38267	.00255	.26675	.35540	.00281	.11401	.03104
#2	.02767	.32313	96.174	.34680	.00287	.26898	.35500	.00247	.11214	.03134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56094**	**1.0007**	**1.1128**	**.00283**	**-.00309**	**1.0648**	**.08114**	**.00544**	**.00292**	**.07069**
Stddev	.00108	.0060	.0035	.00247	.00063	.0558	.00084	.00000	.00010	.00764
%RSD	.19178	.59669	.31195	87.129	20.272	5.2415	1.0367	.03436	3.3388	10.815
#1	.56018	.99648	1.1153	.00458	-.00265	1.1042	.08174	.00544	.00285	.07609
#2	.56170	1.0049	1.1104	.00109	-.00353	1.0253	.08055	.00544	.00299	.06528
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00351**	**.00885**	**.49086**	**.00272**
Stddev	.00228	.00038	.00006	.00061	.00025
%RSD	510.00	10.797	.67733	.12484	9.2429
#1	-.00116	.00325	.00889	.49043	.00290
#2	.00206	.00378	.00881	.49130	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4402.8**	**62194.**	**4169.6**
Stddev	12.2	2.	24.7
%RSD	.27629	.00331	.59157
#1	4411.4	62193.	4152.2
#2	4394.2	62196.	4187.1

Sample Name: 280-27123-A-10-C Acquired: 4/3/2012 12:40:08 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**40.228**	**-.00119**	**.01527**	**.14429**	**.00082**	**-.00397**	**1.1491**	**.00186**	**.00513**
Stddev	.00087	.110	.00052	.00017	.00044	.00004	.00472	.0049	.00005	.00004
%RSD	200.77	.27279	43.984	1.1276	.30768	4.5565	118.83	.42781	2.6015	.73580
#1	-.00018	40.150	-.00082	.01539	.14397	.00079	-.00063	1.1456	.00182	.00510
#2	.00105	40.306	-.00156	.01515	.14460	.00084	-.00731	1.1526	.00189	.00515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03920**	**.04979**	**15.554**	**5.4594**	**.04060**	**4.4148**	**.11420**	**.00019**	**.35315**	**.02326**
Stddev	.00017	.00061	.032	.0066	.00145	.0008	.00015	.00001	.00773	.00004
%RSD	.42342	1.2152	.20553	.12041	3.5826	.01721	.12939	7.1886	2.1892	.17629
#1	.03932	.05022	15.531	5.4547	.04162	4.4154	.11409	.00018	.35861	.02329
#2	.03908	.04937	15.576	5.4640	.03957	4.4143	.11430	.00020	.34768	.02323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0762**	**.11250**	**1.4581**	**.00096**	**-.00389**	**3.3357**	**.00995**	**.00945**	**.01027**	**.51134**
Stddev	.0004	.00116	.0042	.00146	.00325	.0146	.00023	.00006	.00147	.00417
%RSD	.03560	1.0308	.28728	152.25	83.364	.43896	2.3085	.66039	14.313	.81623
#1	1.0759	.11168	1.4610	.00199	-.00619	3.3460	.00978	.00941	.00923	.50839
#2	1.0764	.11332	1.4551	-.00007	-.00160	3.3253	.01011	.00950	.01131	.51429
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**-.01975**	**.04028**	**.40591**	**.00683**
Stddev	.00086	.01648	.00050	.00046	.00014
%RSD	86.989	83.412	1.2479	.11415	2.0609
#1	.00038	-.03140	.03992	.40624	.00673
#2	.00159	-.00810	.04063	.40558	.00693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4489.2**	**62337.**	**4217.4**
Stddev	.9	44.	18.6
%RSD	.01977	.07133	.44197
#1	4489.8	62368.	4204.2
#2	4488.6	62305.	4230.6

Sample Name: CCVH-1338467 Acquired: 4/3/2012 12:42:36 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00397**	**49.228**	**-.00443**	**.00208**	**.00050**	**.00003**	**1.0203**	**.00068**	**-.00201**	**.00180**	**.00025**	**.00239**	**48.965**
Stddev	.00080	.054	.00022	.00016	.00003	.00005	.0015	.00377	.00007	.00000	.00010	.00013	.241
%RSD	20.180	.10924	4.8579	7.8622	5.9252	152.80	.14443	550.33	3.6969	.19456	38.315	5.6003	.49239
#1	.00341	49.266	-.00427	.00220	.00052	.00000	1.0214	-.00198	-.00195	.00179	.00032	.00230	49.135
#2	.00454	49.190	-.00458	.00197	.00048	.00007	1.0193	.00335	-.00206	.00180	.00018	.00249	48.794
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05109**	**.00011**	**-.00721**	**-.00041**	**-.00099**	**246.04**	**.00174**	**.00571**	**.00007**	**4.8945**	**-.00285**	**-.00623**	**.02879**
Stddev	.01360	.00104	.00365	.00003	.00007	.83	.00010	.00259	.00075	.0121	.00149	.00342	.01099
%RSD	26.619	969.52	50.640	7.3447	7.1831	.33900	5.7603	45.395	1028.5	.24725	52.243	54.976	38.183
#1	.04147	.00084	-.00463	-.00043	-.00094	246.63	.00181	.00388	-.00046	4.8860	-.00390	-.00865	.02101
#2	.06071	-.00063	-.00979	-.00038	-.00104	245.45	.00167	.00755	.00060	4.9031	-.00180	-.00381	.03656
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00275**	**.00030**	**5.0376**	**.00152**	**.00236**	**9.9769**	**.00874**	**.00256**	**-.02593**
Stddev	.00064	.00007	.0152	.00036	.00077	.0141	.00068	.00013	.00100
%RSD	23.208	24.556	.30135	23.552	32.705	.14138	7.7851	5.0322	3.8755
#1	.00320	.00036	5.0483	.00177	.00291	9.9869	.00826	.00247	-.02664
#2	.00229	.00025	5.0268	.00127	.00181	9.9670	.00922	.00265	-.02522
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4277.5**	**59285.**	**4087.2**
Stddev	1.1	197.	3.9
%RSD	.02557	.33179	.09429
#1	4278.3	59424.	4090.0
#2	4276.8	59146.	4084.5

Sample Name: CCV-1338469 Acquired: 4/3/2012 12:45:03 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51253**	**.51373**	**.98209**	**.49993**	**.49572**	**.47781**	**.00205**	**4.9454**	**.50026**	**.50440**	**.50283**	**.48933**	**2.4144**
Stddev	.00176	.00848	.00181	.00038	.00179	.00268	.00406	.0113	.00119	.00084	.00098	.00183	.0178
%RSD	.34347	1.6516	.18469	.07566	.36035	.56055	198.33	.22799	.23789	.16695	.19420	.37313	.73852
#1	.51128	.50773	.98337	.49966	.49698	.47971	.00492	4.9534	.50110	.50499	.50353	.48803	2.4270
#2	.51377	.51973	.98081	.50020	.49446	.47592	-.00082	4.9374	.49942	.50380	.50214	.49062	2.4018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.005**	**.96538**	**19.730**	**.49008**	**.49349**	**4.9160**	**.49933**	**.99319**	**1.0098**	**-.00249**	**.98171**	**.98939**	**4.7848**
Stddev	.283	.00069	.034	.00056	.00112	.0249	.00029	.00267	.0000	.00060	.00298	.00153	.0389
%RSD	.59016	.07150	.17036	.11445	.22644	.50590	.05848	.26908	.00154	24.176	.30362	.15441	.81272
#1	48.206	.96490	19.706	.48969	.49428	4.9336	.49954	.99130	1.0098	-.00292	.97960	.98831	4.8123
#2	47.805	.96587	19.754	.49048	.49270	4.8984	.49913	.99508	1.0098	-.00207	.98382	.99047	4.7573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0259**	**.48141**	**.00109**	**.50214**	**1.0233**	**.01790**	**.50619**	**.50102**	**.48661**
Stddev	.0014	.00146	.00164	.00034	.0028	.00681	.00000	.00008	.00302
%RSD	.13584	.30342	150.21	.06847	.27746	38.071	.00043	.01547	.62085
#1	1.0268	.48244	-.00007	.50190	1.0253	.02272	.50620	.50096	.48875
#2	1.0249	.48037	.00225	.50238	1.0213	.01308	.50619	.50107	.48448
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4340.6**	**60448.**	**4092.0**
Stddev	2.2	231.	12.1
%RSD	.05158	.38201	.29591
#1	4339.0	60611.	4083.5
#2	4342.1	60285.	4100.6

Sample Name: CCB Acquired: 4/3/2012 12:47:23 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00144**	W **-.00535**	W **.00171**	**.00009**	**.00002**	**-.00290**	**.00189**	**.00003**	**-.00026**
Stddev	.00031	.00039	.00109	.00032	.00007	.00003	.00259	.00042	.00016	.00003
%RSD	335.26	27.332	20.327	18.604	74.555	168.72	89.178	22.348	498.32	9.9458
#1	-.00013	.00116	-.00612	.00193	.00014	.00003	-.00473	.00160	-.00008	-.00028
#2	.00031	.00172	-.00458	.00148	.00004	.00000	-.00107	.00219	.00015	-.00024
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156						
Low Limit			-.00440	-.00156						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**-.00111**	**.00458**	**.02289**	**.00025**	**.00133**	**.00005**	**.00089**	**.03225**	**.00038**
Stddev	.00010	.00011	.00183	.00150	.00120	.00177	.00002	.00017	.00728	.00007
%RSD	20.139	10.354	39.870	6.5486	484.56	133.01	30.803	19.193	22.579	19.857
#1	.00060	-.00103	.00329	.02395	.00109	.00258	.00007	.00077	.03740	.00032
#2	.00045	-.00119	.00587	.02183	-.00060	.00008	.00004	.00101	.02710	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00024**	**-.00247**	**.00286**	**-.00471**	**.01505**	**.00066**	**.00007**	**.00087**	**.00056**
Stddev	.00231	.00029	.00271	.00169	.00297	.00807	.00000	.00006	.00124	.00003
%RSD	210.30	123.62	109.43	59.006	63.091	53.640	.36400	77.212	143.65	5.2428
#1	-.00053	.00044	-.00056	.00167	-.00681	.02076	.00066	.00003	.00175	.00054
#2	.00273	.00003	-.00439	.00405	-.00261	.00934	.00066	.00011	-.00001	.00058
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**-.01351**	**-.00036**	**.00251**	**.00185**
Stddev	.00056	.01880	.00021	.00034	.00140
%RSD	47.925	139.18	57.841	13.681	75.569
#1	.00155	-.00021	-.00051	.00275	.00284
#2	.00077	-.02681	-.00021	.00226	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4349.7**	**62158.**	**4139.3**
Stddev	3.6	134.	.5
%RSD	.08335	.21558	.01185
#1	4347.1	62252.	4139.6
#2	4352.2	62063.	4138.9

Sample Name: CCVL1342846 Acquired: 4/3/2012 12:49:55 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.10490**	W **.01129**	**.09584**	**.01063**	**.00101**	**.11232**	**.20279**	**.00491**	**.01033**	**.01103**
Stddev	.00028	.00071	.00450	.00036	.00034	.00001	.00025	.00150	.00005	.00010	.00029
%RSD	2.7617	.67570	39.813	.37895	3.2112	1.2547	.22114	.74189	1.0036	.99084	2.5979
#1	.01051	.10440	.01447	.09558	.01087	.00100	.11214	.20173	.00494	.01040	.01083
#2	.01010	.10540	.00811	.09609	.01039	.00102	.11250	.20386	.00487	.01026	.01124
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			-20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01431**	**.10315**	**2.9150**	**.00917**	**.20068**	**.01024**	**.01955**	**1.0389**	**.04110**	**2.7778**	**.01041**
Stddev	.00033	.00134	.0038	.00228	.00173	.00002	.00008	.0099	.00004	.0016	.00104
%RSD	2.3354	1.2981	.13173	24.831	.86063	.23982	.39417	.95278	.10406	.05832	9.9697
#1	.01455	.10410	2.9123	.01078	.20190	.01026	.01960	1.0459	.04107	2.7789	.00967
#2	.01408	.10220	2.9177	.00756	.19946	.01023	.01950	1.0319	.04113	2.7766	.01114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.00958**	**.01323**	**.48015**	**.10287**	**.00990**	**.01592**	**.00982**	**.01536**	**.05829**	**.00960**
Stddev	.00107	.00135	.00231	.01443	.00009	.00016	.00038	.00024	.00042	.00052	.00009
%RSD	76.750	14.133	17.446	3.0056	.08644	1.6653	2.3909	2.4925	2.7654	.89427	.89188
#1	-.00215	.00862	.01160	.46995	.10294	.01001	.01619	.01000	.01566	.05866	.00966
#2	-.00064	.01054	.01487	.49036	.10281	.00978	.01566	.00965	.01506	.05793	.00954
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02282**	**.01788**
Stddev	.00005	.00147
%RSD	.23487	8.2380
#1	.02286	.01684
#2	.02279	.01892
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4354.5**	**61899.**	**4115.1**
Stddev	12.1	96.	.3
%RSD	.27773	.15540	.00687
#1	4363.0	61967.	4114.9
#2	4345.9	61831.	4115.3

Sample Name: MB 280-113762/1-A Acquired: 4/3/2012 12:52:24 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00231**	**-.00235**	**.00159**	**.00031**	**-.00005**	**-.00300**	**.02690**	**-.00001**	**-.00044**
Stddev	.00029	.00063	.00573	.00047	.00021	.00003	.00435	.00276	.00014	.00005
%RSD	33.017	27.231	243.62	29.717	69.055	66.340	145.06	10.244	1024.8	11.507
#1	.00068	.00186	.00170	.00125	.00016	-.00003	-.00607	.02495	-.00011	-.00047
#2	.00110	.00275	-.00640	.00192	.00045	-.00007	.00008	.02885	.00008	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00024**	**.00833**	**.05767**	**.00009**	**.00292**	**.00008**	**-.00003**	**.19160**	**.00001**
Stddev	.00004	.00008	.00020	.03112	.00055	.00505	.00005	.00013	.00094	.00006
%RSD	970.89	32.568	2.4476	53.956	586.77	172.88	59.430	453.81	.49170	521.06
#1	-.00003	-.00018	.00847	.03567	-.00029	.00650	.00012	-.00012	.19093	.00006
#2	.00003	-.00029	.00818	.07967	.00048	-.00065	.00005	.00006	.19226	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00739**	**.00220**	**.02147**	**.00133**	**-.00350**	**.01687**	**.00815**	**.00004**	**-.00018**	**.00000**
Stddev	.00152	.00014	.00006	.00087	.00097	.00717	.00010	.00011	.00126	.0003
%RSD	20.570	6.2175	.30025	65.698	27.772	42.508	1.2245	278.12	705.81	20292.
#1	.00631	.00230	.02143	.00194	-.00281	.02194	.00822	-.00004	.00071	-.00023
#2	.00846	.00211	.02152	.00071	-.00418	.01180	.00808	.00012	-.00107	.00023
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500									
Low Limit	-.00500									

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.02005**	**-.00086**	**.00339**	**.00321**
Stddev	.00027	.00222	.00047	.00006	.00028
%RSD	53.601	11.087	53.936	1.6806	8.5692
#1	.00069	-.02162	-.00119	.00343	.00302
#2	.00031	-.01848	-.00053	.00335	.00341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4447.2**	**63667.**	**4211.6**
Stddev	3.5	181.	2.0
%RSD	.07917	.28354	.04847
#1	4444.7	63795.	4210.1
#2	4449.7	63540.	4213.0

Sample Name: LCS 280-113762/2-A Acquired: 4/3/2012 12:54:55 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05275**	**1.9450**	**.98151**	**.96696**	**1.9934**	**.04827**	**2.1063**	**48.915**	**.10216**	**.49472**
Stddev	.00086	.0226	.00501	.00444	.0006	.00020	.0058	.024	.00033	.00133
%RSD	1.6259	1.1630	.51059	.45877	.02871	.42408	.27357	.04938	.32513	.26969
#1	.05336	1.9290	.97797	.96382	1.9929	.04842	2.1022	48.932	.10192	.49378
#2	.05214	1.9610	.98506	.97009	1.9938	.04813	2.1104	48.897	.10239	.49567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20115**	**.24868**	**.97224**	**48.364**	**.97188**	**47.771**	**.49284**	**1.0006**	**50.527**	**.49411**
Stddev	.00034	.00020	.00003	.047	.00052	.065	.00099	.0035	.425	.00236
%RSD	.17143	.07947	.00310	.09796	.05307	.13692	.19987	.35046	.84058	.47717
#1	.20090	.24854	.97226	48.398	.97225	47.817	.49353	.99814	50.227	.49244
#2	.20139	.24882	.97222	48.331	.97152	47.724	.49214	1.0031	50.828	.49577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.047**	**.49634**	**.01958**	**.48839**	**1.9193**	**1.8252**	**2.0336**	**.97500**	**1.0077**	**1.0165**
Stddev	.042	.00114	.00283	.00346	.0052	.0063	.0087	.00024	.0054	.0015
%RSD	.41880	.23030	14.436	.70928	.27227	.34564	.42906	.02484	.53327	.15146
#1	10.017	.49715	.02158	.48594	1.9156	1.8297	2.0274	.97517	1.0115	1.0176
#2	10.077	.49553	.01758	.49084	1.9230	1.8207	2.0397	.97483	1.0039	1.0155
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9635**	**2.0840**	**.51248**	**.48656**	**.48408**
Stddev	.0078	.0069	.00163	.00063	.00293
%RSD	.39973	.32998	.31891	.13045	.60552
#1	1.9580	2.0791	.51364	.48701	.48201
#2	1.9691	2.0888	.51133	.48611	.48615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4251.1**	**59879.**	**4153.8**
Stddev	20.8	21.	8.9
%RSD	.48845	.03560	.21371
#1	4265.8	59864.	4160.1
#2	4236.5	59894.	4147.5

Sample Name: 280-27148-A-1-A Acquired: 4/3/2012 12:57:12 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**86.646**	**.02181**	**.01514**	**.70642**	**.00104**	**-.00525**	**71.004**	**.00148**	**.08735**
Stddev	.00043	.014	.00016	.00037	.00125	.00011	.00110	.031	.00008	.00010
%RSD	212.31	.01651	.72613	2.4585	.17729	10.421	21.003	.04434	5.6849	.11015
#1	.00050	86.656	.02192	.01540	.70554	.00112	-.00447	71.026	.00142	.08728
#2	-.00010	86.636	.02170	.01488	.70731	.00097	-.00603	70.981	.00154	.08742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10968**	**.15561**	**222.00**	**14.272**	**.07608**	**48.215**	**3.3118**	**.00281**	**3.9592**	**.12971**
Stddev	.00017	.00032	.04	.044	.00004	.000	.0039	.00016	.0149	.00036
%RSD	.15680	.20358	.01701	.30699	.05340	.00064	.11865	5.6924	.37526	.27900
#1	.10956	.15539	222.03	14.241	.07611	48.214	3.3146	.00270	3.9697	.12945
#2	.10980	.15584	221.97	14.303	.07605	48.215	3.3090	.00293	3.9487	.12996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3785**	**.05922**	**.71297**	**.00514**	W **-.00641**	**5.0871**	**-.01467**	**.30728**	**.04090**	W **16.113**
Stddev	.0132	.00060	.00311	.00061	.00410	.0228	.00001	.00064	.00174	.064
%RSD	.15791	1.0151	.43559	11.848	63.975	.44832	.03811	.20670	4.2511	.39899
#1	8.3691	.05964	.71077	.00471	-.00930	5.1032	-.01467	.30773	.04213	16.158
#2	8.3878	.05879	.71516	.00557	-.00351	5.0710	-.01467	.30683	.03967	16.067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01245**	**.00869**	**.54670**	**.48176**	**.20618**
Stddev	.00001	.00040	.00085	.00025	.00206
%RSD	.06788	4.6440	.15535	.05210	.99845
#1	.01245	.00841	.54610	.48159	.20473
#2	.01244	.00898	.54730	.48194	.20764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4727.1**	**65883.**	**4616.1**
Stddev	5.0	131.	2.4
%RSD	.10592	.19846	.05157
#1	4730.7	65790.	4617.8
#2	4723.6	65975.	4614.4

Sample Name: sd 280-27148-A-1-A@5 Acquired: 4/3/2012 12:59:39 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**19.197**	**.00496**	**.00529**	**.15663**	**.00025**	**-.00366**	**15.586**	**.00021**	**.02067**
Stddev	.00086	.033	.00437	.00025	.00036	.00012	.00441	.020	.00008	.00023
%RSD	409.97	.17138	88.142	4.7535	.23268	47.441	120.57	.12888	38.540	1.1132
#1	.00082	19.174	.00805	.00546	.15638	.00034	-.00054	15.571	.00015	.02051
#2	-.00040	19.220	.00187	.00511	.15689	.00017	-.00677	15.600	.00027	.02083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02488**	**.03473**	**49.569**	**3.1380**	**.01605**	**10.953**	**.74335**	**.00029**	**.87333**	**.03013**
Stddev	.00005	.00026	.118	.0319	.00015	.010	.00074	.00015	.00890	.00009
%RSD	.20764	.74521	.23785	1.0183	.95776	.08782	.09973	53.311	1.0188	.29118
#1	.02484	.03491	49.652	3.1606	.01616	10.959	.74387	.00018	.86704	.03007
#2	.02492	.03455	49.486	3.1154	.01594	10.946	.74282	.00039	.87962	.03019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8733**	**.01286**	**.15600**	**.00016**	**.00045**	**1.1726**	**-.00432**	**.06802**	**.01117**	**3.5679**
Stddev	.0039	.00009	.00057	.00052	.00040	.0447	.00015	.00035	.00084	.0088
%RSD	.21038	.71590	.36750	336.51	88.561	3.8155	3.5572	.51217	7.4820	.24683
#1	1.8705	.01280	.15559	-.00021	.00017	1.2042	-.00421	.06777	.01176	3.5742
#2	1.8760	.01293	.15641	.00052	.00073	1.1409	-.00443	.06827	.01057	3.5617
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00260**	**-.02827**	**.11950**	**.11120**	**.04547**
Stddev	.00061	.00369	.00051	.00096	.00023
%RSD	23.425	13.067	.42751	.86586	.51265
#1	.00303	-.02566	.11914	.11188	.04530
#2	.00217	-.03088	.11986	.11052	.04563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4497.3**	**63124.**	**4288.4**
Stddev	.7	8.	7.2
%RSD	.01490	.01281	.16859
#1	4496.8	63118.	4283.3
#2	4497.8	63129.	4293.5

Sample Name: 280-27148-A-1-B DU Acquired: 4/3/2012 13:02:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**77.659**	**.01891**	**.01264**	**.72927**	**.00056**	**-.00824**	**78.132**	**.00151**	**.09069**
Stddev	.00035	.251	.00142	.00040	.00139	.00000	.00108	.205	.00006	.00032
%RSD	50.149	.32277	7.5093	3.1627	.19005	.30948	13.123	.26180	4.1456	.35162
#1	.00094	77.482	.01991	.01236	.72829	.00057	-.00901	77.987	.00146	.09091
#2	.00045	77.836	.01790	.01293	.73025	.00056	-.00748	78.277	.00155	.09046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13817**	**.15545**	**219.81**	**13.051**	**.07451**	**44.782**	**3.2535**	**.00263**	**3.3059**	**.14343**
Stddev	.00008	.00009	.43	.027	.00003	.019	.0007	.00011	.0090	.00011
%RSD	.05931	.06013	.19373	.20819	.03834	.04296	.02138	4.1075	.27296	.07648
#1	.13811	.15551	219.50	13.032	.07453	44.768	3.2530	.00270	3.2996	.14335
#2	.13823	.15538	220.11	13.071	.07449	44.795	3.2540	.00255	3.3123	.14350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3331**	**.06974**	**.70982**	**.00573**	F **-.01570**	**4.1977**	**-.01845**	**.31384**	**.04293**	W **17.567**
Stddev	.0099	.00067	.00396	.00155	.00260	.0488	.00042	.00064	.00138	.084
%RSD	.11924	.96045	.55734	26.981	16.560	1.1615	2.2575	.20493	3.2165	.47555
#1	8.3260	.07021	.71261	.00464	-.01386	4.1632	-.01816	.31339	.04390	17.626
#2	8.3401	.06926	.70702	.00683	-.01754	4.2322	-.01874	.31430	.04195	17.508
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01147**	**-.04542**	**.56688**	**.46314**	**.21125**
Stddev	.00097	.01437	.00007	.00084	.00289
%RSD	8.4906	31.642	.01225	.18072	1.3673
#1	.01078	-.03526	.56683	.46373	.20921
#2	.01216	-.05558	.56693	.46255	.21329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4719.0**	**65925.**	**4610.5**
Stddev	1.3	23.	12.9
%RSD	.02830	.03416	.28078
#1	4718.0	65909.	4619.6
#2	4719.9	65941.	4601.3

Sample Name: 280-27148-A-1-C MS Acquired: 4/3/2012 13:04:33 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04827**	**105.25**	**.88734**	**.84497**	**2.5156**	**.04345**	**1.8645**	**130.46**	**.09213**	**.51563**
Stddev	.00033	.18	.00077	.00136	.0043	.00007	.0047	.17	.00007	.00044
%RSD	.69105	.17379	.08703	.16153	.17110	.16769	.25006	.13206	.07863	.08622
#1	.04803	105.38	.88789	.84401	2.5186	.04340	1.8678	130.58	.09218	.51531
#2	.04851	105.12	.88680	.84594	2.5125	.04350	1.8612	130.34	.09208	.51594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30721**	**.38338**	**228.26**	**59.891**	**.96087**	**96.629**	**3.9243**	**.85933**	**51.574**	**.57884**
Stddev	.00018	.00083	.40	.057	.00279	.083	.0070	.00186	.101	.00013
%RSD	.05813	.21725	.17500	.09589	.29072	.08595	.17729	.21683	.19675	.02329
#1	.30734	.38397	228.54	59.932	.96284	96.570	3.9292	.86065	51.503	.57875
#2	.30709	.38279	227.98	59.850	.95889	96.688	3.9194	.85801	51.646	.57894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.992**	**.48033**	**.66802**	**.27154**	**1.6828**	**5.3863**	**1.6456**	**1.2459**	**.93887**	W **18.705**
Stddev	.016	.00351	.00549	.00255	.0014	.0267	.0006	.0015	.00098	.135
%RSD	.09326	.73035	.82167	.93872	.08395	.49565	.03858	.12464	.10424	.72364
#1	17.003	.48281	.66414	.26974	1.6818	5.4052	1.6460	1.2470	.93818	18.801
#2	16.980	.47785	.67191	.27334	1.6838	5.3675	1.6451	1.2448	.93956	18.610
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6453**	**1.7991**	**1.0573**	**.88408**	**.65708**
Stddev	.0012	.0222	.0001	.00130	.00325
%RSD	.07053	1.2310	.01254	.14728	.49450
#1	1.6462	1.7834	1.0572	.88500	.65479
#2	1.6445	1.8147	1.0574	.88316	.65938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4630.6**	**64384.**	**4589.1**
Stddev	2.8	74.	4.6
%RSD	.06020	.11553	.09984
#1	4628.7	64331.	4585.9
#2	4632.6	64436.	4592.4

Sample Name: 280-27148-A-2-A Acquired: 4/3/2012 13:07:00 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**79.014**	**.02557**	**.01337**	**.62586**	**.00071**	W **-.01142**	**64.349**	**.00135**	**.08365**
Stddev	.00033	.078	.00073	.00002	.00003	.00004	.00180	.034	.00005	.00035
%RSD	245.61	.09831	2.8601	.11939	.00552	5.3292	15.787	.05227	3.6887	.42176
#1	.00010	78.959	.02506	.01336	.62584	.00069	-.01014	64.373	.00132	.08390
#2	-.00037	79.069	.02609	.01338	.62588	.00074	-.01269	64.326	.00139	.08340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10243**	**.15241**	**219.86**	**13.076**	**.07097**	**42.951**	**3.1773**	**.00221**	**3.7495**	**.11466**
Stddev	.00006	.00020	.45	.074	.00232	.137	.0081	.00032	.0131	.00019
%RSD	.05374	.13443	.20559	.56793	3.2648	.31864	.25583	14.248	.34964	.16323
#1	.10247	.15227	220.18	13.023	.06933	43.047	3.1831	.00199	3.7588	.11479
#2	.10239	.15256	219.54	13.128	.07261	42.854	3.1716	.00244	3.7402	.11452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.0959**	**.05030**	**.75677**	**.00675**	W **-.00866**	**3.2129**	**-.01506**	**.27157**	**.03882**	W **15.809**
Stddev	.0061	.00243	.00274	.00089	.00831	.0027	.00083	.00025	.00206	.149
%RSD	.06753	4.8310	.36180	13.183	95.984	.08515	5.4915	.09292	5.3053	.93988
#1	9.0916	.05202	.75483	.00738	-.00278	3.2109	-.01564	.27175	.04028	15.914
#2	9.1003	.04859	.75871	.00612	-.01454	3.2148	-.01447	.27139	.03737	15.704
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01187**	**-.04323**	**.55518**	**.49068**	**.19615**
Stddev	.00229	.00255	.00201	.00210	.00049
%RSD	19.312	5.8937	.36138	.42873	.25210
#1	.01025	-.04142	.55660	.49217	.19580
#2	.01349	-.04503	.55377	.48919	.19650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4798.5**	**66729.**	**4638.2**
Stddev	1.5	538.	12.3
%RSD	.03206	.80613	.26502
#1	4797.4	66348.	4629.6
#2	4799.5	67109.	4646.9

Sample Name: 280-27139-E-5-A Acquired: 4/3/2012 13:09:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.01655**	**-.00015**	**.00239**	**.00255**	**.00004**	**-.00493**	**.03958**	**-.00026**	**-.00029**
Stddev	.00009	.00820	.00208	.00019	.00033	.00004	.00196	.00501	.00009	.00012
%RSD	18.827	49.551	1374.3	7.8510	13.148	110.19	39.708	12.647	33.946	40.255
#1	.00056	.01075	-.00162	.00226	.00278	.00007	-.00632	.04312	-.00020	-.00021
#2	.00043	.02235	.00132	.00252	.00231	.00001	-.00355	.03604	-.00033	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00069**	**.05188**	**.05892**	**.00021**	**.02239**	**.00177**	**.00014**	**.02331**	**-.00006**
Stddev	.00012	.00021	.00792	.00355	.00021	.00194	.00009	.00000	.01413	.00001
%RSD	241.61	30.484	15.259	6.0214	102.63	8.6810	5.3558	2.4434	60.592	12.521
#1	-.00013	-.00084	.05748	.05642	.00036	.02377	.00183	.00013	.03330	-.00006
#2	.00004	-.00054	.04628	.06143	.00006	.02102	.00170	.00014	.01333	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00255**	**-.00033**	**.02470**	**-.00057**	**-.00317**	**.03408**	**.00038**	**.00068**	**.00060**	**.00577**
Stddev	.00012	.00023	.00655	.00140	.00407	.00960	.00110	.00013	.00085	.00063
%RSD	4.8938	68.969	26.534	243.77	128.36	28.158	293.62	18.741	141.22	10.937
#1	.00264	-.00017	.02934	.00041	-.00029	.04087	-.00040	.00077	.00120	.00622
#2	.00247	-.00049	.02007	-.00156	-.00604	.02730	.00115	.00059	.00000	.00533
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00803**	**-.00071**	**.00488**	**.00383**
Stddev	.00027	.00893	.00024	.00047	.00327
%RSD	125.18	111.21	33.258	9.7213	85.399
#1	-.00002	-.00172	-.00087	.00522	.00615
#2	-.00040	-.01435	-.00054	.00454	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4421.7**	**63525.**	**4219.4**
Stddev	22.0	259.	6.1
%RSD	.49825	.40833	.14461
#1	4437.3	63708.	4215.1
#2	4406.1	63341.	4223.7

Sample Name: CCVH-1338467 Acquired: 4/3/2012 13:11:58 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00428**	**49.009**	**-.00344**	**.00307**	**.00055**	**.00003**	**1.0227**	**.00593**	**-.00200**	**.00180**	**.00022**	**.00246**	**48.943**
Stddev	.00042	.062	.00549	.00081	.00035	.00002	.0012	.00227	.00015	.00014	.00019	.00012	.135
%RSD	9.9089	.12570	159.52	26.212	63.538	50.472	.11595	38.189	7.5362	7.7015	85.461	4.9824	.27579
#1	.00458	49.053	.00044	.00250	.00030	.00004	1.0236	.00433	-.00211	.00190	.00035	.00255	49.038
#2	.00398	48.966	-.00733	.00364	.00079	.00002	1.0219	.00754	-.00189	.00170	.00009	.00237	48.847
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02525**	**-.00081**	**-.00937**	**-.00037**	**-.00129**	**246.41**	**.00159**	**.00810**	**.00077**	**4.9189**	**-.00365**	**-.00371**	**.02026**
Stddev	.04143	.00006	.00112	.00005	.00002	.33	.00022	.00153	.00073	.0066	.00026	.00527	.00386
%RSD	164.09	7.2702	11.939	14.614	1.8769	.13462	14.044	18.948	94.492	.13446	7.0566	142.02	19.030
#1	-.00405	-.00077	-.01016	-.00034	-.00127	246.64	.00175	.00702	.00026	4.9142	-.00347	-.00744	.01753
#2	.05454	-.00085	-.00858	-.00041	-.00130	246.17	.00143	.00919	.00129	4.9236	-.00383	.00002	.02298
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00034**	**5.0358**	**.00216**	**.00241**	**10.040**	**.00811**	**.00350**	**-.02754**
Stddev	.00063	.00002	.0019	.00042	.00045	.002	.00089	.00015	.00027
%RSD	22.362	6.7977	.03756	19.329	18.567	.01760	11.013	4.2686	.98751
#1	.00238	.00036	5.0344	.00246	.00272	10.042	.00748	.00339	-.02773
#2	.00327	.00032	5.0371	.00186	.00209	10.039	.00874	.00361	-.02735
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4297.9**	**59788.**	**4164.0**
Stddev	19.0	173.	10.8
%RSD	.44233	.28999	.25898
#1	4311.3	59911.	4171.6
#2	4284.4	59666.	4156.4

Sample Name: CCV-1338469 Acquired: 4/3/2012 13:14:25 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51802**	**.51570**	**.99236**	**.50595**	**.50171**	**.48100**	**.00011**	**4.9845**	**.50478**	**.50962**	**.50711**	**.49564**	**2.4285**
Stddev	.00004	.00541	.00073	.00117	.00202	.00181	.00074	.0135	.00064	.00087	.00091	.00026	.0234
%RSD	.00801	1.0485	.07315	.23077	.40201	.37653	676.62	.26992	.12581	.17075	.17962	.05254	.96278
#1	.51799	.51187	.99288	.50513	.50028	.47972	.00064	4.9749	.50433	.50900	.50646	.49583	2.4119
#2	.51805	.51952	.99185	.50678	.50314	.48228	-.00042	4.9940	.50523	.51023	.50775	.49546	2.4450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.375**	**.97167**	**19.839**	**.49316**	**.49788**	**4.9421**	**.50326**	**.99506**	**1.0194**	**-.00176**	**.99392**	**1.0022**	**4.8495**
Stddev	.124	.00541	.037	.00091	.00100	.0164	.00088	.00343	.0007	.00324	.00081	.0037	.0204
%RSD	.25638	.55714	.18645	.18477	.20079	.33134	.17439	.34457	.06906	183.71	.08124	.37171	.42161
#1	48.287	.96785	19.866	.49381	.49718	4.9306	.50264	.99263	1.0199	-.00406	.99450	.99959	4.8351
#2	48.463	.97550	19.813	.49252	.49859	4.9537	.50388	.99748	1.0189	.00053	.99335	1.0049	4.8640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0315**	**.48652**	**.00019**	**.50624**	**1.0331**	**-.01276**	**.50976**	**.50070**	**.49467**
Stddev	.0009	.00213	.00114	.00093	.0013	.00246	.00046	.00112	.00238
%RSD	.09134	.43715	608.99	.18331	.12730	19.291	.08931	.22300	.48140
#1	1.0322	.48502	-.00062	.50689	1.0340	-.01102	.51008	.49991	.49299
#2	1.0308	.48803	.00099	.50558	1.0322	-.01450	.50944	.50149	.49636
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4353.7**	**61157.**	**4147.4**
Stddev	4.2	203.	12.7
%RSD	.09752	.33172	.30505
#1	4356.7	61014.	4156.4
#2	4350.7	61301.	4138.5

Sample Name: CCB Acquired: 4/3/2012 13:16:45 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00072**	W **-.00550**	W **.00206**	**.00034**	**.00001**	**-.00116**	**.00065**	**-.00011**	**-.00016**
Stddev	.00050	.00027	.00166	.00013	.00013	.00009	.00247	.00574	.00009	.00001
%RSD	111.98	37.709	30.193	6.4313	38.655	648.86	212.46	879.53	83.738	5.0054
#1	.00009	.00091	-.00433	.00215	.00025	.00008	-.00291	.00471	-.00004	-.00015
#2	.00079	.00052	-.00667	.00196	.00043	-.00005	.00058	-.00341	-.00017	-.00016
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156						
Low Limit			-.00440	-.00156						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**-.00085**	**.00341**	**.05338**	**.00081**	**.00005**	**-.00002**	**.00076**	**.02007**	**-.00018**
Stddev	.00020	.00027	.00123	.00354	.00092	.00029	.00003	.00025	.00237	.00021
%RSD	38.294	31.702	35.978	6.6363	113.45	607.62	141.35	32.347	11.809	115.32
#1	.00038	-.00066	.00255	.05589	.00146	-.00016	-.00004	.00059	.02175	-.00033
#2	.00066	-.00104	.00428	.05088	.00016	.00025	.00000	.00094	.01840	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.00142**	**-.00224**	W **.00446**	**.00203**	**.01278**	**.00066**	**.00001**	**.00157**	**-.00011**
Stddev	.00142	.00059	.00229	.00012	.00314	.00997	.00099	.00006	.00036	.00033
%RSD	94.779	41.762	102.40	2.7981	155.00	78.006	148.98	785.13	23.135	293.87
#1	.00049	.00100	-.00062	.00455	-.00019	.00573	-.00004	.00005	.00183	-.00035
#2	.00250	.00184	-.00385	.00437	.00425	.01983	.00137	-.00004	.00132	.00012
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**-.01367**	**-.00030**	**.00227**	**.00125**
Stddev	.00081	.00659	.00082	.00047	.00006
%RSD	204.83	48.188	274.31	20.798	4.5839
#1	-.00097	-.00901	-.00087	.00193	.00121
#2	.00018	-.01832	.00028	.00260	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4306.2**	**61271.**	**4080.9**
Stddev	4.5	145.	28.1
%RSD	.10475	.23674	.68793
#1	4303.0	61168.	4100.8
#2	4309.4	61373.	4061.1

Sample Name: CCVL1342846 Acquired: 4/3/2012 13:19:18 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01045**	**.10551**	W **.01153**	**.09670**	**.01057**	**.00102**	**.10869**	**.20031**	**.00498**	**.01023**	**.01096**
Stddev	.00047	.00028	.00638	.00055	.00030	.00001	.00192	.00355	.00001	.00038	.00016
%RSD	4.4489	.26566	55.308	.57090	2.8172	1.1416	1.7639	1.7742	.29825	3.7171	1.4677
#1	.01078	.10531	.00702	.09709	.01078	.00103	.11005	.20282	.00497	.01050	.01084
#2	.01012	.10571	.01604	.09631	.01036	.00101	.10734	.19780	.00499	.00996	.01107
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			-20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01421**	**.10246**	**2.9019**	**.01036**	**.20259**	**.01024**	**.01963**	**1.0132**	**.04108**	**2.7847**	**.01053**
Stddev	.00019	.00170	.0261	.00038	.00025	.00000	.00045	.0019	.00012	.0066	.00102
%RSD	1.3201	1.6625	.90033	3.7122	.12432	.03273	2.2709	.18932	.28316	.23717	9.7040
#1	.01434	.10366	2.8835	.01009	.20277	.01025	.01932	1.0119	.04100	2.7801	.01125
#2	.01408	.10125	2.9204	.01063	.20241	.01024	.01995	1.0146	.04116	2.7894	.00981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.01090**	**.01314**	**.49274**	**.10197**	**.00991**	**.01549**	**.00979**	**.01522**	**.05701**	**.00993**
Stddev	.00343	.00236	.00160	.00333	.00065	.00001	.00077	.00004	.00080	.00374	.00042
%RSD	408.48	21.673	12.143	.67512	.64094	.11332	4.9566	.44491	5.2705	6.5629	4.2093
#1	.00158	.01257	.01201	.49509	.10244	.00992	.01603	.00982	.01579	.05966	.01022
#2	-.00326	.00923	.01426	.49039	.10151	.00990	.01495	.00976	.01465	.05437	.00963
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02239**	**.01632**
Stddev	.00028	.00076
%RSD	1.2530	4.6410
#1	.02259	.01578
#2	.02219	.01685
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4334.1**	**61649.**	**4118.5**
Stddev	2.8	189.	12.4
%RSD	.06356	.30725	.30017
#1	4332.1	61515.	4127.2
#2	4336.0	61783.	4109.8

Sample Name: Fe 1000 Acquired: 4/3/2012 13:21:47 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	F **-.43425**	F **-.02882**	**-.00929**	**-.00015**	**.00006**	**.00936**	**.02881**	**.00053**	**.00981**
Stddev	.00015	.01623	.00231	.00033	.00006	.00004	.00237	.00433	.00024	.00003
%RSD	6.4517	3.7371	8.0029	3.6001	37.834	72.008	25.355	15.041	45.437	.29806
#1	.00227	-.44572	-.03045	-.00905	-.00019	.00009	.00768	.03187	.00069	.00983
#2	.00249	-.42277	-.02719	-.00952	-.00011	.00003	.01103	.02575	.00036	.00979
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		3.0000	50.000							
Low Limit		-.10000	-.02000							

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**.02287**	W **1032.2**	**-.17774**	**-.00057**	W **-.16654**	**.01831**	**-.00537**	**.11306**	**.02624**
Stddev	.00020	.00023	3.8	.01192	.00099	.00297	.00001	.00034	.00783	.00033
%RSD	5.2034	1.0077	.36812	6.7056	175.04	1.7850	.06805	6.2716	6.9238	1.2427
#1	.00392	.02270	1034.9	-.18617	-.00127	-.16864	.01830	-.00561	.10752	.02648
#2	.00364	.02303	1029.5	-.16932	.00013	-.16444	.01832	-.00513	.11859	.02601
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00			500.00				
Low Limit			40.000			-.10000				

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03232**	**.01158**	**.13292**	**.02187**	F **-.02636**	**.01726**	**.00719**	**.00048**	**.03383**	**.00049**
Stddev	.00079	.00113	.00117	.00132	.00591	.00405	.00036	.00011	.00177	.00021
%RSD	2.4480	9.7942	.87980	6.0257	22.442	23.450	4.9776	23.819	5.2184	42.333
#1	.03176	.01077	.13209	.02280	-.03054	.01440	.00745	.00056	.03258	.00063
#2	.03288	.01238	.13374	.02094	-.02217	.02012	.00694	.00040	.03508	.00034
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00186**	**.19391**	**.00075**	**.14995**	**-.00411**
Stddev	.00152	.01829	.00016	.00083	.00026
%RSD	81.997	9.4324	20.612	.55523	6.3664
#1	-.00293	.20685	.00064	.15054	-.00429
#2	-.00078	.18098	.00087	.14936	-.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4185.5**	**58938.**	**4118.9**
Stddev	2.9	170.	5.9
%RSD	.07048	.28916	.14445
#1	4187.6	58818.	4123.1
#2	4183.4	59059.	4114.7

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ICP Data Review Checklist

TALS BATCH NUMBER: 114077	**Earliest due date:** 4/3/12	
Run Date: 4/3/12	**Analyst:** HEB	**Instrument:** 26
QC programs/Methods Run: 6010B, DODV4.1		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: Heidi Brown **Date:** 4/3/12

Comments: Linear range Standard ran - Fe @ 1000 ppm

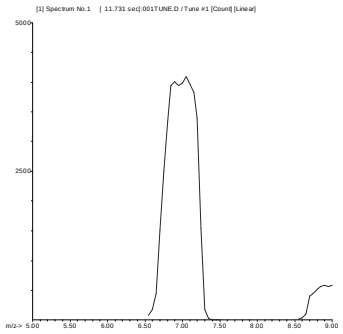
2nd Level Reviewer: Yongmin Ds **Date:** 4/3/12

Comments:

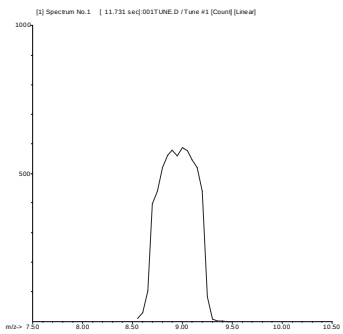
200.8 QC Tune Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\001TUNE.D
Date Acquired: Apr 2 2012 05:12 pm
Acq. Method: tun_isiA.M
Operator: TEL
Sample Name: ITUNE-1336977
Misc Info:
Vial Number: 4
Current Method: C:\ICPCHEM\1\METHODS\tun_isiA.M

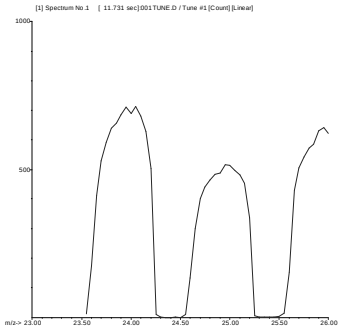
Element	CPS Mean	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	%RSD	Required	Flag
7 Li	40952	40474	41036	40579	41129	41541	**1.06**	5.00	
9 Be	5968	5878	5900	6100	5953	6006	**1.50**	5.00	
24 Mg	38197	37140	38357	38286	38391	38812	**1.64**	5.00	
25 Mg	5536	5448	5467	5557	5664	5545	**1.55**	5.00	
26 Mg	6984	6714	6985	7043	7089	7091	**2.25**	5.00	
59 Co	314314	311035	315773	313629	314573	316560	**0.68**	5.00	
115 In	3622338	3610446	3613728	3636558	3613731	3637226	**0.37**	5.00	
206 Pb	131916	132678	132210	132817	131232	130643	**0.72**	5.00	
207 Pb	117288	118563	117423	116400	116843	117212	**0.69**	5.00	
208 Pb	275472	278940	275051	277051	275800	270515	**1.14**	5.00	
238 U	512009	522989	515625	508177	512129	501125	**1.60**	5.00	



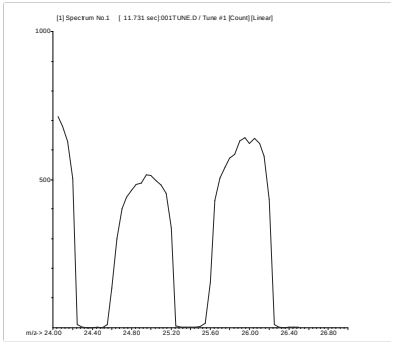
7 Li
Mass Calib.
Actual: 7.00
Range: 6.90 - 7.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



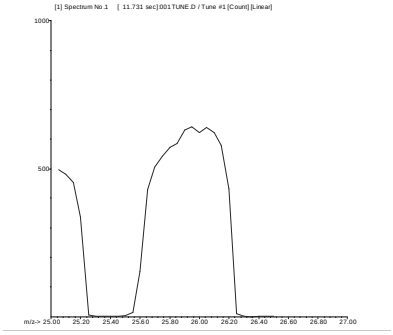
9 Be
Mass Calib.
Actual: 8.95
Range: 8.90 - 9.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



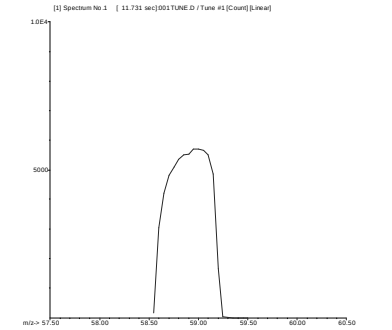
24 Mg
Mass Calib.
Actual: 24.00
Range: 23.90 - 24.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



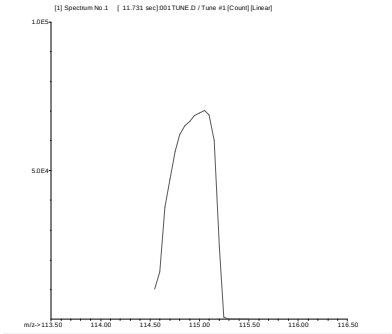
25 Mg
Mass Calib.
Actual: 24.95
Range: 24.90 - 25.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



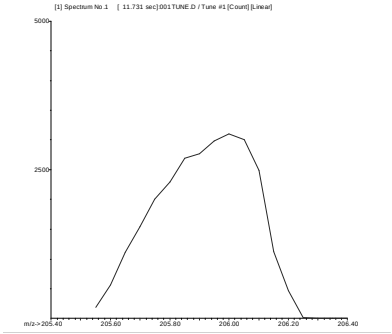
26 Mg
Mass Calib.
Actual: 26.00
Range: 25.90 - 26.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



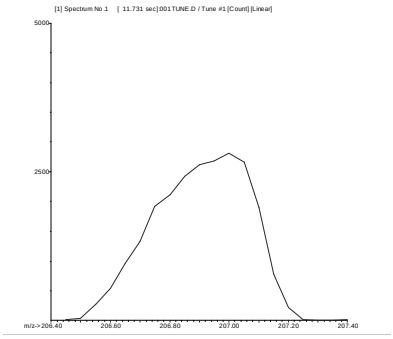
59 Co
Mass Calib.
Actual: 59.00
Range: 58.90 - 59.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



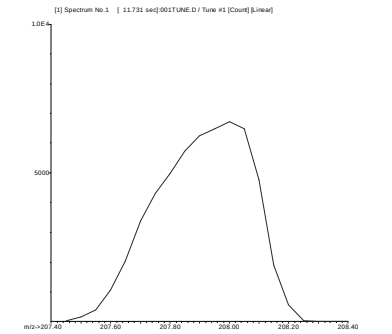
115 In
Mass Calib.
Actual: 115.00
Range: 114.90 - 115.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



206 Pb
Mass Calib.
Actual: 205.95
Range: 205.90 - 206.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



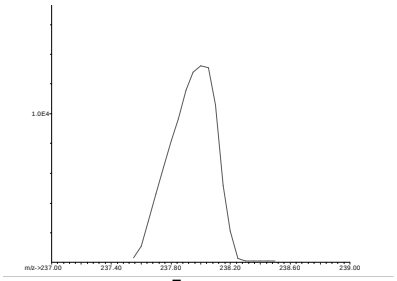
207 Pb
Mass Calib.
Actual: 206.95
Range: 206.90 - 207.10
Flag:
Peak Width
Actual: 0.55
Required:0.90
Flag:



208 Pb
Mass Calib.
Actual: 207.95
Range: 207.90 - 208.10
Flag:
Peak Width
Actual: 0.55
Required:0.90
Flag:



238 U
Mass Calib.



Actual: 238.00
Range: 237.90 - 238.10
Flag:

Peak Width

Actual: 0.55
Required:0.90
Flag:

Tune Result: Pass

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\003CAL
Date Acquired: Apr 2 2012 05:18 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342540
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:16 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	0	0.00
51	V	72	1	-73	191.98
52	Cr	72	1	3287	6.33
55	Mn	72	1	4738	3.18
59	Co	72	1	223	20.19
60	Ni	72	1	147	19.68
63	Cu	72	1	1473	8.10
66	Zn	72	1	489	5.27
75	As	72	1	123	11.10
78	Se	72	1	440	12.03
95	Mo	72	1	277	41.89
107	Ag	115	1	27	94.38
111	Cd	115	1	584	10.96
118	Sn	115	1	450	8.89
121	Sb	115	1	37	41.67
137	Ba	115	1	94	22.69
205	Tl	165	1	183	11.36
208	Pb	165	1	858	14.98
232	Th	165	1	83	36.66
238	U	165	1	131	5.87

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	715866	2.02
45	Sc	1	3345645	0.82
72	Ge	1	2000336	0.82
115	In	1	6311329	0.59
165	Ho	1	12325120	0.60

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\004ICAL.D\004ICAL.D#
Date Acquired: Apr 2 2012 05:21 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342531
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:19 pm
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	98559	2.04
51 V	72	1	2727845	1.57
52 Cr	72	1	3141944	2.14
55 Mn	72	1	2939113	1.37
59 Co	72	1	4508062	0.87
60 Ni	72	1	1117319	1.72
63 Cu	72	1	2663702	0.81
66 Zn	72	1	435602	0.38
75 As	72	1	316060	0.46
78 Se	72	1	50374	1.41
95 Mo	72	1	1319314	2.31
107 Ag	115	1	4060270	0.72
111 Cd	115	1	675824	0.20
118 Sn	115	1	1814599	1.31
121 Sb	115	1	1809053	0.70
137 Ba	115	1	831853	0.16
205 Tl	165	1	7220102	0.42
208 Pb	165	1	9857246	0.94
232 Th	165	1	9559549	0.49
238 U	165	1	10559930	1.02

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	708533	0.97	715866	99.0	30 - 120	
45 Sc	1	3279453	1.64	3345645	98.0	30 - 120	
72 Ge	1	2010636	0.78	2000336	100.5	30 - 120	
115 In	1	6323596	0.20	6311330	100.2	30 - 120	
165 Ho	1	12290190	0.96	12325117	99.7	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Initial Calibration Verification (ICV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\005_ICV.D\005_ICV.D#
Date Acquired: Apr 2 2012 05:24 pm
Operator: TEL
Sample Name: ICV-1342532
Misc Info:
Vial Number: 2103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: ICV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	39.20	ppb	1.57	40	98.0	90 - 110	
51 V	72	1	41.64	ppb	0.35	40	104.1	90 - 110	
52 Cr	72	1	41.22	ppb	0.66	40	103.1	90 - 110	
55 Mn	72	1	41.76	ppb	0.86	40	104.4	90 - 110	
59 Co	72	1	42.10	ppb	1.17	40	105.3	90 - 110	
60 Ni	72	1	39.79	ppb	0.96	40	99.5	90 - 110	
63 Cu	72	1	40.55	ppb	1.11	40	101.4	90 - 110	
66 Zn	72	1	40.29	ppb	0.75	40	100.7	90 - 110	
75 As	72	1	40.45	ppb	0.83	40	101.1	90 - 110	
78 Se	72	1	40.04	ppb	3.62	40	100.1	90 - 110	
95 Mo	72	1	39.62	ppb	0.64	40	99.1	90 - 110	
107 Ag	115	1	41.21	ppb	2.91	40	103.0	90 - 110	
111 Cd	115	1	40.30	ppb	0.73	40	100.8	90 - 110	
118 Sn	115	1	39.63	ppb	0.29	40	99.1	90 - 110	
121 Sb	115	1	39.10	ppb	0.18	40	97.8	90 - 110	
137 Ba	115	1	40.04	ppb	1.09	40	100.1	90 - 110	
205 Tl	165	1	39.80	ppb	1.28	40	99.5	90 - 110	
208 Pb	165	1	40.42	ppb	0.49	40	101.1	90 - 110	
232 Th	165	1	39.85	ppb	1.99	40	99.6	90 - 110	
238 U	165	1	37.71	ppb	0.88	40	94.3	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	715271	1.25	715866	99.9	30 - 120	
45 Sc	1	3305692	0.94	3345645	98.8	30 - 120	
72 Ge	1	1996030	0.09	2000336	99.8	30 - 120	
115 In	1	6285453	1.15	6311330	99.6	30 - 120	
165 Ho	1	12438526	0.67	12325117	100.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\006WASH.D\006WASH.D#
Date Acquired: Apr 2 2012 05:27 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.917 ppb	13.50	1.30	
51 V	72	1	5.402 ppb	0.65	6.50	
52 Cr	72	1	2.121 ppb	1.81	2.60	
55 Mn	72	1	1.073 ppb	0.95	1.30	
59 Co	72	1	1.071 ppb	1.82	1.30	
60 Ni	72	1	2.018 ppb	1.65	2.60	
63 Cu	72	1	2.186 ppb	0.89	2.60	
66 Zn	72	1	10.810 ppb	0.96	13.00	
75 As	72	1	5.154 ppb	1.13	6.50	
78 Se	72	1	4.632 ppb	2.85	6.50	
95 Mo	72	1	2.060 ppb	1.11	2.60	
107 Ag	115	1	5.203 ppb	1.25	6.50	
111 Cd	115	1	1.107 ppb	3.40	1.30	
118 Sn	115	1	10.130 ppb	0.80	13.00	
121 Sb	115	1	2.238 ppb	1.86	2.60	
137 Ba	115	1	1.079 ppb	2.64	1.30	
205 Tl	165	1	1.118 ppb	1.78	1.30	
208 Pb	165	1	1.062 ppb	0.32	1.30	
232 Th	165	1	2.116 ppb	1.79	2.60	
238 U	165	1	1.033 ppb	1.24	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	707948	0.73	715866	98.9	30 - 120	
45 Sc	1	3275611	0.32	3345645	97.9	30 - 120	
72 Ge	1	1987545	0.62	2000336	99.4	30 - 120	
115 In	1	6279801	1.52	6311330	99.5	30 - 120	
165 Ho	1	12287519	1.08	12325117	99.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Initial Calibration Blank (ICB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\007_ICB.D\007_ICB.D#
Date Acquired: Apr 2 2012 05:30 pm
Operator: TEL
Sample Name: ICB-1342540
Misc Info:
Vial Number: 2104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: ICB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.02	ppb	124.32	1.00	
51 V	72	1	0.01	ppb	106.02	1.00	
52 Cr	72	1	0.01	ppb	66.83	1.00	
55 Mn	72	1	-0.02	ppb	273.81	1.00	
59 Co	72	1	0.00	ppb	14.08	1.00	
60 Ni	72	1	0.02	ppb	27.02	1.00	
63 Cu	72	1	0.02	ppb	8.53	1.00	
66 Zn	72	1	0.10	ppb	2.84	1.00	
75 As	72	1	0.01	ppb	37.97	1.00	
78 Se	72	1	0.08	ppb	188.61	1.00	
95 Mo	72	1	0.03	ppb	20.75	1.00	
107 Ag	115	1	0.01	ppb	13.04	1.00	
111 Cd	115	1	0.01	ppb	33.88	1.00	
118 Sn	115	1	0.04	ppb	16.43	1.00	
121 Sb	115	1	0.08	ppb	5.27	1.00	
137 Ba	115	1	0.00	ppb	47.85	1.00	
205 Tl	165	1	0.02	ppb	12.53	1.00	
208 Pb	165	1	0.01	ppb	11.02	1.00	
232 Th	165	1	0.02	ppb	8.12	1.00	
238 U	165	1	0.01	ppb	1.36	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	709314	0.81	715866	99.1	30 - 120	
45 Sc	1	3319847	0.35	3345645	99.2	30 - 120	
72 Ge	1	1999679	0.40	2000336	100.0	30 - 120	
115 In	1	6313025	1.07	6311330	100.0	30 - 120	
165 Ho	1	12415482	1.36	12325117	100.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

RL STD QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\008RLST.D\008RLST.D#
Date Acquired: Apr 2 2012 05:33 pm
Operator: TEL
Sample Name: CRI-1342533
Misc Info:
Vial Number: 2105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: RLSTD
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	0.93	ppb	13.90	1	92.9	80 - 120	
51 V	72	1	1.04	ppb	1.53	1	104.0	80 - 120	
52 Cr	72	1	1.03	ppb	2.02	1	102.8	80 - 120	
55 Mn	72	1	0.90	ppb	1.94	1	90.1	80 - 120	
59 Co	72	1	1.03	ppb	3.46	1	102.6	80 - 120	
60 Ni	72	1	0.99	ppb	1.00	1	98.6	80 - 120	
63 Cu	72	1	1.03	ppb	0.39	1	103.2	80 - 120	
66 Zn	72	1	10.11	ppb	0.73	10	101.1	80 - 120	
75 As	72	1	1.00	ppb	0.91	1	100.1	80 - 120	
78 Se	72	1	0.82	ppb	31.15	1	82.1	80 - 120	
95 Mo	72	1	1.00	ppb	3.00	1	99.7	80 - 120	
107 Ag	115	1	1.05	ppb	1.77	1	105.0	80 - 120	
111 Cd	115	1	1.01	ppb	3.16	1	101.2	80 - 120	
118 Sn	115	1	9.97	ppb	1.25	10	99.7	80 - 120	
121 Sb	115	1	1.05	ppb	2.29	1	104.6	80 - 120	
137 Ba	115	1	1.02	ppb	1.02	1	102.2	80 - 120	
205 Tl	165	1	1.03	ppb	2.11	1	102.5	80 - 120	
208 Pb	165	1	1.01	ppb	1.93	1	100.7	80 - 120	
232 Th	165	1	1.00	ppb	0.76	1	100.2	80 - 120	
238 U	165	1	1.01	ppb	1.21	1	100.9	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	715551	2.22	715866	100.0	30 - 120	
45 Sc	1	3282114	0.72	3345645	98.1	30 - 120	
72 Ge	1	1980533	0.97	2000336	99.0	30 - 120	
115 In	1	6244284	0.52	6311330	98.9	30 - 120	
165 Ho	1	12348405	1.87	12325117	100.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

AFCEE RL QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\009AFCE.D\009AFCE.D#
Date Acquired: Apr 2 2012 05:36 pm
Operator: TEL
Sample Name: AFCEE RL-1342534
Misc Info:
Vial Number: 2106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: AFCEERL
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	0.21	ppb	15.80	0	115.4	80 - 120	
51 V	72	1	0.20	ppb	7.33	0	97.5	80 - 120	
52 Cr	72	1	0.35	ppb	2.27	0	168.3	80 - 120	
55 Mn	72	1	0.12	ppb	11.70	0	66.8	80 - 120	
59 Co	72	1	0.20	ppb	2.05	0	98.7	80 - 120	
60 Ni	72	1	0.21	ppb	3.66	0	106.1	80 - 120	
63 Cu	72	1	0.21	ppb	9.01	0	101.2	80 - 120	
66 Zn	72	1	2.03	ppb	0.89	2	100.3	80 - 120	
75 As	72	1	0.20	ppb	7.80	0	99.0	80 - 120	
78 Se	72	1	0.28	ppb	69.79	0	172.6	80 - 120	
95 Mo	72	1	0.21	ppb	7.66	0	103.2	80 - 120	
107 Ag	115	1	0.20	ppb	2.02	0	95.5	80 - 120	
111 Cd	115	1	0.15	ppb	5.64	0	71.6	80 - 120	
118 Sn	115	1	1.99	ppb	1.14	2	99.9	80 - 120	
121 Sb	115	1	0.22	ppb	3.05	0	106.7	80 - 120	
137 Ba	115	1	0.23	ppb	4.42	0	112.0	80 - 120	
205 Tl	165	1	0.21	ppb	0.50	0	101.2	80 - 120	
208 Pb	165	1	0.21	ppb	1.81	0	103.7	80 - 120	
232 Th	165	1	0.21	ppb	1.80	0	102.9	80 - 120	
238 U	165	1	0.20	ppb	1.47	0	98.8	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	715470	3.03	715866	99.9	30 - 120	
45 Sc	1	3278819	1.22	3345645	98.0	30 - 120	
72 Ge	1	1977127	1.15	2000336	98.8	30 - 120	
115 In	1	6299738	1.40	6311330	99.8	30 - 120	
165 Ho	1	12257187	0.47	12325117	99.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Interference Check Solution A (ICS-A) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\010ICSA.D\010ICSA.D#
Date Acquired: Apr 2 2012 05:39 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: ICSA-1342536
Misc Info:
Vial Number: 2108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: ICSA
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element		IS Ref	Tune	Conc.	RSD(%)	High Limit ppb	Flag
9	Be	6	1	0.00 ppb	173.19	1.00	
51	V	72	1	0.00 ppb	2406.80	1.00	
52	Cr	72	1	1.22 ppb	2.46	1.00	
55	Mn	72	1	0.32 ppb	3.44	1.00	
59	Co	72	1	0.05 ppb	7.04	1.00	
60	Ni	72	1	0.83 ppb	1.31	1.00	
63	Cu	72	1	0.35 ppb	6.31	1.00	
66	Zn	72	1	2.49 ppb	1.93	10.00	
75	As	72	1	0.53 ppb	3.02	1.00	
78	Se	72	1	0.00 ppb	52426.00	1.00	
95	Mo	72	1	2039.00 ppb	0.77	2000.00	
107	Ag	115	1	0.06 ppb	5.94	1.00	
111	Cd	115	1	0.63 ppb	12.39	1.00	
118	Sn	115	1	0.13 ppb	7.59	10.00	
121	Sb	115	1	0.30 ppb	2.49	1.00	
137	Ba	115	1	0.17 ppb	2.32	1.00	
205	Tl	165	1	0.04 ppb	26.39	1.00	
208	Pb	165	1	0.14 ppb	3.58	1.00	
232	Th	165	1	0.03 ppb	10.65	1.00	
238	U	165	1	0.00 ppb	36.24	1.00	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	615318	1.33	715866	86.0	30 - 120	
45	Sc	1	2587395	0.49	3345645	77.3	30 - 120	
72	Ge	1	1560885	1.06	2000336	78.0	30 - 120	
115	In	1	4986656	1.52	6311330	79.0	30 - 120	
165	Ho	1	10458647	0.34	12325117	84.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Nnumber of ISTD Failures Allowed

Interference Check Solution AB (ICS-AB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\011ICSB.D\011ICSB.D#
Date Acquired: Apr 2 2012 05:42 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: ICSAB-1342537
Misc Info:
Vial Number: 2109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: ICSAB
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	%Recovery	QC Range(%)	Flag
9 Be	6	1	99.23	0.30	100	99.2	80 - 120	
51 V	72	1	107.00	1.20	100	107.0	80 - 120	
52 Cr	72	1	103.50	0.26	100	103.5	80 - 120	
55 Mn	72	1	100.10	1.85	100	100.1	80 - 120	
59 Co	72	1	99.67	1.18	100	99.7	80 - 120	
60 Ni	72	1	93.36	0.96	100	93.4	80 - 120	
63 Cu	72	1	91.82	0.89	100	91.8	80 - 120	
66 Zn	72	1	100.30	0.24	100	100.3	80 - 120	
75 As	72	1	105.70	0.39	100	105.7	80 - 120	
78 Se	72	1	108.80	0.30	100	108.8	80 - 120	
95 Mo	72	1	2224.00	0.79	2100	105.9	80 - 120	
107 Ag	115	1	89.98	0.79	100	90.0	80 - 120	
111 Cd	115	1	99.02	0.45	100	99.0	80 - 120	
118 Sn	115	1	103.70	1.47	100	103.7	80 - 120	
121 Sb	115	1	105.10	1.41	100	105.1	80 - 120	
137 Ba	115	1	106.40	0.39	100	106.4	80 - 120	
205 Tl	165	1	97.10	1.03	100	97.1	80 - 120	
208 Pb	165	1	96.95	0.80	100	97.0	80 - 120	
232 Th	165	1	109.20	0.21	100	109.2	80 - 120	
238 U	165	1	107.10	0.36	100	107.1	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	638152	0.47	715866	89.1	30 - 120	
45 Sc	1	2588895	1.30	3345645	77.4	30 - 120	
72 Ge	1	1554412	0.54	2000336	77.7	30 - 120	
115 In	1	5073616	0.70	6311330	80.4	30 - 120	
165 Ho	1	10721636	0.91	12325117	87.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\012WASH.D\012WASH.D#
Date Acquired: Apr 2 2012 05:45 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.007 ppb	86.63	1.30	
51 V	72	1	0.001 ppb	1481.20	6.50	
52 Cr	72	1	0.004 ppb	244.08	2.60	
55 Mn	72	1	-0.107 ppb	4.06	1.30	
59 Co	72	1	0.010 ppb	22.20	1.30	
60 Ni	72	1	0.015 ppb	65.73	2.60	
63 Cu	72	1	0.023 ppb	28.69	2.60	
66 Zn	72	1	0.040 ppb	25.63	13.00	
75 As	72	1	0.014 ppb	32.01	6.50	
78 Se	72	1	0.074 ppb	343.30	6.50	
95 Mo	72	1	0.544 ppb	15.88	2.60	
107 Ag	115	1	0.019 ppb	2.94	6.50	
111 Cd	115	1	0.005 ppb	83.65	1.30	
118 Sn	115	1	0.033 ppb	15.56	13.00	
121 Sb	115	1	0.067 ppb	2.93	2.60	
137 Ba	115	1	0.011 ppb	20.78	1.30	
205 Tl	165	1	0.025 ppb	9.49	1.30	
208 Pb	165	1	0.013 ppb	9.89	1.30	
232 Th	165	1	0.039 ppb	16.42	2.60	
238 U	165	1	0.014 ppb	10.73	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	718484	1.99	715866	100.4	30 - 120	
45 Sc	1	3122582	0.27	3345645	93.3	30 - 120	
72 Ge	1	1941791	1.33	2000336	97.1	30 - 120	
115 In	1	6239053	0.47	6311330	98.9	30 - 120	
165 Ho	1	12366239	1.04	12325117	100.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Linear Dynamic Range Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\013_LR.D\013_LR.D#
Date Acquired: Apr 2 2012 05:48 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: LRA-1342538
Misc Info:
Vial Number: 2110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: LR
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc.	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	992.80 ppb	2.25	1000	99.3	90 - 110	
51 V	72	1	977.40 ppb	2.06	1000	97.7	90 - 110	
52 Cr	72	1	988.90 ppb	1.84	1000	98.9	90 - 110	
55 Mn	72	1	974.10 ppb	1.81	1000	97.4	90 - 110	
59 Co	72	1	996.60 ppb	0.59	1000	99.7	90 - 110	
60 Ni	72	1	966.20 ppb	1.48	1000	96.6	90 - 110	
63 Cu	72	1	971.50 ppb	0.44	1000	97.2	90 - 110	
66 Zn	72	1	991.20 ppb	0.41	1000	99.1	90 - 110	
75 As	72	1	1011.00 ppb	1.49	1000	101.1	90 - 110	
78 Se	72	1	1008.00 ppb	0.99	1000	100.8	90 - 110	
95 Mo	72	1	984.10 ppb	0.47	1000	98.4	90 - 110	
107 Ag	115	1	1001.00 ppb	0.12	1000	100.1	90 - 110	
111 Cd	115	1	985.00 ppb	0.39	1000	98.5	90 - 110	
118 Sn	115	1	975.60 ppb	0.33	1000	97.6	90 - 110	
121 Sb	115	1	975.00 ppb	0.32	1000	97.5	90 - 110	
137 Ba	115	1	1006.00 ppb	1.02	1000	100.6	90 - 110	
205 Tl	165	1	983.60 ppb	0.68	1000	98.4	90 - 110	
208 Pb	165	1	972.00 ppb	0.41	1000	97.2	90 - 110	
232 Th	165	1	994.10 ppb	0.56	1000	99.4	90 - 110	
238 U	165	1	968.40 ppb	0.97	1000	96.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	693562	2.72	715866	96.9	30 - 120	
45 Sc	1	3100258	1.82	3345645	92.7	30 - 120	
72 Ge	1	1907007	1.16	2000336	95.3	30 - 120	
115 In	1	6115025	0.54	6311330	96.9	30 - 120	
165 Ho	1	12291422	0.15	12325117	99.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\014WASH.D\014WASH.D#
Date Acquired: Apr 2 2012 05:50 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.105 ppb	7.12	1.30	
51 V	72	1	0.105 ppb	9.60	6.50	
52 Cr	72	1	0.094 ppb	11.64	2.60	
55 Mn	72	1	-0.020 ppb	92.24	1.30	
59 Co	72	1	0.120 ppb	5.06	1.30	
60 Ni	72	1	0.106 ppb	15.20	2.60	
63 Cu	72	1	0.118 ppb	5.89	2.60	
66 Zn	72	1	0.145 ppb	9.27	13.00	
75 As	72	1	0.128 ppb	10.75	6.50	
78 Se	72	1	0.476 ppb	24.36	6.50	
95 Mo	72	1	0.270 ppb	10.78	2.60	
107 Ag	115	1	0.202 ppb	4.99	6.50	
111 Cd	115	1	0.112 ppb	14.34	1.30	
118 Sn	115	1	0.424 ppb	7.11	13.00	
121 Sb	115	1	0.667 ppb	5.36	2.60	
137 Ba	115	1	0.116 ppb	14.56	1.30	
205 Tl	165	1	0.280 ppb	13.36	1.30	
208 Pb	165	1	0.126 ppb	9.05	1.30	
232 Th	165	1	0.273 ppb	16.48	2.60	
238 U	165	1	0.121 ppb	13.22	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	706505	1.49	715866	98.7	30 - 120	
45 Sc	1	3229941	0.34	3345645	96.5	30 - 120	
72 Ge	1	1970607	0.62	2000336	98.5	30 - 120	
115 In	1	6246000	0.98	6311330	99.0	30 - 120	
165 Ho	1	12326524	0.54	12325117	100.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\015_CCV.D\015_CCV.D#
Date Acquired: Apr 2 2012 05:53 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.35	ppb	1.94	50	100.7	90 - 110	
51 V	72	1	52.80	ppb	0.68	50	105.6	90 - 110	
52 Cr	72	1	52.88	ppb	0.40	50	105.8	90 - 110	
55 Mn	72	1	52.29	ppb	3.11	50	104.6	90 - 110	
59 Co	72	1	51.32	ppb	1.24	50	102.6	90 - 110	
60 Ni	72	1	49.96	ppb	1.17	50	99.9	90 - 110	
63 Cu	72	1	51.80	ppb	0.96	50	103.6	90 - 110	
66 Zn	72	1	51.31	ppb	1.35	50	102.6	90 - 110	
75 As	72	1	51.20	ppb	1.27	50	102.4	90 - 110	
78 Se	72	1	50.72	ppb	1.27	50	101.4	90 - 110	
95 Mo	72	1	50.86	ppb	1.22	50	101.7	90 - 110	
107 Ag	115	1	51.61	ppb	2.26	50	103.2	90 - 110	
111 Cd	115	1	50.81	ppb	0.99	50	101.6	90 - 110	
118 Sn	115	1	50.80	ppb	0.99	50	101.6	90 - 110	
121 Sb	115	1	51.35	ppb	1.44	50	102.7	90 - 110	
137 Ba	115	1	51.19	ppb	0.48	50	102.4	90 - 110	
205 Tl	165	1	50.41	ppb	0.81	50	100.8	90 - 110	
208 Pb	165	1	50.53	ppb	0.60	50	101.1	90 - 110	
232 Th	165	1	49.72	ppb	2.23	50	99.4	90 - 110	
238 U	165	1	48.77	ppb	1.42	50	97.5	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	709459	0.48	715866	99.1	30 - 120	
45 Sc	1	3292647	0.68	3345645	98.4	30 - 120	
72 Ge	1	1982617	0.88	2000336	99.1	30 - 120	
115 In	1	6315764	1.31	6311330	100.1	30 - 120	
165 Ho	1	12480655	0.23	12325117	101.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\016_CCB.D\016_CCB.D#
Date Acquired: Apr 2 2012 05:56 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.063	ppb	37.15	1.00	
51 V	72	1	0.018	ppb	28.10	1.00	
52 Cr	72	1	0.031	ppb	22.15	1.00	
55 Mn	72	1	-0.093	ppb	10.71	1.00	
59 Co	72	1	0.031	ppb	16.01	1.00	
60 Ni	72	1	0.027	ppb	12.03	1.00	
63 Cu	72	1	0.028	ppb	10.74	1.00	
66 Zn	72	1	0.070	ppb	22.80	1.00	
75 As	72	1	0.042	ppb	12.04	1.00	
78 Se	72	1	0.067	ppb	227.38	1.00	
95 Mo	72	1	0.062	ppb	4.43	1.00	
107 Ag	115	1	0.031	ppb	6.68	1.00	
111 Cd	115	1	0.028	ppb	22.49	1.00	
118 Sn	115	1	0.114	ppb	14.36	1.00	
121 Sb	115	1	0.168	ppb	3.77	1.00	
137 Ba	115	1	0.024	ppb	12.35	1.00	
205 Tl	165	1	0.054	ppb	12.81	1.00	
208 Pb	165	1	0.032	ppb	2.32	1.00	
232 Th	165	1	0.086	ppb	10.37	1.00	
238 U	165	1	0.032	ppb	4.86	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	714542	2.65	715866	99.8	30 - 120	
45 Sc	1	3307467	1.41	3345645	98.9	30 - 120	
72 Ge	1	2015069	1.55	2000336	100.7	30 - 120	
115 In	1	6345405	0.59	6311330	100.5	30 - 120	
165 Ho	1	12349472	0.66	12325117	100.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\017WASH.D\017WASH.D#
Date Acquired: Apr 2 2012 05:59 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.034 ppb	3.56	1.30	
51 V	72	1	5.480 ppb	1.46	6.50	
52 Cr	72	1	2.149 ppb	1.50	2.60	
55 Mn	72	1	1.060 ppb	0.49	1.30	
59 Co	72	1	1.070 ppb	0.31	1.30	
60 Ni	72	1	2.041 ppb	3.07	2.60	
63 Cu	72	1	2.192 ppb	1.70	2.60	
66 Zn	72	1	10.820 ppb	0.35	13.00	
75 As	72	1	5.141 ppb	0.15	6.50	
78 Se	72	1	5.070 ppb	3.06	6.50	
95 Mo	72	1	2.124 ppb	2.72	2.60	
107 Ag	115	1	5.199 ppb	0.81	6.50	
111 Cd	115	1	1.071 ppb	1.80	1.30	
118 Sn	115	1	10.170 ppb	0.49	13.00	
121 Sb	115	1	2.124 ppb	0.91	2.60	
137 Ba	115	1	1.079 ppb	1.94	1.30	
205 Tl	165	1	1.075 ppb	0.78	1.30	
208 Pb	165	1	1.048 ppb	1.25	1.30	
232 Th	165	1	2.068 ppb	2.49	2.60	
238 U	165	1	1.015 ppb	0.84	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	721197	4.60	715866	100.7	30 - 120	
45 Sc	1	3377514	0.27	3345645	101.0	30 - 120	
72 Ge	1	2015002	0.39	2000336	100.7	30 - 120	
115 In	1	6408096	0.26	6311330	101.5	30 - 120	
165 Ho	1	12539155	0.25	12325117	101.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\018_BLK.D\018_BLK.D#
Date Acquired: Apr 2 2012 06:02 pm
Operator: TEL
Sample Name: mb 280-113764/1-a
Misc Info: BLANK 113764 Soil/DoD4/6020A
Vial Number: 2201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.017 ppb	34.11	2.00	
51 V	72	1	0.012 ppb	114.90	2.00	
52 Cr	72	1	0.045 ppb	26.76	2.00	
55 Mn	72	1	-0.054 ppb	19.39	2.00	
59 Co	72	1	0.012 ppb	17.05	2.00	
60 Ni	72	1	0.240 ppb	5.54	2.00	
63 Cu	72	1	0.124 ppb	4.84	2.00	
66 Zn	72	1	0.297 ppb	4.66	2.00	
75 As	72	1	0.018 ppb	24.67	2.00	
78 Se	72	1	0.104 ppb	65.39	2.00	
95 Mo	72	1	0.031 ppb	27.57	2.00	
107 Ag	115	1	0.011 ppb	12.11	2.00	
111 Cd	115	1	0.034 ppb	19.79	2.00	
118 Sn	115	1	0.088 ppb	11.79	2.00	
121 Sb	115	1	0.064 ppb	4.83	2.00	
137 Ba	115	1	0.334 ppb	1.10	2.00	
205 Tl	165	1	0.023 ppb	6.34	2.00	
208 Pb	165	1	0.028 ppb	3.63	2.00	
232 Th	165	1	0.034 ppb	12.03	2.00	
238 U	165	1	0.017 ppb	12.16	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	707651	1.21	715866	98.9	30 - 120	
45 Sc	1	3376187	1.07	3345645	100.9	30 - 120	
72 Ge	1	2047588	0.74	2000336	102.4	30 - 120	
115 In	1	6438631	1.28	6311330	102.0	30 - 120	
165 Ho	1	12524706	0.75	12325117	101.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\019_LCS.D\019_LCS.D#
Date Acquired: Apr 2 2012 06:05 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113764/2-a
Misc Info: LCS
Vial Number: 2202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	38.89	1.56	40	97.2	80 - 120	
51 V	72	1	42.21	0.78	40	105.5	80 - 120	
52 Cr	72	1	41.68	1.53	40	104.2	80 - 120	
55 Mn	72	1	41.24	1.71	40	103.1	80 - 120	
59 Co	72	1	41.32	2.18	40	103.3	80 - 120	
60 Ni	72	1	39.93	0.82	40	99.8	80 - 120	
63 Cu	72	1	41.45	0.69	40	103.6	80 - 120	
66 Zn	72	1	39.41	1.63	40	98.5	80 - 120	
75 As	72	1	39.37	1.04	40	98.4	80 - 120	
78 Se	72	1	39.61	4.33	40	99.0	80 - 120	
95 Mo	72	1	39.91	1.73	40	99.8	80 - 120	
107 Ag	115	1	40.05	0.59	40	100.1	80 - 120	
111 Cd	115	1	38.73	0.42	40	96.8	80 - 120	
118 Sn	115	1	39.60	1.88	40	99.0	80 - 120	
121 Sb	115	1	39.01	0.77	40	97.5	80 - 120	
137 Ba	115	1	40.23	0.45	40	100.6	80 - 120	
205 Tl	165	1	39.96	2.46	40	99.9	80 - 120	
208 Pb	165	1	39.95	1.92	40	99.9	80 - 120	
232 Th	165	1	39.06	2.16	40	97.7	80 - 120	
238 U	165	1	39.08	1.92	40	97.7	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	727562	1.64	715866	101.6	30 - 120	
45 Sc	1	3404912	1.88	3345645	101.8	30 - 120	
72 Ge	1	2039371	1.39	2000336	102.0	30 - 120	
115 In	1	6498638	0.29	6311330	103.0	30 - 120	
165 Ho	1	12593999	1.43	12325117	102.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\020AREF.D\020AREF.D#
Date Acquired: Apr 2 2012 06:07 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-2-a
Misc Info:
Vial Number: 2203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.76	0.76	ppb	21.88	3600	
51 V	72	1	27.49	27.49	ppb	0.60	3600	
52 Cr	72	1	17.51	17.51	ppb	0.91	3600	
55 Mn	72	1	3,103.00	3103.00	ppb	1.51	18000	
59 Co	72	1	19.75	19.75	ppb	0.57	3600	
60 Ni	72	1	10.19	10.19	ppb	1.70	3600	
63 Cu	72	1	15.03	15.03	ppb	1.12	3600	
66 Zn	72	1	60.47	60.47	ppb	0.89	3600	
75 As	72	1	13.97	13.97	ppb	1.40	3600	
78 Se	72	1	2.05	2.05	ppb	11.24	3600	
95 Mo	72	1	1.79	1.79	ppb	2.11	3600	
107 Ag	115	1	0.09	0.09	ppb	3.36	3600	
111 Cd	115	1	0.34	0.34	ppb	11.54	3600	
118 Sn	115	1	2.24	2.24	ppb	1.47	3600	
121 Sb	115	1	0.12	0.12	ppb	2.17	3600	
137 Ba	115	1	236.70	236.70	ppb	0.78	3600	
205 Tl	165	1	0.47	0.47	ppb	8.28	3600	
208 Pb	165	1	95.11	95.11	ppb	0.54	3600	
232 Th	165	1	4.58	4.58	ppb	0.80	1000	
238 U	165	1	0.86	0.86	ppb	0.76	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	737963	0.48	715866	103.1	30 - 120	
45 Sc	1	3501435	0.54	3345645	104.7	30 - 120	
72 Ge	1	2056435	0.57	2000336	102.8	30 - 120	
115 In	1	6381196	0.29	6311330	101.1	30 - 120	
165 Ho	1	12657580	0.23	12325117	102.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\021SDIL.D\021SDIL.D#
Date Acquired: Apr 2 2012 06:10 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-2-a SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\020AREF.D\020AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.18	ppb	12.12	0.15	116.3	90 - 110	
51 V	72	1	5.36	ppb	1.91	5.50	97.4	90 - 110	
52 Cr	72	1	3.48	ppb	1.37	3.50	99.4	90 - 110	
55 Mn	72	1	615.90	ppb	1.91	620.60	99.2	90 - 110	
59 Co	72	1	3.83	ppb	0.96	3.95	96.9	90 - 110	
60 Ni	72	1	1.99	ppb	2.00	2.04	97.5	90 - 110	
63 Cu	72	1	3.05	ppb	1.57	3.01	101.6	90 - 110	
66 Zn	72	1	12.23	ppb	1.55	12.09	101.1	90 - 110	
75 As	72	1	2.77	ppb	2.10	2.79	99.2	90 - 110	
78 Se	72	1	0.51	ppb	20.79	0.41	124.9	90 - 110	
95 Mo	72	1	0.37	ppb	4.17	0.36	104.1	90 - 110	
107 Ag	115	1	0.02	ppb	19.42	0.02	111.4	90 - 110	
111 Cd	115	1	0.08	ppb	3.58	0.07	110.5	90 - 110	
118 Sn	115	1	0.49	ppb	7.60	0.45	109.5	90 - 110	
121 Sb	115	1	0.04	ppb	1.46	0.02	175.7	90 - 110	
137 Ba	115	1	45.47	ppb	1.10	47.34	96.0	90 - 110	
205 Tl	165	1	0.09	ppb	1.80	0.09	93.5	90 - 110	
208 Pb	165	1	19.48	ppb	0.16	19.02	102.4	90 - 110	
232 Th	165	1	0.90	ppb	0.49	0.92	98.8	90 - 110	
238 U	165	1	0.17	ppb	0.79	0.17	100.1	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	736264	1.90	715866	102.8	30 - 120	
45 Sc	1	3450968	1.31	3345645	103.1	30 - 120	
72 Ge	1	2084332	0.74	2000336	104.2	30 - 120	
115 In	1	6544683	0.61	6311330	103.7	30 - 120	
165 Ho	1	12768172	0.58	12325117	103.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\022PDS.D\022PDS.D#
Date Acquired: Apr 2 2012 06:13 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-2-a PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	191.90	0.76	ppb	1.12	200	95.6	75 - 125	
51 V	72	1	214.80	27.49	ppb	1.35	200	94.4	75 - 125	
52 Cr	72	1	207.40	17.51	ppb	1.90	200	95.4	75 - 125	
55 Mn	72	1	3150.00	3103.00	ppb	1.56	200	95.4	75 - 125	
59 Co	72	1	209.50	19.75	ppb	1.95	200	95.3	75 - 125	
60 Ni	72	1	199.80	10.19	ppb	1.56	200	95.1	75 - 125	
63 Cu	72	1	201.60	15.03	ppb	2.33	200	93.8	75 - 125	
66 Zn	72	1	253.40	60.47	ppb	1.27	200	97.3	75 - 125	
75 As	72	1	206.90	13.97	ppb	1.08	200	96.7	75 - 125	
78 Se	72	1	188.70	2.05	ppb	1.54	200	93.4	75 - 125	
95 Mo	72	1	192.70	1.79	ppb	1.26	200	95.5	75 - 125	
107 Ag	115	1	48.65	0.09	ppb	1.79	50	97.1	75 - 125	
111 Cd	115	1	195.00	0.34	ppb	2.99	200	97.3	75 - 125	
118 Sn	115	1	191.20	2.24	ppb	1.47	200	94.5	75 - 125	
121 Sb	115	1	189.10	0.12	ppb	1.08	200	94.5	75 - 125	
137 Ba	115	1	414.60	236.70	ppb	1.39	200	94.9	75 - 125	
205 Tl	165	1	186.70	0.47	ppb	0.77	200	93.1	75 - 125	
208 Pb	165	1	270.70	95.11	ppb	0.91	200	91.7	75 - 125	
232 Th	165	1	4.30	4.58	ppb	1.57	200	2.1	75 - 125	
238 U	165	1	179.40	0.86	ppb	2.17	200	89.3	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	730061	1.35	715866	102.0	30 - 120	
45 Sc	1	3387163	0.36	3345645	101.2	30 - 120	
72 Ge	1	2002151	0.83	2000336	100.1	30 - 120	
115 In	1	6265401	1.30	6311330	99.3	30 - 120	
165 Ho	1	12522409	1.35	12325117	101.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\023_MS.D\023_MS.D#
Date Acquired: Apr 2 2012 06:16 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-2-b ms
Misc Info: MATRIX SPIKE
Vial Number: 2206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	39.33	0.76	ppb	1.21	40	96.5	50 - 150	
51 V	72	1	63.70	27.49	ppb	3.19	40	94.4	50 - 150	
52 Cr	72	1	55.12	17.51	ppb	1.70	40	95.8	50 - 150	
55 Mn	72	1	2814.00	3103.00	ppb	1.31	40	89.5	50 - 150	
59 Co	72	1	57.04	19.75	ppb	1.09	40	95.5	50 - 150	
60 Ni	72	1	50.12	10.19	ppb	1.33	40	99.9	50 - 150	
63 Cu	72	1	56.13	15.03	ppb	2.46	40	102.0	50 - 150	
66 Zn	72	1	97.71	60.47	ppb	1.39	40	97.3	50 - 150	
75 As	72	1	49.57	13.97	ppb	1.06	40	91.8	50 - 150	
78 Se	72	1	33.29	2.05	ppb	2.68	40	79.2	50 - 150	
95 Mo	72	1	35.88	1.79	ppb	1.27	40	85.9	50 - 150	
107 Ag	115	1	38.92	0.09	ppb	0.93	40	97.1	50 - 150	
111 Cd	115	1	38.26	0.34	ppb	0.46	40	94.8	50 - 150	
118 Sn	115	1	80.87	2.24	ppb	1.34	40	191.5	50 - 150	
121 Sb	115	1	3.77	0.12	ppb	0.77	40	9.4	50 - 150	
137 Ba	115	1	242.70	236.70	ppb	0.97	40	87.7	50 - 150	
205 Tl	165	1	37.71	0.47	ppb	1.61	40	93.2	50 - 150	
208 Pb	165	1	205.00	95.11	ppb	1.86	40	151.7	50 - 150	
232 Th	165	1	40.48	4.58	ppb	3.25	40	90.8	50 - 150	
238 U	165	1	37.10	0.86	ppb	1.97	40	90.8	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	703119	1.96	715866	98.2	30 - 120	
45 Sc	1	3389878	1.05	3345645	101.3	30 - 120	
72 Ge	1	2023843	1.11	2000336	101.2	30 - 120	
115 In	1	6182185	0.46	6311330	98.0	30 - 120	
165 Ho	1	12239970	1.21	12325117	99.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\024_MSD.D\024_MSD.D#
Date Acquired: Apr 2 2012 06:19 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-2-c msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\023_MS.D\023_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	39.04	ppb	2.24	39.33	0.74	20	
51 V	72	1	77.94	ppb	1.77	63.70	20.11	20	
52 Cr	72	1	59.21	ppb	0.82	55.12	7.15	20	
55 Mn	72	1	3582.00	ppb	1.06	2814.00	24.02	20	
59 Co	72	1	60.01	ppb	0.78	57.04	5.07	20	
60 Ni	72	1	48.70	ppb	1.46	50.12	2.87	20	
63 Cu	72	1	53.70	ppb	2.20	56.13	4.43	20	
66 Zn	72	1	104.90	ppb	1.47	97.71	7.10	20	
75 As	72	1	58.78	ppb	0.92	49.57	17.00	20	
78 Se	72	1	37.53	ppb	2.46	33.29	11.97	20	
95 Mo	72	1	35.88	ppb	0.95	35.88	0.00	20	
107 Ag	115	1	38.47	ppb	1.41	38.92	1.16	20	
111 Cd	115	1	38.32	ppb	0.35	38.26	0.16	20	
118 Sn	115	1	19.98	ppb	1.22	80.87	120.75	20	
121 Sb	115	1	3.06	ppb	1.22	3.77	20.64	20	
137 Ba	115	1	270.40	ppb	1.25	242.70	10.80	20	
205 Tl	165	1	37.25	ppb	0.44	37.71	1.23	20	
208 Pb	165	1	245.40	ppb	0.25	205.00	17.94	20	
232 Th	165	1	42.75	ppb	0.95	40.48	5.45	20	
238 U	165	1	37.67	ppb	1.00	37.10	1.52	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	710240	1.50	715866	99.2	30 - 120	
45 Sc	1	3331759	0.56	3345645	99.6	30 - 120	
72 Ge	1	1984398	1.02	2000336	99.2	30 - 120	
115 In	1	6154788	0.76	6311330	97.5	30 - 120	
165 Ho	1	12248551	0.22	12325117	99.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\025SMPL.D\025SMPL.D#
Date Acquired: Apr 2 2012 06:21 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-3-a
Misc Info:
Vial Number: 2208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.71	0.71	ppb	12.74	3600	
51 V	72	1	32.51	32.51	ppb	0.76	3600	
52 Cr	72	1	20.34	20.34	ppb	0.19	3600	
55 Mn	72	1	2,786.00	2786.00	ppb	0.49	18000	
59 Co	72	1	17.33	17.33	ppb	0.43	3600	
60 Ni	72	1	9.65	9.65	ppb	1.59	3600	
63 Cu	72	1	14.97	14.97	ppb	0.44	3600	
66 Zn	72	1	56.32	56.32	ppb	0.18	3600	
75 As	72	1	18.38	18.38	ppb	0.96	3600	
78 Se	72	1	1.86	1.86	ppb	10.24	3600	
95 Mo	72	1	2.11	2.11	ppb	0.54	3600	
107 Ag	115	1	0.09	0.09	ppb	5.47	3600	
111 Cd	115	1	0.35	0.35	ppb	7.11	3600	
118 Sn	115	1	3.27	3.27	ppb	3.25	3600	
121 Sb	115	1	0.11	0.11	ppb	2.85	3600	
137 Ba	115	1	220.30	220.30	ppb	1.99	3600	
205 Tl	165	1	0.38	0.38	ppb	2.76	3600	
208 Pb	165	1	77.99	77.99	ppb	0.99	3600	
232 Th	165	1	4.68	4.68	ppb	1.99	1000	
238 U	165	1	0.82	0.82	ppb	1.32	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	695551	1.41	715866	97.2	30 - 120	
45 Sc	1	3335778	0.59	3345645	99.7	30 - 120	
72 Ge	1	1989520	0.28	2000336	99.5	30 - 120	
115 In	1	6154969	0.63	6311330	97.5	30 - 120	
165 Ho	1	12308066	0.89	12325117	99.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\026SMPL.D\026SMPL.D#
Date Acquired: Apr 2 2012 06:24 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-5-a
Misc Info:
Vial Number: 2209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.29	1.29	ppb	7.20	3600	
51 V	72	1	96.48	96.48	ppb	0.37	3600	
52 Cr	72	1	84.92	84.92	ppb	0.99	3600	
55 Mn	72	1	3,607.00	3607.00	ppb	0.81	18000	
59 Co	72	1	21.58	21.58	ppb	0.65	3600	
60 Ni	72	1	12.89	12.89	ppb	2.05	3600	
63 Cu	72	1	13.05	13.05	ppb	0.98	3600	
66 Zn	72	1	65.42	65.42	ppb	0.61	3600	
75 As	72	1	39.46	39.46	ppb	0.41	3600	
78 Se	72	1	2.42	2.42	ppb	2.98	3600	
95 Mo	72	1	3.03	3.03	ppb	0.12	3600	
107 Ag	115	1	0.11	0.11	ppb	3.75	3600	
111 Cd	115	1	0.62	0.62	ppb	4.10	3600	
118 Sn	115	1	0.27	0.27	ppb	1.57	3600	
121 Sb	115	1	0.24	0.24	ppb	2.12	3600	
137 Ba	115	1	196.70	196.70	ppb	2.31	3600	
205 Tl	165	1	0.48	0.48	ppb	1.24	3600	
208 Pb	165	1	51.84	51.84	ppb	0.55	3600	
232 Th	165	1	12.54	12.54	ppb	1.87	1000	
238 U	165	1	1.01	1.01	ppb	1.03	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	696130	0.74	715866	97.2	30 - 120	
45 Sc	1	3278956	1.15	3345645	98.0	30 - 120	
72 Ge	1	1967511	0.31	2000336	98.4	30 - 120	
115 In	1	6102151	1.52	6311330	96.7	30 - 120	
165 Ho	1	11982742	0.16	12325117	97.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\027SMPL.D\027SMPL.D#
Date Acquired: Apr 2 2012 06:27 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-6-a
Misc Info:
Vial Number: 2210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.89	0.89	ppb	6.13	3600	
51 V	72	1	32.08	32.08	ppb	0.51	3600	
52 Cr	72	1	24.53	24.53	ppb	2.67	3600	
55 Mn	72	1	2,754.00	2754.00	ppb	2.11	18000	
59 Co	72	1	25.04	25.04	ppb	0.89	3600	
60 Ni	72	1	13.97	13.97	ppb	0.40	3600	
63 Cu	72	1	16.76	16.76	ppb	0.72	3600	
66 Zn	72	1	40.95	40.95	ppb	1.23	3600	
75 As	72	1	15.90	15.90	ppb	1.99	3600	
78 Se	72	1	2.49	2.49	ppb	10.86	3600	
95 Mo	72	1	2.05	2.05	ppb	1.32	3600	
107 Ag	115	1	0.11	0.11	ppb	3.69	3600	
111 Cd	115	1	0.23	0.23	ppb	2.76	3600	
118 Sn	115	1	0.16	0.16	ppb	5.73	3600	
121 Sb	115	1	0.07	0.07	ppb	3.09	3600	
137 Ba	115	1	106.50	106.50	ppb	1.67	3600	
205 Tl	165	1	0.40	0.40	ppb	1.59	3600	
208 Pb	165	1	43.40	43.40	ppb	1.02	3600	
232 Th	165	1	5.21	5.21	ppb	1.57	1000	
238 U	165	1	0.90	0.90	ppb	1.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	699036	3.04	715866	97.6	30 - 120	
45 Sc	1	3353850	0.35	3345645	100.2	30 - 120	
72 Ge	1	2002648	0.17	2000336	100.1	30 - 120	
115 In	1	6130610	0.83	6311330	97.1	30 - 120	
165 Ho	1	12298826	0.39	12325117	99.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\028_CCV.D\028_CCV.D#
Date Acquired: Apr 2 2012 06:30 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.17	ppb	1.44	50	102.3	90 - 110	
51 V	72	1	52.80	ppb	2.67	50	105.6	90 - 110	
52 Cr	72	1	52.20	ppb	2.59	50	104.4	90 - 110	
55 Mn	72	1	52.16	ppb	2.57	50	104.3	90 - 110	
59 Co	72	1	52.09	ppb	1.70	50	104.2	90 - 110	
60 Ni	72	1	50.40	ppb	0.83	50	100.8	90 - 110	
63 Cu	72	1	52.34	ppb	0.47	50	104.7	90 - 110	
66 Zn	72	1	50.77	ppb	1.41	50	101.5	90 - 110	
75 As	72	1	51.25	ppb	1.23	50	102.5	90 - 110	
78 Se	72	1	51.68	ppb	2.93	50	103.4	90 - 110	
95 Mo	72	1	50.16	ppb	0.96	50	100.3	90 - 110	
107 Ag	115	1	51.31	ppb	0.73	50	102.6	90 - 110	
111 Cd	115	1	50.85	ppb	0.31	50	101.7	90 - 110	
118 Sn	115	1	51.62	ppb	1.29	50	103.2	90 - 110	
121 Sb	115	1	51.12	ppb	1.51	50	102.2	90 - 110	
137 Ba	115	1	51.16	ppb	0.75	50	102.3	90 - 110	
205 Tl	165	1	49.89	ppb	0.18	50	99.8	90 - 110	
208 Pb	165	1	50.17	ppb	0.69	50	100.3	90 - 110	
232 Th	165	1	49.17	ppb	0.96	50	98.3	90 - 110	
238 U	165	1	48.31	ppb	1.68	50	96.6	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	695677	0.75	715866	97.2	30 - 120	
45 Sc	1	3339322	1.08	3345645	99.8	30 - 120	
72 Ge	1	2034199	0.91	2000336	101.7	30 - 120	
115 In	1	6373538	0.13	6311330	101.0	30 - 120	
165 Ho	1	12473464	0.89	12325117	101.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\029_CCB.D\029_CCB.D#
Date Acquired: Apr 2 2012 06:33 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.007	ppb	86.61	1.00	
51 V	72	1	0.013	ppb	10.12	1.00	
52 Cr	72	1	0.018	ppb	24.16	1.00	
55 Mn	72	1	0.077	ppb	13.71	1.00	
59 Co	72	1	0.008	ppb	18.92	1.00	
60 Ni	72	1	0.016	ppb	59.70	1.00	
63 Cu	72	1	0.003	ppb	115.46	1.00	
66 Zn	72	1	0.040	ppb	9.23	1.00	
75 As	72	1	0.016	ppb	9.41	1.00	
78 Se	72	1	0.326	ppb	37.71	1.00	
95 Mo	72	1	0.022	ppb	26.82	1.00	
107 Ag	115	1	0.013	ppb	17.23	1.00	
111 Cd	115	1	0.006	ppb	209.46	1.00	
118 Sn	115	1	0.046	ppb	14.82	1.00	
121 Sb	115	1	0.051	ppb	5.63	1.00	
137 Ba	115	1	0.013	ppb	33.50	1.00	
205 Tl	165	1	0.030	ppb	14.48	1.00	
208 Pb	165	1	0.015	ppb	8.36	1.00	
232 Th	165	1	0.040	ppb	12.13	1.00	
238 U	165	1	0.009	ppb	15.98	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	706098	1.59	715866	98.6	30 - 120	
45 Sc	1	3409994	0.27	3345645	101.9	30 - 120	
72 Ge	1	2051089	1.45	2000336	102.5	30 - 120	
115 In	1	6446720	0.60	6311330	102.1	30 - 120	
165 Ho	1	12366610	1.00	12325117	100.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\030WASH.D\030WASH.D#
Date Acquired: Apr 2 2012 06:36 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.053 ppb	4.57	1.30	
51 V	72	1	5.540 ppb	2.08	6.50	
52 Cr	72	1	2.172 ppb	3.06	2.60	
55 Mn	72	1	1.143 ppb	1.72	1.30	
59 Co	72	1	1.082 ppb	0.48	1.30	
60 Ni	72	1	2.080 ppb	1.52	2.60	
63 Cu	72	1	2.235 ppb	0.18	2.60	
66 Zn	72	1	10.900 ppb	1.38	13.00	
75 As	72	1	5.253 ppb	0.64	6.50	
78 Se	72	1	5.121 ppb	2.77	6.50	
95 Mo	72	1	2.079 ppb	0.79	2.60	
107 Ag	115	1	5.176 ppb	2.03	6.50	
111 Cd	115	1	1.074 ppb	0.94	1.30	
118 Sn	115	1	10.250 ppb	1.12	13.00	
121 Sb	115	1	2.061 ppb	0.85	2.60	
137 Ba	115	1	1.077 ppb	1.73	1.30	
205 Tl	165	1	1.052 ppb	1.61	1.30	
208 Pb	165	1	1.028 ppb	0.36	1.30	
232 Th	165	1	2.039 ppb	2.24	2.60	
238 U	165	1	0.984 ppb	1.52	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	705607	1.47	715866	98.6	30 - 120	
45 Sc	1	3469983	1.41	3345645	103.7	30 - 120	
72 Ge	1	2060557	0.43	2000336	103.0	30 - 120	
115 In	1	6512206	1.81	6311330	103.2	30 - 120	
165 Ho	1	12572520	0.75	12325117	102.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\031SMPL.D\031SMPL.D#
Date Acquired: Apr 2 2012 06:39 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-7-a
Misc Info:
Vial Number: 2211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.64	0.64	ppb	15.34	3600	
51 V	72	1	25.43	25.43	ppb	1.91	3600	
52 Cr	72	1	11.96	11.96	ppb	0.71	3600	
55 Mn	72	1	619.80	619.80	ppb	0.25	18000	
59 Co	72	1	8.66	8.66	ppb	0.59	3600	
60 Ni	72	1	7.07	7.07	ppb	1.70	3600	
63 Cu	72	1	8.13	8.13	ppb	1.41	3600	
66 Zn	72	1	37.03	37.03	ppb	1.23	3600	
75 As	72	1	8.11	8.11	ppb	0.99	3600	
78 Se	72	1	1.28	1.28	ppb	6.09	3600	
95 Mo	72	1	0.96	0.96	ppb	1.74	3600	
107 Ag	115	1	0.06	0.06	ppb	9.10	3600	
111 Cd	115	1	0.15	0.15	ppb	5.85	3600	
118 Sn	115	1	0.22	0.22	ppb	3.48	3600	
121 Sb	115	1	0.07	0.07	ppb	2.21	3600	
137 Ba	115	1	67.91	67.91	ppb	1.01	3600	
205 Tl	165	1	0.17	0.17	ppb	3.78	3600	
208 Pb	165	1	28.91	28.91	ppb	1.52	3600	
232 Th	165	1	3.00	3.00	ppb	0.39	1000	
238 U	165	1	0.43	0.43	ppb	1.38	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	719274	0.92	715866	100.5	30 - 120	
45 Sc	1	3502539	1.11	3345645	104.7	30 - 120	
72 Ge	1	2093927	1.25	2000336	104.7	30 - 120	
115 In	1	6416738	1.13	6311330	101.7	30 - 120	
165 Ho	1	12492024	1.64	12325117	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\032SMPL.D\032SMPL.D#
Date Acquired: Apr 2 2012 06:42 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-8-a
Misc Info:
Vial Number: 2212
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.61	0.61	ppb	13.25	3600	
51 V	72	1	39.19	39.19	ppb	1.68	3600	
52 Cr	72	1	17.24	17.24	ppb	0.94	3600	
55 Mn	72	1	532.40	532.40	ppb	1.12	18000	
59 Co	72	1	9.60	9.60	ppb	2.00	3600	
60 Ni	72	1	11.44	11.44	ppb	1.87	3600	
63 Cu	72	1	14.82	14.82	ppb	1.59	3600	
66 Zn	72	1	52.07	52.07	ppb	1.86	3600	
75 As	72	1	14.44	14.44	ppb	0.81	3600	
78 Se	72	1	1.60	1.60	ppb	8.13	3600	
95 Mo	72	1	1.60	1.60	ppb	2.62	3600	
107 Ag	115	1	0.10	0.10	ppb	0.74	3600	
111 Cd	115	1	0.16	0.16	ppb	12.52	3600	
118 Sn	115	1	0.18	0.18	ppb	10.05	3600	
121 Sb	115	1	0.05	0.05	ppb	4.22	3600	
137 Ba	115	1	91.32	91.32	ppb	1.92	3600	
205 Tl	165	1	0.45	0.45	ppb	0.19	3600	
208 Pb	165	1	41.69	41.69	ppb	1.05	3600	
232 Th	165	1	5.84	5.84	ppb	1.38	1000	
238 U	165	1	0.95	0.95	ppb	3.20	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	730071	0.62	715866	102.0	30 - 120	
45 Sc	1	3477417	0.64	3345645	103.9	30 - 120	
72 Ge	1	2051089	1.61	2000336	102.5	30 - 120	
115 In	1	6351010	1.65	6311330	100.6	30 - 120	
165 Ho	1	12339701	0.56	12325117	100.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\033SMPL.D\033SMPL.D#
Date Acquired: Apr 2 2012 06:45 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-9-a
Misc Info:
Vial Number: 2301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.22	0.22	ppb	7.85	3600	
51 V	72	1	23.44	23.44	ppb	0.49	3600	
52 Cr	72	1	10.37	10.37	ppb	0.42	3600	
55 Mn	72	1	104.30	104.30	ppb	1.12	18000	
59 Co	72	1	2.55	2.55	ppb	0.96	3600	
60 Ni	72	1	7.09	7.09	ppb	1.33	3600	
63 Cu	72	1	12.44	12.44	ppb	1.50	3600	
66 Zn	72	1	27.24	27.24	ppb	0.35	3600	
75 As	72	1	8.91	8.91	ppb	0.41	3600	
78 Se	72	1	1.14	1.14	ppb	14.28	3600	
95 Mo	72	1	1.12	1.12	ppb	2.81	3600	
107 Ag	115	1	0.08	0.08	ppb	0.38	3600	
111 Cd	115	1	0.05	0.05	ppb	21.49	3600	
118 Sn	115	1	0.17	0.17	ppb	8.50	3600	
121 Sb	115	1	0.05	0.05	ppb	4.17	3600	
137 Ba	115	1	43.62	43.62	ppb	1.12	3600	
205 Tl	165	1	0.25	0.25	ppb	0.46	3600	
208 Pb	165	1	25.11	25.11	ppb	0.96	3600	
232 Th	165	1	3.96	3.96	ppb	0.96	1000	
238 U	165	1	0.58	0.58	ppb	2.10	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	722809	1.11	715866	101.0	30 - 120	
45 Sc	1	3452867	2.10	3345645	103.2	30 - 120	
72 Ge	1	2061254	0.66	2000336	103.0	30 - 120	
115 In	1	6433683	0.28	6311330	101.9	30 - 120	
165 Ho	1	12525409	1.01	12325117	101.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\034SMPL.D\034SMPL.D#
Date Acquired: Apr 2 2012 06:47 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-10-a
Misc Info:
Vial Number: 2302
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.55	0.55	ppb	10.98	3600	
51 V	72	1	25.81	25.81	ppb	3.87	3600	
52 Cr	72	1	11.75	11.75	ppb	2.55	3600	
55 Mn	72	1	85.49	85.49	ppb	2.58	18000	
59 Co	72	1	2.85	2.85	ppb	0.83	3600	
60 Ni	72	1	7.70	7.70	ppb	1.31	3600	
63 Cu	72	1	9.15	9.15	ppb	1.48	3600	
66 Zn	72	1	30.91	30.91	ppb	1.91	3600	
75 As	72	1	9.09	9.09	ppb	1.84	3600	
78 Se	72	1	1.17	1.17	ppb	26.32	3600	
95 Mo	72	1	1.00	1.00	ppb	4.17	3600	
107 Ag	115	1	0.06	0.06	ppb	10.24	3600	
111 Cd	115	1	0.08	0.08	ppb	14.61	3600	
118 Sn	115	1	0.11	0.11	ppb	11.88	3600	
121 Sb	115	1	0.03	0.03	ppb	6.93	3600	
137 Ba	115	1	58.87	58.87	ppb	0.50	3600	
205 Tl	165	1	0.26	0.26	ppb	2.32	3600	
208 Pb	165	1	19.29	19.29	ppb	1.02	3600	
232 Th	165	1	4.75	4.75	ppb	0.46	1000	
238 U	165	1	0.75	0.75	ppb	1.31	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	739239	1.13	715866	103.3	30 - 120	
45 Sc	1	3597620	2.34	3345645	107.5	30 - 120	
72 Ge	1	2220557	1.03	2000336	111.0	30 - 120	
115 In	1	6472463	0.58	6311330	102.6	30 - 120	
165 Ho	1	12565295	0.94	12325117	101.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\035SMPL.D\035SMPL.D#
Date Acquired: Apr 2 2012 06:50 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-12-a
Misc Info:
Vial Number: 2303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.67	0.67	ppb	1.69	3600	
51 V	72	1	60.50	60.50	ppb	1.57	3600	
52 Cr	72	1	43.27	43.27	ppb	0.91	3600	
55 Mn	72	1	1,155.00	1155.00	ppb	0.35	18000	
59 Co	72	1	7.89	7.89	ppb	0.30	3600	
60 Ni	72	1	10.34	10.34	ppb	1.06	3600	
63 Cu	72	1	14.56	14.56	ppb	0.40	3600	
66 Zn	72	1	36.79	36.79	ppb	0.27	3600	
75 As	72	1	41.92	41.92	ppb	0.09	3600	
78 Se	72	1	1.17	1.17	ppb	17.64	3600	
95 Mo	72	1	2.94	2.94	ppb	1.25	3600	
107 Ag	115	1	0.06	0.06	ppb	2.77	3600	
111 Cd	115	1	0.24	0.24	ppb	6.85	3600	
118 Sn	115	1	0.26	0.26	ppb	4.94	3600	
121 Sb	115	1	0.11	0.11	ppb	5.02	3600	
137 Ba	115	1	79.58	79.58	ppb	0.67	3600	
205 Tl	165	1	0.32	0.32	ppb	0.96	3600	
208 Pb	165	1	42.44	42.44	ppb	0.53	3600	
232 Th	165	1	6.68	6.68	ppb	1.01	1000	
238 U	165	1	0.72	0.72	ppb	1.91	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	739721	2.82	715866	103.3	30 - 120	
45 Sc	1	3570349	0.56	3345645	106.7	30 - 120	
72 Ge	1	2224832	0.57	2000336	111.2	30 - 120	
115 In	1	6417767	1.05	6311330	101.7	30 - 120	
165 Ho	1	12274631	0.99	12325117	99.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\036SMPL.D\036SMPL.D#
Date Acquired: Apr 2 2012 06:53 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-13-a
Misc Info:
Vial Number: 2304
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.52	0.52	ppb	16.92	3600	
51 V	72	1	31.41	31.41	ppb	0.45	3600	
52 Cr	72	1	14.20	14.20	ppb	0.46	3600	
55 Mn	72	1	1,176.00	1176.00	ppb	0.75	18000	
59 Co	72	1	7.27	7.27	ppb	0.77	3600	
60 Ni	72	1	7.42	7.42	ppb	1.68	3600	
63 Cu	72	1	12.33	12.33	ppb	0.70	3600	
66 Zn	72	1	34.85	34.85	ppb	0.21	3600	
75 As	72	1	21.88	21.88	ppb	0.25	3600	
78 Se	72	1	1.06	1.06	ppb	16.89	3600	
95 Mo	72	1	2.02	2.02	ppb	0.39	3600	
107 Ag	115	1	0.04	0.04	ppb	15.56	3600	
111 Cd	115	1	0.08	0.08	ppb	35.58	3600	
118 Sn	115	1	0.25	0.25	ppb	2.81	3600	
121 Sb	115	1	0.05	0.05	ppb	10.39	3600	
137 Ba	115	1	74.91	74.91	ppb	0.35	3600	
205 Tl	165	1	0.33	0.33	ppb	0.32	3600	
208 Pb	165	1	27.75	27.75	ppb	2.43	3600	
232 Th	165	1	4.28	4.28	ppb	1.90	1000	
238 U	165	1	0.65	0.65	ppb	1.11	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	729903	1.40	715866	102.0	30 - 120	
45 Sc	1	3558543	1.63	3345645	106.4	30 - 120	
72 Ge	1	2184177	0.64	2000336	109.2	30 - 120	
115 In	1	6414130	1.10	6311330	101.6	30 - 120	
165 Ho	1	12403724	0.44	12325117	100.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\037SMPL.D\037SMPL.D#
Date Acquired: Apr 2 2012 06:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-15-a
Misc Info:
Vial Number: 2305
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.85	0.85	ppb	13.56	3600	
51 V	72	1	28.81	28.81	ppb	2.19	3600	
52 Cr	72	1	14.22	14.22	ppb	0.95	3600	
55 Mn	72	1	1,056.00	1056.00	ppb	0.74	18000	
59 Co	72	1	9.16	9.16	ppb	1.83	3600	
60 Ni	72	1	7.48	7.48	ppb	1.67	3600	
63 Cu	72	1	13.64	13.64	ppb	1.29	3600	
66 Zn	72	1	52.35	52.35	ppb	1.27	3600	
75 As	72	1	12.44	12.44	ppb	1.27	3600	
78 Se	72	1	1.61	1.61	ppb	2.56	3600	
95 Mo	72	1	1.25	1.25	ppb	2.02	3600	
107 Ag	115	1	0.09	0.09	ppb	6.87	3600	
111 Cd	115	1	0.11	0.11	ppb	15.25	3600	
118 Sn	115	1	0.20	0.20	ppb	11.65	3600	
121 Sb	115	1	0.07	0.07	ppb	4.03	3600	
137 Ba	115	1	101.40	101.40	ppb	0.79	3600	
205 Tl	165	1	0.38	0.38	ppb	1.06	3600	
208 Pb	165	1	58.50	58.50	ppb	1.60	3600	
232 Th	165	1	4.93	4.93	ppb	1.45	1000	
238 U	165	1	0.65	0.65	ppb	1.32	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	734966	3.35	715866	102.7	30 - 120	
45 Sc	1	3526888	1.13	3345645	105.4	30 - 120	
72 Ge	1	2203174	1.51	2000336	110.1	30 - 120	
115 In	1	6395990	0.28	6311330	101.3	30 - 120	
165 Ho	1	12273681	1.14	12325117	99.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\038SMPL.D\038SMPL.D#
Date Acquired: Apr 2 2012 06:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-16-a
Misc Info:
Vial Number: 2306
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.77	0.77	ppb	10.23	3600	
51 V	72	1	55.85	55.85	ppb	2.64	3600	
52 Cr	72	1	54.20	54.20	ppb	1.93	3600	
55 Mn	72	1	994.90	994.90	ppb	1.48	18000	
59 Co	72	1	9.99	9.99	ppb	1.82	3600	
60 Ni	72	1	9.62	9.62	ppb	1.22	3600	
63 Cu	72	1	11.18	11.18	ppb	1.47	3600	
66 Zn	72	1	41.50	41.50	ppb	1.88	3600	
75 As	72	1	36.85	36.85	ppb	1.76	3600	
78 Se	72	1	1.95	1.95	ppb	5.62	3600	
95 Mo	72	1	1.85	1.85	ppb	2.51	3600	
107 Ag	115	1	0.07	0.07	ppb	2.21	3600	
111 Cd	115	1	0.31	0.31	ppb	17.57	3600	
118 Sn	115	1	0.18	0.18	ppb	3.86	3600	
121 Sb	115	1	0.06	0.06	ppb	4.27	3600	
137 Ba	115	1	96.03	96.03	ppb	0.89	3600	
205 Tl	165	1	0.32	0.32	ppb	2.04	3600	
208 Pb	165	1	32.90	32.90	ppb	0.54	3600	
232 Th	165	1	7.22	7.22	ppb	1.24	1000	
238 U	165	1	1.00	1.00	ppb	0.98	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	722689	1.57	715866	101.0	30 - 120	
45 Sc	1	3443330	0.51	3345645	102.9	30 - 120	
72 Ge	1	2067364	1.53	2000336	103.4	30 - 120	
115 In	1	6369168	0.60	6311330	100.9	30 - 120	
165 Ho	1	12217797	0.82	12325117	99.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\039SMPL.D\039SMPL.D#
Date Acquired: Apr 2 2012 07:02 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-17-a
Misc Info:
Vial Number: 2307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.65	0.65	ppb	13.17	3600	
51 V	72	1	32.71	32.71	ppb	1.47	3600	
52 Cr	72	1	14.40	14.40	ppb	1.18	3600	
55 Mn	72	1	161.50	161.50	ppb	1.00	18000	
59 Co	72	1	4.27	4.27	ppb	0.70	3600	
60 Ni	72	1	8.05	8.05	ppb	1.19	3600	
63 Cu	72	1	15.10	15.10	ppb	0.62	3600	
66 Zn	72	1	25.67	25.67	ppb	0.12	3600	
75 As	72	1	15.50	15.50	ppb	0.58	3600	
78 Se	72	1	1.71	1.71	ppb	16.90	3600	
95 Mo	72	1	2.11	2.11	ppb	2.08	3600	
107 Ag	115	1	0.09	0.09	ppb	2.07	3600	
111 Cd	115	1	0.12	0.12	ppb	18.93	3600	
118 Sn	115	1	0.13	0.13	ppb	2.17	3600	
121 Sb	115	1	0.02	0.02	ppb	15.79	3600	
137 Ba	115	1	55.41	55.41	ppb	0.26	3600	
205 Tl	165	1	0.25	0.25	ppb	1.07	3600	
208 Pb	165	1	26.72	26.72	ppb	0.62	3600	
232 Th	165	1	4.63	4.63	ppb	2.20	1000	
238 U	165	1	0.98	0.98	ppb	0.61	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	708674	0.28	715866	99.0	30 - 120	
45 Sc	1	3470144	1.15	3345645	103.7	30 - 120	
72 Ge	1	2055117	0.19	2000336	102.7	30 - 120	
115 In	1	6390808	0.51	6311330	101.3	30 - 120	
165 Ho	1	12344007	0.47	12325117	100.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\040SMPL.D\040SMPL.D#
Date Acquired: Apr 2 2012 07:05 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-18-a
Misc Info:
Vial Number: 2308
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.82	0.82	ppb	8.15	3600	
51 V	72	1	46.91	46.91	ppb	2.50	3600	
52 Cr	72	1	19.66	19.66	ppb	1.53	3600	
55 Mn	72	1	1,534.00	1534.00	ppb	2.52	18000	
59 Co	72	1	24.42	24.42	ppb	0.43	3600	
60 Ni	72	1	9.01	9.01	ppb	1.27	3600	
63 Cu	72	1	16.55	16.55	ppb	1.20	3600	
66 Zn	72	1	28.92	28.92	ppb	1.38	3600	
75 As	72	1	23.61	23.61	ppb	1.64	3600	
78 Se	72	1	2.46	2.46	ppb	8.54	3600	
95 Mo	72	1	2.14	2.14	ppb	3.21	3600	
107 Ag	115	1	0.10	0.10	ppb	3.74	3600	
111 Cd	115	1	0.22	0.22	ppb	12.49	3600	
118 Sn	115	1	0.15	0.15	ppb	7.52	3600	
121 Sb	115	1	0.07	0.07	ppb	2.98	3600	
137 Ba	115	1	78.62	78.62	ppb	0.36	3600	
205 Tl	165	1	0.35	0.35	ppb	1.54	3600	
208 Pb	165	1	43.57	43.57	ppb	0.34	3600	
232 Th	165	1	4.84	4.84	ppb	1.34	1000	
238 U	165	1	1.15	1.15	ppb	0.18	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	719929	2.11	715866	100.6	30 - 120	
45 Sc	1	3487595	0.86	3345645	104.2	30 - 120	
72 Ge	1	2075536	1.62	2000336	103.8	30 - 120	
115 In	1	6361783	0.42	6311330	100.8	30 - 120	
165 Ho	1	12376370	0.15	12325117	100.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\041_CCV.D\041_CCV.D#
Date Acquired: Apr 2 2012 07:08 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.02	ppb	4.73	50	104.0	90 - 110	
51 V	72	1	53.33	ppb	2.14	50	106.7	90 - 110	
52 Cr	72	1	53.11	ppb	1.60	50	106.2	90 - 110	
55 Mn	72	1	52.03	ppb	0.94	50	104.1	90 - 110	
59 Co	72	1	52.06	ppb	2.05	50	104.1	90 - 110	
60 Ni	72	1	50.31	ppb	1.19	50	100.6	90 - 110	
63 Cu	72	1	52.45	ppb	0.78	50	104.9	90 - 110	
66 Zn	72	1	50.85	ppb	0.84	50	101.7	90 - 110	
75 As	72	1	51.44	ppb	0.08	50	102.9	90 - 110	
78 Se	72	1	51.53	ppb	3.83	50	103.1	90 - 110	
95 Mo	72	1	50.19	ppb	0.48	50	100.4	90 - 110	
107 Ag	115	1	52.61	ppb	0.42	50	105.2	90 - 110	
111 Cd	115	1	50.98	ppb	0.39	50	102.0	90 - 110	
118 Sn	115	1	51.91	ppb	1.76	50	103.8	90 - 110	
121 Sb	115	1	52.06	ppb	1.36	50	104.1	90 - 110	
137 Ba	115	1	51.56	ppb	1.01	50	103.1	90 - 110	
205 Tl	165	1	50.13	ppb	1.42	50	100.3	90 - 110	
208 Pb	165	1	50.15	ppb	0.92	50	100.3	90 - 110	
232 Th	165	1	49.35	ppb	2.01	50	98.7	90 - 110	
238 U	165	1	47.74	ppb	1.02	50	95.5	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	705032	3.16	715866	98.5	30 - 120	
45 Sc	1	3479382	0.41	3345645	104.0	30 - 120	
72 Ge	1	2106069	1.12	2000336	105.3	30 - 120	
115 In	1	6494923	0.57	6311330	102.9	30 - 120	
165 Ho	1	12596032	0.49	12325117	102.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\042_CCB.D\042_CCB.D#
Date Acquired: Apr 2 2012 07:10 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.010	ppb	99.80	1.00	
51 V	72	1	0.015	ppb	74.81	1.00	
52 Cr	72	1	0.017	ppb	37.80	1.00	
55 Mn	72	1	-0.018	ppb	20.32	1.00	
59 Co	72	1	0.006	ppb	16.84	1.00	
60 Ni	72	1	0.012	ppb	45.80	1.00	
63 Cu	72	1	0.011	ppb	35.92	1.00	
66 Zn	72	1	0.081	ppb	8.97	1.00	
75 As	72	1	0.015	ppb	67.58	1.00	
78 Se	72	1	0.180	ppb	15.96	1.00	
95 Mo	72	1	0.023	ppb	29.62	1.00	
107 Ag	115	1	0.013	ppb	33.12	1.00	
111 Cd	115	1	-0.001	ppb	653.15	1.00	
118 Sn	115	1	0.041	ppb	13.56	1.00	
121 Sb	115	1	0.045	ppb	7.43	1.00	
137 Ba	115	1	0.012	ppb	32.93	1.00	
205 Tl	165	1	0.027	ppb	16.48	1.00	
208 Pb	165	1	0.014	ppb	16.40	1.00	
232 Th	165	1	0.042	ppb	21.84	1.00	
238 U	165	1	0.007	ppb	25.98	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	713578	2.07	715866	99.7	30 - 120	
45 Sc	1	3503468	2.23	3345645	104.7	30 - 120	
72 Ge	1	2116217	0.99	2000336	105.8	30 - 120	
115 In	1	6532301	0.41	6311330	103.5	30 - 120	
165 Ho	1	12556685	0.69	12325117	101.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\043WASH.D\043WASH.D#
Date Acquired: Apr 2 2012 07:13 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.052 ppb	10.90	1.30	
51 V	72	1	5.545 ppb	1.77	6.50	
52 Cr	72	1	2.128 ppb	1.62	2.60	
55 Mn	72	1	1.084 ppb	1.78	1.30	
59 Co	72	1	1.081 ppb	3.16	1.30	
60 Ni	72	1	2.072 ppb	1.40	2.60	
63 Cu	72	1	2.213 ppb	1.66	2.60	
66 Zn	72	1	10.760 ppb	0.54	13.00	
75 As	72	1	5.207 ppb	1.21	6.50	
78 Se	72	1	5.599 ppb	7.18	6.50	
95 Mo	72	1	2.064 ppb	3.31	2.60	
107 Ag	115	1	5.200 ppb	2.11	6.50	
111 Cd	115	1	1.053 ppb	4.26	1.30	
118 Sn	115	1	10.230 ppb	0.79	13.00	
121 Sb	115	1	2.069 ppb	0.57	2.60	
137 Ba	115	1	1.063 ppb	1.46	1.30	
205 Tl	165	1	1.064 ppb	0.30	1.30	
208 Pb	165	1	1.033 ppb	0.60	1.30	
232 Th	165	1	2.034 ppb	2.59	2.60	
238 U	165	1	0.991 ppb	1.10	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	718014	1.35	715866	100.3	30 - 120	
45 Sc	1	3600939	0.89	3345645	107.6	30 - 120	
72 Ge	1	2132658	1.68	2000336	106.6	30 - 120	
115 In	1	6632853	1.57	6311330	105.1	30 - 120	
165 Ho	1	12585660	0.58	12325117	102.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\044_BLK.D\044_BLK.D#
Date Acquired: Apr 2 2012 07:16 pm
Operator: TEL
Sample Name: mb 280-113654/1-a
Misc Info: BLANK 113654 Soil/DoD4/6020A
Vial Number: 2309
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.003 ppb	173.23	2.00	
51 V	72	1	0.019 ppb	89.44	2.00	
52 Cr	72	1	0.056 ppb	12.69	2.00	
55 Mn	72	1	0.004 ppb	33.10	2.00	
59 Co	72	1	0.003 ppb	5.25	2.00	
60 Ni	72	1	0.049 ppb	14.66	2.00	
63 Cu	72	1	0.169 ppb	9.73	2.00	
66 Zn	72	1	0.511 ppb	1.81	2.00	
75 As	72	1	0.016 ppb	33.97	2.00	
78 Se	72	1	0.229 ppb	81.79	2.00	
95 Mo	72	1	0.006 ppb	40.77	2.00	
107 Ag	115	1	0.005 ppb	17.77	2.00	
111 Cd	115	1	0.020 ppb	28.92	2.00	
118 Sn	115	1	0.067 ppb	6.20	2.00	
121 Sb	115	1	0.012 ppb	10.72	2.00	
137 Ba	115	1	0.161 ppb	6.83	2.00	
205 Tl	165	1	0.007 ppb	14.37	2.00	
208 Pb	165	1	0.081 ppb	2.37	2.00	
232 Th	165	1	0.013 ppb	14.57	2.00	
238 U	165	1	0.006 ppb	12.01	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	748142	1.54	715866	104.5	30 - 120	
45 Sc	1	3593937	0.74	3345645	107.4	30 - 120	
72 Ge	1	2147045	1.19	2000336	107.3	30 - 120	
115 In	1	6698751	1.33	6311330	106.1	30 - 120	
165 Ho	1	12675861	0.61	12325117	102.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\045_LCS.D\045_LCS.D#
Date Acquired: Apr 2 2012 07:19 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113654/2-a
Misc Info: LCS
Vial Number: 2310
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	41.15	1.49	40	102.9	80 - 120	
51 V	72	1	42.74	1.37	40	106.9	80 - 120	
52 Cr	72	1	42.95	1.13	40	107.4	80 - 120	
55 Mn	72	1	41.99	0.29	40	105.0	80 - 120	
59 Co	72	1	42.71	0.72	40	106.8	80 - 120	
60 Ni	72	1	40.83	0.26	40	102.1	80 - 120	
63 Cu	72	1	42.50	1.63	40	106.3	80 - 120	
66 Zn	72	1	40.37	0.70	40	100.9	80 - 120	
75 As	72	1	40.69	0.73	40	101.7	80 - 120	
78 Se	72	1	39.99	3.31	40	100.0	80 - 120	
95 Mo	72	1	40.15	0.72	40	100.4	80 - 120	
107 Ag	115	1	41.89	0.83	40	104.7	80 - 120	
111 Cd	115	1	39.93	0.67	40	99.8	80 - 120	
118 Sn	115	1	40.37	0.77	40	100.9	80 - 120	
121 Sb	115	1	39.97	0.84	40	99.9	80 - 120	
137 Ba	115	1	41.54	0.44	40	103.9	80 - 120	
205 Tl	165	1	40.06	1.11	40	100.2	80 - 120	
208 Pb	165	1	41.04	0.85	40	102.6	80 - 120	
232 Th	165	1	38.97	1.33	40	97.4	80 - 120	
238 U	165	1	38.90	0.73	40	97.3	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	730742	0.88	715866	102.1	30 - 120	
45 Sc	1	3579783	1.23	3345645	107.0	30 - 120	
72 Ge	1	2147295	0.58	2000336	107.3	30 - 120	
115 In	1	6665372	0.43	6311330	105.6	30 - 120	
165 Ho	1	12775542	0.33	12325117	103.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\046AREF.D\046AREF.D#
Date Acquired: Apr 2 2012 07:22 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d
Misc Info:
Vial Number: 2311
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.10	ppb	11.40	3600	
51 V	72	1	7.74	7.74	ppb	2.86	3600	
52 Cr	72	1	142.40	142.40	ppb	0.45	3600	
55 Mn	72	1	2,226.00	2226.00	ppb	1.14	18000	
59 Co	72	1	41.09	41.09	ppb	1.48	3600	
60 Ni	72	1	218.20	218.20	ppb	1.04	3600	
63 Cu	72	1	383.50	383.50	ppb	0.69	3600	
66 Zn	72	1	4,314.00	4314.00	ppb	0.63	3600	>LDR
75 As	72	1	45.13	45.13	ppb	1.47	3600	
78 Se	72	1	0.47	0.47	ppb	62.02	3600	
95 Mo	72	1	7.60	7.60	ppb	1.52	3600	
107 Ag	115	1	1.31	1.31	ppb	1.44	3600	
111 Cd	115	1	7.82	7.82	ppb	1.09	3600	
118 Sn	115	1	245.40	245.40	ppb	0.34	3600	
121 Sb	115	1	8.98	8.98	ppb	0.21	3600	
137 Ba	115	1	4,815.00	4815.00	ppb	0.95	3600	>LDR
205 Tl	165	1	0.15	0.15	ppb	9.96	3600	
208 Pb	165	1	1,093.00	1093.00	ppb	0.69	3600	
232 Th	165	1	0.77	0.77	ppb	1.73	1000	
238 U	165	1	0.17	0.17	ppb	1.84	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	652000	1.56	715866	91.1	30 - 120	
45 Sc	1	2839282	0.55	3345645	84.9	30 - 120	
72 Ge	1	2047124	0.71	2000336	102.3	30 - 120	
115 In	1	5479024	0.58	6311330	86.8	30 - 120	
165 Ho	1	11133531	0.50	12325117	90.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

2 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\047SDIL.D\047SDIL.D#
Date Acquired: Apr 2 2012 07:25 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2312
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\046AREF.D\046AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.01	ppb	100.10	0.02	49.1	90 - 110	
51 V	72	1	2.14	ppb	21.32	1.55	138.4	90 - 110	
52 Cr	72	1	33.26	ppb	1.30	28.48	116.8	90 - 110	
55 Mn	72	1	511.40	ppb	1.82	445.20	114.9	90 - 110	
59 Co	72	1	9.49	ppb	1.51	8.22	115.4	90 - 110	
60 Ni	72	1	51.68	ppb	1.27	43.64	118.4	90 - 110	
63 Cu	72	1	94.26	ppb	1.08	76.70	122.9	90 - 110	
66 Zn	72	1	1023.00	ppb	0.16	862.80	118.6	90 - 110	
75 As	72	1	10.42	ppb	0.61	9.03	115.4	90 - 110	
78 Se	72	1	0.20	ppb	40.31	0.09	214.6	90 - 110	
95 Mo	72	1	1.71	ppb	4.82	1.52	112.2	90 - 110	
107 Ag	115	1	0.28	ppb	2.08	0.26	106.8	90 - 110	
111 Cd	115	1	1.65	ppb	1.19	1.56	105.4	90 - 110	
118 Sn	115	1	50.67	ppb	1.58	49.08	103.2	90 - 110	
121 Sb	115	1	1.80	ppb	1.78	1.80	100.4	90 - 110	
137 Ba	115	1	979.70	ppb	0.53	963.00	101.7	90 - 110	
205 Tl	165	1	0.03	ppb	3.70	0.03	97.6	90 - 110	
208 Pb	165	1	221.00	ppb	0.23	218.60	101.1	90 - 110	
232 Th	165	1	0.15	ppb	3.64	0.15	95.7	90 - 110	
238 U	165	1	0.03	ppb	3.31	0.03	96.7	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	704520	1.93	715866	98.4	30 - 120	
45 Sc	1	3251817	0.32	3345645	97.2	30 - 120	
72 Ge	1	2047299	0.71	2000336	102.3	30 - 120	
115 In	1	6092155	0.41	6311330	96.5	30 - 120	
165 Ho	1	12099331	0.14	12325117	98.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\048PDS.D\048PDS.D#
Date Acquired: Apr 2 2012 07:28 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2401
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	178.00	0.10	ppb	1.05	200	89.0	75 - 125	
51 V	72	1	169.60	7.74	ppb	1.97	200	81.6	75 - 125	
52 Cr	72	1	300.50	142.40	ppb	2.06	200	87.8	75 - 125	
55 Mn	72	1	2273.00	2226.00	ppb	2.06	200	93.7	75 - 125	
59 Co	72	1	199.40	41.09	ppb	0.37	200	82.7	75 - 125	
60 Ni	72	1	362.70	218.20	ppb	1.10	200	86.7	75 - 125	
63 Cu	72	1	528.30	383.50	ppb	0.96	200	90.5	75 - 125	
66 Zn	72	1	4316.00	4314.00	ppb	0.80	200	95.6	75 - 125	
75 As	72	1	202.60	45.13	ppb	1.00	200	82.7	75 - 125	
78 Se	72	1	144.90	0.47	ppb	0.94	200	72.3	75 - 125	
95 Mo	72	1	180.20	7.60	ppb	1.06	200	86.8	75 - 125	
107 Ag	115	1	48.38	1.31	ppb	2.22	50	94.3	75 - 125	
111 Cd	115	1	197.80	7.82	ppb	1.42	200	95.2	75 - 125	
118 Sn	115	1	416.80	245.40	ppb	0.89	200	93.6	75 - 125	
121 Sb	115	1	198.90	8.98	ppb	0.47	200	95.2	75 - 125	
137 Ba	115	1	4798.00	4815.00	ppb	0.62	200	95.7	75 - 125	
205 Tl	165	1	187.50	0.15	ppb	1.06	200	93.7	75 - 125	
208 Pb	165	1	1233.00	1093.00	ppb	1.85	200	95.4	75 - 125	
232 Th	165	1	0.68	0.77	ppb	4.12	200	0.3	75 - 125	
238 U	165	1	178.70	0.17	ppb	2.44	200	89.3	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	640721	1.32	715866	89.5	30 - 120	
45 Sc	1	2752469	0.25	3345645	82.3	30 - 120	
72 Ge	1	1970503	0.72	2000336	98.5	30 - 120	
115 In	1	5380962	1.17	6311330	85.3	30 - 120	
165 Ho	1	11101690	1.66	12325117	90.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\049_MS.D\049_MS.D#
Date Acquired: Apr 2 2012 07:30 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-e ms
Misc Info: MATRIX SPIKE
Vial Number: 2402
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	37.29	0.10	ppb	3.00	40	93.0	50 - 150	
51 V	72	1	52.77	7.74	ppb	3.02	40	110.5	50 - 150	
52 Cr	72	1	156.90	142.40	ppb	1.29	40	86.0	50 - 150	
55 Mn	72	1	2344.00	2226.00	ppb	0.57	40	103.4	50 - 150	
59 Co	72	1	69.18	41.09	ppb	0.57	40	85.3	50 - 150	
60 Ni	72	1	183.40	218.20	ppb	1.39	40	71.0	50 - 150	
63 Cu	72	1	344.30	383.50	ppb	0.22	40	81.3	50 - 150	
66 Zn	72	1	4202.00	4314.00	ppb	1.20	40	96.5	50 - 150	
75 As	72	1	85.55	45.13	ppb	0.49	40	100.5	50 - 150	
78 Se	72	1	25.47	0.47	ppb	3.22	40	62.9	50 - 150	
95 Mo	72	1	43.12	7.60	ppb	0.54	40	90.6	50 - 150	
107 Ag	115	1	39.68	1.31	ppb	1.28	40	96.1	50 - 150	
111 Cd	115	1	48.88	7.82	ppb	0.95	40	102.2	50 - 150	
118 Sn	115	1	510.20	245.40	ppb	1.42	40	178.8	50 - 150	
121 Sb	115	1	26.71	8.98	ppb	1.04	40	54.5	50 - 150	
137 Ba	115	1	5085.00	4815.00	ppb	1.59	40	104.7	50 - 150	
205 Tl	165	1	39.44	0.15	ppb	1.49	40	98.2	50 - 150	
208 Pb	165	1	2106.00	1093.00	ppb	0.77	40	185.9	50 - 150	
232 Th	165	1	40.64	0.77	ppb	0.20	40	99.7	50 - 150	
238 U	165	1	38.95	0.17	ppb	0.42	40	97.0	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	597783	1.03	715866	83.5	30 - 120	
45 Sc	1	2563663	0.47	3345645	76.6	30 - 120	
72 Ge	1	1915769	0.75	2000336	95.8	30 - 120	
115 In	1	5156619	0.71	6311330	81.7	30 - 120	
165 Ho	1	10800392	0.86	12325117	87.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\050_MSD.D\050_MSD.D#
Date Acquired: Apr 2 2012 07:33 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-f msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2403
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\049_MS.D\049_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	39.54	ppb	0.59	37.29	5.86	20	
51 V	72	1	53.54	ppb	0.71	52.77	1.45	20	
52 Cr	72	1	125.70	ppb	0.83	156.90	22.08	20	
55 Mn	72	1	2440.00	ppb	0.58	2344.00	4.01	20	
59 Co	72	1	71.57	ppb	0.54	69.18	3.40	20	
60 Ni	72	1	163.90	ppb	0.47	183.40	11.23	20	
63 Cu	72	1	428.30	ppb	0.45	344.30	21.74	20	
66 Zn	72	1	2717.00	ppb	0.36	4202.00	42.93	20	
75 As	72	1	97.11	ppb	0.70	85.55	12.66	20	
78 Se	72	1	24.40	ppb	0.76	25.47	4.29	20	
95 Mo	72	1	48.83	ppb	0.31	43.12	12.42	20	
107 Ag	115	1	41.28	ppb	1.56	39.68	3.95	20	
111 Cd	115	1	47.35	ppb	1.54	48.88	3.18	20	
118 Sn	115	1	704.00	ppb	0.54	510.20	31.92	20	
121 Sb	115	1	24.29	ppb	0.96	26.71	9.49	20	
137 Ba	115	1	1345.00	ppb	1.78	5085.00	116.33	20	
205 Tl	165	1	40.51	ppb	1.12	39.44	2.68	20	
208 Pb	165	1	1212.00	ppb	1.30	2106.00	53.89	20	
232 Th	165	1	42.04	ppb	1.38	40.64	3.39	20	
238 U	165	1	40.49	ppb	1.40	38.95	3.88	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	606017	1.18	715866	84.7	30 - 120	
45 Sc	1	2634479	0.08	3345645	78.7	30 - 120	
72 Ge	1	1885391	0.24	2000336	94.3	30 - 120	
115 In	1	5200989	1.27	6311330	82.4	30 - 120	
165 Ho	1	10939065	0.41	12325117	88.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\051SMPL.D\051SMPL.D#
Date Acquired: Apr 2 2012 07:36 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-2-b
Misc Info:
Vial Number: 2404
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.14	0.14	ppb	27.69	3600	
51 V	72	1	7.98	7.98	ppb	1.16	3600	
52 Cr	72	1	15.59	15.59	ppb	1.63	3600	
55 Mn	72	1	495.20	495.20	ppb	0.93	18000	
59 Co	72	1	12.67	12.67	ppb	1.34	3600	
60 Ni	72	1	25.61	25.61	ppb	0.64	3600	
63 Cu	72	1	77.62	77.62	ppb	0.58	3600	
66 Zn	72	1	2,250.00	2250.00	ppb	1.54	3600	
75 As	72	1	15.17	15.17	ppb	1.16	3600	
78 Se	72	1	1.26	1.26	ppb	5.84	3600	
95 Mo	72	1	1.88	1.88	ppb	2.10	3600	
107 Ag	115	1	0.44	0.44	ppb	1.54	3600	
111 Cd	115	1	9.37	9.37	ppb	0.79	3600	
118 Sn	115	1	130.30	130.30	ppb	0.52	3600	
121 Sb	115	1	1.48	1.48	ppb	0.61	3600	
137 Ba	115	1	278.70	278.70	ppb	0.16	3600	
205 Tl	165	1	0.16	0.16	ppb	2.37	3600	
208 Pb	165	1	2,529.00	2529.00	ppb	0.47	3600	
232 Th	165	1	1.14	1.14	ppb	1.38	1000	
238 U	165	1	0.30	0.30	ppb	0.22	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	646700	2.05	715866	90.3	30 - 120	
45 Sc	1	2983615	1.51	3345645	89.2	30 - 120	
72 Ge	1	1939391	1.51	2000336	97.0	30 - 120	
115 In	1	5856106	1.25	6311330	92.8	30 - 120	
165 Ho	1	11593671	0.62	12325117	94.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\052SMPL.D\052SMPL.D#
Date Acquired: Apr 2 2012 07:39 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-3-b
Misc Info:
Vial Number: 2405
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.10	ppb	36.21	3600	
51 V	72	1	7.24	7.24	ppb	1.52	3600	
52 Cr	72	1	95.24	95.24	ppb	0.34	3600	
55 Mn	72	1	1,411.00	1411.00	ppb	0.91	18000	
59 Co	72	1	28.74	28.74	ppb	1.16	3600	
60 Ni	72	1	115.10	115.10	ppb	0.61	3600	
63 Cu	72	1	331.70	331.70	ppb	1.15	3600	
66 Zn	72	1	1,787.00	1787.00	ppb	0.87	3600	
75 As	72	1	36.54	36.54	ppb	1.04	3600	
78 Se	72	1	0.36	0.36	ppb	10.45	3600	
95 Mo	72	1	14.80	14.80	ppb	1.38	3600	
107 Ag	115	1	0.32	0.32	ppb	2.21	3600	
111 Cd	115	1	4.23	4.23	ppb	1.96	3600	
118 Sn	115	1	928.80	928.80	ppb	0.39	3600	
121 Sb	115	1	5.16	5.16	ppb	0.80	3600	
137 Ba	115	1	66.26	66.26	ppb	0.37	3600	
205 Tl	165	1	0.12	0.12	ppb	2.92	3600	
208 Pb	165	1	508.10	508.10	ppb	0.69	3600	
232 Th	165	1	0.78	0.78	ppb	2.52	1000	
238 U	165	1	0.23	0.23	ppb	2.71	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	582233	0.57	715866	81.3	30 - 120	
45 Sc	1	2599355	0.75	3345645	77.7	30 - 120	
72 Ge	1	1869315	1.07	2000336	93.5	30 - 120	
115 In	1	5218348	0.50	6311330	82.7	30 - 120	
165 Ho	1	10891870	0.69	12325117	88.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\053_CCV.D\053_CCV.D#
Date Acquired: Apr 2 2012 07:41 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.94	ppb	0.37	50	105.9	90 - 110	
51 V	72	1	53.09	ppb	3.81	50	106.2	90 - 110	
52 Cr	72	1	51.96	ppb	1.60	50	103.9	90 - 110	
55 Mn	72	1	51.16	ppb	2.55	50	102.3	90 - 110	
59 Co	72	1	53.52	ppb	1.32	50	107.0	90 - 110	
60 Ni	72	1	51.01	ppb	1.79	50	102.0	90 - 110	
63 Cu	72	1	53.88	ppb	2.85	50	107.8	90 - 110	
66 Zn	72	1	51.70	ppb	1.73	50	103.4	90 - 110	
75 As	72	1	51.80	ppb	1.46	50	103.6	90 - 110	
78 Se	72	1	50.61	ppb	3.58	50	101.2	90 - 110	
95 Mo	72	1	51.76	ppb	1.65	50	103.5	90 - 110	
107 Ag	115	1	52.64	ppb	0.93	50	105.3	90 - 110	
111 Cd	115	1	50.95	ppb	0.10	50	101.9	90 - 110	
118 Sn	115	1	51.86	ppb	2.99	50	103.7	90 - 110	
121 Sb	115	1	51.17	ppb	1.96	50	102.3	90 - 110	
137 Ba	115	1	51.85	ppb	0.95	50	103.7	90 - 110	
205 Tl	165	1	50.59	ppb	0.43	50	101.2	90 - 110	
208 Pb	165	1	51.33	ppb	0.61	50	102.7	90 - 110	
232 Th	165	1	49.42	ppb	0.12	50	98.8	90 - 110	
238 U	165	1	48.60	ppb	0.96	50	97.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	617027	0.80	715866	86.2	30 - 120	
45 Sc	1	3053961	1.56	3345645	91.3	30 - 120	
72 Ge	1	1882691	0.97	2000336	94.1	30 - 120	
115 In	1	6019241	0.29	6311330	95.4	30 - 120	
165 Ho	1	11820907	1.32	12325117	95.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\054_CCB.D\054_CCB.D#
Date Acquired: Apr 2 2012 07:44 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.004	ppb	173.19	1.00	
51 V	72	1	0.007	ppb	141.14	1.00	
52 Cr	72	1	0.018	ppb	22.97	1.00	
55 Mn	72	1	-0.004	ppb	289.61	1.00	
59 Co	72	1	0.009	ppb	23.91	1.00	
60 Ni	72	1	0.021	ppb	22.01	1.00	
63 Cu	72	1	0.032	ppb	3.56	1.00	
66 Zn	72	1	0.286	ppb	2.65	1.00	
75 As	72	1	0.023	ppb	24.39	1.00	
78 Se	72	1	0.159	ppb	66.50	1.00	
95 Mo	72	1	0.017	ppb	32.90	1.00	
107 Ag	115	1	0.013	ppb	18.90	1.00	
111 Cd	115	1	0.004	ppb	35.02	1.00	
118 Sn	115	1	0.239	ppb	4.61	1.00	
121 Sb	115	1	0.048	ppb	6.22	1.00	
137 Ba	115	1	0.066	ppb	1.30	1.00	
205 Tl	165	1	0.031	ppb	13.30	1.00	
208 Pb	165	1	0.104	ppb	1.27	1.00	
232 Th	165	1	0.041	ppb	17.52	1.00	
238 U	165	1	0.008	ppb	10.25	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	647744	2.94	715866	90.5	30 - 120	
45 Sc	1	3157314	1.02	3345645	94.4	30 - 120	
72 Ge	1	1939360	1.88	2000336	97.0	30 - 120	
115 In	1	6164411	1.29	6311330	97.7	30 - 120	
165 Ho	1	11936159	0.91	12325117	96.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\055WASH.D\055WASH.D#
Date Acquired: Apr 2 2012 07:47 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.033 ppb	5.20	1.30	
51 V	72	1	5.461 ppb	1.35	6.50	
52 Cr	72	1	2.144 ppb	1.92	2.60	
55 Mn	72	1	1.100 ppb	2.98	1.30	
59 Co	72	1	1.058 ppb	2.65	1.30	
60 Ni	72	1	2.026 ppb	0.75	2.60	
63 Cu	72	1	2.204 ppb	1.78	2.60	
66 Zn	72	1	10.850 ppb	0.96	13.00	
75 As	72	1	5.138 ppb	2.61	6.50	
78 Se	72	1	5.223 ppb	1.91	6.50	
95 Mo	72	1	2.101 ppb	3.43	2.60	
107 Ag	115	1	5.165 ppb	1.03	6.50	
111 Cd	115	1	1.066 ppb	3.02	1.30	
118 Sn	115	1	10.240 ppb	1.64	13.00	
121 Sb	115	1	2.057 ppb	1.19	2.60	
137 Ba	115	1	1.109 ppb	1.74	1.30	
205 Tl	165	1	1.071 ppb	0.94	1.30	
208 Pb	165	1	1.111 ppb	0.66	1.30	
232 Th	165	1	2.043 ppb	1.99	2.60	
238 U	165	1	1.002 ppb	0.84	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	640713	3.74	715866	89.5	30 - 120	
45 Sc	1	3201681	0.73	3345645	95.7	30 - 120	
72 Ge	1	1968747	0.80	2000336	98.4	30 - 120	
115 In	1	6249723	1.05	6311330	99.0	30 - 120	
165 Ho	1	11900244	0.19	12325117	96.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\056SMPL.D\056SMPL.D#
Date Acquired: Apr 2 2012 07:50 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-4-b
Misc Info:
Vial Number: 2406
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.10	ppb	31.38	3600	
51 V	72	1	15.05	15.05	ppb	1.65	3600	
52 Cr	72	1	20.67	20.67	ppb	0.58	3600	
55 Mn	72	1	133.50	133.50	ppb	0.15	18000	
59 Co	72	1	3.12	3.12	ppb	1.27	3600	
60 Ni	72	1	17.29	17.29	ppb	0.19	3600	
63 Cu	72	1	80.99	80.99	ppb	0.76	3600	
66 Zn	72	1	147.40	147.40	ppb	0.38	3600	
75 As	72	1	6.13	6.13	ppb	1.45	3600	
78 Se	72	1	0.98	0.98	ppb	26.21	3600	
95 Mo	72	1	4.14	4.14	ppb	0.72	3600	
107 Ag	115	1	0.35	0.35	ppb	0.80	3600	
111 Cd	115	1	1.07	1.07	ppb	3.77	3600	
118 Sn	115	1	7.62	7.62	ppb	1.68	3600	
121 Sb	115	1	0.30	0.30	ppb	0.82	3600	
137 Ba	115	1	24.10	24.10	ppb	0.69	3600	
205 Tl	165	1	0.12	0.12	ppb	1.69	3600	
208 Pb	165	1	139.50	139.50	ppb	1.02	3600	
232 Th	165	1	1.13	1.13	ppb	1.15	1000	
238 U	165	1	0.20	0.20	ppb	0.38	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	632061	1.99	715866	88.3	30 - 120	
45 Sc	1	3159590	0.21	3345645	94.4	30 - 120	
72 Ge	1	1946550	0.27	2000336	97.3	30 - 120	
115 In	1	6073130	0.14	6311330	96.2	30 - 120	
165 Ho	1	11898057	0.67	12325117	96.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\057SMPL.D\057SMPL.D#
Date Acquired: Apr 2 2012 07:53 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-5-b
Misc Info:
Vial Number: 2407
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.13	0.13	ppb	52.47	3600	
51 V	72	1	9.00	9.00	ppb	3.10	3600	
52 Cr	72	1	47.61	47.61	ppb	1.15	3600	
55 Mn	72	1	462.60	462.60	ppb	0.45	18000	
59 Co	72	1	7.76	7.76	ppb	0.36	3600	
60 Ni	72	1	28.32	28.32	ppb	0.82	3600	
63 Cu	72	1	95.76	95.76	ppb	0.99	3600	
66 Zn	72	1	145.30	145.30	ppb	0.39	3600	
75 As	72	1	20.79	20.79	ppb	0.71	3600	
78 Se	72	1	0.97	0.97	ppb	8.01	3600	
95 Mo	72	1	4.43	4.43	ppb	1.20	3600	
107 Ag	115	1	0.38	0.38	ppb	2.79	3600	
111 Cd	115	1	0.93	0.93	ppb	0.83	3600	
118 Sn	115	1	14.34	14.34	ppb	1.23	3600	
121 Sb	115	1	0.95	0.95	ppb	1.33	3600	
137 Ba	115	1	635.80	635.80	ppb	0.72	3600	
205 Tl	165	1	0.16	0.16	ppb	3.00	3600	
208 Pb	165	1	6,284.00	6284.00	ppb	0.63	3600	>LDR
232 Th	165	1	1.28	1.28	ppb	0.48	1000	
238 U	165	1	0.24	0.24	ppb	0.73	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	642669	0.26	715866	89.8	30 - 120	
45 Sc	1	3093149	0.47	3345645	92.5	30 - 120	
72 Ge	1	1940776	0.34	2000336	97.0	30 - 120	
115 In	1	5910419	1.24	6311330	93.6	30 - 120	
165 Ho	1	11702576	1.34	12325117	94.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\058SMPL.D\058SMPL.D#
Date Acquired: Apr 2 2012 07:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-6-b
Misc Info:
Vial Number: 2408
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.28	0.28	ppb	50.99	3600	
51 V	72	1	9.23	9.23	ppb	1.24	3600	
52 Cr	72	1	9.22	9.22	ppb	0.61	3600	
55 Mn	72	1	72.25	72.25	ppb	0.11	18000	
59 Co	72	1	2.36	2.36	ppb	1.31	3600	
60 Ni	72	1	6.92	6.92	ppb	1.87	3600	
63 Cu	72	1	10.30	10.30	ppb	0.55	3600	
66 Zn	72	1	40.36	40.36	ppb	0.28	3600	
75 As	72	1	1.64	1.64	ppb	1.90	3600	
78 Se	72	1	0.71	0.71	ppb	11.77	3600	
95 Mo	72	1	0.20	0.20	ppb	3.29	3600	
107 Ag	115	1	0.02	0.02	ppb	17.37	3600	
111 Cd	115	1	0.53	0.53	ppb	4.30	3600	
118 Sn	115	1	0.48	0.48	ppb	2.45	3600	
121 Sb	115	1	0.05	0.05	ppb	3.71	3600	
137 Ba	115	1	35.26	35.26	ppb	1.06	3600	
205 Tl	165	1	0.08	0.08	ppb	2.80	3600	
208 Pb	165	1	153.90	153.90	ppb	0.41	3600	
232 Th	165	1	1.87	1.87	ppb	2.03	1000	
238 U	165	1	0.22	0.22	ppb	0.67	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	615590	2.85	715866	86.0	30 - 120	
45 Sc	1	3061322	0.23	3345645	91.5	30 - 120	
72 Ge	1	1871672	0.17	2000336	93.6	30 - 120	
115 In	1	5957483	0.70	6311330	94.4	30 - 120	
165 Ho	1	11742372	0.67	12325117	95.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\059SMPL.D\059SMPL.D#
Date Acquired: Apr 2 2012 07:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-7-b
Misc Info:
Vial Number: 2409
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.08	0.08	ppb	29.31	3600	
51 V	72	1	7.34	7.34	ppb	1.36	3600	
52 Cr	72	1	6.94	6.94	ppb	1.69	3600	
55 Mn	72	1	544.70	544.70	ppb	1.12	18000	
59 Co	72	1	1.90	1.90	ppb	1.59	3600	
60 Ni	72	1	7.21	7.21	ppb	1.29	3600	
63 Cu	72	1	37.60	37.60	ppb	0.73	3600	
66 Zn	72	1	831.80	831.80	ppb	1.15	3600	
75 As	72	1	4.17	4.17	ppb	0.90	3600	
78 Se	72	1	0.91	0.91	ppb	16.86	3600	
95 Mo	72	1	0.55	0.55	ppb	1.30	3600	
107 Ag	115	1	0.12	0.12	ppb	7.96	3600	
111 Cd	115	1	4.15	4.15	ppb	0.24	3600	
118 Sn	115	1	7.61	7.61	ppb	1.23	3600	
121 Sb	115	1	0.21	0.21	ppb	2.22	3600	
137 Ba	115	1	64.46	64.46	ppb	0.27	3600	
205 Tl	165	1	0.08	0.08	ppb	4.30	3600	
208 Pb	165	1	127.90	127.90	ppb	0.53	3600	
232 Th	165	1	1.06	1.06	ppb	1.30	1000	
238 U	165	1	0.19	0.19	ppb	1.45	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	607674	1.47	715866	84.9	30 - 120	
45 Sc	1	3016037	0.77	3345645	90.1	30 - 120	
72 Ge	1	1885917	1.35	2000336	94.3	30 - 120	
115 In	1	5930596	0.43	6311330	94.0	30 - 120	
165 Ho	1	11627260	0.15	12325117	94.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\060SMPL.D\060SMPL.D#
Date Acquired: Apr 2 2012 08:01 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-8-b
Misc Info:
Vial Number: 2410
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.22	0.22	ppb	21.58	3600	
51 V	72	1	13.60	13.60	ppb	1.02	3600	
52 Cr	72	1	9.02	9.02	ppb	1.97	3600	
55 Mn	72	1	466.80	466.80	ppb	1.02	18000	
59 Co	72	1	2.91	2.91	ppb	1.96	3600	
60 Ni	72	1	8.64	8.64	ppb	1.32	3600	
63 Cu	72	1	7.25	7.25	ppb	0.88	3600	
66 Zn	72	1	461.20	461.20	ppb	1.29	3600	
75 As	72	1	0.68	0.68	ppb	1.88	3600	
78 Se	72	1	0.51	0.51	ppb	9.97	3600	
95 Mo	72	1	0.13	0.13	ppb	9.16	3600	
107 Ag	115	1	0.02	0.02	ppb	18.34	3600	
111 Cd	115	1	0.88	0.88	ppb	3.62	3600	
118 Sn	115	1	0.28	0.28	ppb	5.45	3600	
121 Sb	115	1	0.02	0.02	ppb	13.20	3600	
137 Ba	115	1	24.63	24.63	ppb	0.17	3600	
205 Tl	165	1	0.07	0.07	ppb	1.49	3600	
208 Pb	165	1	15.63	15.63	ppb	0.77	3600	
232 Th	165	1	1.83	1.83	ppb	2.62	1000	
238 U	165	1	0.21	0.21	ppb	1.71	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	591042	2.52	715866	82.6	30 - 120	
45 Sc	1	3010275	1.09	3345645	90.0	30 - 120	
72 Ge	1	1835105	0.85	2000336	91.7	30 - 120	
115 In	1	5822406	0.71	6311330	92.3	30 - 120	
165 Ho	1	11572115	0.84	12325117	93.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\061SMPL.D\061SMPL.D#
Date Acquired: Apr 2 2012 08:04 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-9-b
Misc Info:
Vial Number: 2411
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.24	0.24	ppb	16.15	3600	
51 V	72	1	24.89	24.89	ppb	2.46	3600	
52 Cr	72	1	33.02	33.02	ppb	1.95	3600	
55 Mn	72	1	455.90	455.90	ppb	0.89	18000	
59 Co	72	1	11.92	11.92	ppb	0.88	3600	
60 Ni	72	1	40.79	40.79	ppb	1.24	3600	
63 Cu	72	1	442.80	442.80	ppb	0.85	3600	
66 Zn	72	1	520.70	520.70	ppb	1.72	3600	
75 As	72	1	15.20	15.20	ppb	0.89	3600	
78 Se	72	1	1.10	1.10	ppb	25.17	3600	
95 Mo	72	1	4.90	4.90	ppb	0.89	3600	
107 Ag	115	1	0.20	0.20	ppb	3.59	3600	
111 Cd	115	1	3.02	3.02	ppb	2.80	3600	
118 Sn	115	1	46.06	46.06	ppb	0.79	3600	
121 Sb	115	1	1.62	1.62	ppb	0.91	3600	
137 Ba	115	1	593.50	593.50	ppb	0.86	3600	
205 Tl	165	1	0.13	0.13	ppb	1.35	3600	
208 Pb	165	1	1,835.00	1835.00	ppb	0.32	3600	
232 Th	165	1	1.23	1.23	ppb	0.73	1000	
238 U	165	1	0.27	0.27	ppb	0.72	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	589038	3.46	715866	82.3	30 - 120	
45 Sc	1	2884941	0.72	3345645	86.2	30 - 120	
72 Ge	1	1882135	0.87	2000336	94.1	30 - 120	
115 In	1	5630799	1.15	6311330	89.2	30 - 120	
165 Ho	1	11372587	0.40	12325117	92.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\062SMPL.D\062SMPL.D#
Date Acquired: Apr 2 2012 08:07 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-10-b
Misc Info:
Vial Number: 2412
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.37	0.37	ppb	10.04	3600	
51 V	72	1	16.67	16.67	ppb	1.14	3600	
52 Cr	72	1	15.71	15.71	ppb	0.78	3600	
55 Mn	72	1	81.42	81.42	ppb	2.17	18000	
59 Co	72	1	3.58	3.58	ppb	1.18	3600	
60 Ni	72	1	12.44	12.44	ppb	1.40	3600	
63 Cu	72	1	7.58	7.58	ppb	0.91	3600	
66 Zn	72	1	129.30	129.30	ppb	1.38	3600	
75 As	72	1	0.77	0.77	ppb	0.92	3600	
78 Se	72	1	1.18	1.18	ppb	5.74	3600	
95 Mo	72	1	0.20	0.20	ppb	5.30	3600	
107 Ag	115	1	0.02	0.02	ppb	13.42	3600	
111 Cd	115	1	0.63	0.63	ppb	6.36	3600	
118 Sn	115	1	0.24	0.24	ppb	7.72	3600	
121 Sb	115	1	0.02	0.02	ppb	5.28	3600	
137 Ba	115	1	32.57	32.57	ppb	0.31	3600	
205 Tl	165	1	0.08	0.08	ppb	3.03	3600	
208 Pb	165	1	6.20	6.20	ppb	1.42	3600	
232 Th	165	1	3.16	3.16	ppb	1.61	1000	
238 U	165	1	0.30	0.30	ppb	1.47	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	577144	3.18	715866	80.6	30 - 120	
45 Sc	1	2934470	0.11	3345645	87.7	30 - 120	
72 Ge	1	1802325	1.17	2000336	90.1	30 - 120	
115 In	1	5764620	0.60	6311330	91.3	30 - 120	
165 Ho	1	11387352	1.36	12325117	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\063_CCV.D\063_CCV.D#
Date Acquired: Apr 2 2012 08:10 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.48	ppb	1.49	50	103.0	90 - 110	
51 V	72	1	52.68	ppb	1.22	50	105.4	90 - 110	
52 Cr	72	1	52.01	ppb	0.96	50	104.0	90 - 110	
55 Mn	72	1	51.50	ppb	0.14	50	103.0	90 - 110	
59 Co	72	1	52.04	ppb	1.18	50	104.1	90 - 110	
60 Ni	72	1	50.06	ppb	0.14	50	100.1	90 - 110	
63 Cu	72	1	52.41	ppb	0.41	50	104.8	90 - 110	
66 Zn	72	1	50.96	ppb	0.30	50	101.9	90 - 110	
75 As	72	1	51.35	ppb	0.55	50	102.7	90 - 110	
78 Se	72	1	51.68	ppb	2.28	50	103.4	90 - 110	
95 Mo	72	1	50.90	ppb	0.18	50	101.8	90 - 110	
107 Ag	115	1	52.31	ppb	1.25	50	104.6	90 - 110	
111 Cd	115	1	50.50	ppb	0.91	50	101.0	90 - 110	
118 Sn	115	1	51.40	ppb	0.23	50	102.8	90 - 110	
121 Sb	115	1	50.48	ppb	0.79	50	101.0	90 - 110	
137 Ba	115	1	52.01	ppb	1.25	50	104.0	90 - 110	
205 Tl	165	1	50.85	ppb	0.39	50	101.7	90 - 110	
208 Pb	165	1	51.72	ppb	0.45	50	103.4	90 - 110	
232 Th	165	1	50.20	ppb	0.40	50	100.4	90 - 110	
238 U	165	1	49.56	ppb	0.27	50	99.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	600320	2.37	715866	83.9	30 - 120	
45 Sc	1	3025608	0.85	3345645	90.4	30 - 120	
72 Ge	1	1882944	0.55	2000336	94.1	30 - 120	
115 In	1	6005066	1.22	6311330	95.1	30 - 120	
165 Ho	1	11676940	0.57	12325117	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\064_CCB.D\064_CCB.D#
Date Acquired: Apr 2 2012 08:13 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.008	ppb	86.60	1.00	
51 V	72	1	0.000	ppb	5587.50	1.00	
52 Cr	72	1	0.011	ppb	20.94	1.00	
55 Mn	72	1	-0.065	ppb	3.77	1.00	
59 Co	72	1	0.007	ppb	22.21	1.00	
60 Ni	72	1	0.014	ppb	57.30	1.00	
63 Cu	72	1	0.022	ppb	42.65	1.00	
66 Zn	72	1	0.144	ppb	14.49	1.00	
75 As	72	1	0.013	ppb	39.25	1.00	
78 Se	72	1	0.072	ppb	106.40	1.00	
95 Mo	72	1	0.030	ppb	40.30	1.00	
107 Ag	115	1	0.012	ppb	23.76	1.00	
111 Cd	115	1	0.006	ppb	93.73	1.00	
118 Sn	115	1	0.066	ppb	5.02	1.00	
121 Sb	115	1	0.046	ppb	5.59	1.00	
137 Ba	115	1	0.039	ppb	4.05	1.00	
205 Tl	165	1	0.029	ppb	12.93	1.00	
208 Pb	165	1	0.084	ppb	2.41	1.00	
232 Th	165	1	0.046	ppb	20.92	1.00	
238 U	165	1	0.008	ppb	2.83	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	585914	1.20	715866	81.8	30 - 120	
45 Sc	1	3066036	1.25	3345645	91.6	30 - 120	
72 Ge	1	1877550	0.46	2000336	93.9	30 - 120	
115 In	1	6044177	0.27	6311330	95.8	30 - 120	
165 Ho	1	11704501	0.28	12325117	95.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\065WASH.D\065WASH.D#
Date Acquired: Apr 2 2012 08:16 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.975 ppb	6.58	1.30	
51 V	72	1	5.363 ppb	0.89	6.50	
52 Cr	72	1	2.091 ppb	1.67	2.60	
55 Mn	72	1	1.059 ppb	1.62	1.30	
59 Co	72	1	1.052 ppb	2.87	1.30	
60 Ni	72	1	2.016 ppb	0.14	2.60	
63 Cu	72	1	2.188 ppb	1.52	2.60	
66 Zn	72	1	10.710 ppb	0.34	13.00	
75 As	72	1	5.172 ppb	1.54	6.50	
78 Se	72	1	5.366 ppb	5.11	6.50	
95 Mo	72	1	2.070 ppb	2.55	2.60	
107 Ag	115	1	5.168 ppb	1.25	6.50	
111 Cd	115	1	1.053 ppb	1.90	1.30	
118 Sn	115	1	10.140 ppb	1.17	13.00	
121 Sb	115	1	2.037 ppb	2.03	2.60	
137 Ba	115	1	1.133 ppb	0.97	1.30	
205 Tl	165	1	1.068 ppb	0.79	1.30	
208 Pb	165	1	1.093 ppb	0.59	1.30	
232 Th	165	1	2.064 ppb	2.36	2.60	
238 U	165	1	1.012 ppb	0.97	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	614442	1.01	715866	85.8	30 - 120	
45 Sc	1	3093893	0.66	3345645	92.5	30 - 120	
72 Ge	1	1909252	1.23	2000336	95.4	30 - 120	
115 In	1	6084453	1.28	6311330	96.4	30 - 120	
165 Ho	1	11718271	0.85	12325117	95.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\066AREF.D\066AREF.D#
Date Acquired: Apr 2 2012 08:19 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d
Misc Info: 20X
Vial Number: 2311
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: AllRef
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	11.68	0.58	ppb	13.23	3600	
52 Cr	72	1	171.98	8.60	ppb	0.42	3600	
55 Mn	72	1	2,702.00	135.10	ppb	1.08	18000	
59 Co	72	1	49.18	2.46	ppb	0.58	3600	
60 Ni	72	1	267.40	13.37	ppb	0.87	3600	
63 Cu	72	1	486.80	24.34	ppb	0.40	3600	
66 Zn	72	1	5,544.00	277.20	ppb	0.18	3600	
75 As	72	1	56.36	2.82	ppb	1.57	3600	
78 Se	72	1	5.07	0.25	ppb	35.91	3600	
95 Mo	72	1	8.42	0.42	ppb	2.85	3600	
107 Ag	115	1	1.42	0.07	ppb	4.65	3600	
111 Cd	115	1	6.95	0.35	ppb	4.36	3600	
118 Sn	115	1	254.20	12.71	ppb	0.35	3600	
121 Sb	115	1	8.96	0.45	ppb	1.95	3600	
137 Ba	115	1	5,106.00	255.30	ppb	1.26	3600	
205 Tl	165	1	0.24	0.01	ppb	1.63	3600	
208 Pb	165	1	1,185.60	59.28	ppb	0.75	3600	
232 Th	165	1	0.94	0.05	ppb	3.81	1000	
238 U	165	1	0.20	0.01	ppb	7.32	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	609476	1.95	715866	85.1	30 - 120	
45 Sc	1	3147481	1.06	3345645	94.1	30 - 120	
72 Ge	1	1943999	0.07	2000336	97.2	30 - 120	
115 In	1	6112043	0.41	6311330	96.8	30 - 120	
165 Ho	1	11875894	1.29	12325117	96.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\067SDIL.D\067SDIL.D#
Date Acquired: Apr 2 2012 08:22 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d SD@100
Misc Info: SERIAL DILUTION
Vial Number: 2312
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SDIL
Dilution Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\066AREF.D\066AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.01	ppb	86.60	0.00	#DIV/0!	90 - 110	
51 V	72	1	0.10	ppb	23.26	0.12	84.7	90 - 110	
52 Cr	72	1	1.63	ppb	2.24	1.72	94.9	90 - 110	
55 Mn	72	1	26.56	ppb	1.84	27.02	98.3	90 - 110	
59 Co	72	1	0.46	ppb	1.21	0.49	94.1	90 - 110	
60 Ni	72	1	6.91	ppb	1.48	2.67	258.2	90 - 110	
63 Cu	72	1	4.75	ppb	0.44	4.87	97.5	90 - 110	
66 Zn	72	1	53.10	ppb	0.72	55.44	95.8	90 - 110	
75 As	72	1	0.56	ppb	2.24	0.56	98.5	90 - 110	
78 Se	72	1	0.23	ppb	84.45	0.05	456.4	90 - 110	
95 Mo	72	1	0.09	ppb	3.83	0.08	111.5	90 - 110	
107 Ag	115	1	0.02	ppb	0.32	0.01	110.4	90 - 110	
111 Cd	115	1	0.08	ppb	23.53	0.07	108.2	90 - 110	
118 Sn	115	1	2.49	ppb	1.36	2.54	98.1	90 - 110	
121 Sb	115	1	0.09	ppb	8.20	0.09	103.7	90 - 110	
137 Ba	115	1	48.10	ppb	0.59	51.06	94.2	90 - 110	
205 Tl	165	1	0.00	ppb	11.51	0.00	196.7	90 - 110	
208 Pb	165	1	11.45	ppb	0.21	11.86	96.6	90 - 110	
232 Th	165	1	0.01	ppb	12.28	0.01	113.2	90 - 110	
238 U	165	1	0.00	ppb	14.99	0.00	132.1	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	613948	1.08	715866	85.8	30 - 120	
45 Sc	1	3196604	0.99	3345645	95.5	30 - 120	
72 Ge	1	1980024	1.03	2000336	99.0	30 - 120	
115 In	1	6242695	1.13	6311330	98.9	30 - 120	
165 Ho	1	11982140	0.86	12325117	97.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\068PDS.D\068PDS.D#
Date Acquired: Apr 2 2012 08:25 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2401
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: PDS
Prep Dil. Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	201.00	0.00	ppb	1.36	200	100.5	75 - 125	
51 V	72	1	190.20	0.58	ppb	0.63	200	94.8	75 - 125	
52 Cr	72	1	198.50	8.60	ppb	0.22	200	95.2	75 - 125	
55 Mn	72	1	317.10	135.10	ppb	0.94	200	94.6	75 - 125	
59 Co	72	1	194.50	2.46	ppb	0.44	200	96.1	75 - 125	
60 Ni	72	1	205.30	13.37	ppb	0.26	200	96.2	75 - 125	
63 Cu	72	1	212.60	24.34	ppb	0.78	200	94.8	75 - 125	
66 Zn	72	1	460.90	277.20	ppb	0.77	200	96.6	75 - 125	
75 As	72	1	197.70	2.82	ppb	0.37	200	97.5	75 - 125	
78 Se	72	1	189.20	0.25	ppb	0.57	200	94.5	75 - 125	
95 Mo	72	1	191.40	0.42	ppb	0.55	200	95.5	75 - 125	
107 Ag	115	1	49.74	0.07	ppb	1.95	50	99.3	75 - 125	
111 Cd	115	1	199.60	0.35	ppb	2.25	200	99.6	75 - 125	
118 Sn	115	1	202.40	12.71	ppb	1.34	200	95.2	75 - 125	
121 Sb	115	1	193.90	0.45	ppb	1.43	200	96.7	75 - 125	
137 Ba	115	1	441.50	255.30	ppb	0.86	200	97.0	75 - 125	
205 Tl	165	1	193.60	0.01	ppb	1.09	200	96.8	75 - 125	
208 Pb	165	1	245.50	59.28	ppb	0.67	200	94.7	75 - 125	
232 Th	165	1	0.04	0.05	ppb	4.91	200	0.0	75 - 125	
238 U	165	1	183.80	0.01	ppb	1.07	200	91.9	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	600470	1.86	715866	83.9	30 - 120	
45 Sc	1	3051888	0.93	3345645	91.2	30 - 120	
72 Ge	1	1903900	0.40	2000336	95.2	30 - 120	
115 In	1	5996251	1.73	6311330	95.0	30 - 120	
165 Ho	1	11649420	0.92	12325117	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\069_MS.D\069_MS.D#
Date Acquired: Apr 2 2012 08:27 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-e ms
Misc Info: MATRIX SPIKE
Vial Number: 2402
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MS
Prep Dil. Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	2.05	0.00	ppb	8.75	40	5.1	50 - 150	
51 V	72	1	3.25	0.58	ppb	4.41	40	8.0	50 - 150	
52 Cr	72	1	9.39	8.60	ppb	2.86	40	19.3	50 - 150	
55 Mn	72	1	142.20	135.10	ppb	2.07	40	81.2	50 - 150	
59 Co	72	1	4.11	2.46	ppb	2.58	40	9.7	50 - 150	
60 Ni	72	1	10.81	13.37	ppb	1.06	40	20.3	50 - 150	
63 Cu	72	1	21.22	24.34	ppb	1.45	40	33.0	50 - 150	
66 Zn	72	1	264.30	277.20	ppb	1.51	40	83.3	50 - 150	
75 As	72	1	5.17	2.82	ppb	2.25	40	12.1	50 - 150	
78 Se	72	1	2.09	0.25	ppb	13.67	40	5.2	50 - 150	
95 Mo	72	1	2.37	0.42	ppb	2.65	40	5.9	50 - 150	
107 Ag	115	1	2.00	0.07	ppb	1.08	40	5.0	50 - 150	
111 Cd	115	1	2.43	0.35	ppb	2.32	40	6.0	50 - 150	
118 Sn	115	1	26.14	12.71	ppb	0.70	40	49.6	50 - 150	
121 Sb	115	1	1.34	0.45	ppb	0.66	40	3.3	50 - 150	
137 Ba	115	1	262.90	255.30	ppb	0.52	40	89.0	50 - 150	
205 Tl	165	1	2.04	0.01	ppb	1.15	40	5.1	50 - 150	
208 Pb	165	1	108.10	59.28	ppb	1.02	40	108.9	50 - 150	
232 Th	165	1	1.96	0.05	ppb	2.69	40	4.9	50 - 150	
238 U	165	1	1.92	0.01	ppb	2.00	40	4.8	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	599127	2.54	715866	83.7	30 - 120	
45 Sc	1	3088326	0.23	3345645	92.3	30 - 120	
72 Ge	1	1929589	1.54	2000336	96.5	30 - 120	
115 In	1	6010838	0.85	6311330	95.2	30 - 120	
165 Ho	1	11741399	0.92	12325117	95.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\070_MSD.D\070_MSD.D#
Date Acquired: Apr 2 2012 08:30 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-f msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2403
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MSD
Dilution Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\069_MS.D\069_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	2.09	ppb	3.44	2.05	1.94	20	
51 V	72	1	3.09	ppb	0.67	3.25	5.12	20	
52 Cr	72	1	7.42	ppb	1.81	9.39	23.47	20	
55 Mn	72	1	146.40	ppb	0.45	142.20	2.91	20	
59 Co	72	1	4.12	ppb	1.26	4.11	0.15	20	
60 Ni	72	1	9.43	ppb	0.94	10.81	13.63	20	
63 Cu	72	1	25.59	ppb	0.89	21.22	18.67	20	
66 Zn	72	1	162.20	ppb	0.97	264.30	47.88	20	
75 As	72	1	5.68	ppb	1.20	5.17	9.44	20	
78 Se	72	1	1.85	ppb	7.41	2.09	12.12	20	
95 Mo	72	1	2.59	ppb	4.40	2.37	8.99	20	
107 Ag	115	1	2.04	ppb	0.77	2.00	2.03	20	
111 Cd	115	1	2.29	ppb	1.44	2.43	6.15	20	
118 Sn	115	1	35.34	ppb	0.74	26.14	29.93	20	
121 Sb	115	1	1.19	ppb	1.52	1.34	11.87	20	
137 Ba	115	1	67.64	ppb	1.34	262.90	118.15	20	
205 Tl	165	1	2.06	ppb	1.74	2.04	0.73	20	
208 Pb	165	1	63.15	ppb	0.26	108.10	52.50	20	
232 Th	165	1	2.03	ppb	2.19	1.96	3.21	20	
238 U	165	1	1.99	ppb	0.39	1.92	3.63	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	608820	1.36	715866	85.0	30 - 120	
45 Sc	1	3112851	0.53	3345645	93.0	30 - 120	
72 Ge	1	1921439	0.52	2000336	96.1	30 - 120	
115 In	1	6047536	0.78	6311330	95.8	30 - 120	
165 Ho	1	11647707	0.44	12325117	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\071SMPL.D\071SMPL.D#
Date Acquired: Apr 2 2012 08:33 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-5-b
Misc Info: 20X
Vial Number: 2407
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.55	0.03	ppb	25.62	3600	
51 V	72	1	8.51	0.43	ppb	10.04	3600	
52 Cr	72	1	51.18	2.56	ppb	1.36	3600	
55 Mn	72	1	498.00	24.90	ppb	1.20	18000	
59 Co	72	1	7.94	0.40	ppb	2.50	3600	
60 Ni	72	1	29.62	1.48	ppb	0.59	3600	
63 Cu	72	1	99.14	4.96	ppb	1.03	3600	
66 Zn	72	1	154.84	7.74	ppb	0.68	3600	
75 As	72	1	22.18	1.11	ppb	2.83	3600	
78 Se	72	1	3.44	0.17	ppb	84.63	3600	
95 Mo	72	1	4.84	0.24	ppb	5.90	3600	
107 Ag	115	1	0.42	0.02	ppb	18.06	3600	
111 Cd	115	1	-0.18	-0.01	ppb	132.83	3600	
118 Sn	115	1	15.68	0.78	ppb	3.09	3600	
121 Sb	115	1	1.20	0.06	ppb	7.56	3600	
137 Ba	115	1	652.60	32.63	ppb	0.61	3600	
205 Tl	165	1	0.43	0.02	ppb	11.54	3600	
208 Pb	165	1	6,532.00	326.60	ppb	1.77	3600	
232 Th	165	1	1.33	0.07	ppb	0.93	1000	
238 U	165	1	0.33	0.02	ppb	4.15	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	615045	1.70	715866	85.9	30 - 120	
45 Sc	1	3194854	1.68	3345645	95.5	30 - 120	
72 Ge	1	1942215	0.28	2000336	97.1	30 - 120	
115 In	1	6124908	0.93	6311330	97.0	30 - 120	
165 Ho	1	11882479	1.88	12325117	96.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\072SMPL.D\072SMPL.D#
Date Acquired: Apr 2 2012 08:36 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-6-b
Misc Info:
Vial Number: 2408
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.22	0.22	ppb	21.30	3600	
51 V	72	1	9.39	9.39	ppb	1.49	3600	
52 Cr	72	1	9.17	9.17	ppb	1.12	3600	
55 Mn	72	1	72.54	72.54	ppb	1.48	18000	
59 Co	72	1	2.32	2.32	ppb	0.71	3600	
60 Ni	72	1	6.81	6.81	ppb	0.97	3600	
63 Cu	72	1	10.20	10.20	ppb	0.44	3600	
66 Zn	72	1	40.33	40.33	ppb	0.98	3600	
75 As	72	1	1.68	1.68	ppb	1.30	3600	
78 Se	72	1	0.84	0.84	ppb	5.10	3600	
95 Mo	72	1	0.19	0.19	ppb	3.64	3600	
107 Ag	115	1	0.02	0.02	ppb	4.29	3600	
111 Cd	115	1	0.54	0.54	ppb	1.87	3600	
118 Sn	115	1	0.44	0.44	ppb	3.95	3600	
121 Sb	115	1	0.05	0.05	ppb	6.00	3600	
137 Ba	115	1	35.04	35.04	ppb	0.24	3600	
205 Tl	165	1	0.08	0.08	ppb	4.98	3600	
208 Pb	165	1	155.00	155.00	ppb	0.51	3600	
232 Th	165	1	1.89	1.89	ppb	0.82	1000	
238 U	165	1	0.22	0.22	ppb	1.88	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	598418	3.99	715866	83.6	30 - 120	
45 Sc	1	3114893	0.66	3345645	93.1	30 - 120	
72 Ge	1	1889046	0.43	2000336	94.4	30 - 120	
115 In	1	5995645	0.64	6311330	95.0	30 - 120	
165 Ho	1	11643429	0.35	12325117	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\073_CCV.D\073_CCV.D#
Date Acquired: Apr 2 2012 08:39 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.72	ppb	3.16	50	105.4	90 - 110	
51 V	72	1	52.50	ppb	1.21	50	105.0	90 - 110	
52 Cr	72	1	51.89	ppb	1.12	50	103.8	90 - 110	
55 Mn	72	1	51.74	ppb	2.90	50	103.5	90 - 110	
59 Co	72	1	52.45	ppb	1.21	50	104.9	90 - 110	
60 Ni	72	1	50.10	ppb	1.03	50	100.2	90 - 110	
63 Cu	72	1	52.44	ppb	0.55	50	104.9	90 - 110	
66 Zn	72	1	50.83	ppb	0.78	50	101.7	90 - 110	
75 As	72	1	51.55	ppb	1.57	50	103.1	90 - 110	
78 Se	72	1	52.32	ppb	4.01	50	104.6	90 - 110	
95 Mo	72	1	50.97	ppb	1.07	50	101.9	90 - 110	
107 Ag	115	1	51.16	ppb	0.11	50	102.3	90 - 110	
111 Cd	115	1	49.71	ppb	0.29	50	99.4	90 - 110	
118 Sn	115	1	49.85	ppb	1.20	50	99.7	90 - 110	
121 Sb	115	1	49.96	ppb	0.48	50	99.9	90 - 110	
137 Ba	115	1	51.07	ppb	0.70	50	102.1	90 - 110	
205 Tl	165	1	50.78	ppb	0.02	50	101.6	90 - 110	
208 Pb	165	1	50.88	ppb	0.68	50	101.8	90 - 110	
232 Th	165	1	49.88	ppb	0.47	50	99.8	90 - 110	
238 U	165	1	48.83	ppb	1.51	50	97.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	597834	3.76	715866	83.5	30 - 120	
45 Sc	1	3099709	0.46	3345645	92.6	30 - 120	
72 Ge	1	1891406	1.04	2000336	94.6	30 - 120	
115 In	1	6113046	0.49	6311330	96.9	30 - 120	
165 Ho	1	11760540	0.87	12325117	95.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\074_CCB.D\074_CCB.D#
Date Acquired: Apr 2 2012 08:42 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.024	ppb	49.79	1.00	
51 V	72	1	0.008	ppb	217.72	1.00	
52 Cr	72	1	0.017	ppb	34.75	1.00	
55 Mn	72	1	-0.008	ppb	126.49	1.00	
59 Co	72	1	0.008	ppb	32.10	1.00	
60 Ni	72	1	0.013	ppb	31.30	1.00	
63 Cu	72	1	0.015	ppb	30.66	1.00	
66 Zn	72	1	0.112	ppb	5.23	1.00	
75 As	72	1	0.017	ppb	37.83	1.00	
78 Se	72	1	0.056	ppb	175.61	1.00	
95 Mo	72	1	0.015	ppb	15.73	1.00	
107 Ag	115	1	0.013	ppb	8.17	1.00	
111 Cd	115	1	0.008	ppb	57.17	1.00	
118 Sn	115	1	0.052	ppb	12.17	1.00	
121 Sb	115	1	0.046	ppb	10.66	1.00	
137 Ba	115	1	0.029	ppb	7.05	1.00	
205 Tl	165	1	0.029	ppb	14.15	1.00	
208 Pb	165	1	0.053	ppb	3.46	1.00	
232 Th	165	1	0.045	ppb	24.29	1.00	
238 U	165	1	0.008	ppb	15.72	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	593827	0.82	715866	83.0	30 - 120	
45 Sc	1	3090402	1.82	3345645	92.4	30 - 120	
72 Ge	1	1911193	0.28	2000336	95.5	30 - 120	
115 In	1	6020277	0.85	6311330	95.4	30 - 120	
165 Ho	1	11687344	0.24	12325117	94.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\075WASH.D\075WASH.D#
Date Acquired: Apr 2 2012 08:44 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.940 ppb	16.28	1.30	
51 V	72	1	5.437 ppb	0.38	6.50	
52 Cr	72	1	2.103 ppb	1.60	2.60	
55 Mn	72	1	1.066 ppb	2.50	1.30	
59 Co	72	1	1.046 ppb	1.42	1.30	
60 Ni	72	1	2.042 ppb	3.61	2.60	
63 Cu	72	1	2.187 ppb	0.80	2.60	
66 Zn	72	1	10.760 ppb	0.79	13.00	
75 As	72	1	5.146 ppb	0.43	6.50	
78 Se	72	1	5.466 ppb	7.95	6.50	
95 Mo	72	1	2.065 ppb	1.96	2.60	
107 Ag	115	1	5.152 ppb	1.30	6.50	
111 Cd	115	1	1.074 ppb	0.89	1.30	
118 Sn	115	1	10.200 ppb	0.62	13.00	
121 Sb	115	1	2.071 ppb	1.54	2.60	
137 Ba	115	1	1.128 ppb	1.57	1.30	
205 Tl	165	1	1.063 ppb	1.50	1.30	
208 Pb	165	1	1.076 ppb	0.45	1.30	
232 Th	165	1	2.060 ppb	1.01	2.60	
238 U	165	1	1.002 ppb	1.79	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	601552	1.52	715866	84.0	30 - 120	
45 Sc	1	3079869	1.36	3345645	92.1	30 - 120	
72 Ge	1	1896823	1.23	2000336	94.8	30 - 120	
115 In	1	6006851	0.38	6311330	95.2	30 - 120	
165 Ho	1	11715825	1.20	12325117	95.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\076_BLK.D\076_BLK.D#
Date Acquired: Apr 2 2012 08:47 pm
Operator: TEL
Sample Name: mb 280-113634/1-b
Misc Info: BLANK 113653 200.8
Vial Number: 2511
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.008 ppb	173.22	2.00	
51 V	72	1	-0.326 ppb	19.95	2.00	
52 Cr	72	1	0.040 ppb	11.94	2.00	
55 Mn	72	1	-0.056 ppb	16.72	2.00	
59 Co	72	1	0.001 ppb	203.97	2.00	
60 Ni	72	1	0.040 ppb	21.76	2.00	
63 Cu	72	1	0.078 ppb	2.17	2.00	
66 Zn	72	1	1.525 ppb	0.19	2.00	
75 As	72	1	0.152 ppb	6.24	2.00	
78 Se	72	1	0.077 ppb	328.83	2.00	
95 Mo	72	1	0.058 ppb	19.28	2.00	
107 Ag	115	1	0.007 ppb	28.58	2.00	
111 Cd	115	1	-0.010 ppb	54.90	2.00	
118 Sn	115	1	0.133 ppb	5.63	2.00	
121 Sb	115	1	0.027 ppb	6.88	2.00	
137 Ba	115	1	0.042 ppb	4.36	2.00	
205 Tl	165	1	0.061 ppb	36.96	2.00	
208 Pb	165	1	0.145 ppb	14.02	2.00	
232 Th	165	1	0.008 ppb	23.00	2.00	
238 U	165	1	0.004 ppb	34.92	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	594527	1.91	715866	83.1	30 - 120	
45 Sc	1	2950913	2.05	3345645	88.2	30 - 120	
72 Ge	1	1836836	1.38	2000336	91.8	30 - 120	
115 In	1	5914693	1.41	6311330	93.7	30 - 120	
165 Ho	1	11588206	1.36	12325117	94.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\077_LCS.D\077_LCS.D#
Date Acquired: Apr 2 2012 08:50 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113634/2-b
Misc Info: LCS
Vial Number: 2512
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	34.16	3.81	40	85.4	80 - 120	
51 V	72	1	32.50	1.70	40	81.3	80 - 120	
52 Cr	72	1	33.16	0.90	40	82.9	80 - 120	
55 Mn	72	1	32.29	2.04	40	80.7	80 - 120	
59 Co	72	1	32.86	0.61	40	82.2	80 - 120	
60 Ni	72	1	31.40	0.67	40	78.5	80 - 120	
63 Cu	72	1	32.55	1.26	40	81.4	80 - 120	
66 Zn	72	1	34.92	0.20	40	87.3	80 - 120	
75 As	72	1	33.54	0.45	40	83.9	80 - 120	
78 Se	72	1	34.58	1.97	40	86.5	80 - 120	
95 Mo	72	1	32.78	0.97	40	82.0	80 - 120	
107 Ag	115	1	34.07	1.37	40	85.2	80 - 120	
111 Cd	115	1	32.82	1.33	40	82.1	80 - 120	
118 Sn	115	1	32.16	1.20	40	80.4	80 - 120	
121 Sb	115	1	33.21	0.58	40	83.0	80 - 120	
137 Ba	115	1	33.23	0.59	40	83.1	80 - 120	
205 Tl	165	1	33.40	0.47	40	83.5	80 - 120	
208 Pb	165	1	33.21	1.14	40	83.0	80 - 120	
232 Th	165	1	32.78	2.14	40	82.0	80 - 120	
238 U	165	1	32.62	1.53	40	81.6	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	564863	3.38	715866	78.9	30 - 120	
45 Sc	1	2796491	1.09	3345645	83.6	30 - 120	
72 Ge	1	1753834	1.21	2000336	87.7	30 - 120	
115 In	1	5675458	0.67	6311330	89.9	30 - 120	
165 Ho	1	11293004	0.78	12325117	91.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\078AREF.D\078AREF.D#
Date Acquired: Apr 2 2012 08:53 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-h-1-b
Misc Info:
Vial Number: 3101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	86.74	3600	
51 V	72	1	2.15	2.15	ppb	2.21	3600	
52 Cr	72	1	0.20	0.20	ppb	6.02	3600	
55 Mn	72	1	1.14	1.14	ppb	5.21	18000	
59 Co	72	1	0.13	0.13	ppb	5.62	3600	
60 Ni	72	1	4.03	4.03	ppb	3.26	3600	
63 Cu	72	1	2.71	2.71	ppb	0.95	3600	
66 Zn	72	1	9.64	9.64	ppb	1.48	3600	
75 As	72	1	17.38	17.38	ppb	0.28	3600	
78 Se	72	1	6.12	6.12	ppb	6.79	3600	
95 Mo	72	1	247.80	247.80	ppb	1.01	3600	
107 Ag	115	1	0.01	0.01	ppb	8.53	3600	
111 Cd	115	1	0.02	0.02	ppb	196.56	3600	
118 Sn	115	1	0.10	0.10	ppb	12.38	3600	
121 Sb	115	1	1.41	1.41	ppb	1.69	3600	
137 Ba	115	1	21.15	21.15	ppb	0.51	3600	
205 Tl	165	1	0.05	0.05	ppb	7.75	3600	
208 Pb	165	1	0.13	0.13	ppb	6.32	3600	
232 Th	165	1	0.07	0.07	ppb	32.36	1000	
238 U	165	1	3.37	3.37	ppb	0.89	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465554	3.10	715866	65.0	30 - 120	
45 Sc	1	2231425	1.94	3345645	66.7	30 - 120	
72 Ge	1	1317726	1.93	2000336	65.9	30 - 120	
115 In	1	4355392	1.90	6311330	69.0	30 - 120	
165 Ho	1	9388623	1.34	12325117	76.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\079_MS.D\079_MS.D#
Date Acquired: Apr 2 2012 08:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-h-1-c ms
Misc Info: MATRIX SPIKE
Vial Number: 3102
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	33.03	0.03	ppb	4.75	40	82.5	50 - 150	
51 V	72	1	38.17	2.15	ppb	1.59	40	90.6	50 - 150	
52 Cr	72	1	34.35	0.20	ppb	1.15	40	85.5	50 - 150	
55 Mn	72	1	33.48	1.14	ppb	0.74	40	81.4	50 - 150	
59 Co	72	1	33.88	0.13	ppb	1.00	40	84.4	50 - 150	
60 Ni	72	1	34.62	4.03	ppb	0.66	40	78.6	50 - 150	
63 Cu	72	1	33.73	2.71	ppb	0.62	40	79.0	50 - 150	
66 Zn	72	1	42.02	9.64	ppb	0.28	40	84.6	50 - 150	
75 As	72	1	52.82	17.38	ppb	0.14	40	92.1	50 - 150	
78 Se	72	1	46.00	6.12	ppb	1.71	40	99.7	50 - 150	
95 Mo	72	1	274.30	247.80	ppb	0.40	40	95.3	50 - 150	
107 Ag	115	1	29.92	0.01	ppb	1.49	40	74.8	50 - 150	
111 Cd	115	1	32.30	0.02	ppb	0.93	40	80.7	50 - 150	
118 Sn	115	1	33.46	0.10	ppb	1.24	40	83.4	50 - 150	
121 Sb	115	1	36.09	1.41	ppb	0.44	40	87.2	50 - 150	
137 Ba	115	1	55.11	21.15	ppb	0.87	40	90.1	50 - 150	
205 Tl	165	1	32.36	0.05	ppb	0.98	40	80.8	50 - 150	
208 Pb	165	1	31.45	0.13	ppb	0.29	40	78.4	50 - 150	
232 Th	165	1	36.19	0.07	ppb	1.21	40	90.3	50 - 150	
238 U	165	1	38.00	3.37	ppb	1.20	40	87.6	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	534232	2.37	715866	74.6	30 - 120	
45 Sc	1	2393688	1.92	3345645	71.5	30 - 120	
72 Ge	1	1410490	1.21	2000336	70.5	30 - 120	
115 In	1	4609180	0.98	6311330	73.0	30 - 120	
165 Ho	1	9885272	0.61	12325117	80.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\080_MSD.D\080_MSD.D#
Date Acquired: Apr 2 2012 08:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-h-1-d msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\079_MS.D\079_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	31.74	ppb	1.55	33.03	3.98	20	
51 V	72	1	39.47	ppb	2.10	38.17	3.35	20	
52 Cr	72	1	35.14	ppb	2.42	34.35	2.27	20	
55 Mn	72	1	33.81	ppb	1.57	33.48	0.98	20	
59 Co	72	1	33.93	ppb	2.47	33.88	0.15	20	
60 Ni	72	1	34.56	ppb	1.47	34.62	0.17	20	
63 Cu	72	1	33.90	ppb	2.71	33.73	0.50	20	
66 Zn	72	1	41.74	ppb	2.00	42.02	0.67	20	
75 As	72	1	52.77	ppb	1.48	52.82	0.09	20	
78 Se	72	1	45.04	ppb	3.82	46.00	2.11	20	
95 Mo	72	1	273.50	ppb	2.16	274.30	0.29	20	
107 Ag	115	1	30.11	ppb	0.44	29.92	0.63	20	
111 Cd	115	1	32.32	ppb	1.18	32.30	0.06	20	
118 Sn	115	1	33.54	ppb	0.53	33.46	0.24	20	
121 Sb	115	1	36.01	ppb	0.41	36.09	0.22	20	
137 Ba	115	1	54.92	ppb	0.51	55.11	0.35	20	
205 Tl	165	1	32.26	ppb	0.38	32.36	0.31	20	
208 Pb	165	1	31.10	ppb	0.89	31.45	1.12	20	
232 Th	165	1	35.95	ppb	0.18	36.19	0.67	20	
238 U	165	1	37.17	ppb	1.17	38.00	2.21	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	590429	2.11	715866	82.5	30 - 120	
45 Sc	1	2520170	1.18	3345645	75.3	30 - 120	
72 Ge	1	1482864	2.87	2000336	74.1	30 - 120	
115 In	1	4793666	0.78	6311330	76.0	30 - 120	
165 Ho	1	10203981	1.00	12325117	82.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\081SMPL.D\081SMPL.D#
Date Acquired: Apr 2 2012 09:02 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-1-b
Misc Info:
Vial Number: 3104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.09	0.09	ppb	43.98	3600	
51 V	72	1	18.86	18.86	ppb	0.78	3600	
52 Cr	72	1	1.36	1.36	ppb	1.24	3600	
55 Mn	72	1	66.09	66.09	ppb	1.00	18000	
59 Co	72	1	0.81	0.81	ppb	1.64	3600	
60 Ni	72	1	3.92	3.92	ppb	1.21	3600	
63 Cu	72	1	110.70	110.70	ppb	0.44	3600	
66 Zn	72	1	149.10	149.10	ppb	0.79	3600	
75 As	72	1	1.51	1.51	ppb	1.79	3600	
78 Se	72	1	4.35	4.35	ppb	10.83	3600	
95 Mo	72	1	3.93	3.93	ppb	1.41	3600	
107 Ag	115	1	0.05	0.05	ppb	4.66	3600	
111 Cd	115	1	0.06	0.06	ppb	17.84	3600	
118 Sn	115	1	0.61	0.61	ppb	3.82	3600	
121 Sb	115	1	0.35	0.35	ppb	1.76	3600	
137 Ba	115	1	95.31	95.31	ppb	0.36	3600	
205 Tl	165	1	0.04	0.04	ppb	11.88	3600	
208 Pb	165	1	0.85	0.85	ppb	1.13	3600	
232 Th	165	1	0.06	0.06	ppb	17.71	1000	
238 U	165	1	17.14	17.14	ppb	1.62	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	589239	1.19	715866	82.3	30 - 120	
45 Sc	1	2685597	1.44	3345645	80.3	30 - 120	
72 Ge	1	1601433	1.13	2000336	80.1	30 - 120	
115 In	1	5121011	0.61	6311330	81.1	30 - 120	
165 Ho	1	10687454	0.82	12325117	86.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\082SMPL.D\082SMPL.D#
Date Acquired: Apr 2 2012 09:05 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-2-b
Misc Info:
Vial Number: 3105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	86.67	3600	
51 V	72	1	0.18	0.18	ppb	2.06	3600	
52 Cr	72	1	0.54	0.54	ppb	2.61	3600	
55 Mn	72	1	17.42	17.42	ppb	0.75	18000	
59 Co	72	1	0.37	0.37	ppb	1.34	3600	
60 Ni	72	1	2.81	2.81	ppb	0.87	3600	
63 Cu	72	1	95.98	95.98	ppb	0.85	3600	
66 Zn	72	1	112.40	112.40	ppb	0.19	3600	
75 As	72	1	0.62	0.62	ppb	5.73	3600	
78 Se	72	1	5.94	5.94	ppb	6.79	3600	
95 Mo	72	1	2.56	2.56	ppb	1.10	3600	
107 Ag	115	1	0.01	0.01	ppb	17.61	3600	
111 Cd	115	1	0.02	0.02	ppb	48.20	3600	
118 Sn	115	1	0.73	0.73	ppb	1.59	3600	
121 Sb	115	1	0.22	0.22	ppb	3.37	3600	
137 Ba	115	1	89.64	89.64	ppb	0.21	3600	
205 Tl	165	1	0.01	0.01	ppb	8.54	3600	
208 Pb	165	1	0.53	0.53	ppb	0.50	3600	
232 Th	165	1	0.02	0.02	ppb	6.69	1000	
238 U	165	1	1.96	1.96	ppb	0.72	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	602169	2.27	715866	84.1	30 - 120	
45 Sc	1	2723271	0.50	3345645	81.4	30 - 120	
72 Ge	1	1626002	0.45	2000336	81.3	30 - 120	
115 In	1	5191910	0.44	6311330	82.3	30 - 120	
165 Ho	1	10819175	0.43	12325117	87.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\083_CCV.D\083_CCV.D#
Date Acquired: Apr 2 2012 09:08 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.07	ppb	0.70	50	104.1	90 - 110	
51 V	72	1	52.07	ppb	0.72	50	104.1	90 - 110	
52 Cr	72	1	51.91	ppb	1.52	50	103.8	90 - 110	
55 Mn	72	1	51.49	ppb	1.28	50	103.0	90 - 110	
59 Co	72	1	52.14	ppb	0.49	50	104.3	90 - 110	
60 Ni	72	1	49.55	ppb	0.38	50	99.1	90 - 110	
63 Cu	72	1	51.81	ppb	0.35	50	103.6	90 - 110	
66 Zn	72	1	50.81	ppb	0.24	50	101.6	90 - 110	
75 As	72	1	51.02	ppb	0.54	50	102.0	90 - 110	
78 Se	72	1	52.21	ppb	2.19	50	104.4	90 - 110	
95 Mo	72	1	50.81	ppb	0.82	50	101.6	90 - 110	
107 Ag	115	1	51.68	ppb	1.77	50	103.4	90 - 110	
111 Cd	115	1	50.24	ppb	0.97	50	100.5	90 - 110	
118 Sn	115	1	50.45	ppb	0.78	50	100.9	90 - 110	
121 Sb	115	1	50.75	ppb	0.63	50	101.5	90 - 110	
137 Ba	115	1	52.10	ppb	0.76	50	104.2	90 - 110	
205 Tl	165	1	51.83	ppb	1.12	50	103.7	90 - 110	
208 Pb	165	1	52.52	ppb	1.58	50	105.0	90 - 110	
232 Th	165	1	51.09	ppb	0.34	50	102.2	90 - 110	
238 U	165	1	50.11	ppb	1.35	50	100.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	609989	0.89	715866	85.2	30 - 120	
45 Sc	1	2888960	0.58	3345645	86.3	30 - 120	
72 Ge	1	1793638	0.41	2000336	89.7	30 - 120	
115 In	1	5767973	0.73	6311330	91.4	30 - 120	
165 Ho	1	11220769	0.99	12325117	91.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\084_CCB.D\084_CCB.D#
Date Acquired: Apr 2 2012 09:10 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.012	ppb	2.86	1.00	
51 V	72	1	-0.005	ppb	215.14	1.00	
52 Cr	72	1	0.019	ppb	15.29	1.00	
55 Mn	72	1	0.047	ppb	18.91	1.00	
59 Co	72	1	0.009	ppb	15.65	1.00	
60 Ni	72	1	0.019	ppb	20.58	1.00	
63 Cu	72	1	0.026	ppb	24.33	1.00	
66 Zn	72	1	0.151	ppb	3.17	1.00	
75 As	72	1	0.019	ppb	49.26	1.00	
78 Se	72	1	0.147	ppb	7.37	1.00	
95 Mo	72	1	0.062	ppb	14.93	1.00	
107 Ag	115	1	0.012	ppb	32.95	1.00	
111 Cd	115	1	0.014	ppb	52.75	1.00	
118 Sn	115	1	0.055	ppb	19.44	1.00	
121 Sb	115	1	0.047	ppb	6.05	1.00	
137 Ba	115	1	0.055	ppb	12.81	1.00	
205 Tl	165	1	0.029	ppb	4.47	1.00	
208 Pb	165	1	0.061	ppb	5.97	1.00	
232 Th	165	1	0.062	ppb	14.62	1.00	
238 U	165	1	0.011	ppb	5.75	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	601882	2.82	715866	84.1	30 - 120	
45 Sc	1	2905211	0.31	3345645	86.8	30 - 120	
72 Ge	1	1805814	0.72	2000336	90.3	30 - 120	
115 In	1	5787205	0.37	6311330	91.7	30 - 120	
165 Ho	1	11355920	0.70	12325117	92.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\085SMPL.D\085SMPL.D#
Date Acquired: Apr 2 2012 09:13 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-3-b
Misc Info:
Vial Number: 3106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	42.29	3600	
51 V	72	1	1.38	1.38	ppb	2.05	3600	
52 Cr	72	1	1.94	1.94	ppb	0.42	3600	
55 Mn	72	1	34.14	34.14	ppb	0.34	18000	
59 Co	72	1	0.48	0.48	ppb	1.91	3600	
60 Ni	72	1	3.75	3.75	ppb	0.53	3600	
63 Cu	72	1	61.99	61.99	ppb	2.72	3600	
66 Zn	72	1	120.30	120.30	ppb	1.01	3600	
75 As	72	1	0.86	0.86	ppb	5.50	3600	
78 Se	72	1	2.62	2.62	ppb	11.41	3600	
95 Mo	72	1	3.64	3.64	ppb	1.58	3600	
107 Ag	115	1	0.01	0.01	ppb	20.94	3600	
111 Cd	115	1	0.02	0.02	ppb	82.92	3600	
118 Sn	115	1	0.44	0.44	ppb	6.30	3600	
121 Sb	115	1	0.24	0.24	ppb	2.55	3600	
137 Ba	115	1	65.04	65.04	ppb	0.71	3600	
205 Tl	165	1	0.03	0.03	ppb	28.88	3600	
208 Pb	165	1	0.79	0.79	ppb	2.68	3600	
232 Th	165	1	0.02	0.02	ppb	18.58	1000	
238 U	165	1	2.42	2.42	ppb	0.79	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	587758	1.35	715866	82.1	30 - 120	
45 Sc	1	2683376	1.30	3345645	80.2	30 - 120	
72 Ge	1	1616495	1.23	2000336	80.8	30 - 120	
115 In	1	5147787	0.71	6311330	81.6	30 - 120	
165 Ho	1	10671861	0.87	12325117	86.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\086SMPL.D\086SMPL.D#
Date Acquired: Apr 2 2012 09:16 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-4-b
Misc Info:
Vial Number: 3107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	2.90	3600	
51 V	72	1	0.23	0.23	ppb	28.00	3600	
52 Cr	72	1	0.63	0.63	ppb	1.56	3600	
55 Mn	72	1	24.66	24.66	ppb	0.26	18000	
59 Co	72	1	0.39	0.39	ppb	0.95	3600	
60 Ni	72	1	3.14	3.14	ppb	2.91	3600	
63 Cu	72	1	62.28	62.28	ppb	1.75	3600	
66 Zn	72	1	126.00	126.00	ppb	0.44	3600	
75 As	72	1	0.76	0.76	ppb	2.18	3600	
78 Se	72	1	2.24	2.24	ppb	5.51	3600	
95 Mo	72	1	2.65	2.65	ppb	1.91	3600	
107 Ag	115	1	0.04	0.04	ppb	4.62	3600	
111 Cd	115	1	0.03	0.03	ppb	45.75	3600	
118 Sn	115	1	0.63	0.63	ppb	1.48	3600	
121 Sb	115	1	0.25	0.25	ppb	2.80	3600	
137 Ba	115	1	62.45	62.45	ppb	0.04	3600	
205 Tl	165	1	0.01	0.01	ppb	8.52	3600	
208 Pb	165	1	0.62	0.62	ppb	0.93	3600	
232 Th	165	1	0.01	0.01	ppb	9.32	1000	
238 U	165	1	1.83	1.83	ppb	0.24	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	599282	2.92	715866	83.7	30 - 120	
45 Sc	1	2707899	0.51	3345645	80.9	30 - 120	
72 Ge	1	1615374	0.55	2000336	80.8	30 - 120	
115 In	1	5154210	0.16	6311330	81.7	30 - 120	
165 Ho	1	10705452	0.26	12325117	86.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\087SMPL.D\087SMPL.D#
Date Acquired: Apr 2 2012 09:19 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-5-b
Misc Info:
Vial Number: 3108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	86.63	3600	
51 V	72	1	1.50	1.50	ppb	8.05	3600	
52 Cr	72	1	0.52	0.52	ppb	1.13	3600	
55 Mn	72	1	17.84	17.84	ppb	1.34	18000	
59 Co	72	1	0.25	0.25	ppb	4.19	3600	
60 Ni	72	1	1.44	1.44	ppb	4.33	3600	
63 Cu	72	1	1.86	1.86	ppb	2.87	3600	
66 Zn	72	1	9.78	9.78	ppb	0.81	3600	
75 As	72	1	1.01	1.01	ppb	2.43	3600	
78 Se	72	1	43.60	43.60	ppb	2.37	3600	
95 Mo	72	1	1.34	1.34	ppb	3.66	3600	
107 Ag	115	1	0.01	0.01	ppb	7.55	3600	
111 Cd	115	1	-0.03	-0.03	ppb	34.65	3600	
118 Sn	115	1	0.07	0.07	ppb	17.24	3600	
121 Sb	115	1	0.07	0.07	ppb	1.38	3600	
137 Ba	115	1	49.12	49.12	ppb	0.95	3600	
205 Tl	165	1	0.01	0.01	ppb	8.04	3600	
208 Pb	165	1	0.22	0.22	ppb	1.69	3600	
232 Th	165	1	0.02	0.02	ppb	8.34	1000	
238 U	165	1	155.90	155.90	ppb	1.91	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	543445	0.20	715866	75.9	30 - 120	
45 Sc	1	2520591	1.26	3345645	75.3	30 - 120	
72 Ge	1	1460836	1.29	2000336	73.0	30 - 120	
115 In	1	4796238	0.66	6311330	76.0	30 - 120	
165 Ho	1	10214923	0.62	12325117	82.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\088SMPL.D\088SMPL.D#
Date Acquired: Apr 2 2012 09:22 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-6-b
Misc Info:
Vial Number: 3109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	33.29	3600	
51 V	72	1	1.12	1.12	ppb	8.81	3600	
52 Cr	72	1	0.26	0.26	ppb	3.96	3600	
55 Mn	72	1	0.62	0.62	ppb	3.61	18000	
59 Co	72	1	0.09	0.09	ppb	9.45	3600	
60 Ni	72	1	0.81	0.81	ppb	4.74	3600	
63 Cu	72	1	1.48	1.48	ppb	1.52	3600	
66 Zn	72	1	20.95	20.95	ppb	0.46	3600	
75 As	72	1	0.89	0.89	ppb	3.45	3600	
78 Se	72	1	61.26	61.26	ppb	2.01	3600	
95 Mo	72	1	1.06	1.06	ppb	5.20	3600	
107 Ag	115	1	0.01	0.01	ppb	23.41	3600	
111 Cd	115	1	-0.03	-0.03	ppb	35.47	3600	
118 Sn	115	1	0.13	0.13	ppb	2.10	3600	
121 Sb	115	1	0.06	0.06	ppb	6.39	3600	
137 Ba	115	1	48.92	48.92	ppb	0.71	3600	
205 Tl	165	1	0.01	0.01	ppb	6.86	3600	
208 Pb	165	1	0.08	0.08	ppb	5.85	3600	
232 Th	165	1	0.01	0.01	ppb	9.86	1000	
238 U	165	1	47.24	47.24	ppb	0.22	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	545830	1.86	715866	76.2	30 - 120	
45 Sc	1	2541647	0.54	3345645	76.0	30 - 120	
72 Ge	1	1492532	0.68	2000336	74.6	30 - 120	
115 In	1	4918640	0.09	6311330	77.9	30 - 120	
165 Ho	1	10343972	0.10	12325117	83.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\089SMPL.D\089SMPL.D#
Date Acquired: Apr 2 2012 09:25 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-7-b
Misc Info:
Vial Number: 3110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.13	3600	
51 V	72	1	1.54	1.54	ppb	3.88	3600	
52 Cr	72	1	0.63	0.63	ppb	2.70	3600	
55 Mn	72	1	0.63	0.63	ppb	2.79	18000	
59 Co	72	1	0.10	0.10	ppb	4.41	3600	
60 Ni	72	1	0.86	0.86	ppb	4.85	3600	
63 Cu	72	1	1.46	1.46	ppb	3.33	3600	
66 Zn	72	1	12.56	12.56	ppb	1.00	3600	
75 As	72	1	1.11	1.11	ppb	2.76	3600	
78 Se	72	1	22.08	22.08	ppb	2.89	3600	
95 Mo	72	1	1.25	1.25	ppb	0.41	3600	
107 Ag	115	1	0.01	0.01	ppb	12.60	3600	
111 Cd	115	1	-0.02	-0.02	ppb	77.68	3600	
118 Sn	115	1	0.06	0.06	ppb	9.69	3600	
121 Sb	115	1	0.08	0.08	ppb	10.00	3600	
137 Ba	115	1	130.20	130.20	ppb	0.72	3600	
205 Tl	165	1	0.01	0.01	ppb	2.92	3600	
208 Pb	165	1	0.11	0.11	ppb	6.08	3600	
232 Th	165	1	0.01	0.01	ppb	14.62	1000	
238 U	165	1	31.88	31.88	ppb	0.99	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	522105	0.21	715866	72.9	30 - 120	
45 Sc	1	2483364	0.55	3345645	74.2	30 - 120	
72 Ge	1	1453311	1.29	2000336	72.7	30 - 120	
115 In	1	4783825	0.45	6311330	75.8	30 - 120	
165 Ho	1	10078382	0.30	12325117	81.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\090SMPL.D\090SMPL.D#
Date Acquired: Apr 2 2012 09:28 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-8-b
Misc Info:
Vial Number: 3111
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	99.93	3600	
51 V	72	1	5.63	5.63	ppb	2.15	3600	
52 Cr	72	1	0.58	0.58	ppb	7.11	3600	
55 Mn	72	1	0.99	0.99	ppb	1.84	18000	
59 Co	72	1	0.12	0.12	ppb	2.49	3600	
60 Ni	72	1	1.54	1.54	ppb	3.27	3600	
63 Cu	72	1	2.39	2.39	ppb	2.94	3600	
66 Zn	72	1	8.62	8.62	ppb	1.69	3600	
75 As	72	1	3.18	3.18	ppb	2.02	3600	
78 Se	72	1	10.44	10.44	ppb	3.73	3600	
95 Mo	72	1	1.82	1.82	ppb	0.91	3600	
107 Ag	115	1	0.01	0.01	ppb	17.75	3600	
111 Cd	115	1	-0.03	-0.03	ppb	36.34	3600	
118 Sn	115	1	0.08	0.08	ppb	11.49	3600	
121 Sb	115	1	0.09	0.09	ppb	5.21	3600	
137 Ba	115	1	175.10	175.10	ppb	0.59	3600	
205 Tl	165	1	0.01	0.01	ppb	10.96	3600	
208 Pb	165	1	0.09	0.09	ppb	4.49	3600	
232 Th	165	1	0.01	0.01	ppb	11.48	1000	
238 U	165	1	50.25	50.25	ppb	0.77	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	524329	0.27	715866	73.2	30 - 120	
45 Sc	1	2489057	0.88	3345645	74.4	30 - 120	
72 Ge	1	1476571	1.32	2000336	73.8	30 - 120	
115 In	1	4794100	0.45	6311330	76.0	30 - 120	
165 Ho	1	10070450	0.99	12325117	81.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\091_CCV.D\091_CCV.D#
Date Acquired: Apr 2 2012 09:31 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.31	ppb	1.97	50	104.6	90 - 110	
51 V	72	1	51.36	ppb	1.42	50	102.7	90 - 110	
52 Cr	72	1	51.73	ppb	1.25	50	103.5	90 - 110	
55 Mn	72	1	51.76	ppb	1.34	50	103.5	90 - 110	
59 Co	72	1	51.19	ppb	2.03	50	102.4	90 - 110	
60 Ni	72	1	49.50	ppb	1.59	50	99.0	90 - 110	
63 Cu	72	1	51.33	ppb	2.01	50	102.7	90 - 110	
66 Zn	72	1	50.48	ppb	0.78	50	101.0	90 - 110	
75 As	72	1	51.11	ppb	1.05	50	102.2	90 - 110	
78 Se	72	1	51.38	ppb	0.47	50	102.8	90 - 110	
95 Mo	72	1	51.40	ppb	0.94	50	102.8	90 - 110	
107 Ag	115	1	51.34	ppb	1.73	50	102.7	90 - 110	
111 Cd	115	1	50.27	ppb	1.36	50	100.5	90 - 110	
118 Sn	115	1	50.80	ppb	1.95	50	101.6	90 - 110	
121 Sb	115	1	50.82	ppb	1.35	50	101.6	90 - 110	
137 Ba	115	1	52.24	ppb	1.23	50	104.5	90 - 110	
205 Tl	165	1	51.58	ppb	0.94	50	103.2	90 - 110	
208 Pb	165	1	51.81	ppb	0.31	50	103.6	90 - 110	
232 Th	165	1	50.74	ppb	1.75	50	101.5	90 - 110	
238 U	165	1	49.71	ppb	1.37	50	99.4	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	548731	1.51	715866	76.7	30 - 120	
45 Sc	1	2593500	1.08	3345645	77.5	30 - 120	
72 Ge	1	1627645	0.75	2000336	81.4	30 - 120	
115 In	1	5319527	0.86	6311330	84.3	30 - 120	
165 Ho	1	10556722	0.39	12325117	85.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\092_CCB.D\092_CCB.D#
Date Acquired: Apr 2 2012 09:34 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.013	ppb	98.93	1.00	
51 V	72	1	0.000	ppb	19409.00	1.00	
52 Cr	72	1	0.020	ppb	36.07	1.00	
55 Mn	72	1	0.007	ppb	202.23	1.00	
59 Co	72	1	0.008	ppb	30.15	1.00	
60 Ni	72	1	0.015	ppb	36.18	1.00	
63 Cu	72	1	0.008	ppb	40.44	1.00	
66 Zn	72	1	0.121	ppb	9.82	1.00	
75 As	72	1	0.015	ppb	79.62	1.00	
78 Se	72	1	0.116	ppb	201.21	1.00	
95 Mo	72	1	0.026	ppb	44.21	1.00	
107 Ag	115	1	0.013	ppb	17.09	1.00	
111 Cd	115	1	0.005	ppb	218.11	1.00	
118 Sn	115	1	0.061	ppb	4.51	1.00	
121 Sb	115	1	0.046	ppb	15.61	1.00	
137 Ba	115	1	0.050	ppb	9.60	1.00	
205 Tl	165	1	0.026	ppb	13.79	1.00	
208 Pb	165	1	0.043	ppb	7.74	1.00	
232 Th	165	1	0.065	ppb	15.11	1.00	
238 U	165	1	0.015	ppb	9.34	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	540412	2.28	715866	75.5	30 - 120	
45 Sc	1	2608326	1.42	3345645	78.0	30 - 120	
72 Ge	1	1621431	0.70	2000336	81.1	30 - 120	
115 In	1	5287299	1.09	6311330	83.8	30 - 120	
165 Ho	1	10411118	0.78	12325117	84.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\093_BLK.D\093_BLK.D#
Date Acquired: Apr 2 2012 09:37 pm
Operator: TEL
Sample Name: mb 280-113682/1-a
Misc Info: BLANK 113682 200.8
Vial Number: 3112
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.017 ppb	116.59	2.00	
51 V	72	1	-0.342 ppb	24.72	2.00	
52 Cr	72	1	0.046 ppb	30.68	2.00	
55 Mn	72	1	-0.018 ppb	99.94	2.00	
59 Co	72	1	0.004 ppb	85.40	2.00	
60 Ni	72	1	0.032 ppb	31.98	2.00	
63 Cu	72	1	0.113 ppb	9.06	2.00	
66 Zn	72	1	0.961 ppb	1.61	2.00	
75 As	72	1	0.156 ppb	13.49	2.00	
78 Se	72	1	0.034 ppb	390.14	2.00	
95 Mo	72	1	0.021 ppb	40.97	2.00	
107 Ag	115	1	0.010 ppb	32.01	2.00	
111 Cd	115	1	-0.013 ppb	35.33	2.00	
118 Sn	115	1	0.086 ppb	8.12	2.00	
121 Sb	115	1	0.028 ppb	2.32	2.00	
137 Ba	115	1	0.041 ppb	25.09	2.00	
205 Tl	165	1	0.023 ppb	32.33	2.00	
208 Pb	165	1	0.051 ppb	14.46	2.00	
232 Th	165	1	0.014 ppb	21.31	2.00	
238 U	165	1	0.013 ppb	47.04	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	591169	2.84	715866	82.6	30 - 120	
45 Sc	1	2672214	0.66	3345645	79.9	30 - 120	
72 Ge	1	1664154	0.58	2000336	83.2	30 - 120	
115 In	1	5366911	1.05	6311330	85.0	30 - 120	
165 Ho	1	10657985	0.72	12325117	86.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\094_LCS.D\094_LCS.D#
Date Acquired: Apr 2 2012 09:40 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113682/2-a
Misc Info: LCS
Vial Number: 3201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	35.98	4.72	40	90.0	80 - 120	
51 V	72	1	33.32	1.17	40	83.3	80 - 120	
52 Cr	72	1	33.58	0.96	40	84.0	80 - 120	
55 Mn	72	1	32.77	1.17	40	81.9	80 - 120	
59 Co	72	1	32.86	2.95	40	82.2	80 - 120	
60 Ni	72	1	31.39	1.00	40	78.5	80 - 120	
63 Cu	72	1	32.75	0.63	40	81.9	80 - 120	
66 Zn	72	1	36.50	0.87	40	91.3	80 - 120	
75 As	72	1	33.96	0.47	40	84.9	80 - 120	
78 Se	72	1	36.26	3.21	40	90.7	80 - 120	
95 Mo	72	1	32.78	1.53	40	82.0	80 - 120	
107 Ag	115	1	33.40	0.39	40	83.5	80 - 120	
111 Cd	115	1	33.01	0.95	40	82.5	80 - 120	
118 Sn	115	1	32.77	0.87	40	81.9	80 - 120	
121 Sb	115	1	33.45	0.79	40	83.6	80 - 120	
137 Ba	115	1	34.52	1.16	40	86.3	80 - 120	
205 Tl	165	1	34.47	0.63	40	86.2	80 - 120	
208 Pb	165	1	33.85	0.96	40	84.6	80 - 120	
232 Th	165	1	33.25	1.39	40	83.1	80 - 120	
238 U	165	1	33.00	0.91	40	82.5	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	560821	1.33	715866	78.3	30 - 120	
45 Sc	1	2608162	1.24	3345645	78.0	30 - 120	
72 Ge	1	1645954	0.93	2000336	82.3	30 - 120	
115 In	1	5341714	0.81	6311330	84.6	30 - 120	
165 Ho	1	10544967	0.91	12325117	85.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\095AREF.D\095AREF.D#
Date Acquired: Apr 2 2012 09:42 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-g-1-d
Misc Info:
Vial Number: 3202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.21	3600	
51 V	72	1	2.00	2.00	ppb	4.19	3600	
52 Cr	72	1	0.27	0.27	ppb	4.05	3600	
55 Mn	72	1	0.76	0.76	ppb	0.25	18000	
59 Co	72	1	0.13	0.13	ppb	2.76	3600	
60 Ni	72	1	3.79	3.79	ppb	1.97	3600	
63 Cu	72	1	2.37	2.37	ppb	1.58	3600	
66 Zn	72	1	3.52	3.52	ppb	1.96	3600	
75 As	72	1	16.64	16.64	ppb	1.88	3600	
78 Se	72	1	5.79	5.79	ppb	9.21	3600	
95 Mo	72	1	236.60	236.60	ppb	1.51	3600	
107 Ag	115	1	0.01	0.01	ppb	15.32	3600	
111 Cd	115	1	0.02	0.02	ppb	128.94	3600	
118 Sn	115	1	0.07	0.07	ppb	18.08	3600	
121 Sb	115	1	1.35	1.35	ppb	1.50	3600	
137 Ba	115	1	20.10	20.10	ppb	0.85	3600	
205 Tl	165	1	0.04	0.04	ppb	10.14	3600	
208 Pb	165	1	0.06	0.06	ppb	3.70	3600	
232 Th	165	1	0.09	0.09	ppb	26.61	1000	
238 U	165	1	3.24	3.24	ppb	0.48	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	488743	1.93	715866	68.3	30 - 120	
45 Sc	1	2283276	2.31	3345645	68.2	30 - 120	
72 Ge	1	1328090	2.62	2000336	66.4	30 - 120	
115 In	1	4388035	2.20	6311330	69.5	30 - 120	
165 Ho	1	9295143	1.21	12325117	75.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\096_MS.D\096_MS.D#
Date Acquired: Apr 2 2012 09:45 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-g-1-e ms
Misc Info: MATRIX SPIKE
Vial Number: 3203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	32.96	0.01	ppb	2.08	40	82.4	50 - 150	
51 V	72	1	37.14	2.00	ppb	1.33	40	88.4	50 - 150	
52 Cr	72	1	33.22	0.27	ppb	0.54	40	82.5	50 - 150	
55 Mn	72	1	32.62	0.76	ppb	0.70	40	80.0	50 - 150	
59 Co	72	1	32.39	0.13	ppb	0.46	40	80.7	50 - 150	
60 Ni	72	1	33.61	3.79	ppb	1.64	40	76.8	50 - 150	
63 Cu	72	1	32.85	2.37	ppb	0.71	40	77.5	50 - 150	
66 Zn	72	1	37.71	3.52	ppb	0.56	40	86.7	50 - 150	
75 As	72	1	51.29	16.64	ppb	0.54	40	90.6	50 - 150	
78 Se	72	1	45.27	5.79	ppb	0.84	40	98.9	50 - 150	
95 Mo	72	1	263.50	236.60	ppb	0.33	40	95.3	50 - 150	
107 Ag	115	1	28.61	0.01	ppb	0.12	40	71.5	50 - 150	
111 Cd	115	1	30.84	0.02	ppb	0.17	40	77.1	50 - 150	
118 Sn	115	1	32.14	0.07	ppb	0.92	40	80.2	50 - 150	
121 Sb	115	1	34.53	1.35	ppb	0.76	40	83.5	50 - 150	
137 Ba	115	1	52.90	20.10	ppb	0.30	40	88.0	50 - 150	
205 Tl	165	1	30.90	0.04	ppb	0.30	40	77.2	50 - 150	
208 Pb	165	1	30.03	0.06	ppb	0.50	40	75.0	50 - 150	
232 Th	165	1	34.60	0.09	ppb	0.96	40	86.3	50 - 150	
238 U	165	1	36.32	3.24	ppb	1.20	40	84.0	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	526938	0.09	715866	73.6	30 - 120	
45 Sc	1	2430322	1.03	3345645	72.6	30 - 120	
72 Ge	1	1426296	1.38	2000336	71.3	30 - 120	
115 In	1	4629580	0.84	6311330	73.4	30 - 120	
165 Ho	1	9681334	0.45	12325117	78.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\097_MSD.D\097_MSD.D#
Date Acquired: Apr 2 2012 09:48 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-g-1-f msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\096_MS.D\096_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	33.07	ppb	0.80	32.96	0.33	20	
51 V	72	1	39.29	ppb	1.72	37.14	5.63	20	
52 Cr	72	1	35.27	ppb	0.68	33.22	5.99	20	
55 Mn	72	1	33.12	ppb	0.72	32.62	1.52	20	
59 Co	72	1	34.02	ppb	0.85	32.39	4.91	20	
60 Ni	72	1	34.37	ppb	0.76	33.61	2.24	20	
63 Cu	72	1	33.42	ppb	0.26	32.85	1.72	20	
66 Zn	72	1	36.47	ppb	0.42	37.71	3.34	20	
75 As	72	1	52.50	ppb	0.33	51.29	2.33	20	
78 Se	72	1	46.86	ppb	3.27	45.27	3.45	20	
95 Mo	72	1	270.70	ppb	0.36	263.50	2.70	20	
107 Ag	115	1	29.66	ppb	0.90	28.61	3.60	20	
111 Cd	115	1	31.65	ppb	1.18	30.84	2.59	20	
118 Sn	115	1	32.86	ppb	1.15	32.14	2.22	20	
121 Sb	115	1	35.50	ppb	1.11	34.53	2.77	20	
137 Ba	115	1	54.50	ppb	0.89	52.90	2.98	20	
205 Tl	165	1	31.84	ppb	0.23	30.90	3.00	20	
208 Pb	165	1	30.76	ppb	0.40	30.03	2.40	20	
232 Th	165	1	35.34	ppb	1.38	34.60	2.12	20	
238 U	165	1	36.95	ppb	0.51	36.32	1.72	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	533341	0.99	715866	74.5	30 - 120	
45 Sc	1	2467211	1.27	3345645	73.7	30 - 120	
72 Ge	1	1437736	0.69	2000336	71.9	30 - 120	
115 In	1	4636213	1.20	6311330	73.5	30 - 120	
165 Ho	1	9732050	0.62	12325117	79.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\098_CCV.D\098_CCV.D#
Date Acquired: Apr 2 2012 09:51 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	54.05	ppb	6.48	50	108.1	90 - 110	
51 V	72	1	52.45	ppb	0.53	50	104.9	90 - 110	
52 Cr	72	1	51.83	ppb	0.65	50	103.7	90 - 110	
55 Mn	72	1	50.54	ppb	2.47	50	101.1	90 - 110	
59 Co	72	1	50.55	ppb	1.62	50	101.1	90 - 110	
60 Ni	72	1	48.54	ppb	0.97	50	97.1	90 - 110	
63 Cu	72	1	50.92	ppb	0.99	50	101.8	90 - 110	
66 Zn	72	1	51.97	ppb	3.36	50	103.9	90 - 110	
75 As	72	1	53.07	ppb	3.33	50	106.1	90 - 110	
78 Se	72	1	50.67	ppb	0.71	50	101.3	90 - 110	
95 Mo	72	1	50.07	ppb	1.64	50	100.1	90 - 110	
107 Ag	115	1	52.24	ppb	0.45	50	104.5	90 - 110	
111 Cd	115	1	51.55	ppb	1.96	50	103.1	90 - 110	
118 Sn	115	1	51.47	ppb	1.05	50	102.9	90 - 110	
121 Sb	115	1	53.77	ppb	5.46	50	107.5	90 - 110	
137 Ba	115	1	52.02	ppb	0.75	50	104.0	90 - 110	
205 Tl	165	1	50.51	ppb	1.35	50	101.0	90 - 110	
208 Pb	165	1	50.77	ppb	1.12	50	101.5	90 - 110	
232 Th	165	1	49.96	ppb	1.43	50	99.9	90 - 110	
238 U	165	1	48.59	ppb	0.86	50	97.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	608819	3.22	715866	85.0	30 - 120	
45 Sc	1	3019471	5.04	3345645	90.3	30 - 120	
72 Ge	1	1903661	5.47	2000336	95.2	30 - 120	
115 In	1	5885342	3.02	6311330	93.3	30 - 120	
165 Ho	1	11384992	1.84	12325117	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\099_CCB.D\099_CCB.D#
Date Acquired: Apr 2 2012 09:54 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.021	ppb	35.62	1.00	
51 V	72	1	0.008	ppb	269.17	1.00	
52 Cr	72	1	0.009	ppb	132.65	1.00	
55 Mn	72	1	0.030	ppb	43.42	1.00	
59 Co	72	1	0.013	ppb	34.36	1.00	
60 Ni	72	1	0.014	ppb	33.59	1.00	
63 Cu	72	1	0.030	ppb	18.02	1.00	
66 Zn	72	1	0.149	ppb	9.69	1.00	
75 As	72	1	0.021	ppb	45.66	1.00	
78 Se	72	1	0.069	ppb	265.93	1.00	
95 Mo	72	1	0.093	ppb	12.67	1.00	
107 Ag	115	1	0.017	ppb	9.13	1.00	
111 Cd	115	1	0.009	ppb	119.04	1.00	
118 Sn	115	1	0.054	ppb	5.86	1.00	
121 Sb	115	1	0.053	ppb	4.59	1.00	
137 Ba	115	1	0.052	ppb	14.00	1.00	
205 Tl	165	1	0.032	ppb	5.35	1.00	
208 Pb	165	1	0.058	ppb	6.69	1.00	
232 Th	165	1	0.073	ppb	14.44	1.00	
238 U	165	1	0.014	ppb	2.61	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	582694	3.08	715866	81.4	30 - 120	
45 Sc	1	2913343	3.92	3345645	87.1	30 - 120	
72 Ge	1	1836805	5.71	2000336	91.8	30 - 120	
115 In	1	5752330	1.40	6311330	91.1	30 - 120	
165 Ho	1	11090820	1.48	12325117	90.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\100WASH.D\100WASH.D#
Date Acquired: Apr 2 2012 09:57 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.011 ppb	86.59	1.30	
51 V	72	1	-0.038 ppb	236.74	6.50	
52 Cr	72	1	1.268 ppb	3.43	2.60	
55 Mn	72	1	0.458 ppb	2.48	1.30	
59 Co	72	1	0.071 ppb	8.13	1.30	
60 Ni	72	1	0.994 ppb	4.90	2.60	
63 Cu	72	1	0.401 ppb	4.34	2.60	
66 Zn	72	1	3.502 ppb	1.36	13.00	
75 As	72	1	0.638 ppb	5.17	6.50	
78 Se	72	1	0.419 ppb	12.02	6.50	
95 Mo	72	1	2188.000 ppb	1.35	2.60	
107 Ag	115	1	0.068 ppb	17.76	6.50	
111 Cd	115	1	0.745 ppb	16.11	1.30	
118 Sn	115	1	0.178 ppb	5.68	13.00	
121 Sb	115	1	0.318 ppb	1.76	2.60	
137 Ba	115	1	0.261 ppb	3.55	1.30	
205 Tl	165	1	0.037 ppb	14.16	1.30	
208 Pb	165	1	0.202 ppb	2.95	1.30	
232 Th	165	1	0.074 ppb	14.78	2.60	
238 U	165	1	0.014 ppb	7.73	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	457954	0.96	715866	64.0	30 - 120	
45 Sc	1	2228270	0.51	3345645	66.6	30 - 120	
72 Ge	1	1367784	1.26	2000336	68.4	30 - 120	
115 In	1	4399300	0.34	6311330	69.7	30 - 120	
165 Ho	1	9131876	0.71	12325117	74.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\101WASH.D\101WASH.D#
Date Acquired: Apr 2 2012 10:00 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.009 ppb	86.62	1.30	
51 V	72	1	0.018 ppb	60.25	6.50	
52 Cr	72	1	0.020 ppb	25.27	2.60	
55 Mn	72	1	-0.020 ppb	67.38	1.30	
59 Co	72	1	0.006 ppb	3.03	1.30	
60 Ni	72	1	0.009 ppb	72.63	2.60	
63 Cu	72	1	0.025 ppb	33.81	2.60	
66 Zn	72	1	0.154 ppb	12.76	13.00	
75 As	72	1	0.017 ppb	17.43	6.50	
78 Se	72	1	0.181 ppb	35.41	6.50	
95 Mo	72	1	0.506 ppb	7.01	2.60	
107 Ag	115	1	0.003 ppb	5.24	6.50	
111 Cd	115	1	-0.033 ppb	3.19	1.30	
118 Sn	115	1	0.027 ppb	14.63	13.00	
121 Sb	115	1	0.014 ppb	9.09	2.60	
137 Ba	115	1	0.044 ppb	6.09	1.30	
205 Tl	165	1	0.011 ppb	11.22	1.30	
208 Pb	165	1	0.049 ppb	8.92	1.30	
232 Th	165	1	0.012 ppb	10.00	2.60	
238 U	165	1	0.007 ppb	10.30	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	532296	1.01	715866	74.4	30 - 120	
45 Sc	1	2733619	1.16	3345645	81.7	30 - 120	
72 Ge	1	1723183	0.91	2000336	86.1	30 - 120	
115 In	1	5601548	2.06	6311330	88.8	30 - 120	
165 Ho	1	10854966	1.34	12325117	88.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\102WASH.D\102WASH.D#
Date Acquired: Apr 2 2012 10:03 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.004 ppb	173.20	1.30	
51 V	72	1	0.016 ppb	18.22	6.50	
52 Cr	72	1	0.012 ppb	36.25	2.60	
55 Mn	72	1	-0.093 ppb	8.04	1.30	
59 Co	72	1	0.000 ppb	490.00	1.30	
60 Ni	72	1	0.006 ppb	58.58	2.60	
63 Cu	72	1	0.015 ppb	21.05	2.60	
66 Zn	72	1	0.106 ppb	7.42	13.00	
75 As	72	1	0.013 ppb	31.84	6.50	
78 Se	72	1	0.125 ppb	155.58	6.50	
95 Mo	72	1	0.127 ppb	8.11	2.60	
107 Ag	115	1	0.002 ppb	99.94	6.50	
111 Cd	115	1	-0.028 ppb	9.93	1.30	
118 Sn	115	1	0.010 ppb	38.69	13.00	
121 Sb	115	1	0.008 ppb	27.01	2.60	
137 Ba	115	1	0.012 ppb	22.69	1.30	
205 Tl	165	1	0.006 ppb	14.66	1.30	
208 Pb	165	1	0.017 ppb	8.55	1.30	
232 Th	165	1	0.006 ppb	13.40	2.60	
238 U	165	1	0.002 ppb	8.61	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	551936	1.03	715866	77.1	30 - 120	
45 Sc	1	2840349	1.54	3345645	84.9	30 - 120	
72 Ge	1	1766046	1.23	2000336	88.3	30 - 120	
115 In	1	5683666	0.96	6311330	90.1	30 - 120	
165 Ho	1	10997215	0.22	12325117	89.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\103WASH.D\103WASH.D#
Date Acquired: Apr 2 2012 10:06 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.009 ppb	173.17	1.30	
51 V	72	1	-0.004 ppb	325.39	6.50	
52 Cr	72	1	0.011 ppb	115.95	2.60	
55 Mn	72	1	-0.091 ppb	1.74	1.30	
59 Co	72	1	0.000 ppb	188.99	1.30	
60 Ni	72	1	0.002 ppb	239.27	2.60	
63 Cu	72	1	0.010 ppb	80.52	2.60	
66 Zn	72	1	0.102 ppb	11.14	13.00	
75 As	72	1	0.014 ppb	68.13	6.50	
78 Se	72	1	0.210 ppb	22.35	6.50	
95 Mo	72	1	0.061 ppb	13.13	2.60	
107 Ag	115	1	0.001 ppb	66.79	6.50	
111 Cd	115	1	-0.025 ppb	10.57	1.30	
118 Sn	115	1	0.010 ppb	51.32	13.00	
121 Sb	115	1	0.007 ppb	28.21	2.60	
137 Ba	115	1	0.015 ppb	19.10	1.30	
205 Tl	165	1	0.005 ppb	24.24	1.30	
208 Pb	165	1	0.019 ppb	0.84	1.30	
232 Th	165	1	0.005 ppb	21.35	2.60	
238 U	165	1	0.002 ppb	14.27	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	540606	0.86	715866	75.5	30 - 120	
45 Sc	1	2882880	0.90	3345645	86.2	30 - 120	
72 Ge	1	1787999	1.98	2000336	89.4	30 - 120	
115 In	1	5763057	1.07	6311330	91.3	30 - 120	
165 Ho	1	11004107	0.68	12325117	89.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\104WASH.D\104WASH.D#
Date Acquired: Apr 2 2012 10:09 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	1.30	
51 V	72	1	0.009 ppb	92.38	6.50	
52 Cr	72	1	0.009 ppb	20.16	2.60	
55 Mn	72	1	-0.102 ppb	4.52	1.30	
59 Co	72	1	0.000 ppb	194.70	1.30	
60 Ni	72	1	0.005 ppb	57.71	2.60	
63 Cu	72	1	0.010 ppb	157.22	2.60	
66 Zn	72	1	0.087 ppb	11.06	13.00	
75 As	72	1	0.015 ppb	74.55	6.50	
78 Se	72	1	0.167 ppb	114.70	6.50	
95 Mo	72	1	0.027 ppb	13.24	2.60	
107 Ag	115	1	0.001 ppb	28.17	6.50	
111 Cd	115	1	-0.032 ppb	8.16	1.30	
118 Sn	115	1	0.013 ppb	29.13	13.00	
121 Sb	115	1	0.005 ppb	49.28	2.60	
137 Ba	115	1	0.012 ppb	68.60	1.30	
205 Tl	165	1	0.003 ppb	35.88	1.30	
208 Pb	165	1	0.016 ppb	11.72	1.30	
232 Th	165	1	0.003 ppb	13.35	2.60	
238 U	165	1	0.001 ppb	32.92	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	550308	1.55	715866	76.9	30 - 120	
45 Sc	1	2856625	0.45	3345645	85.4	30 - 120	
72 Ge	1	1786721	1.01	2000336	89.3	30 - 120	
115 In	1	5741960	1.03	6311330	91.0	30 - 120	
165 Ho	1	11023696	0.30	12325117	89.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\105CAL
Date Acquired: Apr 2 2012 10:11 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	100	277.45
52	Cr	72	1	3064	6.71
55	Mn	72	1	1380	7.14
59	Co	72	1	190	15.79
60	Ni	72	1	167	15.10
63	Cu	72	1	1627	14.16
66	Zn	72	1	861	10.14
75	As	72	1	143	20.33
78	Se	72	1	510	10.38
95	Mo	72	1	483	11.40
107	Ag	115	1	107	30.14
111	Cd	115	1	567	9.88
118	Sn	115	1	693	8.69
121	Sb	115	1	116	6.00
137	Ba	115	1	174	5.52
205	Tl	165	1	409	3.29
208	Pb	165	1	1996	5.66
232	Th	165	1	413	7.78
238	U	165	1	309	4.49

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	538957	1.38
45	Sc	1	2852938	1.47
72	Ge	1	1771842	1.13
115	In	1	5738693	1.09
165	Ho	1	10963750	0.09

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\106CAL
Date Acquired: Apr 2 2012 10:14 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342540
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:12 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	0	0.00
51	V	72	1	58	512.13
52	Cr	72	1	2910	2.41
55	Mn	72	1	1257	6.67
59	Co	72	1	173	18.55
60	Ni	72	1	117	35.69
63	Cu	72	1	1107	6.84
66	Zn	72	1	533	8.68
75	As	72	1	127	29.21
78	Se	72	1	503	9.18
95	Mo	72	1	377	27.64
107	Ag	115	1	37	56.78
111	Cd	115	1	603	7.71
118	Sn	115	1	573	28.36
121	Sb	115	1	72	11.62
137	Ba	115	1	129	1.49
205	Tl	165	1	291	4.34
208	Pb	165	1	1746	7.62
232	Th	165	1	287	14.10
238	U	165	1	151	18.37

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	542197	0.78
45	Sc	1	2850994	0.66
72	Ge	1	1758913	0.98
115	In	1	5681129	0.40
165	Ho	1	10936780	0.25

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\107ICAL.D\107ICAL.D#
Date Acquired: Apr 2 2012 10:17 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342531
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:15 pm
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	78266	1.55
51 V	72	1	2364616	0.12
52 Cr	72	1	2707764	1.11
55 Mn	72	1	2543677	1.18
59 Co	72	1	3858502	0.53
60 Ni	72	1	969606	0.66
63 Cu	72	1	2290467	0.50
66 Zn	72	1	373320	0.30
75 As	72	1	277782	0.37
78 Se	72	1	45000	0.47
95 Mo	72	1	1170397	1.55
107 Ag	115	1	3562672	0.61
111 Cd	115	1	593878	0.31
118 Sn	115	1	1644842	1.44
121 Sb	115	1	1630817	0.85
137 Ba	115	1	767620	0.20
205 Tl	165	1	6410211	0.74
208 Pb	165	1	8767212	0.38
232 Th	165	1	8390740	1.97
238 U	165	1	9018701	0.79

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	527696	0.76	542197	97.3	30 - 120	
45 Sc	1	2771787	0.60	2850994	97.2	30 - 120	
72 Ge	1	1715870	0.51	1758913	97.6	30 - 120	
115 In	1	5555146	0.21	5681129	97.8	30 - 120	
165 Ho	1	10802690	0.66	10936779	98.8	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\108_CCV.D\108_CCV.D#
Date Acquired: Apr 2 2012 10:20 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.64	ppb	1.72	50	99.3	90 - 110	
51 V	72	1	50.81	ppb	1.62	50	101.6	90 - 110	
52 Cr	72	1	50.87	ppb	0.74	50	101.7	90 - 110	
55 Mn	72	1	51.05	ppb	0.52	50	102.1	90 - 110	
59 Co	72	1	51.27	ppb	1.17	50	102.5	90 - 110	
60 Ni	72	1	48.48	ppb	0.49	50	97.0	90 - 110	
63 Cu	72	1	50.72	ppb	1.21	50	101.4	90 - 110	
66 Zn	72	1	49.99	ppb	0.13	50	100.0	90 - 110	
75 As	72	1	49.86	ppb	0.29	50	99.7	90 - 110	
78 Se	72	1	50.43	ppb	2.17	50	100.9	90 - 110	
95 Mo	72	1	49.33	ppb	0.46	50	98.7	90 - 110	
107 Ag	115	1	51.19	ppb	1.60	50	102.4	90 - 110	
111 Cd	115	1	49.81	ppb	0.65	50	99.6	90 - 110	
118 Sn	115	1	48.82	ppb	1.20	50	97.6	90 - 110	
121 Sb	115	1	49.18	ppb	1.09	50	98.4	90 - 110	
137 Ba	115	1	49.96	ppb	0.53	50	99.9	90 - 110	
205 Tl	165	1	51.01	ppb	1.12	50	102.0	90 - 110	
208 Pb	165	1	50.63	ppb	0.44	50	101.3	90 - 110	
232 Th	165	1	50.11	ppb	0.98	50	100.2	90 - 110	
238 U	165	1	50.09	ppb	1.28	50	100.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	525334	0.77	542197	96.9	30 - 120	
45 Sc	1	2751145	0.20	2850994	96.5	30 - 120	
72 Ge	1	1696827	0.27	1758913	96.5	30 - 120	
115 In	1	5542774	0.94	5681129	97.6	30 - 120	
165 Ho	1	10816436	0.27	10936779	98.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\109_CCB.D\109_CCB.D#
Date Acquired: Apr 2 2012 10:23 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element		IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9	Be	6	1	0.021	ppb	124.97	1.00	
51	V	72	1	0.007	ppb	154.14	1.00	
52	Cr	72	1	0.008	ppb	134.72	1.00	
55	Mn	72	1	0.077	ppb	6.27	1.00	
59	Co	72	1	0.010	ppb	27.00	1.00	
60	Ni	72	1	0.011	ppb	14.63	1.00	
63	Cu	72	1	0.022	ppb	17.54	1.00	
66	Zn	72	1	0.065	ppb	9.74	1.00	
75	As	72	1	0.005	ppb	56.58	1.00	
78	Se	72	1	-0.012	ppb	152.53	1.00	
95	Mo	72	1	0.014	ppb	32.78	1.00	
107	Ag	115	1	0.018	ppb	21.66	1.00	
111	Cd	115	1	0.007	ppb	128.51	1.00	
118	Sn	115	1	0.048	ppb	17.36	1.00	
121	Sb	115	1	0.063	ppb	5.49	1.00	
137	Ba	115	1	0.016	ppb	17.53	1.00	
205	Tl	165	1	0.035	ppb	10.10	1.00	
208	Pb	165	1	0.017	ppb	12.20	1.00	
232	Th	165	1	0.069	ppb	13.88	1.00	
238	U	165	1	0.012	ppb	16.66	1.00	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	521762	0.71	542197	96.2	30 - 120	
45	Sc	1	2727927	0.73	2850994	95.7	30 - 120	
72	Ge	1	1697120	0.35	1758913	96.5	30 - 120	
115	In	1	5512751	0.85	5681129	97.0	30 - 120	
165	Ho	1	10753336	0.35	10936779	98.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\110WASH.D\110WASH.D#
Date Acquired: Apr 2 2012 10:26 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.992 ppb	1.42	1.30	
51 V	72	1	5.242 ppb	0.19	6.50	
52 Cr	72	1	2.080 ppb	1.72	2.60	
55 Mn	72	1	1.133 ppb	2.27	1.30	
59 Co	72	1	1.053 ppb	2.01	1.30	
60 Ni	72	1	2.035 ppb	2.73	2.60	
63 Cu	72	1	2.125 ppb	1.82	2.60	
66 Zn	72	1	10.580 ppb	0.75	13.00	
75 As	72	1	5.068 ppb	1.12	6.50	
78 Se	72	1	4.904 ppb	6.13	6.50	
95 Mo	72	1	2.066 ppb	4.98	2.60	
107 Ag	115	1	5.130 ppb	0.66	6.50	
111 Cd	115	1	1.015 ppb	3.75	1.30	
118 Sn	115	1	9.883 ppb	1.89	13.00	
121 Sb	115	1	2.027 ppb	0.78	2.60	
137 Ba	115	1	1.050 ppb	2.38	1.30	
205 Tl	165	1	1.063 ppb	1.44	1.30	
208 Pb	165	1	1.034 ppb	1.11	1.30	
232 Th	165	1	2.066 ppb	2.02	2.60	
238 U	165	1	1.027 ppb	0.34	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	520841	0.82	542197	96.1	30 - 120	
45 Sc	1	2751899	0.53	2850994	96.5	30 - 120	
72 Ge	1	1698696	0.95	1758913	96.6	30 - 120	
115 In	1	5540316	0.71	5681129	97.5	30 - 120	
165 Ho	1	10702934	0.56	10936779	97.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\111SMPL.D\111SMPL.D#
Date Acquired: Apr 2 2012 10:29 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: SOIL MDLV
Vial Number: 2501
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.25	3600	
51 V	72	1	-0.02	-0.02	ppb	29.31	3600	
52 Cr	72	1	0.05	0.05	ppb	6.75	3600	
55 Mn	72	1	0.02	0.02	ppb	18.88	18000	
59 Co	72	1	0.00	0.00	ppb	63.10	3600	
60 Ni	72	1	0.04	0.04	ppb	44.21	3600	
63 Cu	72	1	0.16	0.16	ppb	3.25	3600	
66 Zn	72	1	2.95	2.95	ppb	0.25	3600	
75 As	72	1	0.00	0.00	ppb	398.80	3600	
78 Se	72	1	-0.08	-0.08	ppb	266.42	3600	
95 Mo	72	1	0.00	0.00	ppb	105.56	3600	
107 Ag	115	1	0.01	0.01	ppb	28.46	3600	
111 Cd	115	1	0.01	0.01	ppb	77.55	3600	
118 Sn	115	1	0.04	0.04	ppb	17.39	3600	
121 Sb	115	1	0.02	0.02	ppb	7.48	3600	
137 Ba	115	1	0.52	0.52	ppb	1.16	3600	
205 Tl	165	1	0.01	0.01	ppb	4.18	3600	
208 Pb	165	1	0.03	0.03	ppb	7.03	3600	
232 Th	165	1	0.02	0.02	ppb	2.15	1000	
238 U	165	1	0.01	0.01	ppb	10.80	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	524518	0.20	542197	96.7	30 - 120	
45 Sc	1	2757631	2.50	2850994	96.7	30 - 120	
72 Ge	1	1686553	0.77	1758913	95.9	30 - 120	
115 In	1	5557911	0.29	5681129	97.8	30 - 120	
165 Ho	1	10806829	0.62	10936779	98.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\112SMPL.D\112SMPL.D#
Date Acquired: Apr 2 2012 10:32 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV1
Misc Info:
Vial Number: 2502
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.14	0.14	ppb	10.30	3600	
51 V	72	1	0.18	0.18	ppb	11.76	3600	
52 Cr	72	1	0.46	0.46	ppb	0.74	3600	
55 Mn	72	1	0.27	0.27	ppb	1.03	18000	
59 Co	72	1	0.04	0.04	ppb	12.07	3600	
60 Ni	72	1	0.25	0.25	ppb	9.51	3600	
63 Cu	72	1	0.62	0.62	ppb	1.80	3600	
66 Zn	72	1	2.20	2.20	ppb	2.30	3600	
75 As	72	1	0.32	0.32	ppb	4.86	3600	
78 Se	72	1	0.20	0.20	ppb	86.28	3600	
95 Mo	72	1	0.15	0.15	ppb	8.02	3600	
107 Ag	115	1	0.13	0.13	ppb	1.05	3600	
111 Cd	115	1	0.06	0.06	ppb	16.63	3600	
118 Sn	115	1	0.42	0.42	ppb	1.53	3600	
121 Sb	115	1	0.09	0.09	ppb	1.36	3600	
137 Ba	115	1	0.90	0.90	ppb	0.61	3600	
205 Tl	165	1	0.03	0.03	ppb	0.76	3600	
208 Pb	165	1	0.18	0.18	ppb	4.88	3600	
232 Th	165	1	0.21	0.21	ppb	1.44	1000	
238 U	165	1	0.02	0.02	ppb	8.62	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	532325	0.78	542197	98.2	30 - 120	
45 Sc	1	2753328	0.75	2850994	96.6	30 - 120	
72 Ge	1	1701980	1.57	1758913	96.8	30 - 120	
115 In	1	5562415	1.02	5681129	97.9	30 - 120	
165 Ho	1	10691402	1.74	10936779	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\113SMPL.D\113SMPL.D#
Date Acquired: Apr 2 2012 10:34 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV2
Misc Info:
Vial Number: 2503
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.11	0.11	ppb	17.46	3600	
51 V	72	1	0.23	0.23	ppb	8.40	3600	
52 Cr	72	1	0.40	0.40	ppb	2.99	3600	
55 Mn	72	1	0.24	0.24	ppb	5.16	18000	
59 Co	72	1	0.04	0.04	ppb	6.77	3600	
60 Ni	72	1	0.22	0.22	ppb	0.84	3600	
63 Cu	72	1	0.63	0.63	ppb	1.45	3600	
66 Zn	72	1	2.16	2.16	ppb	1.24	3600	
75 As	72	1	0.30	0.30	ppb	4.28	3600	
78 Se	72	1	0.36	0.36	ppb	60.36	3600	
95 Mo	72	1	0.12	0.12	ppb	15.36	3600	
107 Ag	115	1	0.13	0.13	ppb	3.02	3600	
111 Cd	115	1	0.05	0.05	ppb	17.99	3600	
118 Sn	115	1	0.41	0.41	ppb	2.61	3600	
121 Sb	115	1	0.09	0.09	ppb	3.49	3600	
137 Ba	115	1	0.52	0.52	ppb	0.96	3600	
205 Tl	165	1	0.02	0.02	ppb	11.72	3600	
208 Pb	165	1	0.15	0.15	ppb	3.08	3600	
232 Th	165	1	0.20	0.20	ppb	2.07	1000	
238 U	165	1	0.01	0.01	ppb	11.55	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	526112	0.53	542197	97.0	30 - 120	
45 Sc	1	2747204	0.32	2850994	96.4	30 - 120	
72 Ge	1	1686924	0.90	1758913	95.9	30 - 120	
115 In	1	5539723	0.25	5681129	97.5	30 - 120	
165 Ho	1	10855452	1.51	10936779	99.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\114SMPL.D\114SMPL.D#
Date Acquired: Apr 2 2012 10:37 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: 6020 MDLV
Vial Number: 2504
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	173.24	3600	
51 V	72	1	0.00	0.00	ppb	739.18	3600	
52 Cr	72	1	0.03	0.03	ppb	19.48	3600	
55 Mn	72	1	0.00	0.00	ppb	411.79	18000	
59 Co	72	1	0.00	0.00	ppb	73.48	3600	
60 Ni	72	1	0.01	0.01	ppb	38.92	3600	
63 Cu	72	1	0.02	0.02	ppb	6.53	3600	
66 Zn	72	1	0.52	0.52	ppb	1.91	3600	
75 As	72	1	0.00	0.00	ppb	13.95	3600	
78 Se	72	1	-0.02	-0.02	ppb	185.65	3600	
95 Mo	72	1	-0.01	-0.01	ppb	49.07	3600	
107 Ag	115	1	0.00	0.00	ppb	110.30	3600	
111 Cd	115	1	0.02	0.02	ppb	23.20	3600	
118 Sn	115	1	0.03	0.03	ppb	29.16	3600	
121 Sb	115	1	0.00	0.00	ppb	34.47	3600	
137 Ba	115	1	0.01	0.01	ppb	66.77	3600	
205 Tl	165	1	0.00	0.00	ppb	26.73	3600	
208 Pb	165	1	0.00	0.00	ppb	137.08	3600	
232 Th	165	1	0.01	0.01	ppb	23.85	1000	
238 U	165	1	0.00	0.00	ppb	34.14	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	531396	0.24	542197	98.0	30 - 120	
45 Sc	1	2746560	1.24	2850994	96.3	30 - 120	
72 Ge	1	1671711	1.07	1758913	95.0	30 - 120	
115 In	1	5575408	1.44	5681129	98.1	30 - 120	
165 Ho	1	10865510	0.11	10936779	99.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\115SMPL.D\115SMPL.D#
Date Acquired: Apr 2 2012 10:40 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV1
Misc Info:
Vial Number: 2505
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.27	0.27	ppb	23.51	3600	
51 V	72	1	1.08	1.08	ppb	3.73	3600	
52 Cr	72	1	1.67	1.67	ppb	2.67	3600	
55 Mn	72	1	1.12	1.12	ppb	1.70	18000	
59 Co	72	1	0.11	0.11	ppb	6.48	3600	
60 Ni	72	1	0.93	0.93	ppb	0.91	3600	
63 Cu	72	1	1.54	1.54	ppb	1.62	3600	
66 Zn	72	1	6.11	6.11	ppb	0.42	3600	
75 As	72	1	0.87	0.87	ppb	3.21	3600	
78 Se	72	1	1.77	1.77	ppb	13.03	3600	
95 Mo	72	1	0.47	0.47	ppb	1.47	3600	
107 Ag	115	1	0.10	0.10	ppb	5.93	3600	
111 Cd	115	1	0.12	0.12	ppb	16.14	3600	
118 Sn	115	1	1.96	1.96	ppb	1.21	3600	
121 Sb	115	1	0.54	0.54	ppb	2.19	3600	
137 Ba	115	1	0.90	0.90	ppb	2.16	3600	
205 Tl	165	1	0.11	0.11	ppb	1.67	3600	
208 Pb	165	1	0.53	0.53	ppb	2.54	3600	
232 Th	165	1	3.64	3.64	ppb	1.27	1000	
238 U	165	1	0.07	0.07	ppb	1.82	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	529665	0.58	542197	97.7	30 - 120	
45 Sc	1	2739309	1.40	2850994	96.1	30 - 120	
72 Ge	1	1593423	0.84	1758913	90.6	30 - 120	
115 In	1	5479867	0.85	5681129	96.5	30 - 120	
165 Ho	1	10780004	0.01	10936779	98.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\116SMPL.D\116SMPL.D#
Date Acquired: Apr 2 2012 10:43 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV2
Misc Info:
Vial Number: 2506
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.22	0.22	ppb	35.33	3600	
51 V	72	1	1.03	1.03	ppb	2.57	3600	
52 Cr	72	1	1.68	1.68	ppb	1.55	3600	
55 Mn	72	1	1.06	1.06	ppb	3.28	18000	
59 Co	72	1	0.11	0.11	ppb	9.66	3600	
60 Ni	72	1	0.91	0.91	ppb	0.99	3600	
63 Cu	72	1	1.54	1.54	ppb	1.24	3600	
66 Zn	72	1	5.97	5.97	ppb	1.38	3600	
75 As	72	1	0.88	0.88	ppb	5.17	3600	
78 Se	72	1	1.50	1.50	ppb	27.36	3600	
95 Mo	72	1	0.47	0.47	ppb	1.32	3600	
107 Ag	115	1	0.11	0.11	ppb	2.32	3600	
111 Cd	115	1	0.11	0.11	ppb	2.38	3600	
118 Sn	115	1	2.02	2.02	ppb	2.33	3600	
121 Sb	115	1	0.53	0.53	ppb	3.20	3600	
137 Ba	115	1	0.88	0.88	ppb	1.06	3600	
205 Tl	165	1	0.11	0.11	ppb	2.44	3600	
208 Pb	165	1	0.52	0.52	ppb	0.81	3600	
232 Th	165	1	3.64	3.64	ppb	1.03	1000	
238 U	165	1	0.07	0.07	ppb	2.66	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	531255	0.20	542197	98.0	30 - 120	
45 Sc	1	2753399	0.77	2850994	96.6	30 - 120	
72 Ge	1	1597657	0.85	1758913	90.8	30 - 120	
115 In	1	5515143	0.54	5681129	97.1	30 - 120	
165 Ho	1	10911079	0.52	10936779	99.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\117_CCV.D\117_CCV.D#
Date Acquired: Apr 2 2012 10:46 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.35	ppb	1.76	50	98.7	90 - 110	
51 V	72	1	51.34	ppb	0.35	50	102.7	90 - 110	
52 Cr	72	1	50.75	ppb	1.78	50	101.5	90 - 110	
55 Mn	72	1	51.08	ppb	0.58	50	102.2	90 - 110	
59 Co	72	1	51.67	ppb	1.59	50	103.3	90 - 110	
60 Ni	72	1	48.41	ppb	1.52	50	96.8	90 - 110	
63 Cu	72	1	50.95	ppb	1.82	50	101.9	90 - 110	
66 Zn	72	1	50.05	ppb	0.74	50	100.1	90 - 110	
75 As	72	1	49.88	ppb	0.77	50	99.8	90 - 110	
78 Se	72	1	49.00	ppb	1.06	50	98.0	90 - 110	
95 Mo	72	1	49.63	ppb	1.14	50	99.3	90 - 110	
107 Ag	115	1	50.82	ppb	1.87	50	101.6	90 - 110	
111 Cd	115	1	49.85	ppb	0.91	50	99.7	90 - 110	
118 Sn	115	1	49.02	ppb	0.73	50	98.0	90 - 110	
121 Sb	115	1	49.42	ppb	0.85	50	98.8	90 - 110	
137 Ba	115	1	50.00	ppb	0.97	50	100.0	90 - 110	
205 Tl	165	1	51.10	ppb	0.53	50	102.2	90 - 110	
208 Pb	165	1	50.83	ppb	0.63	50	101.7	90 - 110	
232 Th	165	1	50.37	ppb	1.30	50	100.7	90 - 110	
238 U	165	1	50.41	ppb	0.60	50	100.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	531158	1.96	542197	98.0	30 - 120	
45 Sc	1	2734921	0.21	2850994	95.9	30 - 120	
72 Ge	1	1692316	0.30	1758913	96.2	30 - 120	
115 In	1	5545993	0.74	5681129	97.6	30 - 120	
165 Ho	1	10852195	0.41	10936779	99.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\118_CCB.D\118_CCB.D#
Date Acquired: Apr 2 2012 10:49 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.004	ppb	173.22	1.00	
51 V	72	1	0.014	ppb	17.27	1.00	
52 Cr	72	1	0.011	ppb	51.67	1.00	
55 Mn	72	1	0.065	ppb	6.33	1.00	
59 Co	72	1	0.006	ppb	5.56	1.00	
60 Ni	72	1	0.012	ppb	35.18	1.00	
63 Cu	72	1	0.024	ppb	32.74	1.00	
66 Zn	72	1	0.067	ppb	8.98	1.00	
75 As	72	1	0.002	ppb	306.39	1.00	
78 Se	72	1	-0.013	ppb	1222.40	1.00	
95 Mo	72	1	0.015	ppb	46.46	1.00	
107 Ag	115	1	0.013	ppb	20.54	1.00	
111 Cd	115	1	-0.003	ppb	137.70	1.00	
118 Sn	115	1	0.034	ppb	13.22	1.00	
121 Sb	115	1	0.041	ppb	8.42	1.00	
137 Ba	115	1	0.013	ppb	26.03	1.00	
205 Tl	165	1	0.026	ppb	15.71	1.00	
208 Pb	165	1	0.016	ppb	14.35	1.00	
232 Th	165	1	0.060	ppb	18.90	1.00	
238 U	165	1	0.009	ppb	9.74	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	528229	1.25	542197	97.4	30 - 120	
45 Sc	1	2721671	0.48	2850994	95.5	30 - 120	
72 Ge	1	1674029	0.41	1758913	95.2	30 - 120	
115 In	1	5520442	0.65	5681129	97.2	30 - 120	
165 Ho	1	10739994	0.53	10936779	98.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\119WASH.D\119WASH.D#
Date Acquired: Apr 2 2012 10:52 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.072 ppb	6.92	1.30	
51 V	72	1	5.252 ppb	2.13	6.50	
52 Cr	72	1	2.053 ppb	3.33	2.60	
55 Mn	72	1	1.163 ppb	1.36	1.30	
59 Co	72	1	1.049 ppb	1.82	1.30	
60 Ni	72	1	2.044 ppb	2.62	2.60	
63 Cu	72	1	2.122 ppb	1.70	2.60	
66 Zn	72	1	10.580 ppb	1.00	13.00	
75 As	72	1	4.987 ppb	1.23	6.50	
78 Se	72	1	5.032 ppb	8.97	6.50	
95 Mo	72	1	2.041 ppb	0.87	2.60	
107 Ag	115	1	5.122 ppb	1.04	6.50	
111 Cd	115	1	1.042 ppb	0.58	1.30	
118 Sn	115	1	9.990 ppb	2.25	13.00	
121 Sb	115	1	2.014 ppb	2.37	2.60	
137 Ba	115	1	1.058 ppb	3.72	1.30	
205 Tl	165	1	1.064 ppb	0.97	1.30	
208 Pb	165	1	1.059 ppb	0.69	1.30	
232 Th	165	1	2.082 ppb	2.44	2.60	
238 U	165	1	1.039 ppb	0.84	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	522047	0.25	542197	96.3	30 - 120	
45 Sc	1	2719056	0.46	2850994	95.4	30 - 120	
72 Ge	1	1690931	0.93	1758913	96.1	30 - 120	
115 In	1	5516726	0.67	5681129	97.1	30 - 120	
165 Ho	1	10701484	0.22	10936779	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\120SMPL.D\120SMPL.D#
Date Acquired: Apr 2 2012 10:55 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: SOIL MDLV
Vial Number: 2501
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	99.69	3600	
51 V	72	1	0.01	0.01	ppb	39.50	3600	
52 Cr	72	1	0.04	0.04	ppb	7.58	3600	
55 Mn	72	1	0.06	0.06	ppb	7.38	18000	
59 Co	72	1	0.00	0.00	ppb	28.31	3600	
60 Ni	72	1	0.04	0.04	ppb	22.88	3600	
63 Cu	72	1	0.14	0.14	ppb	2.23	3600	
66 Zn	72	1	2.89	2.89	ppb	2.13	3600	
75 As	72	1	0.00	0.00	ppb	234.52	3600	
78 Se	72	1	0.04	0.04	ppb	118.22	3600	
95 Mo	72	1	0.01	0.01	ppb	53.79	3600	
107 Ag	115	1	0.00	0.00	ppb	14.26	3600	
111 Cd	115	1	0.01	0.01	ppb	130.85	3600	
118 Sn	115	1	0.05	0.05	ppb	5.03	3600	
121 Sb	115	1	0.02	0.02	ppb	10.98	3600	
137 Ba	115	1	0.55	0.55	ppb	4.24	3600	
205 Tl	165	1	0.01	0.01	ppb	3.93	3600	
208 Pb	165	1	0.04	0.04	ppb	11.32	3600	
232 Th	165	1	0.01	0.01	ppb	5.28	1000	
238 U	165	1	0.01	0.01	ppb	11.50	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	522897	0.53	542197	96.4	30 - 120	
45 Sc	1	2766299	0.30	2850994	97.0	30 - 120	
72 Ge	1	1680850	0.83	1758913	95.6	30 - 120	
115 In	1	5511825	0.90	5681129	97.0	30 - 120	
165 Ho	1	10758587	0.76	10936779	98.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\121SMPL.D\121SMPL.D#
Date Acquired: Apr 2 2012 10:58 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV1
Misc Info:
Vial Number: 2502
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.12	0.12	ppb	30.40	3600	
51 V	72	1	0.20	0.20	ppb	9.97	3600	
52 Cr	72	1	0.45	0.45	ppb	1.61	3600	
55 Mn	72	1	0.26	0.26	ppb	5.87	18000	
59 Co	72	1	0.04	0.04	ppb	7.23	3600	
60 Ni	72	1	0.25	0.25	ppb	3.20	3600	
63 Cu	72	1	0.61	0.61	ppb	3.88	3600	
66 Zn	72	1	2.16	2.16	ppb	1.55	3600	
75 As	72	1	0.31	0.31	ppb	6.17	3600	
78 Se	72	1	0.44	0.44	ppb	32.94	3600	
95 Mo	72	1	0.12	0.12	ppb	6.52	3600	
107 Ag	115	1	0.13	0.13	ppb	6.00	3600	
111 Cd	115	1	0.06	0.06	ppb	33.69	3600	
118 Sn	115	1	0.41	0.41	ppb	5.21	3600	
121 Sb	115	1	0.09	0.09	ppb	6.78	3600	
137 Ba	115	1	0.87	0.87	ppb	1.45	3600	
205 Tl	165	1	0.02	0.02	ppb	10.55	3600	
208 Pb	165	1	0.16	0.16	ppb	4.57	3600	
232 Th	165	1	0.21	0.21	ppb	5.16	1000	
238 U	165	1	0.01	0.01	ppb	2.75	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	525133	0.47	542197	96.9	30 - 120	
45 Sc	1	2744651	1.36	2850994	96.3	30 - 120	
72 Ge	1	1700966	1.37	1758913	96.7	30 - 120	
115 In	1	5517406	0.86	5681129	97.1	30 - 120	
165 Ho	1	10743495	1.15	10936779	98.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\122SMPL.D\122SMPL.D#
Date Acquired: Apr 2 2012 11:01 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV2
Misc Info:
Vial Number: 2503
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.17	0.17	ppb	15.27	3600	
51 V	72	1	0.23	0.23	ppb	5.98	3600	
52 Cr	72	1	0.42	0.42	ppb	3.54	3600	
55 Mn	72	1	0.22	0.22	ppb	1.55	18000	
59 Co	72	1	0.04	0.04	ppb	5.36	3600	
60 Ni	72	1	0.21	0.21	ppb	9.64	3600	
63 Cu	72	1	0.61	0.61	ppb	6.70	3600	
66 Zn	72	1	2.12	2.12	ppb	1.12	3600	
75 As	72	1	0.31	0.31	ppb	4.57	3600	
78 Se	72	1	0.68	0.68	ppb	6.05	3600	
95 Mo	72	1	0.09	0.09	ppb	2.96	3600	
107 Ag	115	1	0.12	0.12	ppb	4.10	3600	
111 Cd	115	1	0.05	0.05	ppb	13.49	3600	
118 Sn	115	1	0.40	0.40	ppb	2.72	3600	
121 Sb	115	1	0.08	0.08	ppb	2.94	3600	
137 Ba	115	1	0.50	0.50	ppb	2.16	3600	
205 Tl	165	1	0.02	0.02	ppb	3.58	3600	
208 Pb	165	1	0.14	0.14	ppb	3.75	3600	
232 Th	165	1	0.21	0.21	ppb	1.02	1000	
238 U	165	1	0.01	0.01	ppb	2.93	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	523712	0.23	542197	96.6	30 - 120	
45 Sc	1	2740861	1.08	2850994	96.1	30 - 120	
72 Ge	1	1675600	1.15	1758913	95.3	30 - 120	
115 In	1	5546388	0.75	5681129	97.6	30 - 120	
165 Ho	1	10773779	0.30	10936779	98.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\123SMPL.D\123SMPL.D#
Date Acquired: Apr 2 2012 11:04 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: HOT Sb MDLV
Vial Number: 2507
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	-1.75	-1.75	ppb	17.74	3600	
52 Cr	72	1	46.05	46.05	ppb	0.36	3600	
55 Mn	72	1	5.12	5.12	ppb	0.59	18000	
59 Co	72	1	0.33	0.33	ppb	2.14	3600	
60 Ni	72	1	22.33	22.33	ppb	0.29	3600	
63 Cu	72	1	1.82	1.82	ppb	0.39	3600	
66 Zn	72	1	1.05	1.05	ppb	4.61	3600	
75 As	72	1	0.45	0.45	ppb	3.01	3600	
78 Se	72	1	-0.12	-0.12	ppb	59.36	3600	
95 Mo	72	1	1.35	1.35	ppb	2.07	3600	
107 Ag	115	1	0.01	0.01	ppb	8.23	3600	
111 Cd	115	1	-0.02	-0.02	ppb	46.06	3600	
118 Sn	115	1	0.20	0.20	ppb	7.80	3600	
121 Sb	115	1	0.10	0.10	ppb	9.54	3600	
137 Ba	115	1	0.34	0.34	ppb	5.25	3600	
205 Tl	165	1	0.03	0.03	ppb	45.92	3600	
208 Pb	165	1	0.10	0.10	ppb	14.13	3600	
232 Th	165	1	0.00	0.00	ppb	21.18	1000	
238 U	165	1	0.01	0.01	ppb	7.97	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	539008	3.11	542197	99.4	30 - 120	
45 Sc	1	2545460	1.28	2850994	89.3	30 - 120	
72 Ge	1	1588220	0.83	1758913	90.3	30 - 120	
115 In	1	5232184	0.26	5681129	92.1	30 - 120	
165 Ho	1	10452670	0.05	10936779	95.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\124SMPL.D\124SMPL.D#
Date Acquired: Apr 2 2012 11:06 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: HOT Sb MDLV
Vial Number: 2508
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	-0.99	-0.99	ppb	19.30	3600	
52 Cr	72	1	0.35	0.35	ppb	1.82	3600	
55 Mn	72	1	0.37	0.37	ppb	3.30	18000	
59 Co	72	1	0.00	0.00	ppb	24.50	3600	
60 Ni	72	1	0.18	0.18	ppb	7.54	3600	
63 Cu	72	1	0.41	0.41	ppb	4.52	3600	
66 Zn	72	1	0.96	0.96	ppb	3.32	3600	
75 As	72	1	0.43	0.43	ppb	2.85	3600	
78 Se	72	1	0.09	0.09	ppb	199.44	3600	
95 Mo	72	1	0.04	0.04	ppb	31.36	3600	
107 Ag	115	1	0.01	0.01	ppb	14.24	3600	
111 Cd	115	1	-0.01	-0.01	ppb	65.44	3600	
118 Sn	115	1	0.15	0.15	ppb	3.13	3600	
121 Sb	115	1	0.08	0.08	ppb	9.09	3600	
137 Ba	115	1	0.36	0.36	ppb	5.66	3600	
205 Tl	165	1	0.01	0.01	ppb	17.95	3600	
208 Pb	165	1	0.08	0.08	ppb	2.15	3600	
232 Th	165	1	0.00	0.00	ppb	41.34	1000	
238 U	165	1	0.01	0.01	ppb	7.48	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	527684	0.50	542197	97.3	30 - 120	
45 Sc	1	2497667	0.35	2850994	87.6	30 - 120	
72 Ge	1	1546009	0.71	1758913	87.9	30 - 120	
115 In	1	5210173	1.13	5681129	91.7	30 - 120	
165 Ho	1	10398837	0.62	10936779	95.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\125SMPL.D\125SMPL.D#
Date Acquired: Apr 2 2012 11:09 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV1
Misc Info:
Vial Number: 2509
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	-1.17	-1.17	ppb	9.31	3600	
52 Cr	72	1	0.25	0.25	ppb	3.27	3600	
55 Mn	72	1	0.33	0.33	ppb	3.33	18000	
59 Co	72	1	0.00	0.00	ppb	167.21	3600	
60 Ni	72	1	0.11	0.11	ppb	21.83	3600	
63 Cu	72	1	0.36	0.36	ppb	2.99	3600	
66 Zn	72	1	0.91	0.91	ppb	5.52	3600	
75 As	72	1	0.45	0.45	ppb	4.05	3600	
78 Se	72	1	-0.23	-0.23	ppb	70.55	3600	
95 Mo	72	1	0.01	0.01	ppb	92.77	3600	
107 Ag	115	1	0.12	0.12	ppb	5.37	3600	
111 Cd	115	1	-0.01	-0.01	ppb	44.80	3600	
118 Sn	115	1	0.48	0.48	ppb	6.12	3600	
121 Sb	115	1	0.14	0.14	ppb	2.12	3600	
137 Ba	115	1	0.22	0.22	ppb	1.37	3600	
205 Tl	165	1	0.00	0.00	ppb	7.79	3600	
208 Pb	165	1	0.18	0.18	ppb	2.44	3600	
232 Th	165	1	0.00	0.00	ppb	126.20	1000	
238 U	165	1	0.01	0.01	ppb	7.08	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	518950	1.40	542197	95.7	30 - 120	
45 Sc	1	2461096	0.07	2850994	86.3	30 - 120	
72 Ge	1	1508891	0.82	1758913	85.8	30 - 120	
115 In	1	5151324	0.69	5681129	90.7	30 - 120	
165 Ho	1	10335030	1.07	10936779	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\126SMPL.D\126SMPL.D#
Date Acquired: Apr 2 2012 11:12 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV2
Misc Info:
Vial Number: 2510
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	173.20	3600	
51 V	72	1	-1.14	-1.14	ppb	18.25	3600	
52 Cr	72	1	0.24	0.24	ppb	4.61	3600	
55 Mn	72	1	0.19	0.19	ppb	3.86	18000	
59 Co	72	1	0.00	0.00	ppb	95.05	3600	
60 Ni	72	1	0.09	0.09	ppb	15.08	3600	
63 Cu	72	1	0.32	0.32	ppb	4.07	3600	
66 Zn	72	1	0.89	0.89	ppb	4.52	3600	
75 As	72	1	0.44	0.44	ppb	7.49	3600	
78 Se	72	1	-0.01	-0.01	ppb	1767.90	3600	
95 Mo	72	1	0.00	0.00	ppb	246.07	3600	
107 Ag	115	1	0.14	0.14	ppb	0.12	3600	
111 Cd	115	1	-0.01	-0.01	ppb	31.31	3600	
118 Sn	115	1	0.51	0.51	ppb	3.44	3600	
121 Sb	115	1	0.14	0.14	ppb	0.52	3600	
137 Ba	115	1	0.28	0.28	ppb	4.08	3600	
205 Tl	165	1	0.00	0.00	ppb	29.01	3600	
208 Pb	165	1	0.16	0.16	ppb	1.60	3600	
232 Th	165	1	0.00	0.00	ppb	360.21	1000	
238 U	165	1	0.00	0.00	ppb	11.72	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	511474	0.60	542197	94.3	30 - 120	
45 Sc	1	2434081	1.38	2850994	85.4	30 - 120	
72 Ge	1	1518727	0.88	1758913	86.3	30 - 120	
115 In	1	5128202	0.25	5681129	90.3	30 - 120	
165 Ho	1	10323794	1.03	10936779	94.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\127_CCV.D\127_CCV.D#
Date Acquired: Apr 2 2012 11:15 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.74	ppb	2.24	50	99.5	90 - 110	
51 V	72	1	49.54	ppb	2.64	50	99.1	90 - 110	
52 Cr	72	1	49.81	ppb	1.13	50	99.6	90 - 110	
55 Mn	72	1	50.83	ppb	1.06	50	101.7	90 - 110	
59 Co	72	1	50.75	ppb	1.54	50	101.5	90 - 110	
60 Ni	72	1	47.34	ppb	0.85	50	94.7	90 - 110	
63 Cu	72	1	50.06	ppb	0.89	50	100.1	90 - 110	
66 Zn	72	1	49.77	ppb	0.61	50	99.5	90 - 110	
75 As	72	1	49.04	ppb	0.62	50	98.1	90 - 110	
78 Se	72	1	50.49	ppb	0.70	50	101.0	90 - 110	
95 Mo	72	1	49.42	ppb	0.59	50	98.8	90 - 110	
107 Ag	115	1	50.63	ppb	1.23	50	101.3	90 - 110	
111 Cd	115	1	49.47	ppb	0.45	50	98.9	90 - 110	
118 Sn	115	1	49.28	ppb	0.59	50	98.6	90 - 110	
121 Sb	115	1	48.99	ppb	0.20	50	98.0	90 - 110	
137 Ba	115	1	50.45	ppb	0.72	50	100.9	90 - 110	
205 Tl	165	1	51.92	ppb	0.80	50	103.8	90 - 110	
208 Pb	165	1	51.42	ppb	0.46	50	102.8	90 - 110	
232 Th	165	1	52.23	ppb	1.28	50	104.5	90 - 110	
238 U	165	1	52.85	ppb	0.72	50	105.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	467571	0.76	542197	86.2	30 - 120	
45 Sc	1	2400607	0.67	2850994	84.2	30 - 120	
72 Ge	1	1508014	0.41	1758913	85.7	30 - 120	
115 In	1	5070133	0.49	5681129	89.2	30 - 120	
165 Ho	1	10154615	0.64	10936779	92.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\128_CCB.D\128_CCB.D#
Date Acquired: Apr 2 2012 11:18 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.010	ppb	173.22	1.00	
51 V	72	1	-0.002	ppb	447.17	1.00	
52 Cr	72	1	0.000	ppb	1677.00	1.00	
55 Mn	72	1	0.057	ppb	17.79	1.00	
59 Co	72	1	0.003	ppb	53.59	1.00	
60 Ni	72	1	0.011	ppb	4.41	1.00	
63 Cu	72	1	0.010	ppb	36.11	1.00	
66 Zn	72	1	0.067	ppb	37.52	1.00	
75 As	72	1	0.005	ppb	34.42	1.00	
78 Se	72	1	-0.079	ppb	81.04	1.00	
95 Mo	72	1	-0.001	ppb	786.13	1.00	
107 Ag	115	1	0.012	ppb	1.94	1.00	
111 Cd	115	1	-0.007	ppb	115.39	1.00	
118 Sn	115	1	0.027	ppb	36.00	1.00	
121 Sb	115	1	0.039	ppb	10.47	1.00	
137 Ba	115	1	0.006	ppb	47.40	1.00	
205 Tl	165	1	0.020	ppb	9.80	1.00	
208 Pb	165	1	0.009	ppb	32.69	1.00	
232 Th	165	1	0.062	ppb	16.99	1.00	
238 U	165	1	0.007	ppb	5.93	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	472875	0.40	542197	87.2	30 - 120	
45 Sc	1	2441824	0.34	2850994	85.6	30 - 120	
72 Ge	1	1530644	0.88	1758913	87.0	30 - 120	
115 In	1	5158346	0.60	5681129	90.8	30 - 120	
165 Ho	1	10130089	0.88	10936779	92.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\129WASH.D\129WASH.D#
Date Acquired: Apr 2 2012 11:21 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.878 ppb	10.55	1.30	
51 V	72	1	5.212 ppb	2.19	6.50	
52 Cr	72	1	2.044 ppb	0.89	2.60	
55 Mn	72	1	1.111 ppb	3.20	1.30	
59 Co	72	1	1.043 ppb	2.56	1.30	
60 Ni	72	1	1.979 ppb	2.39	2.60	
63 Cu	72	1	2.108 ppb	1.79	2.60	
66 Zn	72	1	10.590 ppb	1.81	13.00	
75 As	72	1	5.085 ppb	3.23	6.50	
78 Se	72	1	5.511 ppb	9.29	6.50	
95 Mo	72	1	2.078 ppb	2.82	2.60	
107 Ag	115	1	5.046 ppb	1.31	6.50	
111 Cd	115	1	1.038 ppb	1.11	1.30	
118 Sn	115	1	9.935 ppb	1.81	13.00	
121 Sb	115	1	2.018 ppb	0.89	2.60	
137 Ba	115	1	1.061 ppb	1.91	1.30	
205 Tl	165	1	1.070 ppb	0.81	1.30	
208 Pb	165	1	1.049 ppb	0.62	1.30	
232 Th	165	1	2.098 ppb	3.09	2.60	
238 U	165	1	1.053 ppb	0.49	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	478750	0.36	542197	88.3	30 - 120	
45 Sc	1	2503062	0.90	2850994	87.8	30 - 120	
72 Ge	1	1541817	1.38	1758913	87.7	30 - 120	
115 In	1	5163534	0.51	5681129	90.9	30 - 120	
165 Ho	1	10264604	0.05	10936779	93.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\130SMPL.D\130SMPL.D#
Date Acquired: Apr 2 2012 11:24 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: HOT Sb MDLV
Vial Number: 2508
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	100.16	3600	
51 V	72	1	-0.82	-0.82	ppb	11.18	3600	
52 Cr	72	1	0.34	0.34	ppb	0.63	3600	
55 Mn	72	1	0.33	0.33	ppb	3.80	18000	
59 Co	72	1	0.00	0.00	ppb	28.92	3600	
60 Ni	72	1	0.15	0.15	ppb	13.03	3600	
63 Cu	72	1	0.36	0.36	ppb	3.75	3600	
66 Zn	72	1	0.85	0.85	ppb	2.78	3600	
75 As	72	1	0.39	0.39	ppb	4.35	3600	
78 Se	72	1	-0.21	-0.21	ppb	61.22	3600	
95 Mo	72	1	0.02	0.02	ppb	33.31	3600	
107 Ag	115	1	0.01	0.01	ppb	10.66	3600	
111 Cd	115	1	-0.02	-0.02	ppb	60.12	3600	
118 Sn	115	1	0.17	0.17	ppb	4.98	3600	
121 Sb	115	1	0.06	0.06	ppb	9.92	3600	
137 Ba	115	1	0.33	0.33	ppb	4.13	3600	
205 Tl	165	1	0.01	0.01	ppb	40.92	3600	
208 Pb	165	1	0.08	0.08	ppb	6.63	3600	
232 Th	165	1	0.01	0.01	ppb	11.57	1000	
238 U	165	1	0.01	0.01	ppb	8.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	528121	0.82	542197	97.4	30 - 120	
45 Sc	1	2517539	1.54	2850994	88.3	30 - 120	
72 Ge	1	1551546	0.69	1758913	88.2	30 - 120	
115 In	1	5209066	1.95	5681129	91.7	30 - 120	
165 Ho	1	10464387	0.91	10936779	95.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\131SMPL.D\131SMPL.D#
Date Acquired: Apr 2 2012 11:27 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV1
Misc Info:
Vial Number: 2509
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	-0.97	-0.97	ppb	15.13	3600	
52 Cr	72	1	0.24	0.24	ppb	3.06	3600	
55 Mn	72	1	0.32	0.32	ppb	2.16	18000	
59 Co	72	1	0.00	0.00	ppb	251.29	3600	
60 Ni	72	1	0.11	0.11	ppb	14.16	3600	
63 Cu	72	1	0.35	0.35	ppb	8.80	3600	
66 Zn	72	1	0.84	0.84	ppb	3.81	3600	
75 As	72	1	0.47	0.47	ppb	1.58	3600	
78 Se	72	1	-0.15	-0.15	ppb	155.29	3600	
95 Mo	72	1	0.02	0.02	ppb	37.03	3600	
107 Ag	115	1	0.13	0.13	ppb	5.36	3600	
111 Cd	115	1	-0.02	-0.02	ppb	41.44	3600	
118 Sn	115	1	0.49	0.49	ppb	3.17	3600	
121 Sb	115	1	0.13	0.13	ppb	5.36	3600	
137 Ba	115	1	0.22	0.22	ppb	2.96	3600	
205 Tl	165	1	0.00	0.00	ppb	34.05	3600	
208 Pb	165	1	0.18	0.18	ppb	0.57	3600	
232 Th	165	1	0.01	0.01	ppb	19.84	1000	
238 U	165	1	0.01	0.01	ppb	1.26	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	514562	0.91	542197	94.9	30 - 120	
45 Sc	1	2425943	0.44	2850994	85.1	30 - 120	
72 Ge	1	1515161	0.27	1758913	86.1	30 - 120	
115 In	1	5092326	0.31	5681129	89.6	30 - 120	
165 Ho	1	10218124	0.38	10936779	93.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\132SMPL.D\132SMPL.D#
Date Acquired: Apr 2 2012 11:30 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV2
Misc Info:
Vial Number: 2510
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	-1.02	-1.02	ppb	31.17	3600	
52 Cr	72	1	0.25	0.25	ppb	3.30	3600	
55 Mn	72	1	0.20	0.20	ppb	10.21	18000	
59 Co	72	1	0.00	0.00	ppb	61.02	3600	
60 Ni	72	1	0.10	0.10	ppb	13.92	3600	
63 Cu	72	1	0.33	0.33	ppb	4.06	3600	
66 Zn	72	1	0.84	0.84	ppb	2.07	3600	
75 As	72	1	0.43	0.43	ppb	3.68	3600	
78 Se	72	1	-0.19	-0.19	ppb	70.40	3600	
95 Mo	72	1	0.01	0.01	ppb	107.57	3600	
107 Ag	115	1	0.13	0.13	ppb	5.41	3600	
111 Cd	115	1	-0.01	-0.01	ppb	75.00	3600	
118 Sn	115	1	0.52	0.52	ppb	1.66	3600	
121 Sb	115	1	0.13	0.13	ppb	2.18	3600	
137 Ba	115	1	0.27	0.27	ppb	0.58	3600	
205 Tl	165	1	0.00	0.00	ppb	23.11	3600	
208 Pb	165	1	0.16	0.16	ppb	3.69	3600	
232 Th	165	1	0.00	0.00	ppb	5.76	1000	
238 U	165	1	0.00	0.00	ppb	13.46	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	516243	1.22	542197	95.2	30 - 120	
45 Sc	1	2401281	0.54	2850994	84.2	30 - 120	
72 Ge	1	1505707	0.46	1758913	85.6	30 - 120	
115 In	1	5036145	0.47	5681129	88.6	30 - 120	
165 Ho	1	10257337	0.66	10936779	93.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\133_CCV.D\133_CCV.D#
Date Acquired: Apr 2 2012 11:33 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.43	ppb	1.13	50	100.9	90 - 110	
51 V	72	1	50.45	ppb	1.28	50	100.9	90 - 110	
52 Cr	72	1	50.09	ppb	1.00	50	100.2	90 - 110	
55 Mn	72	1	50.96	ppb	1.10	50	101.9	90 - 110	
59 Co	72	1	50.86	ppb	0.65	50	101.7	90 - 110	
60 Ni	72	1	47.55	ppb	0.19	50	95.1	90 - 110	
63 Cu	72	1	50.18	ppb	1.49	50	100.4	90 - 110	
66 Zn	72	1	49.66	ppb	0.31	50	99.3	90 - 110	
75 As	72	1	49.22	ppb	0.15	50	98.4	90 - 110	
78 Se	72	1	51.24	ppb	2.83	50	102.5	90 - 110	
95 Mo	72	1	49.91	ppb	0.08	50	99.8	90 - 110	
107 Ag	115	1	51.44	ppb	0.44	50	102.9	90 - 110	
111 Cd	115	1	49.59	ppb	1.15	50	99.2	90 - 110	
118 Sn	115	1	49.19	ppb	0.91	50	98.4	90 - 110	
121 Sb	115	1	49.22	ppb	0.41	50	98.4	90 - 110	
137 Ba	115	1	50.28	ppb	0.97	50	100.6	90 - 110	
205 Tl	165	1	52.90	ppb	0.63	50	105.8	90 - 110	
208 Pb	165	1	52.41	ppb	0.17	50	104.8	90 - 110	
232 Th	165	1	53.06	ppb	1.21	50	106.1	90 - 110	
238 U	165	1	53.22	ppb	1.28	50	106.4	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	452088	0.31	542197	83.4	30 - 120	
45 Sc	1	2385027	0.71	2850994	83.7	30 - 120	
72 Ge	1	1474129	0.19	1758913	83.8	30 - 120	
115 In	1	4977347	0.82	5681129	87.6	30 - 120	
165 Ho	1	9949572	0.26	10936779	91.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\134_CCB.D\134_CCB.D#
Date Acquired: Apr 2 2012 11:36 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.010	ppb	86.60	1.00	
51 V	72	1	-0.005	ppb	380.28	1.00	
52 Cr	72	1	0.008	ppb	71.29	1.00	
55 Mn	72	1	0.061	ppb	7.00	1.00	
59 Co	72	1	0.004	ppb	25.57	1.00	
60 Ni	72	1	0.014	ppb	32.53	1.00	
63 Cu	72	1	0.010	ppb	48.24	1.00	
66 Zn	72	1	0.089	ppb	4.35	1.00	
75 As	72	1	0.010	ppb	71.87	1.00	
78 Se	72	1	0.187	ppb	160.76	1.00	
95 Mo	72	1	-0.004	ppb	136.25	1.00	
107 Ag	115	1	0.011	ppb	1.26	1.00	
111 Cd	115	1	-0.008	ppb	154.26	1.00	
118 Sn	115	1	0.029	ppb	10.68	1.00	
121 Sb	115	1	0.040	ppb	13.43	1.00	
137 Ba	115	1	0.004	ppb	151.51	1.00	
205 Tl	165	1	0.020	ppb	7.90	1.00	
208 Pb	165	1	0.011	ppb	31.00	1.00	
232 Th	165	1	0.061	ppb	18.36	1.00	
238 U	165	1	0.008	ppb	10.21	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	458202	0.42	542197	84.5	30 - 120	
45 Sc	1	2400634	1.23	2850994	84.2	30 - 120	
72 Ge	1	1484108	0.29	1758913	84.4	30 - 120	
115 In	1	5004020	1.14	5681129	88.1	30 - 120	
165 Ho	1	9988970	0.48	10936779	91.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\135WASH.D\135WASH.D#
Date Acquired: Apr 2 2012 11:39 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.918 ppb	14.79	1.30	
51 V	72	1	5.165 ppb	1.82	6.50	
52 Cr	72	1	2.032 ppb	1.38	2.60	
55 Mn	72	1	1.140 ppb	1.05	1.30	
59 Co	72	1	1.054 ppb	2.57	1.30	
60 Ni	72	1	1.984 ppb	2.60	2.60	
63 Cu	72	1	2.144 ppb	2.67	2.60	
66 Zn	72	1	10.840 ppb	1.99	13.00	
75 As	72	1	5.062 ppb	1.15	6.50	
78 Se	72	1	5.358 ppb	5.93	6.50	
95 Mo	72	1	2.040 ppb	4.50	2.60	
107 Ag	115	1	5.116 ppb	1.09	6.50	
111 Cd	115	1	1.018 ppb	3.29	1.30	
118 Sn	115	1	10.050 ppb	2.27	13.00	
121 Sb	115	1	2.015 ppb	0.54	2.60	
137 Ba	115	1	1.038 ppb	1.21	1.30	
205 Tl	165	1	1.087 ppb	1.73	1.30	
208 Pb	165	1	1.065 ppb	0.63	1.30	
232 Th	165	1	2.130 ppb	1.44	2.60	
238 U	165	1	1.069 ppb	0.80	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465251	0.13	542197	85.8	30 - 120	
45 Sc	1	2425646	0.56	2850994	85.1	30 - 120	
72 Ge	1	1493770	1.05	1758913	84.9	30 - 120	
115 In	1	5059016	0.19	5681129	89.0	30 - 120	
165 Ho	1	10051654	0.79	10936779	91.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\136_BLK.D\136_BLK.D#
Date Acquired: Apr 2 2012 11:41 pm
Operator: TEL
Sample Name: mb 280-113788/1-a
Misc Info: BLANK 113788 Soil
Vial Number: 3205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.005 ppb	173.22	2.00	
51 V	72	1	-0.008 ppb	162.66	2.00	
52 Cr	72	1	0.063 ppb	14.13	2.00	
55 Mn	72	1	0.059 ppb	11.82	2.00	
59 Co	72	1	0.002 ppb	43.55	2.00	
60 Ni	72	1	0.262 ppb	9.25	2.00	
63 Cu	72	1	0.238 ppb	1.91	2.00	
66 Zn	72	1	0.463 ppb	2.89	2.00	
75 As	72	1	0.006 ppb	189.59	2.00	
78 Se	72	1	-0.119 ppb	160.37	2.00	
95 Mo	72	1	0.008 ppb	73.33	2.00	
107 Ag	115	1	0.009 ppb	19.80	2.00	
111 Cd	115	1	0.015 ppb	93.86	2.00	
118 Sn	115	1	0.047 ppb	16.80	2.00	
121 Sb	115	1	0.008 ppb	4.23	2.00	
137 Ba	115	1	0.093 ppb	9.07	2.00	
205 Tl	165	1	0.004 ppb	32.72	2.00	
208 Pb	165	1	0.021 ppb	15.19	2.00	
232 Th	165	1	0.018 ppb	13.69	2.00	
238 U	165	1	0.005 ppb	10.41	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	471003	0.18	542197	86.9	30 - 120	
45 Sc	1	2446566	1.59	2850994	85.8	30 - 120	
72 Ge	1	1514551	0.08	1758913	86.1	30 - 120	
115 In	1	5125140	0.39	5681129	90.2	30 - 120	
165 Ho	1	10089586	0.32	10936779	92.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\137_LCS.D\137_LCS.D#
Date Acquired: Apr 2 2012 11:44 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113788/2-a
Misc Info: LCS
Vial Number: 3206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	39.42	1.53	40	98.6	80 - 120	
51 V	72	1	40.32	1.22	40	100.8	80 - 120	
52 Cr	72	1	40.66	1.47	40	101.7	80 - 120	
55 Mn	72	1	40.61	0.31	40	101.5	80 - 120	
59 Co	72	1	40.82	1.25	40	102.1	80 - 120	
60 Ni	72	1	38.32	0.54	40	95.8	80 - 120	
63 Cu	72	1	39.59	0.56	40	99.0	80 - 120	
66 Zn	72	1	40.26	0.17	40	100.7	80 - 120	
75 As	72	1	38.66	0.65	40	96.7	80 - 120	
78 Se	72	1	39.40	0.76	40	98.5	80 - 120	
95 Mo	72	1	39.45	0.29	40	98.6	80 - 120	
107 Ag	115	1	39.23	0.63	40	98.1	80 - 120	
111 Cd	115	1	38.09	0.25	40	95.2	80 - 120	
118 Sn	115	1	38.35	0.18	40	95.9	80 - 120	
121 Sb	115	1	38.00	0.81	40	95.0	80 - 120	
137 Ba	115	1	39.45	0.89	40	98.6	80 - 120	
205 Tl	165	1	41.26	0.42	40	103.2	80 - 120	
208 Pb	165	1	40.75	0.68	40	101.9	80 - 120	
232 Th	165	1	40.63	1.70	40	101.6	80 - 120	
238 U	165	1	41.64	0.86	40	104.1	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	470182	0.51	542197	86.7	30 - 120	
45 Sc	1	2461192	0.76	2850994	86.3	30 - 120	
72 Ge	1	1507160	0.02	1758913	85.7	30 - 120	
115 In	1	5150048	1.06	5681129	90.7	30 - 120	
165 Ho	1	10187184	0.61	10936779	93.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Labratory Control Spike Duplicate Sample (LCSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\138LCSD.D\138LCSD.D#
Date Acquired: Apr 2 2012 11:47 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcsd 280-113788/3-a
Misc Info: LCSD
Vial Number: 3207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: LCSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\137_LCS.D\137_LCS.D#

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	Ref Conc	(%)Dif	Max(%)Dif	Flag
9 Be	6	1	38.48 ppb	3.47	39.42	2.41	2000	
51 V	72	1	39.03 ppb	2.76	40.32	3.25	2000	
52 Cr	72	1	39.10 ppb	1.05	40.66	3.91	2000	
55 Mn	72	1	39.72 ppb	2.04	40.61	2.22	2000	
59 Co	72	1	39.54 ppb	1.07	40.82	3.19	2000	
60 Ni	72	1	37.09 ppb	1.50	38.32	3.26	2000	
63 Cu	72	1	38.36 ppb	0.64	39.59	3.16	2000	
66 Zn	72	1	37.68 ppb	1.37	40.26	6.62	2000	
75 As	72	1	37.17 ppb	0.69	38.66	3.93	2000	
78 Se	72	1	37.66 ppb	4.21	39.40	4.52	2000	
95 Mo	72	1	38.08 ppb	0.98	39.45	3.53	2000	
107 Ag	115	1	39.02 ppb	0.81	39.23	0.54	2000	
111 Cd	115	1	37.48 ppb	0.98	38.09	1.61	2000	
118 Sn	115	1	37.59 ppb	0.64	38.35	2.00	2000	
121 Sb	115	1	37.28 ppb	0.91	38.00	1.91	2000	
137 Ba	115	1	38.74 ppb	0.56	39.45	1.82	2000	
205 Tl	165	1	40.39 ppb	1.54	41.26	2.13	2000	
208 Pb	165	1	39.69 ppb	0.93	40.75	2.64	2000	
232 Th	165	1	40.02 ppb	1.08	40.63	1.51	2000	
238 U	165	1	40.44 ppb	1.09	41.64	2.92	2000	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	472265	0.43	542197	87.1	30 - 120	
45 Sc	1	2453968	0.90	2850994	86.1	30 - 120	
72 Ge	1	1528396	0.90	1758913	86.9	30 - 120	
115 In	1	5128945	1.17	5681129	90.3	30 - 120	
165 Ho	1	10212995	1.37	10936779	93.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\139AREF.D\139AREF.D#
Date Acquired: Apr 2 2012 11:50 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-1-d
Misc Info:
Vial Number: 3208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.92	0.92	ppb	11.14	3600	
51 V	72	1	112.90	112.90	ppb	0.80	3600	
52 Cr	72	1	14.64	14.64	ppb	0.11	3600	
55 Mn	72	1	313.80	313.80	ppb	0.54	18000	
59 Co	72	1	6.34	6.34	ppb	1.37	3600	
60 Ni	72	1	35.20	35.20	ppb	0.59	3600	
63 Cu	72	1	23.79	23.79	ppb	0.38	3600	
66 Zn	72	1	75.00	75.00	ppb	0.35	3600	
75 As	72	1	5.40	5.40	ppb	0.84	3600	
78 Se	72	1	1.59	1.59	ppb	16.94	3600	
95 Mo	72	1	8.66	8.66	ppb	0.21	3600	
107 Ag	115	1	0.09	0.09	ppb	4.55	3600	
111 Cd	115	1	0.47	0.47	ppb	10.68	3600	
118 Sn	115	1	0.27	0.27	ppb	1.30	3600	
121 Sb	115	1	0.05	0.05	ppb	5.94	3600	
137 Ba	115	1	218.80	218.80	ppb	2.08	3600	
205 Tl	165	1	0.26	0.26	ppb	5.97	3600	
208 Pb	165	1	36.48	36.48	ppb	0.70	3600	
232 Th	165	1	12.22	12.22	ppb	0.82	1000	
238 U	165	1	1.18	1.18	ppb	0.57	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	450873	0.56	542197	83.2	30 - 120	
45 Sc	1	2384658	0.55	2850994	83.6	30 - 120	
72 Ge	1	1474719	0.35	1758913	83.8	30 - 120	
115 In	1	4912393	0.67	5681129	86.5	30 - 120	
165 Ho	1	9891666	0.30	10936779	90.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\140SDIL.D\140SDIL.D#
Date Acquired: Apr 2 2012 11:53 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-1-d SD@5
Misc Info: SERIAL DILUTION
Vial Number: 3209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\139AREF.D\139AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.18	ppb	16.82	0.18	95.4	90 - 110	
51 V	72	1	23.01	ppb	0.71	22.58	101.9	90 - 110	
52 Cr	72	1	2.95	ppb	0.86	2.93	100.7	90 - 110	
55 Mn	72	1	67.57	ppb	0.67	62.76	107.7	90 - 110	
59 Co	72	1	1.30	ppb	2.08	1.27	102.6	90 - 110	
60 Ni	72	1	7.32	ppb	0.67	7.04	103.9	90 - 110	
63 Cu	72	1	5.04	ppb	0.51	4.76	105.9	90 - 110	
66 Zn	72	1	15.96	ppb	0.92	15.00	106.4	90 - 110	
75 As	72	1	1.11	ppb	3.25	1.08	102.4	90 - 110	
78 Se	72	1	0.28	ppb	31.85	0.32	89.1	90 - 110	
95 Mo	72	1	1.72	ppb	2.37	1.73	99.2	90 - 110	
107 Ag	115	1	0.02	ppb	7.86	0.02	108.5	90 - 110	
111 Cd	115	1	0.11	ppb	19.83	0.09	117.1	90 - 110	
118 Sn	115	1	0.10	ppb	5.03	0.05	179.0	90 - 110	
121 Sb	115	1	0.01	ppb	16.41	0.01	107.8	90 - 110	
137 Ba	115	1	43.44	ppb	0.26	43.76	99.3	90 - 110	
205 Tl	165	1	0.05	ppb	3.93	0.05	98.5	90 - 110	
208 Pb	165	1	7.51	ppb	0.19	7.30	102.9	90 - 110	
232 Th	165	1	2.40	ppb	0.36	2.44	98.3	90 - 110	
238 U	165	1	0.24	ppb	1.87	0.24	100.6	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	460109	1.04	542197	84.9	30 - 120	
45 Sc	1	2466932	1.14	2850994	86.5	30 - 120	
72 Ge	1	1539623	0.81	1758913	87.5	30 - 120	
115 In	1	5121275	0.42	5681129	90.1	30 - 120	
165 Ho	1	10184049	0.14	10936779	93.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\141PDS.D\141PDS.D#
Date Acquired: Apr 2 2012 11:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-1-d PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 3210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	193.50	0.92	ppb	1.31	200	96.3	75 - 125	
51 V	72	1	292.70	112.90	ppb	1.87	200	93.5	75 - 125	
52 Cr	72	1	197.20	14.64	ppb	2.09	200	91.9	75 - 125	
55 Mn	72	1	494.50	313.80	ppb	1.03	200	96.2	75 - 125	
59 Co	72	1	189.50	6.34	ppb	1.85	200	91.8	75 - 125	
60 Ni	72	1	214.70	35.20	ppb	1.23	200	91.3	75 - 125	
63 Cu	72	1	199.40	23.79	ppb	1.09	200	89.1	75 - 125	
66 Zn	72	1	257.90	75.00	ppb	1.29	200	93.8	75 - 125	
75 As	72	1	192.70	5.40	ppb	1.33	200	93.8	75 - 125	
78 Se	72	1	184.10	1.59	ppb	0.49	200	91.3	75 - 125	
95 Mo	72	1	199.60	8.66	ppb	1.16	200	95.7	75 - 125	
107 Ag	115	1	47.55	0.09	ppb	1.56	50	94.9	75 - 125	
111 Cd	115	1	197.00	0.47	ppb	0.63	200	98.3	75 - 125	
118 Sn	115	1	189.80	0.27	ppb	0.36	200	94.8	75 - 125	
121 Sb	115	1	190.60	0.05	ppb	0.97	200	95.3	75 - 125	
137 Ba	115	1	412.40	218.80	ppb	0.79	200	98.5	75 - 125	
205 Tl	165	1	195.50	0.26	ppb	1.10	200	97.6	75 - 125	
208 Pb	165	1	224.80	36.48	ppb	1.18	200	95.1	75 - 125	
232 Th	165	1	12.11	12.22	ppb	2.04	200	5.7	75 - 125	
238 U	165	1	199.90	1.18	ppb	1.97	200	99.4	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	449830	0.81	542197	83.0	30 - 120	
45 Sc	1	2373701	0.73	2850994	83.3	30 - 120	
72 Ge	1	1471652	1.04	1758913	83.7	30 - 120	
115 In	1	4852466	0.93	5681129	85.4	30 - 120	
165 Ho	1	9883795	0.93	10936779	90.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\142_MS.D\142_MS.D#
Date Acquired: Apr 2 2012 11:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-1-e ms
Misc Info: MATRIX SPIKE
Vial Number: 3211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	38.71	0.92	ppb	1.81	40	94.6	50 - 150	
51 V	72	1	147.10	112.90	ppb	0.52	40	96.2	50 - 150	
52 Cr	72	1	53.12	14.64	ppb	1.84	40	97.2	50 - 150	
55 Mn	72	1	337.70	313.80	ppb	0.78	40	95.4	50 - 150	
59 Co	72	1	43.75	6.34	ppb	1.02	40	94.4	50 - 150	
60 Ni	72	1	65.30	35.20	ppb	0.75	40	86.8	50 - 150	
63 Cu	72	1	58.82	23.79	ppb	1.65	40	92.2	50 - 150	
66 Zn	72	1	108.30	75.00	ppb	0.73	40	94.2	50 - 150	
75 As	72	1	40.84	5.40	ppb	0.78	40	90.0	50 - 150	
78 Se	72	1	37.76	1.59	ppb	1.99	40	90.8	50 - 150	
95 Mo	72	1	31.73	8.66	ppb	1.12	40	65.2	50 - 150	
107 Ag	115	1	35.63	0.09	ppb	1.53	40	88.9	50 - 150	
111 Cd	115	1	37.27	0.47	ppb	0.28	40	92.1	50 - 150	
118 Sn	115	1	10.36	0.27	ppb	1.43	40	25.7	50 - 150	
121 Sb	115	1	2.73	0.05	ppb	1.55	40	6.8	50 - 150	
137 Ba	115	1	289.70	218.80	ppb	0.80	40	111.9	50 - 150	
205 Tl	165	1	38.58	0.26	ppb	0.86	40	95.8	50 - 150	
208 Pb	165	1	72.73	36.48	ppb	1.60	40	95.1	50 - 150	
232 Th	165	1	49.33	12.22	ppb	2.22	40	94.5	50 - 150	
238 U	165	1	41.45	1.18	ppb	0.61	40	100.7	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	457049	0.59	542197	84.3	30 - 120	
45 Sc	1	2393898	0.39	2850994	84.0	30 - 120	
72 Ge	1	1481830	0.73	1758913	84.2	30 - 120	
115 In	1	4931400	0.75	5681129	86.8	30 - 120	
165 Ho	1	9970711	0.76	10936779	91.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\143_MSD.D\143_MSD.D#
Date Acquired: Apr 3 2012 12:02 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-1-f msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3212
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\142_MS.D\142_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	39.60	ppb	2.46	38.71	2.27	20	
51 V	72	1	158.40	ppb	0.41	147.10	7.40	20	
52 Cr	72	1	55.41	ppb	1.17	53.12	4.22	20	
55 Mn	72	1	395.80	ppb	0.52	337.70	15.84	20	
59 Co	72	1	45.88	ppb	0.43	43.75	4.75	20	
60 Ni	72	1	69.18	ppb	0.53	65.30	5.77	20	
63 Cu	72	1	59.01	ppb	0.87	58.82	0.32	20	
66 Zn	72	1	116.50	ppb	0.44	108.30	7.30	20	
75 As	72	1	43.05	ppb	0.49	40.84	5.27	20	
78 Se	72	1	39.77	ppb	3.40	37.76	5.19	20	
95 Mo	72	1	32.02	ppb	0.47	31.73	0.91	20	
107 Ag	115	1	36.23	ppb	0.90	35.63	1.67	20	
111 Cd	115	1	38.25	ppb	0.40	37.27	2.60	20	
118 Sn	115	1	9.57	ppb	1.05	10.36	7.89	20	
121 Sb	115	1	2.36	ppb	0.94	2.73	14.45	20	
137 Ba	115	1	329.70	ppb	1.68	289.70	12.92	20	
205 Tl	165	1	39.46	ppb	1.36	38.58	2.26	20	
208 Pb	165	1	79.36	ppb	0.80	72.73	8.72	20	
232 Th	165	1	52.86	ppb	1.54	49.33	6.91	20	
238 U	165	1	42.66	ppb	0.33	41.45	2.88	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	453934	0.54	542197	83.7	30 - 120	
45 Sc	1	2403682	1.56	2850994	84.3	30 - 120	
72 Ge	1	1476843	0.32	1758913	84.0	30 - 120	
115 In	1	4950683	0.20	5681129	87.1	30 - 120	
165 Ho	1	9919467	0.26	10936779	90.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\144_CCV.D\144_CCV.D#
Date Acquired: Apr 3 2012 12:04 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.92	ppb	3.64	50	99.8	90 - 110	
51 V	72	1	50.95	ppb	0.44	50	101.9	90 - 110	
52 Cr	72	1	50.97	ppb	1.43	50	101.9	90 - 110	
55 Mn	72	1	50.91	ppb	1.28	50	101.8	90 - 110	
59 Co	72	1	51.43	ppb	0.49	50	102.9	90 - 110	
60 Ni	72	1	48.23	ppb	0.29	50	96.5	90 - 110	
63 Cu	72	1	50.55	ppb	0.86	50	101.1	90 - 110	
66 Zn	72	1	50.28	ppb	0.56	50	100.6	90 - 110	
75 As	72	1	49.78	ppb	1.10	50	99.6	90 - 110	
78 Se	72	1	50.83	ppb	2.21	50	101.7	90 - 110	
95 Mo	72	1	49.91	ppb	0.65	50	99.8	90 - 110	
107 Ag	115	1	51.40	ppb	1.07	50	102.8	90 - 110	
111 Cd	115	1	49.88	ppb	0.54	50	99.8	90 - 110	
118 Sn	115	1	49.12	ppb	0.85	50	98.2	90 - 110	
121 Sb	115	1	49.18	ppb	0.05	50	98.4	90 - 110	
137 Ba	115	1	50.55	ppb	0.40	50	101.1	90 - 110	
205 Tl	165	1	51.88	ppb	0.64	50	103.8	90 - 110	
208 Pb	165	1	51.67	ppb	0.06	50	103.3	90 - 110	
232 Th	165	1	51.99	ppb	1.55	50	104.0	90 - 110	
238 U	165	1	52.02	ppb	1.22	50	104.0	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	473686	0.37	542197	87.4	30 - 120	
45 Sc	1	2534237	1.31	2850994	88.9	30 - 120	
72 Ge	1	1573794	0.62	1758913	89.5	30 - 120	
115 In	1	5256012	0.76	5681129	92.5	30 - 120	
165 Ho	1	10462300	0.55	10936779	95.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\145_CCB.D\145_CCB.D#
Date Acquired: Apr 3 2012 12:07 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.005	ppb	173.23	1.00	
51 V	72	1	0.010	ppb	127.99	1.00	
52 Cr	72	1	0.006	ppb	29.42	1.00	
55 Mn	72	1	0.073	ppb	8.59	1.00	
59 Co	72	1	0.009	ppb	4.18	1.00	
60 Ni	72	1	0.014	ppb	17.27	1.00	
63 Cu	72	1	0.015	ppb	55.19	1.00	
66 Zn	72	1	0.094	ppb	19.05	1.00	
75 As	72	1	0.012	ppb	30.51	1.00	
78 Se	72	1	0.084	ppb	173.00	1.00	
95 Mo	72	1	0.011	ppb	75.38	1.00	
107 Ag	115	1	0.017	ppb	14.78	1.00	
111 Cd	115	1	-0.001	ppb	336.47	1.00	
118 Sn	115	1	0.041	ppb	11.05	1.00	
121 Sb	115	1	0.038	ppb	14.84	1.00	
137 Ba	115	1	0.024	ppb	18.72	1.00	
205 Tl	165	1	0.029	ppb	4.27	1.00	
208 Pb	165	1	0.012	ppb	12.93	1.00	
232 Th	165	1	0.042	ppb	13.43	1.00	
238 U	165	1	0.012	ppb	9.61	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	475973	0.15	542197	87.8	30 - 120	
45 Sc	1	2538741	1.47	2850994	89.0	30 - 120	
72 Ge	1	1602352	0.45	1758913	91.1	30 - 120	
115 In	1	5275779	0.84	5681129	92.9	30 - 120	
165 Ho	1	10383985	0.58	10936779	94.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\146SMPL.D\146SMPL.D#
Date Acquired: Apr 3 2012 12:10 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-2-b
Misc Info:
Vial Number: 3301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.04	1.04	ppb	3.32	3600	
51 V	72	1	39.18	39.18	ppb	1.16	3600	
52 Cr	72	1	32.45	32.45	ppb	1.68	3600	
55 Mn	72	1	367.60	367.60	ppb	0.26	18000	
59 Co	72	1	6.25	6.25	ppb	0.46	3600	
60 Ni	72	1	13.48	13.48	ppb	0.94	3600	
63 Cu	72	1	270.90	270.90	ppb	0.59	3600	
66 Zn	72	1	445.10	445.10	ppb	1.18	3600	
75 As	72	1	9.67	9.67	ppb	0.44	3600	
78 Se	72	1	2.48	2.48	ppb	10.09	3600	
95 Mo	72	1	1.21	1.21	ppb	1.19	3600	
107 Ag	115	1	0.39	0.39	ppb	2.27	3600	
111 Cd	115	1	1.01	1.01	ppb	6.66	3600	
118 Sn	115	1	5.54	5.54	ppb	1.17	3600	
121 Sb	115	1	0.93	0.93	ppb	2.30	3600	
137 Ba	115	1	294.90	294.90	ppb	1.75	3600	
205 Tl	165	1	0.26	0.26	ppb	0.65	3600	
208 Pb	165	1	301.80	301.80	ppb	0.57	3600	
232 Th	165	1	15.11	15.11	ppb	1.59	1000	
238 U	165	1	2.11	2.11	ppb	0.28	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	458912	0.76	542197	84.6	30 - 120	
45 Sc	1	2476060	0.99	2850994	86.8	30 - 120	
72 Ge	1	1521578	0.44	1758913	86.5	30 - 120	
115 In	1	5013451	1.28	5681129	88.2	30 - 120	
165 Ho	1	10149574	0.50	10936779	92.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\147SMPL.D\147SMPL.D#
Date Acquired: Apr 3 2012 12:13 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-3-b
Misc Info:
Vial Number: 3302
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.81	0.81	ppb	15.19	3600	
51 V	72	1	38.89	38.89	ppb	1.84	3600	
52 Cr	72	1	40.77	40.77	ppb	0.45	3600	
55 Mn	72	1	305.80	305.80	ppb	1.89	18000	
59 Co	72	1	5.25	5.25	ppb	1.45	3600	
60 Ni	72	1	12.82	12.82	ppb	2.15	3600	
63 Cu	72	1	41.41	41.41	ppb	1.40	3600	
66 Zn	72	1	125.30	125.30	ppb	1.38	3600	
75 As	72	1	5.22	5.22	ppb	1.62	3600	
78 Se	72	1	1.81	1.81	ppb	7.04	3600	
95 Mo	72	1	1.08	1.08	ppb	1.24	3600	
107 Ag	115	1	0.15	0.15	ppb	3.83	3600	
111 Cd	115	1	0.63	0.63	ppb	4.62	3600	
118 Sn	115	1	0.84	0.84	ppb	0.88	3600	
121 Sb	115	1	0.08	0.08	ppb	3.12	3600	
137 Ba	115	1	201.70	201.70	ppb	1.62	3600	
205 Tl	165	1	0.23	0.23	ppb	0.22	3600	
208 Pb	165	1	102.30	102.30	ppb	0.54	3600	
232 Th	165	1	13.73	13.73	ppb	0.56	1000	
238 U	165	1	1.59	1.59	ppb	0.33	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	457198	0.56	542197	84.3	30 - 120	
45 Sc	1	2455584	0.11	2850994	86.1	30 - 120	
72 Ge	1	1498701	1.90	1758913	85.2	30 - 120	
115 In	1	4951597	0.30	5681129	87.2	30 - 120	
165 Ho	1	10083204	0.85	10936779	92.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\148SMPL.D\148SMPL.D#
Date Acquired: Apr 3 2012 12:16 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-4-b
Misc Info:
Vial Number: 3303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.01	1.01	ppb	10.33	3600	
51 V	72	1	45.47	45.47	ppb	1.60	3600	
52 Cr	72	1	26.64	26.64	ppb	0.57	3600	
55 Mn	72	1	337.30	337.30	ppb	0.10	18000	
59 Co	72	1	6.13	6.13	ppb	1.35	3600	
60 Ni	72	1	12.08	12.08	ppb	0.72	3600	
63 Cu	72	1	26.70	26.70	ppb	1.46	3600	
66 Zn	72	1	96.07	96.07	ppb	0.50	3600	
75 As	72	1	5.32	5.32	ppb	2.02	3600	
78 Se	72	1	2.04	2.04	ppb	14.00	3600	
95 Mo	72	1	0.96	0.96	ppb	0.83	3600	
107 Ag	115	1	0.12	0.12	ppb	6.69	3600	
111 Cd	115	1	0.56	0.56	ppb	4.65	3600	
118 Sn	115	1	0.43	0.43	ppb	2.06	3600	
121 Sb	115	1	0.06	0.06	ppb	4.11	3600	
137 Ba	115	1	261.30	261.30	ppb	2.82	3600	
205 Tl	165	1	0.23	0.23	ppb	2.53	3600	
208 Pb	165	1	82.24	82.24	ppb	0.61	3600	
232 Th	165	1	14.48	14.48	ppb	0.14	1000	
238 U	165	1	1.70	1.70	ppb	0.75	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	462621	1.49	542197	85.3	30 - 120	
45 Sc	1	2456609	0.23	2850994	86.2	30 - 120	
72 Ge	1	1488587	0.83	1758913	84.6	30 - 120	
115 In	1	4955057	1.57	5681129	87.2	30 - 120	
165 Ho	1	10048882	0.55	10936779	91.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\149SMPL.D\149SMPL.D#
Date Acquired: Apr 3 2012 12:19 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-1-b
Misc Info:
Vial Number: 3304
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.51	1.51	ppb	5.16	3600	
51 V	72	1	80.79	80.79	ppb	2.34	3600	
52 Cr	72	1	146.00	146.00	ppb	2.26	3600	
55 Mn	72	1	298.90	298.90	ppb	1.05	18000	
59 Co	72	1	10.12	10.12	ppb	1.20	3600	
60 Ni	72	1	19.62	19.62	ppb	1.65	3600	
63 Cu	72	1	60.91	60.91	ppb	1.59	3600	
66 Zn	72	1	135.90	135.90	ppb	1.67	3600	
75 As	72	1	9.53	9.53	ppb	2.18	3600	
78 Se	72	1	9.87	9.87	ppb	7.02	3600	
95 Mo	72	1	2.37	2.37	ppb	1.78	3600	
107 Ag	115	1	0.18	0.18	ppb	5.92	3600	
111 Cd	115	1	1.09	1.09	ppb	3.03	3600	
118 Sn	115	1	1.18	1.18	ppb	1.78	3600	
121 Sb	115	1	0.06	0.06	ppb	4.02	3600	
137 Ba	115	1	1,286.00	1286.00	ppb	0.12	3600	
205 Tl	165	1	0.33	0.33	ppb	2.03	3600	
208 Pb	165	1	27.21	27.21	ppb	0.98	3600	
232 Th	165	1	14.94	14.94	ppb	1.24	1000	
238 U	165	1	3.13	3.13	ppb	1.21	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	459702	0.89	542197	84.8	30 - 120	
45 Sc	1	2490387	0.54	2850994	87.4	30 - 120	
72 Ge	1	1485618	1.12	1758913	84.5	30 - 120	
115 In	1	4905378	1.13	5681129	86.3	30 - 120	
165 Ho	1	9897192	1.03	10936779	90.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\150SMPL.D\150SMPL.D#
Date Acquired: Apr 3 2012 12:22 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-2-b
Misc Info:
Vial Number: 3305
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.48	1.48	ppb	23.08	3600	
51 V	72	1	84.22	84.22	ppb	1.29	3600	
52 Cr	72	1	101.40	101.40	ppb	1.82	3600	
55 Mn	72	1	303.40	303.40	ppb	1.49	18000	
59 Co	72	1	9.74	9.74	ppb	1.49	3600	
60 Ni	72	1	19.59	19.59	ppb	1.67	3600	
63 Cu	72	1	55.45	55.45	ppb	2.05	3600	
66 Zn	72	1	107.50	107.50	ppb	1.94	3600	
75 As	72	1	9.66	9.66	ppb	2.44	3600	
78 Se	72	1	8.59	8.59	ppb	3.66	3600	
95 Mo	72	1	2.07	2.07	ppb	1.22	3600	
107 Ag	115	1	0.20	0.20	ppb	0.92	3600	
111 Cd	115	1	1.12	1.12	ppb	6.67	3600	
118 Sn	115	1	1.21	1.21	ppb	1.89	3600	
121 Sb	115	1	0.07	0.07	ppb	11.27	3600	
137 Ba	115	1	1,407.00	1407.00	ppb	0.41	3600	
205 Tl	165	1	0.29	0.29	ppb	0.63	3600	
208 Pb	165	1	27.96	27.96	ppb	1.74	3600	
232 Th	165	1	14.03	14.03	ppb	2.21	1000	
238 U	165	1	3.10	3.10	ppb	1.87	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	461183	0.31	542197	85.1	30 - 120	
45 Sc	1	2515991	0.40	2850994	88.2	30 - 120	
72 Ge	1	1492489	1.88	1758913	84.9	30 - 120	
115 In	1	4948626	0.79	5681129	87.1	30 - 120	
165 Ho	1	9892553	1.11	10936779	90.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\151SMPL.D\151SMPL.D#
Date Acquired: Apr 3 2012 12:24 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-3-b
Misc Info:
Vial Number: 3306
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.38	1.38	ppb	5.55	3600	
51 V	72	1	56.93	56.93	ppb	1.00	3600	
52 Cr	72	1	45.48	45.48	ppb	1.04	3600	
55 Mn	72	1	319.40	319.40	ppb	1.96	18000	
59 Co	72	1	7.75	7.75	ppb	1.19	3600	
60 Ni	72	1	13.94	13.94	ppb	1.47	3600	
63 Cu	72	1	25.10	25.10	ppb	0.55	3600	
66 Zn	72	1	72.01	72.01	ppb	0.94	3600	
75 As	72	1	7.15	7.15	ppb	1.49	3600	
78 Se	72	1	4.16	4.16	ppb	9.03	3600	
95 Mo	72	1	0.90	0.90	ppb	1.77	3600	
107 Ag	115	1	0.16	0.16	ppb	3.97	3600	
111 Cd	115	1	0.77	0.77	ppb	8.47	3600	
118 Sn	115	1	0.58	0.58	ppb	3.31	3600	
121 Sb	115	1	0.04	0.04	ppb	10.20	3600	
137 Ba	115	1	671.80	671.80	ppb	1.04	3600	
205 Tl	165	1	0.26	0.26	ppb	1.70	3600	
208 Pb	165	1	22.69	22.69	ppb	1.39	3600	
232 Th	165	1	13.41	13.41	ppb	2.17	1000	
238 U	165	1	1.90	1.90	ppb	1.54	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	467124	0.29	542197	86.2	30 - 120	
45 Sc	1	2464058	0.77	2850994	86.4	30 - 120	
72 Ge	1	1494770	0.92	1758913	85.0	30 - 120	
115 In	1	4886469	0.70	5681129	86.0	30 - 120	
165 Ho	1	9796695	1.14	10936779	89.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\152SMPL.D\152SMPL.D#
Date Acquired: Apr 3 2012 12:27 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-4-b
Misc Info:
Vial Number: 3307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.12	1.12	ppb	18.89	3600	
51 V	72	1	28.56	28.56	ppb	1.15	3600	
52 Cr	72	1	8.64	8.64	ppb	0.84	3600	
55 Mn	72	1	262.60	262.60	ppb	1.29	18000	
59 Co	72	1	4.69	4.69	ppb	0.86	3600	
60 Ni	72	1	6.36	6.36	ppb	2.39	3600	
63 Cu	72	1	5.29	5.29	ppb	0.54	3600	
66 Zn	72	1	28.19	28.19	ppb	0.93	3600	
75 As	72	1	3.79	3.79	ppb	1.51	3600	
78 Se	72	1	1.09	1.09	ppb	11.88	3600	
95 Mo	72	1	0.17	0.17	ppb	6.94	3600	
107 Ag	115	1	0.03	0.03	ppb	15.26	3600	
111 Cd	115	1	0.22	0.22	ppb	17.60	3600	
118 Sn	115	1	0.11	0.11	ppb	6.88	3600	
121 Sb	115	1	0.01	0.01	ppb	11.25	3600	
137 Ba	115	1	107.30	107.30	ppb	0.78	3600	
205 Tl	165	1	0.09	0.09	ppb	3.02	3600	
208 Pb	165	1	7.03	7.03	ppb	1.01	3600	
232 Th	165	1	9.62	9.62	ppb	1.07	1000	
238 U	165	1	0.83	0.83	ppb	1.99	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	477709	0.80	542197	88.1	30 - 120	
45 Sc	1	2591504	0.76	2850994	90.9	30 - 120	
72 Ge	1	1611022	0.86	1758913	91.6	30 - 120	
115 In	1	5214090	0.85	5681129	91.8	30 - 120	
165 Ho	1	10389698	0.15	10936779	95.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\153SMPL.D\153SMPL.D#
Date Acquired: Apr 3 2012 12:30 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-5-b
Misc Info:
Vial Number: 3308
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.37	1.37	ppb	4.91	3600	
51 V	72	1	63.76	63.76	ppb	1.44	3600	
52 Cr	72	1	85.81	85.81	ppb	1.50	3600	
55 Mn	72	1	323.50	323.50	ppb	1.27	18000	
59 Co	72	1	8.18	8.18	ppb	0.67	3600	
60 Ni	72	1	14.92	14.92	ppb	0.93	3600	
63 Cu	72	1	34.57	34.57	ppb	1.16	3600	
66 Zn	72	1	94.69	94.69	ppb	0.61	3600	
75 As	72	1	7.71	7.71	ppb	1.96	3600	
78 Se	72	1	6.44	6.44	ppb	7.49	3600	
95 Mo	72	1	1.30	1.30	ppb	2.94	3600	
107 Ag	115	1	0.16	0.16	ppb	7.18	3600	
111 Cd	115	1	0.89	0.89	ppb	3.21	3600	
118 Sn	115	1	0.84	0.84	ppb	2.90	3600	
121 Sb	115	1	0.05	0.05	ppb	6.28	3600	
137 Ba	115	1	1,173.00	1173.00	ppb	0.67	3600	
205 Tl	165	1	0.27	0.27	ppb	0.67	3600	
208 Pb	165	1	28.40	28.40	ppb	1.32	3600	
232 Th	165	1	14.15	14.15	ppb	0.37	1000	
238 U	165	1	2.31	2.31	ppb	0.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	464593	0.30	542197	85.7	30 - 120	
45 Sc	1	2500178	0.46	2850994	87.7	30 - 120	
72 Ge	1	1512624	0.71	1758913	86.0	30 - 120	
115 In	1	5026034	1.07	5681129	88.5	30 - 120	
165 Ho	1	10019475	0.51	10936779	91.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\154_CCV.D\154_CCV.D#
Date Acquired: Apr 3 2012 12:33 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.31	ppb	0.84	50	100.6	90 - 110	
51 V	72	1	50.91	ppb	0.81	50	101.8	90 - 110	
52 Cr	72	1	50.72	ppb	1.43	50	101.4	90 - 110	
55 Mn	72	1	50.70	ppb	0.37	50	101.4	90 - 110	
59 Co	72	1	51.22	ppb	0.21	50	102.4	90 - 110	
60 Ni	72	1	48.08	ppb	0.49	50	96.2	90 - 110	
63 Cu	72	1	50.11	ppb	1.45	50	100.2	90 - 110	
66 Zn	72	1	49.69	ppb	0.39	50	99.4	90 - 110	
75 As	72	1	49.43	ppb	0.30	50	98.9	90 - 110	
78 Se	72	1	48.40	ppb	2.93	50	96.8	90 - 110	
95 Mo	72	1	49.68	ppb	0.61	50	99.4	90 - 110	
107 Ag	115	1	51.04	ppb	0.93	50	102.1	90 - 110	
111 Cd	115	1	49.50	ppb	0.98	50	99.0	90 - 110	
118 Sn	115	1	49.07	ppb	1.08	50	98.1	90 - 110	
121 Sb	115	1	48.83	ppb	0.73	50	97.7	90 - 110	
137 Ba	115	1	50.34	ppb	0.76	50	100.7	90 - 110	
205 Tl	165	1	51.70	ppb	1.58	50	103.4	90 - 110	
208 Pb	165	1	51.20	ppb	2.46	50	102.4	90 - 110	
232 Th	165	1	51.82	ppb	2.50	50	103.6	90 - 110	
238 U	165	1	51.06	ppb	1.85	50	102.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	490365	0.86	542197	90.4	30 - 120	
45 Sc	1	2630180	0.81	2850994	92.3	30 - 120	
72 Ge	1	1653335	0.52	1758913	94.0	30 - 120	
115 In	1	5455325	0.67	5681129	96.0	30 - 120	
165 Ho	1	10682484	1.46	10936779	97.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\155_CCB.D\155_CCB.D#
Date Acquired: Apr 3 2012 12:36 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.009	ppb	173.23	1.00	
51 V	72	1	0.001	ppb	1008.60	1.00	
52 Cr	72	1	0.008	ppb	61.43	1.00	
55 Mn	72	1	0.080	ppb	24.50	1.00	
59 Co	72	1	0.007	ppb	35.66	1.00	
60 Ni	72	1	0.015	ppb	5.33	1.00	
63 Cu	72	1	0.026	ppb	17.52	1.00	
66 Zn	72	1	0.111	ppb	20.99	1.00	
75 As	72	1	0.011	ppb	87.20	1.00	
78 Se	72	1	0.075	ppb	129.34	1.00	
95 Mo	72	1	0.006	ppb	110.70	1.00	
107 Ag	115	1	0.012	ppb	38.59	1.00	
111 Cd	115	1	-0.005	ppb	239.09	1.00	
118 Sn	115	1	0.031	ppb	25.61	1.00	
121 Sb	115	1	0.039	ppb	5.21	1.00	
137 Ba	115	1	0.066	ppb	1.82	1.00	
205 Tl	165	1	0.023	ppb	5.62	1.00	
208 Pb	165	1	0.017	ppb	10.20	1.00	
232 Th	165	1	0.027	ppb	21.44	1.00	
238 U	165	1	0.009	ppb	5.33	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	490803	0.41	542197	90.5	30 - 120	
45 Sc	1	2634158	0.65	2850994	92.4	30 - 120	
72 Ge	1	1648182	0.97	1758913	93.7	30 - 120	
115 In	1	5415768	0.73	5681129	95.3	30 - 120	
165 Ho	1	10634601	0.56	10936779	97.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\156SMPL.D\156SMPL.D#
Date Acquired: Apr 3 2012 12:39 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-6-b
Misc Info:
Vial Number: 3309
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.02	1.02	ppb	12.70	3600	
51 V	72	1	46.89	46.89	ppb	0.34	3600	
52 Cr	72	1	41.02	41.02	ppb	2.08	3600	
55 Mn	72	1	297.00	297.00	ppb	0.32	18000	
59 Co	72	1	6.67	6.67	ppb	0.48	3600	
60 Ni	72	1	10.72	10.72	ppb	2.28	3600	
63 Cu	72	1	21.93	21.93	ppb	0.75	3600	
66 Zn	72	1	83.79	83.79	ppb	1.03	3600	
75 As	72	1	5.81	5.81	ppb	2.03	3600	
78 Se	72	1	3.78	3.78	ppb	3.20	3600	
95 Mo	72	1	0.92	0.92	ppb	4.95	3600	
107 Ag	115	1	0.13	0.13	ppb	2.33	3600	
111 Cd	115	1	0.62	0.62	ppb	7.15	3600	
118 Sn	115	1	0.60	0.60	ppb	2.54	3600	
121 Sb	115	1	0.06	0.06	ppb	2.88	3600	
137 Ba	115	1	491.00	491.00	ppb	0.66	3600	
205 Tl	165	1	0.20	0.20	ppb	1.69	3600	
208 Pb	165	1	22.42	22.42	ppb	0.90	3600	
232 Th	165	1	10.47	10.47	ppb	0.34	1000	
238 U	165	1	1.65	1.65	ppb	1.23	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	462657	0.58	542197	85.3	30 - 120	
45 Sc	1	2522679	0.73	2850994	88.5	30 - 120	
72 Ge	1	1555502	0.33	1758913	88.4	30 - 120	
115 In	1	5044083	0.71	5681129	88.8	30 - 120	
165 Ho	1	10034379	0.88	10936779	91.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\157SMPL.D\157SMPL.D#
Date Acquired: Apr 3 2012 12:42 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-7-b
Misc Info:
Vial Number: 3310
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.97	0.97	ppb	11.96	3600	
51 V	72	1	46.43	46.43	ppb	2.23	3600	
52 Cr	72	1	39.99	39.99	ppb	1.67	3600	
55 Mn	72	1	279.50	279.50	ppb	0.57	18000	
59 Co	72	1	6.42	6.42	ppb	0.99	3600	
60 Ni	72	1	10.36	10.36	ppb	0.96	3600	
63 Cu	72	1	21.69	21.69	ppb	0.36	3600	
66 Zn	72	1	76.29	76.29	ppb	0.41	3600	
75 As	72	1	5.56	5.56	ppb	2.33	3600	
78 Se	72	1	3.39	3.39	ppb	1.82	3600	
95 Mo	72	1	0.94	0.94	ppb	3.70	3600	
107 Ag	115	1	0.15	0.15	ppb	5.97	3600	
111 Cd	115	1	0.57	0.57	ppb	4.88	3600	
118 Sn	115	1	0.64	0.64	ppb	3.54	3600	
121 Sb	115	1	0.04	0.04	ppb	8.70	3600	
137 Ba	115	1	432.40	432.40	ppb	1.21	3600	
205 Tl	165	1	0.18	0.18	ppb	1.40	3600	
208 Pb	165	1	23.18	23.18	ppb	0.58	3600	
232 Th	165	1	10.87	10.87	ppb	3.22	1000	
238 U	165	1	1.52	1.52	ppb	1.12	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	467949	0.86	542197	86.3	30 - 120	
45 Sc	1	2515866	0.98	2850994	88.2	30 - 120	
72 Ge	1	1554870	0.71	1758913	88.4	30 - 120	
115 In	1	5108957	1.18	5681129	89.9	30 - 120	
165 Ho	1	10147503	0.17	10936779	92.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\158SMPL.D\158SMPL.D#
Date Acquired: Apr 3 2012 12:45 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-8-b
Misc Info:
Vial Number: 3311
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.09	1.09	ppb	6.30	3600	
51 V	72	1	47.47	47.47	ppb	0.92	3600	
52 Cr	72	1	35.63	35.63	ppb	1.33	3600	
55 Mn	72	1	347.60	347.60	ppb	1.54	18000	
59 Co	72	1	6.55	6.55	ppb	1.94	3600	
60 Ni	72	1	10.18	10.18	ppb	1.39	3600	
63 Cu	72	1	18.26	18.26	ppb	1.53	3600	
66 Zn	72	1	77.99	77.99	ppb	1.30	3600	
75 As	72	1	5.76	5.76	ppb	1.64	3600	
78 Se	72	1	3.53	3.53	ppb	13.02	3600	
95 Mo	72	1	0.92	0.92	ppb	2.44	3600	
107 Ag	115	1	0.14	0.14	ppb	2.43	3600	
111 Cd	115	1	0.50	0.50	ppb	9.16	3600	
118 Sn	115	1	0.46	0.46	ppb	2.27	3600	
121 Sb	115	1	0.04	0.04	ppb	4.49	3600	
137 Ba	115	1	373.10	373.10	ppb	0.78	3600	
205 Tl	165	1	0.17	0.17	ppb	2.28	3600	
208 Pb	165	1	18.96	18.96	ppb	0.14	3600	
232 Th	165	1	9.96	9.96	ppb	0.98	1000	
238 U	165	1	1.55	1.55	ppb	0.68	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465565	0.91	542197	85.9	30 - 120	
45 Sc	1	2530047	0.22	2850994	88.7	30 - 120	
72 Ge	1	1518369	1.20	1758913	86.3	30 - 120	
115 In	1	5049372	0.40	5681129	88.9	30 - 120	
165 Ho	1	10103149	0.12	10936779	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\159SMPL.D\159SMPL.D#
Date Acquired: Apr 3 2012 12:48 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-9-b
Misc Info:
Vial Number: 3312
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.08	1.08	ppb	15.84	3600	
51 V	72	1	51.85	51.85	ppb	1.87	3600	
52 Cr	72	1	43.53	43.53	ppb	0.51	3600	
55 Mn	72	1	324.50	324.50	ppb	0.82	18000	
59 Co	72	1	7.61	7.61	ppb	0.54	3600	
60 Ni	72	1	11.55	11.55	ppb	0.53	3600	
63 Cu	72	1	21.99	21.99	ppb	0.95	3600	
66 Zn	72	1	72.40	72.40	ppb	0.67	3600	
75 As	72	1	5.95	5.95	ppb	2.25	3600	
78 Se	72	1	3.93	3.93	ppb	4.75	3600	
95 Mo	72	1	1.23	1.23	ppb	2.23	3600	
107 Ag	115	1	0.12	0.12	ppb	6.03	3600	
111 Cd	115	1	0.58	0.58	ppb	8.35	3600	
118 Sn	115	1	0.48	0.48	ppb	3.27	3600	
121 Sb	115	1	0.04	0.04	ppb	6.73	3600	
137 Ba	115	1	654.90	654.90	ppb	1.93	3600	
205 Tl	165	1	0.20	0.20	ppb	1.37	3600	
208 Pb	165	1	19.44	19.44	ppb	0.16	3600	
232 Th	165	1	10.57	10.57	ppb	0.65	1000	
238 U	165	1	1.58	1.58	ppb	1.36	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	460280	0.32	542197	84.9	30 - 120	
45 Sc	1	2507879	0.75	2850994	88.0	30 - 120	
72 Ge	1	1519859	1.43	1758913	86.4	30 - 120	
115 In	1	4988278	0.64	5681129	87.8	30 - 120	
165 Ho	1	9988145	0.62	10936779	91.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\160SMPL.D\160SMPL.D#
Date Acquired: Apr 3 2012 12:50 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-10-b
Misc Info:
Vial Number: 3401
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.84	0.84	ppb	9.82	3600	
51 V	72	1	29.07	29.07	ppb	0.61	3600	
52 Cr	72	1	14.35	14.35	ppb	0.67	3600	
55 Mn	72	1	177.10	177.10	ppb	1.29	18000	
59 Co	72	1	6.40	6.40	ppb	0.40	3600	
60 Ni	72	1	9.50	9.50	ppb	1.10	3600	
63 Cu	72	1	10.20	10.20	ppb	1.10	3600	
66 Zn	72	1	42.37	42.37	ppb	0.37	3600	
75 As	72	1	4.25	4.25	ppb	1.75	3600	
78 Se	72	1	4.38	4.38	ppb	5.27	3600	
95 Mo	72	1	0.54	0.54	ppb	4.77	3600	
107 Ag	115	1	0.06	0.06	ppb	0.54	3600	
111 Cd	115	1	0.44	0.44	ppb	7.16	3600	
118 Sn	115	1	0.20	0.20	ppb	3.43	3600	
121 Sb	115	1	0.02	0.02	ppb	5.23	3600	
137 Ba	115	1	130.60	130.60	ppb	0.60	3600	
205 Tl	165	1	0.23	0.23	ppb	1.59	3600	
208 Pb	165	1	11.85	11.85	ppb	0.12	3600	
232 Th	165	1	14.88	14.88	ppb	1.73	1000	
238 U	165	1	1.88	1.88	ppb	0.79	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	480446	0.36	542197	88.6	30 - 120	
45 Sc	1	2583825	0.57	2850994	90.6	30 - 120	
72 Ge	1	1589209	0.36	1758913	90.4	30 - 120	
115 In	1	5229640	1.01	5681129	92.1	30 - 120	
165 Ho	1	10434393	0.60	10936779	95.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\161SMPL.D\161SMPL.D#
Date Acquired: Apr 3 2012 12:53 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-11-b
Misc Info:
Vial Number: 3402
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.19	1.19	ppb	4.03	3600	
51 V	72	1	44.23	44.23	ppb	0.70	3600	
52 Cr	72	1	23.58	23.58	ppb	0.83	3600	
55 Mn	72	1	419.60	419.60	ppb	0.80	18000	
59 Co	72	1	7.18	7.18	ppb	0.96	3600	
60 Ni	72	1	16.26	16.26	ppb	0.61	3600	
63 Cu	72	1	235.80	235.80	ppb	1.27	3600	
66 Zn	72	1	250.00	250.00	ppb	1.58	3600	
75 As	72	1	11.74	11.74	ppb	1.29	3600	
78 Se	72	1	2.02	2.02	ppb	15.34	3600	
95 Mo	72	1	1.82	1.82	ppb	4.06	3600	
107 Ag	115	1	0.21	0.21	ppb	3.72	3600	
111 Cd	115	1	1.05	1.05	ppb	4.33	3600	
118 Sn	115	1	10.16	10.16	ppb	1.52	3600	
121 Sb	115	1	3.67	3.67	ppb	0.56	3600	
137 Ba	115	1	342.90	342.90	ppb	1.59	3600	
205 Tl	165	1	0.24	0.24	ppb	1.29	3600	
208 Pb	165	1	334.70	334.70	ppb	0.34	3600	
232 Th	165	1	10.93	10.93	ppb	0.69	1000	
238 U	165	1	2.00	2.00	ppb	0.85	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465944	0.68	542197	85.9	30 - 120	
45 Sc	1	2492012	0.24	2850994	87.4	30 - 120	
72 Ge	1	1545950	0.91	1758913	87.9	30 - 120	
115 In	1	5082032	0.32	5681129	89.5	30 - 120	
165 Ho	1	10239465	0.04	10936779	93.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\162SMPL.D\162SMPL.D#
Date Acquired: Apr 3 2012 12:56 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-12-b
Misc Info:
Vial Number: 3403
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.44	1.44	ppb	3.40	3600	
51 V	72	1	69.89	69.89	ppb	0.75	3600	
52 Cr	72	1	124.00	124.00	ppb	1.58	3600	
55 Mn	72	1	258.50	258.50	ppb	1.74	18000	
59 Co	72	1	8.45	8.45	ppb	0.94	3600	
60 Ni	72	1	16.83	16.83	ppb	1.43	3600	
63 Cu	72	1	50.89	50.89	ppb	1.35	3600	
66 Zn	72	1	116.60	116.60	ppb	0.99	3600	
75 As	72	1	8.36	8.36	ppb	0.89	3600	
78 Se	72	1	8.82	8.82	ppb	3.61	3600	
95 Mo	72	1	2.10	2.10	ppb	0.27	3600	
107 Ag	115	1	0.15	0.15	ppb	5.48	3600	
111 Cd	115	1	0.97	0.97	ppb	3.17	3600	
118 Sn	115	1	1.06	1.06	ppb	2.88	3600	
121 Sb	115	1	0.06	0.06	ppb	9.07	3600	
137 Ba	115	1	1,227.00	1227.00	ppb	1.10	3600	
205 Tl	165	1	0.26	0.26	ppb	2.39	3600	
208 Pb	165	1	23.29	23.29	ppb	0.85	3600	
232 Th	165	1	11.71	11.71	ppb	2.06	1000	
238 U	165	1	2.68	2.68	ppb	0.34	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	457954	1.00	542197	84.5	30 - 120	
45 Sc	1	2489484	0.30	2850994	87.3	30 - 120	
72 Ge	1	1503954	1.49	1758913	85.5	30 - 120	
115 In	1	4991072	0.41	5681129	87.9	30 - 120	
165 Ho	1	9896852	0.91	10936779	90.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\163_CCV.D\163_CCV.D#
Date Acquired: Apr 3 2012 12:59 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.25	ppb	2.68	50	100.5	90 - 110	
51 V	72	1	50.49	ppb	1.38	50	101.0	90 - 110	
52 Cr	72	1	50.21	ppb	1.40	50	100.4	90 - 110	
55 Mn	72	1	51.27	ppb	2.13	50	102.5	90 - 110	
59 Co	72	1	51.27	ppb	2.09	50	102.5	90 - 110	
60 Ni	72	1	48.06	ppb	1.56	50	96.1	90 - 110	
63 Cu	72	1	50.66	ppb	1.92	50	101.3	90 - 110	
66 Zn	72	1	49.69	ppb	0.88	50	99.4	90 - 110	
75 As	72	1	49.58	ppb	0.52	50	99.2	90 - 110	
78 Se	72	1	50.91	ppb	1.72	50	101.8	90 - 110	
95 Mo	72	1	49.60	ppb	0.48	50	99.2	90 - 110	
107 Ag	115	1	51.33	ppb	2.07	50	102.7	90 - 110	
111 Cd	115	1	49.76	ppb	1.01	50	99.5	90 - 110	
118 Sn	115	1	49.18	ppb	0.45	50	98.4	90 - 110	
121 Sb	115	1	48.85	ppb	0.39	50	97.7	90 - 110	
137 Ba	115	1	50.53	ppb	0.57	50	101.1	90 - 110	
205 Tl	165	1	51.83	ppb	1.31	50	103.7	90 - 110	
208 Pb	165	1	51.74	ppb	1.89	50	103.5	90 - 110	
232 Th	165	1	51.55	ppb	1.30	50	103.1	90 - 110	
238 U	165	1	51.48	ppb	1.39	50	103.0	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	486838	1.07	542197	89.8	30 - 120	
45 Sc	1	2655312	0.83	2850994	93.1	30 - 120	
72 Ge	1	1653520	0.51	1758913	94.0	30 - 120	
115 In	1	5458641	0.57	5681129	96.1	30 - 120	
165 Ho	1	10591069	0.62	10936779	96.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\164_CCB.D\164_CCB.D#
Date Acquired: Apr 3 2012 01:02 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.014	ppb	99.78	1.00	
51 V	72	1	0.003	ppb	330.97	1.00	
52 Cr	72	1	0.007	ppb	23.28	1.00	
55 Mn	72	1	0.082	ppb	12.23	1.00	
59 Co	72	1	0.006	ppb	12.20	1.00	
60 Ni	72	1	0.015	ppb	51.09	1.00	
63 Cu	72	1	0.023	ppb	24.63	1.00	
66 Zn	72	1	0.098	ppb	20.55	1.00	
75 As	72	1	0.004	ppb	77.38	1.00	
78 Se	72	1	0.002	ppb	3712.30	1.00	
95 Mo	72	1	0.010	ppb	93.85	1.00	
107 Ag	115	1	0.009	ppb	13.72	1.00	
111 Cd	115	1	0.001	ppb	1034.30	1.00	
118 Sn	115	1	0.021	ppb	31.31	1.00	
121 Sb	115	1	0.040	ppb	9.64	1.00	
137 Ba	115	1	0.071	ppb	3.22	1.00	
205 Tl	165	1	0.023	ppb	16.93	1.00	
208 Pb	165	1	0.021	ppb	10.53	1.00	
232 Th	165	1	0.026	ppb	15.04	1.00	
238 U	165	1	0.009	ppb	5.57	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	489360	1.02	542197	90.3	30 - 120	
45 Sc	1	2652032	0.82	2850994	93.0	30 - 120	
72 Ge	1	1662505	0.90	1758913	94.5	30 - 120	
115 In	1	5468246	0.37	5681129	96.3	30 - 120	
165 Ho	1	10609281	0.96	10936779	97.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\165WASH.D\165WASH.D#
Date Acquired: Apr 3 2012 01:05 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.017 ppb	100.65	1.30	
51 V	72	1	-0.079 ppb	27.25	6.50	
52 Cr	72	1	1.247 ppb	2.96	2.60	
55 Mn	72	1	0.660 ppb	3.92	1.30	
59 Co	72	1	0.065 ppb	8.59	1.30	
60 Ni	72	1	0.984 ppb	4.94	2.60	
63 Cu	72	1	0.386 ppb	5.64	2.60	
66 Zn	72	1	3.511 ppb	2.91	13.00	
75 As	72	1	0.589 ppb	3.01	6.50	
78 Se	72	1	-0.074 ppb	179.84	6.50	
95 Mo	72	1	2134.000 ppb	1.20	2.60	
107 Ag	115	1	0.065 ppb	6.59	6.50	
111 Cd	115	1	0.763 ppb	20.21	1.30	
118 Sn	115	1	0.143 ppb	6.32	13.00	
121 Sb	115	1	0.292 ppb	4.82	2.60	
137 Ba	115	1	0.276 ppb	8.10	1.30	
205 Tl	165	1	0.045 ppb	29.09	1.30	
208 Pb	165	1	0.190 ppb	6.40	1.30	
232 Th	165	1	0.036 ppb	3.01	2.60	
238 U	165	1	0.009 ppb	5.71	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	400008	1.32	542197	73.8	30 - 120	
45 Sc	1	2076086	1.05	2850994	72.8	30 - 120	
72 Ge	1	1262378	1.35	1758913	71.8	30 - 120	
115 In	1	4196911	0.87	5681129	73.9	30 - 120	
165 Ho	1	8708770	0.62	10936779	79.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\166WASH.D\166WASH.D#
Date Acquired: Apr 3 2012 01:08 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.009 ppb	86.60	1.30	
51 V	72	1	0.015 ppb	63.17	6.50	
52 Cr	72	1	0.009 ppb	100.16	2.60	
55 Mn	72	1	0.038 ppb	20.55	1.30	
59 Co	72	1	0.003 ppb	80.04	1.30	
60 Ni	72	1	0.007 ppb	56.67	2.60	
63 Cu	72	1	0.027 ppb	4.06	2.60	
66 Zn	72	1	0.064 ppb	6.44	13.00	
75 As	72	1	0.004 ppb	44.65	6.50	
78 Se	72	1	-0.010 ppb	1340.90	6.50	
95 Mo	72	1	0.421 ppb	14.51	2.60	
107 Ag	115	1	0.002 ppb	10.77	6.50	
111 Cd	115	1	-0.043 ppb	15.93	1.30	
118 Sn	115	1	0.001 ppb	409.75	13.00	
121 Sb	115	1	0.007 ppb	8.44	2.60	
137 Ba	115	1	0.035 ppb	8.10	1.30	
205 Tl	165	1	0.004 ppb	16.57	1.30	
208 Pb	165	1	0.009 ppb	24.05	1.30	
232 Th	165	1	0.003 ppb	33.90	2.60	
238 U	165	1	0.002 ppb	15.06	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	502339	1.00	542197	92.6	30 - 120	
45 Sc	1	2629634	0.91	2850994	92.2	30 - 120	
72 Ge	1	1622392	0.79	1758913	92.2	30 - 120	
115 In	1	5413166	1.21	5681129	95.3	30 - 120	
165 Ho	1	10644151	0.49	10936779	97.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\167WASH.D\167WASH.D#
Date Acquired: Apr 3 2012 01:11 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.004 ppb	173.20	1.30	
51 V	72	1	-0.008 ppb	192.95	6.50	
52 Cr	72	1	0.007 ppb	27.68	2.60	
55 Mn	72	1	0.024 ppb	11.46	1.30	
59 Co	72	1	0.000 ppb	1331.50	1.30	
60 Ni	72	1	0.003 ppb	167.78	2.60	
63 Cu	72	1	0.025 ppb	26.80	2.60	
66 Zn	72	1	0.054 ppb	20.16	13.00	
75 As	72	1	0.004 ppb	77.97	6.50	
78 Se	72	1	0.030 ppb	804.09	6.50	
95 Mo	72	1	0.105 ppb	19.41	2.60	
107 Ag	115	1	0.001 ppb	22.01	6.50	
111 Cd	115	1	-0.044 ppb	23.16	1.30	
118 Sn	115	1	0.003 ppb	18.08	13.00	
121 Sb	115	1	0.004 ppb	45.26	2.60	
137 Ba	115	1	0.025 ppb	16.89	1.30	
205 Tl	165	1	0.002 ppb	16.48	1.30	
208 Pb	165	1	0.006 ppb	21.86	1.30	
232 Th	165	1	0.001 ppb	12.57	2.60	
238 U	165	1	0.002 ppb	21.49	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	515556	0.27	542197	95.1	30 - 120	
45 Sc	1	2738536	0.82	2850994	96.1	30 - 120	
72 Ge	1	1711010	0.93	1758913	97.3	30 - 120	
115 In	1	5566686	0.40	5681129	98.0	30 - 120	
165 Ho	1	10766705	0.38	10936779	98.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\168WASH.D\168WASH.D#
Date Acquired: Apr 3 2012 01:14 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	1.30	
51 V	72	1	0.002 ppb	362.67	6.50	
52 Cr	72	1	0.013 ppb	69.05	2.60	
55 Mn	72	1	0.018 ppb	27.61	1.30	
59 Co	72	1	0.001 ppb	111.56	1.30	
60 Ni	72	1	0.008 ppb	97.80	2.60	
63 Cu	72	1	0.022 ppb	10.68	2.60	
66 Zn	72	1	0.065 ppb	7.60	13.00	
75 As	72	1	0.002 ppb	40.94	6.50	
78 Se	72	1	-0.036 ppb	529.38	6.50	
95 Mo	72	1	0.046 ppb	19.50	2.60	
107 Ag	115	1	0.000 ppb	457.43	6.50	
111 Cd	115	1	-0.040 ppb	10.53	1.30	
118 Sn	115	1	0.000 ppb	1127.00	13.00	
121 Sb	115	1	0.002 ppb	38.05	2.60	
137 Ba	115	1	0.026 ppb	25.66	1.30	
205 Tl	165	1	0.001 ppb	56.36	1.30	
208 Pb	165	1	0.005 ppb	19.52	1.30	
232 Th	165	1	0.001 ppb	50.56	2.60	
238 U	165	1	0.002 ppb	9.72	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	516969	0.28	542197	95.3	30 - 120	
45 Sc	1	2766164	0.41	2850994	97.0	30 - 120	
72 Ge	1	1710363	0.49	1758913	97.2	30 - 120	
115 In	1	5617327	0.62	5681129	98.9	30 - 120	
165 Ho	1	10798989	0.03	10936779	98.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\169CAL
Date Acquired: Apr 3 2012 01:16 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	7	173.24
51	V	72	1	115	44.01
52	Cr	72	1	3074	3.21
55	Mn	72	1	1607	2.52
59	Co	72	1	227	20.85
60	Ni	72	1	190	18.98
63	Cu	72	1	1630	5.85
66	Zn	72	1	811	1.68
75	As	72	1	137	10.93
78	Se	72	1	473	8.79
95	Mo	72	1	627	13.38
107	Ag	115	1	90	40.07
111	Cd	115	1	541	3.47
118	Sn	115	1	623	2.45
121	Sb	115	1	137	10.63
137	Ba	115	1	371	4.95
205	Tl	165	1	407	9.24
208	Pb	165	1	2398	0.29
232	Th	165	1	490	17.79
238	U	165	1	454	6.32

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	521550	0.45
45	Sc	1	2750708	1.05
72	Ge	1	1701053	0.85
115	In	1	5583538	0.56
165	Ho	1	10759740	0.41

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\170CAL
Date Acquired: Apr 3 2012 01:19 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342540
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:17 am
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	88	323.79
52	Cr	72	1	2590	7.52
55	Mn	72	1	1533	9.55
59	Co	72	1	213	33.26
60	Ni	72	1	140	12.37
63	Cu	72	1	1157	15.47
66	Zn	72	1	533	5.70
75	As	72	1	115	14.54
78	Se	72	1	543	16.08
95	Mo	72	1	533	16.17
107	Ag	115	1	20	50.00
111	Cd	115	1	534	8.56
118	Sn	115	1	503	17.81
121	Sb	115	1	96	8.06
137	Ba	115	1	318	5.78
205	Tl	165	1	353	13.21
208	Pb	165	1	2209	1.30
232	Th	165	1	373	17.84
238	U	165	1	303	10.48

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	519530	1.09
45	Sc	1	2751291	0.84
72	Ge	1	1702933	1.26
115	In	1	5506681	0.27
165	Ho	1	10658310	0.97

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\171ICAL.D\171ICAL.D#
Date Acquired: Apr 3 2012 01:22 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342531
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:20 am
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	73577	1.15
51 V	72	1	2265147	1.23
52 Cr	72	1	2589761	0.98
55 Mn	72	1	2468384	0.54
59 Co	72	1	3742568	0.47
60 Ni	72	1	941225	0.71
63 Cu	72	1	2223123	0.28
66 Zn	72	1	358332	0.54
75 As	72	1	266431	0.32
78 Se	72	1	44121	1.44
95 Mo	72	1	1142052	1.28
107 Ag	115	1	3497518	0.88
111 Cd	115	1	578823	0.51
118 Sn	115	1	1614562	0.85
121 Sb	115	1	1575112	0.56
137 Ba	115	1	755806	0.23
205 Tl	165	1	6402313	0.51
208 Pb	165	1	8677176	0.65
232 Th	165	1	8456134	1.13
238 U	165	1	8958730	1.09

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	506216	0.91	519530	97.4	30 - 120	
45 Sc	1	2678611	0.70	2751291	97.4	30 - 120	
72 Ge	1	1660336	0.81	1702933	97.5	30 - 120	
115 In	1	5459357	1.08	5506681	99.1	30 - 120	
165 Ho	1	10625970	0.57	10658309	99.7	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\172_CCV.D\172_CCV.D#
Date Acquired: Apr 3 2012 01:25 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.36	ppb	2.42	50	100.7	90 - 110	
51 V	72	1	51.64	ppb	0.71	50	103.3	90 - 110	
52 Cr	72	1	51.54	ppb	1.37	50	103.1	90 - 110	
55 Mn	72	1	51.18	ppb	1.29	50	102.4	90 - 110	
59 Co	72	1	52.17	ppb	1.17	50	104.3	90 - 110	
60 Ni	72	1	48.62	ppb	1.24	50	97.2	90 - 110	
63 Cu	72	1	51.03	ppb	1.35	50	102.1	90 - 110	
66 Zn	72	1	50.40	ppb	1.55	50	100.8	90 - 110	
75 As	72	1	50.58	ppb	0.80	50	101.2	90 - 110	
78 Se	72	1	49.86	ppb	3.15	50	99.7	90 - 110	
95 Mo	72	1	49.58	ppb	1.30	50	99.2	90 - 110	
107 Ag	115	1	51.52	ppb	1.04	50	103.0	90 - 110	
111 Cd	115	1	50.73	ppb	1.05	50	101.5	90 - 110	
118 Sn	115	1	49.92	ppb	0.67	50	99.8	90 - 110	
121 Sb	115	1	50.43	ppb	0.69	50	100.9	90 - 110	
137 Ba	115	1	50.84	ppb	1.13	50	101.7	90 - 110	
205 Tl	165	1	51.23	ppb	0.63	50	102.5	90 - 110	
208 Pb	165	1	51.40	ppb	0.39	50	102.8	90 - 110	
232 Th	165	1	50.61	ppb	1.18	50	101.2	90 - 110	
238 U	165	1	50.90	ppb	1.24	50	101.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	498696	1.29	519530	96.0	30 - 120	
45 Sc	1	2658394	0.46	2751291	96.6	30 - 120	
72 Ge	1	1634910	1.04	1702933	96.0	30 - 120	
115 In	1	5365674	0.73	5506681	97.4	30 - 120	
165 Ho	1	10513681	0.64	10658309	98.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\173_CCB.D\173_CCB.D#
Date Acquired: Apr 3 2012 01:28 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.014	ppb	55.42	1.00	
51 V	72	1	0.001	ppb	2535.50	1.00	
52 Cr	72	1	0.015	ppb	62.27	1.00	
55 Mn	72	1	0.033	ppb	28.48	1.00	
59 Co	72	1	0.007	ppb	41.47	1.00	
60 Ni	72	1	0.008	ppb	52.05	1.00	
63 Cu	72	1	0.015	ppb	39.16	1.00	
66 Zn	72	1	0.102	ppb	26.83	1.00	
75 As	72	1	0.014	ppb	47.68	1.00	
78 Se	72	1	-0.313	ppb	44.93	1.00	
95 Mo	72	1	0.005	ppb	53.45	1.00	
107 Ag	115	1	0.017	ppb	18.05	1.00	
111 Cd	115	1	0.017	ppb	32.51	1.00	
118 Sn	115	1	0.046	ppb	19.80	1.00	
121 Sb	115	1	0.057	ppb	7.08	1.00	
137 Ba	115	1	-0.004	ppb	152.85	1.00	
205 Tl	165	1	0.031	ppb	19.21	1.00	
208 Pb	165	1	0.007	ppb	33.37	1.00	
232 Th	165	1	0.045	ppb	14.57	1.00	
238 U	165	1	0.009	ppb	8.93	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	495109	0.94	519530	95.3	30 - 120	
45 Sc	1	2621730	0.79	2751291	95.3	30 - 120	
72 Ge	1	1605361	1.94	1702933	94.3	30 - 120	
115 In	1	5351765	0.74	5506681	97.2	30 - 120	
165 Ho	1	10416488	0.79	10658309	97.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\174_BLK.D\174_BLK.D#
Date Acquired: Apr 3 2012 01:31 am
Operator: TEL
Sample Name: mb 280-113855/1-a
Misc Info: BLANK 113855 6020
Vial Number: 3404
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.033 ppb	64.73	2.00	
51 V	72	1	0.006 ppb	180.03	2.00	
52 Cr	72	1	0.002 ppb	302.79	2.00	
55 Mn	72	1	-0.002 ppb	96.73	2.00	
59 Co	72	1	0.003 ppb	88.02	2.00	
60 Ni	72	1	0.034 ppb	22.25	2.00	
63 Cu	72	1	0.010 ppb	59.36	2.00	
66 Zn	72	1	1.044 ppb	1.67	2.00	
75 As	72	1	0.012 ppb	48.85	2.00	
78 Se	72	1	-0.155 ppb	56.73	2.00	
95 Mo	72	1	-0.015 ppb	59.41	2.00	
107 Ag	115	1	0.007 ppb	47.62	2.00	
111 Cd	115	1	-0.013 ppb	34.21	2.00	
118 Sn	115	1	0.036 ppb	25.16	2.00	
121 Sb	115	1	0.024 ppb	7.82	2.00	
137 Ba	115	1	-0.009 ppb	61.63	2.00	
205 Tl	165	1	0.009 ppb	32.02	2.00	
208 Pb	165	1	0.002 ppb	151.68	2.00	
232 Th	165	1	0.012 ppb	29.62	2.00	
238 U	165	1	0.006 ppb	59.70	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	495338	0.95	519530	95.3	30 - 120	
45 Sc	1	2647760	1.20	2751291	96.2	30 - 120	
72 Ge	1	1653551	1.19	1702933	97.1	30 - 120	
115 In	1	5359858	0.71	5506681	97.3	30 - 120	
165 Ho	1	10406097	0.48	10658309	97.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\175_LCS.D\175_LCS.D#
Date Acquired: Apr 3 2012 01:34 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113855/2-a
Misc Info: LCS
Vial Number: 3405
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	42.47	0.70	40	106.2	80 - 120	
51 V	72	1	41.67	1.15	40	104.2	80 - 120	
52 Cr	72	1	41.55	1.10	40	103.9	80 - 120	
55 Mn	72	1	40.71	1.31	40	101.8	80 - 120	
59 Co	72	1	41.52	1.31	40	103.8	80 - 120	
60 Ni	72	1	38.72	1.02	40	96.8	80 - 120	
63 Cu	72	1	41.61	1.13	40	104.0	80 - 120	
66 Zn	72	1	44.93	1.03	40	112.3	80 - 120	
75 As	72	1	42.16	0.81	40	105.4	80 - 120	
78 Se	72	1	42.35	2.38	40	105.9	80 - 120	
95 Mo	72	1	39.56	1.65	40	98.9	80 - 120	
107 Ag	115	1	42.04	1.46	40	105.1	80 - 120	
111 Cd	115	1	41.68	0.67	40	104.2	80 - 120	
118 Sn	115	1	40.22	0.36	40	100.6	80 - 120	
121 Sb	115	1	41.45	0.69	40	103.6	80 - 120	
137 Ba	115	1	40.88	1.28	40	102.2	80 - 120	
205 Tl	165	1	42.14	1.17	40	105.4	80 - 120	
208 Pb	165	1	41.54	0.62	40	103.9	80 - 120	
232 Th	165	1	41.12	1.79	40	102.8	80 - 120	
238 U	165	1	41.70	1.88	40	104.3	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	489817	0.24	519530	94.3	30 - 120	
45 Sc	1	2601810	0.65	2751291	94.6	30 - 120	
72 Ge	1	1630559	0.89	1702933	95.8	30 - 120	
115 In	1	5330961	0.86	5506681	96.8	30 - 120	
165 Ho	1	10328203	0.48	10658309	96.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\176AREF.D\176AREF.D#
Date Acquired: Apr 3 2012 01:37 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-1-a
Misc Info:
Vial Number: 3406
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	53.02	3600	
51 V	72	1	0.10	0.10	ppb	27.77	3600	
52 Cr	72	1	0.12	0.12	ppb	21.45	3600	
55 Mn	72	1	3,155.00	3155.00	ppb	1.78	18000	
59 Co	72	1	2.66	2.66	ppb	2.91	3600	
60 Ni	72	1	2.06	2.06	ppb	2.18	3600	
63 Cu	72	1	0.28	0.28	ppb	3.55	3600	
66 Zn	72	1	28.54	28.54	ppb	1.16	3600	
75 As	72	1	1.66	1.66	ppb	3.27	3600	
78 Se	72	1	-0.12	-0.12	ppb	115.99	3600	
95 Mo	72	1	0.72	0.72	ppb	5.07	3600	
107 Ag	115	1	0.01	0.01	ppb	14.54	3600	
111 Cd	115	1	0.02	0.02	ppb	48.61	3600	
118 Sn	115	1	0.06	0.06	ppb	16.56	3600	
121 Sb	115	1	0.08	0.08	ppb	9.26	3600	
137 Ba	115	1	136.50	136.50	ppb	0.61	3600	
205 Tl	165	1	0.04	0.04	ppb	30.46	3600	
208 Pb	165	1	0.06	0.06	ppb	15.92	3600	
232 Th	165	1	0.05	0.05	ppb	18.18	1000	
238 U	165	1	16.44	16.44	ppb	0.62	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	340137	2.36	519530	65.5	30 - 120	
45 Sc	1	1836622	0.94	2751291	66.8	30 - 120	
72 Ge	1	1033356	1.71	1702933	60.7	30 - 120	
115 In	1	3546587	0.74	5506681	64.4	30 - 120	
165 Ho	1	7619002	0.51	10658309	71.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\177SDIL.D\177SDIL.D#
Date Acquired: Apr 3 2012 01:39 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-1-a SD@5
Misc Info: SERIAL DILUTION
Vial Number: 3407
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\176AREF.D\176AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.01	ppb	286.48	0.00	148.0	90 - 110	
51 V	72	1	-0.02	ppb	43.25	0.02	-122.3	90 - 110	
52 Cr	72	1	0.03	ppb	39.92	0.02	131.2	90 - 110	
55 Mn	72	1	635.60	ppb	0.43	631.00	100.7	90 - 110	
59 Co	72	1	0.53	ppb	2.93	0.53	100.7	90 - 110	
60 Ni	72	1	0.48	ppb	3.43	0.41	115.5	90 - 110	
63 Cu	72	1	0.09	ppb	10.45	0.06	162.2	90 - 110	
66 Zn	72	1	6.17	ppb	1.52	5.71	108.1	90 - 110	
75 As	72	1	0.29	ppb	7.15	0.33	87.2	90 - 110	
78 Se	72	1	-0.14	ppb	138.48	-0.02	566.3	90 - 110	
95 Mo	72	1	0.14	ppb	8.87	0.14	97.0	90 - 110	
107 Ag	115	1	0.00	ppb	28.95	0.00	150.9	90 - 110	
111 Cd	115	1	0.01	ppb	190.85	0.00	175.0	90 - 110	
118 Sn	115	1	0.02	ppb	28.97	0.01	136.8	90 - 110	
121 Sb	115	1	0.02	ppb	13.00	0.02	136.0	90 - 110	
137 Ba	115	1	27.51	ppb	1.73	27.30	100.8	90 - 110	
205 Tl	165	1	0.01	ppb	29.99	0.01	69.9	90 - 110	
208 Pb	165	1	0.01	ppb	18.57	0.01	73.5	90 - 110	
232 Th	165	1	0.01	ppb	5.21	0.01	122.7	90 - 110	
238 U	165	1	3.19	ppb	1.47	3.29	97.1	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	414845	0.33	519530	79.9	30 - 120	
45 Sc	1	2251128	0.19	2751291	81.8	30 - 120	
72 Ge	1	1320147	0.74	1702933	77.5	30 - 120	
115 In	1	4390599	1.69	5506681	79.7	30 - 120	
165 Ho	1	9054121	0.78	10658309	84.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\178PDS.D\178PDS.D#
Date Acquired: Apr 3 2012 01:42 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-1-a PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 3408
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	203.20	0.02	ppb	1.24	200	101.6	75 - 125	
51 V	72	1	215.10	0.10	ppb	1.13	200	107.5	75 - 125	
52 Cr	72	1	201.50	0.12	ppb	0.09	200	100.7	75 - 125	
55 Mn	72	1	3311.00	3155.00	ppb	0.42	200	98.7	75 - 125	
59 Co	72	1	192.80	2.66	ppb	0.69	200	95.1	75 - 125	
60 Ni	72	1	179.20	2.06	ppb	1.23	200	88.7	75 - 125	
63 Cu	72	1	174.60	0.28	ppb	0.10	200	87.2	75 - 125	
66 Zn	72	1	205.50	28.54	ppb	0.37	200	89.9	75 - 125	
75 As	72	1	204.30	1.66	ppb	0.66	200	101.3	75 - 125	
78 Se	72	1	190.80	-0.12	ppb	0.82	200	95.5	75 - 125	
95 Mo	72	1	216.40	0.72	ppb	1.33	200	107.8	75 - 125	
107 Ag	115	1	41.38	0.01	ppb	0.94	50	82.7	75 - 125	
111 Cd	115	1	179.70	0.02	ppb	0.85	200	89.8	75 - 125	
118 Sn	115	1	190.50	0.06	ppb	0.68	200	95.2	75 - 125	
121 Sb	115	1	198.70	0.08	ppb	0.62	200	99.3	75 - 125	
137 Ba	115	1	341.00	136.50	ppb	1.02	200	101.3	75 - 125	
205 Tl	165	1	176.40	0.04	ppb	0.50	200	88.2	75 - 125	
208 Pb	165	1	170.60	0.06	ppb	0.65	200	85.3	75 - 125	
232 Th	165	1	0.01	0.05	ppb	6.94	200	0.0	75 - 125	
238 U	165	1	218.40	16.44	ppb	1.12	200	100.9	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	327189	1.36	519530	63.0	30 - 120	
45 Sc	1	1833542	0.38	2751291	66.6	30 - 120	
72 Ge	1	1021148	0.51	1702933	60.0	30 - 120	
115 In	1	3501808	0.19	5506681	63.6	30 - 120	
165 Ho	1	7556172	0.47	10658309	70.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\179_MS.D\179_MS.D#
Date Acquired: Apr 3 2012 01:45 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-1-b ms
Misc Info: MATRIX SPIKE
Vial Number: 3409
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	44.21	0.02	ppb	3.08	40	110.5	50 - 150	
51 V	72	1	46.99	0.10	ppb	0.72	40	117.2	50 - 150	
52 Cr	72	1	43.50	0.12	ppb	1.29	40	108.4	50 - 150	
55 Mn	72	1	3294.00	3155.00	ppb	0.88	40	103.1	50 - 150	
59 Co	72	1	45.01	2.66	ppb	1.27	40	105.5	50 - 150	
60 Ni	72	1	38.57	2.06	ppb	0.83	40	91.7	50 - 150	
63 Cu	72	1	37.11	0.28	ppb	0.78	40	92.1	50 - 150	
66 Zn	72	1	66.95	28.54	ppb	0.51	40	97.7	50 - 150	
75 As	72	1	44.92	1.66	ppb	1.03	40	107.8	50 - 150	
78 Se	72	1	42.27	-0.12	ppb	1.25	40	106.0	50 - 150	
95 Mo	72	1	46.96	0.72	ppb	0.98	40	115.3	50 - 150	
107 Ag	115	1	34.64	0.01	ppb	0.80	40	86.6	50 - 150	
111 Cd	115	1	37.59	0.02	ppb	1.15	40	93.9	50 - 150	
118 Sn	115	1	40.18	0.06	ppb	0.40	40	100.3	50 - 150	
121 Sb	115	1	41.68	0.08	ppb	0.67	40	104.0	50 - 150	
137 Ba	115	1	183.70	136.50	ppb	0.83	40	104.1	50 - 150	
205 Tl	165	1	38.69	0.04	ppb	0.98	40	96.6	50 - 150	
208 Pb	165	1	37.04	0.06	ppb	1.32	40	92.5	50 - 150	
232 Th	165	1	44.84	0.05	ppb	2.21	40	112.0	50 - 150	
238 U	165	1	60.74	16.44	ppb	1.57	40	107.6	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	322853	1.41	519530	62.1	30 - 120	
45 Sc	1	1788857	0.12	2751291	65.0	30 - 120	
72 Ge	1	1003073	0.60	1702933	58.9	30 - 120	
115 In	1	3460344	0.71	5506681	62.8	30 - 120	
165 Ho	1	7454863	0.98	10658309	69.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\180_MSD.D\180_MSD.D#
Date Acquired: Apr 3 2012 01:48 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-1-c msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3410
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\179_MS.D\179_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	43.66	ppb	1.72	44.21	1.25	20	
51 V	72	1	46.07	ppb	1.32	46.99	1.98	20	
52 Cr	72	1	42.89	ppb	1.15	43.50	1.41	20	
55 Mn	72	1	3233.00	ppb	1.22	3294.00	1.87	20	
59 Co	72	1	44.22	ppb	0.76	45.01	1.77	20	
60 Ni	72	1	38.45	ppb	1.28	38.57	0.31	20	
63 Cu	72	1	37.00	ppb	1.40	37.11	0.30	20	
66 Zn	72	1	65.69	ppb	1.60	66.95	1.90	20	
75 As	72	1	44.08	ppb	1.35	44.92	1.89	20	
78 Se	72	1	42.03	ppb	1.93	42.27	0.57	20	
95 Mo	72	1	45.96	ppb	1.94	46.96	2.15	20	
107 Ag	115	1	34.30	ppb	0.56	34.64	0.99	20	
111 Cd	115	1	37.16	ppb	0.79	37.59	1.15	20	
118 Sn	115	1	39.65	ppb	0.59	40.18	1.33	20	
121 Sb	115	1	41.44	ppb	0.62	41.68	0.58	20	
137 Ba	115	1	182.50	ppb	2.71	183.70	0.66	20	
205 Tl	165	1	38.57	ppb	1.02	38.69	0.31	20	
208 Pb	165	1	36.45	ppb	0.62	37.04	1.61	20	
232 Th	165	1	44.29	ppb	1.48	44.84	1.23	20	
238 U	165	1	60.50	ppb	0.95	60.74	0.40	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	319832	1.46	519530	61.6	30 - 120	
45 Sc	1	1812288	0.12	2751291	65.9	30 - 120	
72 Ge	1	1018717	1.36	1702933	59.8	30 - 120	
115 In	1	3486146	0.62	5506681	63.3	30 - 120	
165 Ho	1	7493006	0.62	10658309	70.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\181SMPL.D\181SMPL.D#
Date Acquired: Apr 3 2012 01:51 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-2-a
Misc Info:
Vial Number: 3411
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.06	0.06	ppb	18.96	3600	
51 V	72	1	1.22	1.22	ppb	3.54	3600	
52 Cr	72	1	1.10	1.10	ppb	2.92	3600	
55 Mn	72	1	6.59	6.59	ppb	9.32	18000	
59 Co	72	1	0.18	0.18	ppb	1.05	3600	
60 Ni	72	1	1.69	1.69	ppb	0.78	3600	
63 Cu	72	1	4.90	4.90	ppb	0.84	3600	
66 Zn	72	1	28.79	28.79	ppb	1.72	3600	
75 As	72	1	0.58	0.58	ppb	9.13	3600	
78 Se	72	1	1.21	1.21	ppb	11.40	3600	
95 Mo	72	1	2.76	2.76	ppb	2.76	3600	
107 Ag	115	1	0.02	0.02	ppb	36.35	3600	
111 Cd	115	1	0.01	0.01	ppb	64.66	3600	
118 Sn	115	1	0.06	0.06	ppb	25.81	3600	
121 Sb	115	1	0.25	0.25	ppb	7.00	3600	
137 Ba	115	1	122.30	122.30	ppb	0.94	3600	
205 Tl	165	1	0.03	0.03	ppb	29.13	3600	
208 Pb	165	1	0.08	0.08	ppb	15.01	3600	
232 Th	165	1	0.06	0.06	ppb	26.04	1000	
238 U	165	1	6.30	6.30	ppb	0.29	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	366945	0.37	519530	70.6	30 - 120	
45 Sc	1	2120825	0.96	2751291	77.1	30 - 120	
72 Ge	1	1307770	1.26	1702933	76.8	30 - 120	
115 In	1	4353280	0.44	5506681	79.1	30 - 120	
165 Ho	1	8765955	0.44	10658309	82.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\182SMPL.D\182SMPL.D#
Date Acquired: Apr 3 2012 01:54 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-3-a
Misc Info:
Vial Number: 3412
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	123.60	3600	
51 V	72	1	0.11	0.11	ppb	92.86	3600	
52 Cr	72	1	0.15	0.15	ppb	8.44	3600	
55 Mn	72	1	3,086.00	3086.00	ppb	1.39	18000	
59 Co	72	1	6.14	6.14	ppb	1.36	3600	
60 Ni	72	1	3.60	3.60	ppb	3.59	3600	
63 Cu	72	1	0.29	0.29	ppb	3.01	3600	
66 Zn	72	1	34.05	34.05	ppb	1.95	3600	
75 As	72	1	1.43	1.43	ppb	4.04	3600	
78 Se	72	1	0.09	0.09	ppb	385.02	3600	
95 Mo	72	1	1.01	1.01	ppb	6.15	3600	
107 Ag	115	1	0.01	0.01	ppb	30.98	3600	
111 Cd	115	1	0.14	0.14	ppb	14.00	3600	
118 Sn	115	1	0.08	0.08	ppb	13.55	3600	
121 Sb	115	1	0.04	0.04	ppb	10.16	3600	
137 Ba	115	1	140.30	140.30	ppb	0.45	3600	
205 Tl	165	1	0.06	0.06	ppb	2.68	3600	
208 Pb	165	1	0.06	0.06	ppb	6.29	3600	
232 Th	165	1	0.01	0.01	ppb	13.44	1000	
238 U	165	1	17.34	17.34	ppb	0.92	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	302975	0.55	519530	58.3	30 - 120	
45 Sc	1	1760641	1.75	2751291	64.0	30 - 120	
72 Ge	1	963803	1.11	1702933	56.6	30 - 120	
115 In	1	3327297	0.95	5506681	60.4	30 - 120	
165 Ho	1	7148276	0.34	10658309	67.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\183SMPL.D\183SMPL.D#
Date Acquired: Apr 3 2012 01:57 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-4-a
Misc Info:
Vial Number: 3501
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	122.68	3600	
51 V	72	1	0.15	0.15	ppb	52.92	3600	
52 Cr	72	1	0.11	0.11	ppb	5.79	3600	
55 Mn	72	1	1,175.00	1175.00	ppb	1.51	18000	
59 Co	72	1	3.89	3.89	ppb	1.47	3600	
60 Ni	72	1	1.96	1.96	ppb	3.00	3600	
63 Cu	72	1	0.64	0.64	ppb	3.42	3600	
66 Zn	72	1	26.06	26.06	ppb	2.94	3600	
75 As	72	1	7.30	7.30	ppb	0.88	3600	
78 Se	72	1	-0.03	-0.03	ppb	651.54	3600	
95 Mo	72	1	2.14	2.14	ppb	3.62	3600	
107 Ag	115	1	0.00	0.00	ppb	47.11	3600	
111 Cd	115	1	0.04	0.04	ppb	20.31	3600	
118 Sn	115	1	0.03	0.03	ppb	13.06	3600	
121 Sb	115	1	0.03	0.03	ppb	9.43	3600	
137 Ba	115	1	148.10	148.10	ppb	0.14	3600	
205 Tl	165	1	0.03	0.03	ppb	2.63	3600	
208 Pb	165	1	0.02	0.02	ppb	15.47	3600	
232 Th	165	1	0.01	0.01	ppb	19.68	1000	
238 U	165	1	11.63	11.63	ppb	0.31	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	306451	0.95	519530	59.0	30 - 120	
45 Sc	1	1828238	1.19	2751291	66.5	30 - 120	
72 Ge	1	1025651	0.29	1702933	60.2	30 - 120	
115 In	1	3458044	0.65	5506681	62.8	30 - 120	
165 Ho	1	7372196	0.25	10658309	69.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\184_CCV.D\184_CCV.D#
Date Acquired: Apr 3 2012 02:00 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	54.89	ppb	2.37	50	109.8	90 - 110	
51 V	72	1	52.22	ppb	2.86	50	104.4	90 - 110	
52 Cr	72	1	51.14	ppb	1.51	50	102.3	90 - 110	
55 Mn	72	1	51.38	ppb	3.36	50	102.8	90 - 110	
59 Co	72	1	51.95	ppb	0.94	50	103.9	90 - 110	
60 Ni	72	1	48.33	ppb	1.65	50	96.7	90 - 110	
63 Cu	72	1	51.45	ppb	1.12	50	102.9	90 - 110	
66 Zn	72	1	50.00	ppb	1.57	50	100.0	90 - 110	
75 As	72	1	51.17	ppb	1.35	50	102.3	90 - 110	
78 Se	72	1	51.65	ppb	3.42	50	103.3	90 - 110	
95 Mo	72	1	49.70	ppb	0.73	50	99.4	90 - 110	
107 Ag	115	1	51.18	ppb	1.82	50	102.4	90 - 110	
111 Cd	115	1	49.33	ppb	0.96	50	98.7	90 - 110	
118 Sn	115	1	48.75	ppb	1.01	50	97.5	90 - 110	
121 Sb	115	1	49.62	ppb	0.98	50	99.2	90 - 110	
137 Ba	115	1	50.62	ppb	1.06	50	101.2	90 - 110	
205 Tl	165	1	51.25	ppb	1.47	50	102.5	90 - 110	
208 Pb	165	1	51.43	ppb	1.01	50	102.9	90 - 110	
232 Th	165	1	51.03	ppb	2.48	50	102.1	90 - 110	
238 U	165	1	50.90	ppb	1.72	50	101.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	338530	1.53	519530	65.2	30 - 120	
45 Sc	1	2166298	0.61	2751291	78.7	30 - 120	
72 Ge	1	1342114	1.30	1702933	78.8	30 - 120	
115 In	1	4558794	1.04	5506681	82.8	30 - 120	
165 Ho	1	8886035	0.49	10658309	83.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\185_CCB.D\185_CCB.D#
Date Acquired: Apr 3 2012 02:03 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.009	ppb	127.08	1.00	
51 V	72	1	0.007	ppb	140.48	1.00	
52 Cr	72	1	0.010	ppb	22.88	1.00	
55 Mn	72	1	0.199	ppb	11.53	1.00	
59 Co	72	1	0.005	ppb	35.93	1.00	
60 Ni	72	1	0.003	ppb	128.43	1.00	
63 Cu	72	1	0.026	ppb	22.69	1.00	
66 Zn	72	1	0.099	ppb	7.20	1.00	
75 As	72	1	0.011	ppb	24.78	1.00	
78 Se	72	1	0.208	ppb	149.45	1.00	
95 Mo	72	1	-0.009	ppb	117.29	1.00	
107 Ag	115	1	0.012	ppb	17.12	1.00	
111 Cd	115	1	0.006	ppb	79.86	1.00	
118 Sn	115	1	0.036	ppb	36.95	1.00	
121 Sb	115	1	0.040	ppb	10.50	1.00	
137 Ba	115	1	0.003	ppb	166.03	1.00	
205 Tl	165	1	0.017	ppb	10.45	1.00	
208 Pb	165	1	0.002	ppb	140.86	1.00	
232 Th	165	1	0.042	ppb	11.92	1.00	
238 U	165	1	0.007	ppb	12.25	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	334640	0.81	519530	64.4	30 - 120	
45 Sc	1	2165386	0.89	2751291	78.7	30 - 120	
72 Ge	1	1348449	0.16	1702933	79.2	30 - 120	
115 In	1	4539714	0.24	5506681	82.4	30 - 120	
165 Ho	1	8811064	0.33	10658309	82.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\186SMPL.D\186SMPL.D#
Date Acquired: Apr 3 2012 02:06 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-5-a
Misc Info:
Vial Number: 3502
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	439.38	3600	
51 V	72	1	1.39	1.39	ppb	0.92	3600	
52 Cr	72	1	0.64	0.64	ppb	0.51	3600	
55 Mn	72	1	2.82	2.82	ppb	2.15	18000	
59 Co	72	1	0.12	0.12	ppb	4.84	3600	
60 Ni	72	1	0.64	0.64	ppb	2.55	3600	
63 Cu	72	1	2.75	2.75	ppb	1.93	3600	
66 Zn	72	1	18.82	18.82	ppb	1.68	3600	
75 As	72	1	0.80	0.80	ppb	2.70	3600	
78 Se	72	1	0.60	0.60	ppb	4.56	3600	
95 Mo	72	1	10.78	10.78	ppb	0.88	3600	
107 Ag	115	1	0.01	0.01	ppb	11.02	3600	
111 Cd	115	1	0.00	0.00	ppb	2568.70	3600	
118 Sn	115	1	0.04	0.04	ppb	2.46	3600	
121 Sb	115	1	0.55	0.55	ppb	3.36	3600	
137 Ba	115	1	169.60	169.60	ppb	1.49	3600	
205 Tl	165	1	0.02	0.02	ppb	27.20	3600	
208 Pb	165	1	0.02	0.02	ppb	19.59	3600	
232 Th	165	1	0.02	0.02	ppb	24.45	1000	
238 U	165	1	4.14	4.14	ppb	0.54	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	315121	0.85	519530	60.7	30 - 120	
45 Sc	1	1997300	1.43	2751291	72.6	30 - 120	
72 Ge	1	1218705	1.57	1702933	71.6	30 - 120	
115 In	1	4101239	0.77	5506681	74.5	30 - 120	
165 Ho	1	8201264	0.77	10658309	76.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\187SMPL.D\187SMPL.D#
Date Acquired: Apr 3 2012 02:08 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-6-a
Misc Info:
Vial Number: 3503
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	37.94	3600	
51 V	72	1	-0.01	-0.01	ppb	326.00	3600	
52 Cr	72	1	0.11	0.11	ppb	4.11	3600	
55 Mn	72	1	2,366.00	2366.00	ppb	0.41	18000	
59 Co	72	1	3.55	3.55	ppb	0.81	3600	
60 Ni	72	1	3.46	3.46	ppb	3.14	3600	
63 Cu	72	1	0.34	0.34	ppb	5.43	3600	
66 Zn	72	1	24.93	24.93	ppb	0.61	3600	
75 As	72	1	1.51	1.51	ppb	4.22	3600	
78 Se	72	1	0.54	0.54	ppb	49.50	3600	
95 Mo	72	1	0.30	0.30	ppb	2.06	3600	
107 Ag	115	1	0.01	0.01	ppb	35.41	3600	
111 Cd	115	1	0.07	0.07	ppb	18.60	3600	
118 Sn	115	1	0.06	0.06	ppb	30.59	3600	
121 Sb	115	1	0.04	0.04	ppb	4.76	3600	
137 Ba	115	1	43.19	43.19	ppb	0.30	3600	
205 Tl	165	1	0.03	0.03	ppb	12.97	3600	
208 Pb	165	1	0.05	0.05	ppb	18.28	3600	
232 Th	165	1	0.01	0.01	ppb	10.84	1000	
238 U	165	1	39.30	39.30	ppb	0.90	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	270086	0.93	519530	52.0	30 - 120	
45 Sc	1	1719145	2.17	2751291	62.5	30 - 120	
72 Ge	1	908758	1.78	1702933	53.4	30 - 120	
115 In	1	3154514	1.88	5506681	57.3	30 - 120	
165 Ho	1	6698505	1.49	10658309	62.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\188SMPL.D\188SMPL.D#
Date Acquired: Apr 3 2012 02:11 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-7-a
Misc Info:
Vial Number: 3504
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	78.46	3600	
51 V	72	1	0.39	0.39	ppb	6.43	3600	
52 Cr	72	1	0.15	0.15	ppb	3.13	3600	
55 Mn	72	1	1,612.00	1612.00	ppb	1.15	18000	
59 Co	72	1	1.48	1.48	ppb	1.21	3600	
60 Ni	72	1	1.74	1.74	ppb	2.92	3600	
63 Cu	72	1	0.37	0.37	ppb	2.24	3600	
66 Zn	72	1	22.35	22.35	ppb	0.91	3600	
75 As	72	1	1.80	1.80	ppb	3.89	3600	
78 Se	72	1	0.37	0.37	ppb	84.35	3600	
95 Mo	72	1	1.61	1.61	ppb	1.99	3600	
107 Ag	115	1	0.00	0.00	ppb	37.52	3600	
111 Cd	115	1	0.02	0.02	ppb	10.16	3600	
118 Sn	115	1	0.03	0.03	ppb	25.82	3600	
121 Sb	115	1	0.03	0.03	ppb	7.35	3600	
137 Ba	115	1	89.45	89.45	ppb	0.60	3600	
205 Tl	165	1	0.01	0.01	ppb	1.58	3600	
208 Pb	165	1	0.05	0.05	ppb	3.97	3600	
232 Th	165	1	0.00	0.00	ppb	14.24	1000	
238 U	165	1	36.33	36.33	ppb	0.48	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	295034	0.34	519530	56.8	30 - 120	
45 Sc	1	1928364	1.39	2751291	70.1	30 - 120	
72 Ge	1	1083693	1.09	1702933	63.6	30 - 120	
115 In	1	3609965	1.57	5506681	65.6	30 - 120	
165 Ho	1	7421829	0.84	10658309	69.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\189SMPL.D\189SMPL.D#
Date Acquired: Apr 3 2012 02:14 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-8-a
Misc Info:
Vial Number: 3505
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	120.19	3600	
51 V	72	1	0.40	0.40	ppb	11.54	3600	
52 Cr	72	1	0.49	0.49	ppb	3.66	3600	
55 Mn	72	1	1,641.00	1641.00	ppb	1.34	18000	
59 Co	72	1	1.56	1.56	ppb	1.38	3600	
60 Ni	72	1	1.86	1.86	ppb	2.36	3600	
63 Cu	72	1	0.57	0.57	ppb	3.74	3600	
66 Zn	72	1	15.56	15.56	ppb	1.38	3600	
75 As	72	1	1.93	1.93	ppb	0.67	3600	
78 Se	72	1	0.16	0.16	ppb	123.43	3600	
95 Mo	72	1	1.70	1.70	ppb	3.60	3600	
107 Ag	115	1	0.00	0.00	ppb	28.93	3600	
111 Cd	115	1	-0.01	-0.01	ppb	123.08	3600	
118 Sn	115	1	0.04	0.04	ppb	11.45	3600	
121 Sb	115	1	0.03	0.03	ppb	10.03	3600	
137 Ba	115	1	75.48	75.48	ppb	0.46	3600	
205 Tl	165	1	0.01	0.01	ppb	18.18	3600	
208 Pb	165	1	0.08	0.08	ppb	2.55	3600	
232 Th	165	1	0.00	0.00	ppb	17.49	1000	
238 U	165	1	35.98	35.98	ppb	1.28	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	291225	0.18	519530	56.1	30 - 120	
45 Sc	1	1953575	1.46	2751291	71.0	30 - 120	
72 Ge	1	1098511	2.31	1702933	64.5	30 - 120	
115 In	1	3618707	1.32	5506681	65.7	30 - 120	
165 Ho	1	7409186	0.52	10658309	69.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\190SMPL.D\190SMPL.D#
Date Acquired: Apr 3 2012 02:17 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-11-a
Misc Info:
Vial Number: 3506
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	95.41	3600	
51 V	72	1	1.13	1.13	ppb	4.13	3600	
52 Cr	72	1	0.07	0.07	ppb	3.10	3600	
55 Mn	72	1	1,907.00	1907.00	ppb	0.79	18000	
59 Co	72	1	2.74	2.74	ppb	1.88	3600	
60 Ni	72	1	4.29	4.29	ppb	1.01	3600	
63 Cu	72	1	0.30	0.30	ppb	4.38	3600	
66 Zn	72	1	18.45	18.45	ppb	0.48	3600	
75 As	72	1	4.50	4.50	ppb	2.71	3600	
78 Se	72	1	0.59	0.59	ppb	16.77	3600	
95 Mo	72	1	1.45	1.45	ppb	3.49	3600	
107 Ag	115	1	0.00	0.00	ppb	39.93	3600	
111 Cd	115	1	0.04	0.04	ppb	52.64	3600	
118 Sn	115	1	0.02	0.02	ppb	23.10	3600	
121 Sb	115	1	0.06	0.06	ppb	9.21	3600	
137 Ba	115	1	100.40	100.40	ppb	0.70	3600	
205 Tl	165	1	0.02	0.02	ppb	11.01	3600	
208 Pb	165	1	0.07	0.07	ppb	2.35	3600	
232 Th	165	1	0.00	0.00	ppb	36.73	1000	
238 U	165	1	19.11	19.11	ppb	1.11	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	290170	0.48	519530	55.9	30 - 120	
45 Sc	1	1996142	1.51	2751291	72.6	30 - 120	
72 Ge	1	1132716	2.30	1702933	66.5	30 - 120	
115 In	1	3748905	0.58	5506681	68.1	30 - 120	
165 Ho	1	7532645	0.37	10658309	70.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\191SMPL.D\191SMPL.D#
Date Acquired: Apr 3 2012 02:20 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-12-a
Misc Info:
Vial Number: 3507
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.05	0.05	ppb	94.51	3600	
51 V	72	1	0.29	0.29	ppb	5.17	3600	
52 Cr	72	1	0.21	0.21	ppb	5.59	3600	
55 Mn	72	1	489.60	489.60	ppb	2.43	18000	
59 Co	72	1	0.63	0.63	ppb	1.46	3600	
60 Ni	72	1	0.87	0.87	ppb	9.69	3600	
63 Cu	72	1	0.30	0.30	ppb	3.14	3600	
66 Zn	72	1	23.86	23.86	ppb	1.56	3600	
75 As	72	1	1.32	1.32	ppb	2.37	3600	
78 Se	72	1	0.61	0.61	ppb	11.37	3600	
95 Mo	72	1	0.83	0.83	ppb	7.86	3600	
107 Ag	115	1	0.00	0.00	ppb	63.69	3600	
111 Cd	115	1	-0.01	-0.01	ppb	9.72	3600	
118 Sn	115	1	0.02	0.02	ppb	40.24	3600	
121 Sb	115	1	0.02	0.02	ppb	10.14	3600	
137 Ba	115	1	105.90	105.90	ppb	0.83	3600	
205 Tl	165	1	0.00	0.00	ppb	7.78	3600	
208 Pb	165	1	0.02	0.02	ppb	6.26	3600	
232 Th	165	1	0.00	0.00	ppb	20.89	1000	
238 U	165	1	14.95	14.95	ppb	1.25	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	277116	1.43	519530	53.3	30 - 120	
45 Sc	1	1965941	0.94	2751291	71.5	30 - 120	
72 Ge	1	1126566	1.93	1702933	66.2	30 - 120	
115 In	1	3733374	0.36	5506681	67.8	30 - 120	
165 Ho	1	7446655	0.55	10658309	69.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\192SMPL.D\192SMPL.D#
Date Acquired: Apr 3 2012 02:23 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-13-a
Misc Info:
Vial Number: 3508
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	121.94	3600	
51 V	72	1	0.71	0.71	ppb	6.84	3600	
52 Cr	72	1	0.09	0.09	ppb	8.08	3600	
55 Mn	72	1	2,177.00	2177.00	ppb	1.45	18000	
59 Co	72	1	2.08	2.08	ppb	0.28	3600	
60 Ni	72	1	8.16	8.16	ppb	3.25	3600	
63 Cu	72	1	0.33	0.33	ppb	5.01	3600	
66 Zn	72	1	15.98	15.98	ppb	0.14	3600	
75 As	72	1	2.10	2.10	ppb	2.88	3600	
78 Se	72	1	0.75	0.75	ppb	7.62	3600	
95 Mo	72	1	0.97	0.97	ppb	1.25	3600	
107 Ag	115	1	0.00	0.00	ppb	37.49	3600	
111 Cd	115	1	0.09	0.09	ppb	13.94	3600	
118 Sn	115	1	0.03	0.03	ppb	15.23	3600	
121 Sb	115	1	0.03	0.03	ppb	2.93	3600	
137 Ba	115	1	86.64	86.64	ppb	0.49	3600	
205 Tl	165	1	0.00	0.00	ppb	22.21	3600	
208 Pb	165	1	0.01	0.01	ppb	37.14	3600	
232 Th	165	1	0.00	0.00	ppb	189.79	1000	
238 U	165	1	18.44	18.44	ppb	0.62	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	273936	1.32	519530	52.7	30 - 120	
45 Sc	1	1943876	2.15	2751291	70.7	30 - 120	
72 Ge	1	1084328	2.39	1702933	63.7	30 - 120	
115 In	1	3584720	1.49	5506681	65.1	30 - 120	
165 Ho	1	7180298	1.31	10658309	67.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\193SMPL.D\193SMPL.D#
Date Acquired: Apr 3 2012 02:26 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-14-a
Misc Info:
Vial Number: 3509
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	115.34	3600	
51 V	72	1	0.82	0.82	ppb	4.92	3600	
52 Cr	72	1	0.09	0.09	ppb	6.74	3600	
55 Mn	72	1	643.00	643.00	ppb	0.14	18000	
59 Co	72	1	0.82	0.82	ppb	2.19	3600	
60 Ni	72	1	2.28	2.28	ppb	3.31	3600	
63 Cu	72	1	0.47	0.47	ppb	3.24	3600	
66 Zn	72	1	24.08	24.08	ppb	0.82	3600	
75 As	72	1	4.99	4.99	ppb	1.64	3600	
78 Se	72	1	0.78	0.78	ppb	38.68	3600	
95 Mo	72	1	5.45	5.45	ppb	0.78	3600	
107 Ag	115	1	0.00	0.00	ppb	55.94	3600	
111 Cd	115	1	0.00	0.00	ppb	1253.60	3600	
118 Sn	115	1	0.01	0.01	ppb	77.41	3600	
121 Sb	115	1	0.07	0.07	ppb	8.30	3600	
137 Ba	115	1	73.09	73.09	ppb	0.49	3600	
205 Tl	165	1	0.01	0.01	ppb	8.13	3600	
208 Pb	165	1	0.01	0.01	ppb	19.28	3600	
232 Th	165	1	0.00	0.00	ppb	14.50	1000	
238 U	165	1	17.98	17.98	ppb	0.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	262807	1.68	519530	50.6	30 - 120	
45 Sc	1	1868412	0.78	2751291	67.9	30 - 120	
72 Ge	1	1065643	0.47	1702933	62.6	30 - 120	
115 In	1	3516845	0.62	5506681	63.9	30 - 120	
165 Ho	1	7017928	0.82	10658309	65.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\194SMPL.D\194SMPL.D#
Date Acquired: Apr 3 2012 02:29 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-15-a
Misc Info:
Vial Number: 3510
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	139.44	3600	
51 V	72	1	0.38	0.38	ppb	3.27	3600	
52 Cr	72	1	0.18	0.18	ppb	10.04	3600	
55 Mn	72	1	2,521.00	2521.00	ppb	0.55	18000	
59 Co	72	1	3.44	3.44	ppb	1.47	3600	
60 Ni	72	1	19.98	19.98	ppb	0.60	3600	
63 Cu	72	1	0.46	0.46	ppb	3.76	3600	
66 Zn	72	1	16.75	16.75	ppb	0.64	3600	
75 As	72	1	3.22	3.22	ppb	1.78	3600	
78 Se	72	1	1.03	1.03	ppb	33.53	3600	
95 Mo	72	1	1.44	1.44	ppb	3.11	3600	
107 Ag	115	1	0.00	0.00	ppb	66.21	3600	
111 Cd	115	1	-0.01	-0.01	ppb	284.42	3600	
118 Sn	115	1	0.07	0.07	ppb	7.10	3600	
121 Sb	115	1	0.04	0.04	ppb	9.82	3600	
137 Ba	115	1	65.35	65.35	ppb	0.78	3600	
205 Tl	165	1	0.00	0.00	ppb	44.96	3600	
208 Pb	165	1	0.03	0.03	ppb	1.89	3600	
232 Th	165	1	0.00	0.00	ppb	330.50	1000	
238 U	165	1	23.23	23.23	ppb	0.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	265206	1.56	519530	51.0	30 - 120	
45 Sc	1	1860045	2.80	2751291	67.6	30 - 120	
72 Ge	1	992909	2.82	1702933	58.3	30 - 120	
115 In	1	3326580	2.82	5506681	60.4	30 - 120	
165 Ho	1	6653845	1.24	10658309	62.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\195SMPL.D\195SMPL.D#
Date Acquired: Apr 3 2012 02:32 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-16-a
Misc Info:
Vial Number: 3511
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	120.07	3600	
51 V	72	1	0.01	0.01	ppb	99.03	3600	
52 Cr	72	1	0.15	0.15	ppb	5.43	3600	
55 Mn	72	1	4,381.00	4381.00	ppb	1.17	18000	
59 Co	72	1	4.34	4.34	ppb	1.05	3600	
60 Ni	72	1	21.76	21.76	ppb	0.32	3600	
63 Cu	72	1	0.30	0.30	ppb	5.22	3600	
66 Zn	72	1	31.99	31.99	ppb	1.28	3600	
75 As	72	1	6.17	6.17	ppb	0.81	3600	
78 Se	72	1	0.71	0.71	ppb	44.86	3600	
95 Mo	72	1	1.80	1.80	ppb	5.38	3600	
107 Ag	115	1	0.00	0.00	ppb	28.84	3600	
111 Cd	115	1	-0.01	-0.01	ppb	81.60	3600	
118 Sn	115	1	0.04	0.04	ppb	21.73	3600	
121 Sb	115	1	0.04	0.04	ppb	20.14	3600	
137 Ba	115	1	66.19	66.19	ppb	0.54	3600	
205 Tl	165	1	0.00	0.00	ppb	11.20	3600	
208 Pb	165	1	0.02	0.02	ppb	11.48	3600	
232 Th	165	1	0.00	0.00	ppb	185.40	1000	
238 U	165	1	14.55	14.55	ppb	0.16	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	291666	0.26	519530	56.1	30 - 120	
45 Sc	1	1987901	2.47	2751291	72.3	30 - 120	
72 Ge	1	1091807	2.08	1702933	64.1	30 - 120	
115 In	1	3567399	1.74	5506681	64.8	30 - 120	
165 Ho	1	7084805	1.09	10658309	66.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\196_CCV.D\196_CCV.D#
Date Acquired: Apr 3 2012 02:35 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	53.88	ppb	2.48	50	107.8	90 - 110	
51 V	72	1	51.82	ppb	1.75	50	103.6	90 - 110	
52 Cr	72	1	50.94	ppb	1.66	50	101.9	90 - 110	
55 Mn	72	1	51.65	ppb	2.54	50	103.3	90 - 110	
59 Co	72	1	51.73	ppb	1.90	50	103.5	90 - 110	
60 Ni	72	1	48.58	ppb	2.21	50	97.2	90 - 110	
63 Cu	72	1	51.35	ppb	2.26	50	102.7	90 - 110	
66 Zn	72	1	48.98	ppb	1.06	50	98.0	90 - 110	
75 As	72	1	51.59	ppb	1.54	50	103.2	90 - 110	
78 Se	72	1	50.61	ppb	2.89	50	101.2	90 - 110	
95 Mo	72	1	49.01	ppb	2.08	50	98.0	90 - 110	
107 Ag	115	1	50.58	ppb	1.68	50	101.2	90 - 110	
111 Cd	115	1	48.81	ppb	0.70	50	97.6	90 - 110	
118 Sn	115	1	48.84	ppb	0.28	50	97.7	90 - 110	
121 Sb	115	1	49.28	ppb	0.08	50	98.6	90 - 110	
137 Ba	115	1	51.10	ppb	0.27	50	102.2	90 - 110	
205 Tl	165	1	50.51	ppb	0.83	50	101.0	90 - 110	
208 Pb	165	1	50.04	ppb	0.98	50	100.1	90 - 110	
232 Th	165	1	49.29	ppb	1.25	50	98.6	90 - 110	
238 U	165	1	49.11	ppb	0.26	50	98.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	288160	0.50	519530	55.5	30 - 120	
45 Sc	1	2050284	0.77	2751291	74.5	30 - 120	
72 Ge	1	1284681	1.45	1702933	75.4	30 - 120	
115 In	1	4260839	0.51	5506681	77.4	30 - 120	
165 Ho	1	7936478	0.61	10658309	74.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\197_CCB.D\197_CCB.D#
Date Acquired: Apr 3 2012 02:38 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.004	ppb	366.85	1.00	
51 V	72	1	0.000	ppb	7070.20	1.00	
52 Cr	72	1	0.009	ppb	157.81	1.00	
55 Mn	72	1	0.312	ppb	5.34	1.00	
59 Co	72	1	0.003	ppb	68.82	1.00	
60 Ni	72	1	0.012	ppb	86.67	1.00	
63 Cu	72	1	0.059	ppb	5.49	1.00	
66 Zn	72	1	0.086	ppb	13.88	1.00	
75 As	72	1	0.024	ppb	31.28	1.00	
78 Se	72	1	0.555	ppb	51.96	1.00	
95 Mo	72	1	-0.016	ppb	54.37	1.00	
107 Ag	115	1	0.012	ppb	11.89	1.00	
111 Cd	115	1	0.005	ppb	80.64	1.00	
118 Sn	115	1	0.022	ppb	13.60	1.00	
121 Sb	115	1	0.036	ppb	10.50	1.00	
137 Ba	115	1	-0.006	ppb	49.98	1.00	
205 Tl	165	1	0.016	ppb	13.83	1.00	
208 Pb	165	1	0.000	ppb	1343.80	1.00	
232 Th	165	1	0.039	ppb	14.05	1.00	
238 U	165	1	0.007	ppb	10.54	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	275340	0.83	519530	53.0	30 - 120	
45 Sc	1	1997908	0.49	2751291	72.6	30 - 120	
72 Ge	1	1248396	0.22	1702933	73.3	30 - 120	
115 In	1	4146468	0.77	5506681	75.3	30 - 120	
165 Ho	1	7655976	0.34	10658309	71.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\198WASH.D\198WASH.D#
Date Acquired: Apr 3 2012 02:40 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.002 ppb	490.20	1.30	
51 V	72	1	0.003 ppb	1395.00	6.50	
52 Cr	72	1	1.298 ppb	1.31	2.60	
55 Mn	72	1	0.891 ppb	2.85	1.30	
59 Co	72	1	0.071 ppb	3.60	1.30	
60 Ni	72	1	1.058 ppb	4.43	2.60	
63 Cu	72	1	0.518 ppb	5.26	2.60	
66 Zn	72	1	3.349 ppb	1.43	13.00	
75 As	72	1	0.560 ppb	1.35	6.50	
78 Se	72	1	0.714 ppb	36.29	6.50	
95 Mo	72	1	2062.000 ppb	0.77	2.60	
107 Ag	115	1	0.062 ppb	1.47	6.50	
111 Cd	115	1	0.685 ppb	10.26	1.30	
118 Sn	115	1	0.149 ppb	9.43	13.00	
121 Sb	115	1	0.293 ppb	3.39	2.60	
137 Ba	115	1	0.197 ppb	8.09	1.30	
205 Tl	165	1	0.022 ppb	23.83	1.30	
208 Pb	165	1	0.137 ppb	1.74	1.30	
232 Th	165	1	0.035 ppb	5.68	2.60	
238 U	165	1	0.005 ppb	9.56	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	334785	3.46	519530	64.4	30 - 120	
45 Sc	1	2102479	3.26	2751291	76.4	30 - 120	
72 Ge	1	1241579	2.65	1702933	72.9	30 - 120	
115 In	1	4028647	2.06	5506681	73.2	30 - 120	
165 Ho	1	7651614	2.28	10658309	71.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\199WASH.D\199WASH.D#
Date Acquired: Apr 3 2012 02:43 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.004 ppb	0.00	1.30	
51 V	72	1	-0.024 ppb	82.85	6.50	
52 Cr	72	1	0.007 ppb	37.08	2.60	
55 Mn	72	1	0.069 ppb	13.47	1.30	
59 Co	72	1	-0.002 ppb	53.84	1.30	
60 Ni	72	1	-0.001 ppb	485.63	2.60	
63 Cu	72	1	0.084 ppb	7.05	2.60	
66 Zn	72	1	0.048 ppb	45.59	13.00	
75 As	72	1	0.012 ppb	35.78	6.50	
78 Se	72	1	0.819 ppb	5.14	6.50	
95 Mo	72	1	0.351 ppb	16.63	2.60	
107 Ag	115	1	0.000 ppb	54.05	6.50	
111 Cd	115	1	-0.035 ppb	7.67	1.30	
118 Sn	115	1	-0.002 ppb	288.45	13.00	
121 Sb	115	1	0.003 ppb	59.53	2.60	
137 Ba	115	1	-0.021 ppb	20.53	1.30	
205 Tl	165	1	0.000 ppb	187.80	1.30	
208 Pb	165	1	-0.009 ppb	16.13	1.30	
232 Th	165	1	0.001 ppb	72.46	2.60	
238 U	165	1	0.000 ppb	99.29	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	328479	1.26	519530	63.2	30 - 120	
45 Sc	1	2105822	1.63	2751291	76.5	30 - 120	
72 Ge	1	1305049	0.14	1702933	76.6	30 - 120	
115 In	1	4307013	0.96	5506681	78.2	30 - 120	
165 Ho	1	7993520	0.37	10658309	75.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\200WASH.D\200WASH.D#
Date Acquired: Apr 3 2012 02:46 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.003 ppb	421.21	1.30	
51 V	72	1	-0.010 ppb	73.30	6.50	
52 Cr	72	1	-0.001 ppb	645.47	2.60	
55 Mn	72	1	0.047 ppb	9.64	1.30	
59 Co	72	1	-0.001 ppb	92.42	1.30	
60 Ni	72	1	-0.002 ppb	132.59	2.60	
63 Cu	72	1	0.106 ppb	15.71	2.60	
66 Zn	72	1	0.044 ppb	38.12	13.00	
75 As	72	1	0.005 ppb	140.77	6.50	
78 Se	72	1	0.661 ppb	41.88	6.50	
95 Mo	72	1	0.082 ppb	5.46	2.60	
107 Ag	115	1	0.001 ppb	125.09	6.50	
111 Cd	115	1	-0.039 ppb	8.46	1.30	
118 Sn	115	1	0.003 ppb	137.83	13.00	
121 Sb	115	1	0.001 ppb	87.07	2.60	
137 Ba	115	1	-0.025 ppb	13.40	1.30	
205 Tl	165	1	0.000 ppb	78.19	1.30	
208 Pb	165	1	-0.009 ppb	13.76	1.30	
232 Th	165	1	0.000 ppb	3582.20	2.60	
238 U	165	1	-0.001 ppb	75.96	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	306933	0.78	519530	59.1	30 - 120	
45 Sc	1	2034507	1.18	2751291	73.9	30 - 120	
72 Ge	1	1253759	0.84	1702933	73.6	30 - 120	
115 In	1	4166681	0.76	5506681	75.7	30 - 120	
165 Ho	1	7756040	0.87	10658309	72.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\201WASH.D\201WASH.D#
Date Acquired: Apr 3 2012 02:49 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.004 ppb	0.00	1.30	
51 V	72	1	-0.008 ppb	141.97	6.50	
52 Cr	72	1	0.015 ppb	42.27	2.60	
55 Mn	72	1	0.037 ppb	0.95	1.30	
59 Co	72	1	-0.001 ppb	215.11	1.30	
60 Ni	72	1	-0.001 ppb	307.40	2.60	
63 Cu	72	1	0.080 ppb	18.32	2.60	
66 Zn	72	1	0.053 ppb	25.14	13.00	
75 As	72	1	0.007 ppb	74.01	6.50	
78 Se	72	1	0.839 ppb	53.11	6.50	
95 Mo	72	1	0.031 ppb	28.33	2.60	
107 Ag	115	1	0.001 ppb	84.79	6.50	
111 Cd	115	1	-0.034 ppb	17.81	1.30	
118 Sn	115	1	-0.003 ppb	333.82	13.00	
121 Sb	115	1	0.000 ppb	6908.10	2.60	
137 Ba	115	1	-0.021 ppb	17.51	1.30	
205 Tl	165	1	0.000 ppb	109.29	1.30	
208 Pb	165	1	-0.009 ppb	7.21	1.30	
232 Th	165	1	-0.001 ppb	52.57	2.60	
238 U	165	1	-0.001 ppb	49.23	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	309098	0.82	519530	59.5	30 - 120	
45 Sc	1	2057130	1.31	2751291	74.8	30 - 120	
72 Ge	1	1268185	0.70	1702933	74.5	30 - 120	
115 In	1	4200778	1.11	5506681	76.3	30 - 120	
165 Ho	1	7780336	0.31	10658309	73.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\202CAL
Date Acquired: Apr 3 2012 02:52 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	141	39.67
52	Cr	72	1	2047	6.15
55	Mn	72	1	1590	8.03
59	Co	72	1	127	19.87
60	Ni	72	1	140	18.90
63	Cu	72	1	2747	3.38
66	Zn	72	1	549	2.01
75	As	72	1	119	15.12
78	Se	72	1	690	17.64
95	Mo	72	1	390	19.36
107	Ag	115	1	70	37.80
111	Cd	115	1	427	6.64
118	Sn	115	1	523	7.72
121	Sb	115	1	81	24.08
137	Ba	115	1	117	2.86
205	Tl	165	1	294	8.19
208	Pb	165	1	1071	6.55
232	Th	165	1	290	24.87
238	U	165	1	229	6.73

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	313393	0.62
45	Sc	1	2073447	0.25
72	Ge	1	1257856	0.09
115	In	1	4209181	0.51
165	Ho	1	7804859	0.27

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\203CAL
Date Acquired: Apr 3 2012 02:55 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342540
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:53 am
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	-148	182.16
52	Cr	72	1	2037	5.39
55	Mn	72	1	1413	2.49
59	Co	72	1	150	11.55
60	Ni	72	1	120	33.33
63	Cu	72	1	2714	5.83
66	Zn	72	1	363	5.29
75	As	72	1	100	30.00
78	Se	72	1	567	19.52
95	Mo	72	1	353	9.94
107	Ag	115	1	57	36.74
111	Cd	115	1	357	8.25
118	Sn	115	1	430	15.25
121	Sb	115	1	63	13.93
137	Ba	115	1	97	10.35
205	Tl	165	1	214	15.10
208	Pb	165	1	982	7.53
232	Th	165	1	160	6.25
238	U	165	1	139	20.97

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	321726	0.35
45	Sc	1	2080908	0.90
72	Ge	1	1293904	1.11
115	In	1	4281452	1.12
165	Ho	1	7865767	0.44

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\204ICAL.D\204ICAL.D#
Date Acquired: Apr 3 2012 02:58 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342531
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:56 am
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	49678	1.88
51 V	72	1	1750598	0.51
52 Cr	72	1	1962213	1.63
55 Mn	72	1	1910963	0.21
59 Co	72	1	2809683	0.70
60 Ni	72	1	675655	0.74
63 Cu	72	1	1653871	0.14
66 Zn	72	1	266631	0.41
75 As	72	1	207903	0.62
78 Se	72	1	35243	0.78
95 Mo	72	1	856879	1.02
107 Ag	115	1	2621972	0.75
111 Cd	115	1	433589	0.65
118 Sn	115	1	1249362	0.31
121 Sb	115	1	1232185	0.95
137 Ba	115	1	592681	0.40
205 Tl	165	1	4674992	0.75
208 Pb	165	1	6459003	0.67
232 Th	165	1	6164284	1.57
238 U	165	1	6531982	1.62

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	322401	1.30	321726	100.2	30 - 120	
45 Sc	1	2102518	1.01	2080908	101.0	30 - 120	
72 Ge	1	1267635	0.86	1293904	98.0	30 - 120	
115 In	1	4244142	0.46	4281452	99.1	30 - 120	
165 Ho	1	7888835	0.96	7865767	100.3	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\205_CCV.D\205_CCV.D#
Date Acquired: Apr 3 2012 03:01 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	48.68	ppb	1.01	50	97.4	90 - 110	
51 V	72	1	50.15	ppb	1.76	50	100.3	90 - 110	
52 Cr	72	1	50.40	ppb	2.00	50	100.8	90 - 110	
55 Mn	72	1	50.60	ppb	0.73	50	101.2	90 - 110	
59 Co	72	1	51.50	ppb	0.51	50	103.0	90 - 110	
60 Ni	72	1	49.23	ppb	0.32	50	98.5	90 - 110	
63 Cu	72	1	49.91	ppb	1.59	50	99.8	90 - 110	
66 Zn	72	1	49.77	ppb	0.97	50	99.5	90 - 110	
75 As	72	1	49.81	ppb	0.53	50	99.6	90 - 110	
78 Se	72	1	49.51	ppb	4.16	50	99.0	90 - 110	
95 Mo	72	1	48.60	ppb	0.76	50	97.2	90 - 110	
107 Ag	115	1	51.11	ppb	0.05	50	102.2	90 - 110	
111 Cd	115	1	50.49	ppb	0.85	50	101.0	90 - 110	
118 Sn	115	1	48.76	ppb	0.75	50	97.5	90 - 110	
121 Sb	115	1	48.97	ppb	0.73	50	97.9	90 - 110	
137 Ba	115	1	50.46	ppb	1.01	50	100.9	90 - 110	
205 Tl	165	1	51.97	ppb	0.44	50	103.9	90 - 110	
208 Pb	165	1	50.04	ppb	0.38	50	100.1	90 - 110	
232 Th	165	1	50.45	ppb	1.77	50	100.9	90 - 110	
238 U	165	1	50.83	ppb	0.67	50	101.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	328187	0.66	321726	102.0	30 - 120	
45 Sc	1	2090896	0.62	2080908	100.5	30 - 120	
72 Ge	1	1289912	1.13	1293904	99.7	30 - 120	
115 In	1	4262328	0.67	4281452	99.6	30 - 120	
165 Ho	1	7952644	0.25	7865767	101.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\206_CCB.D\206_CCB.D#
Date Acquired: Apr 3 2012 03:04 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.000	ppb	4659.00	1.00	
51 V	72	1	0.014	ppb	49.12	1.00	
52 Cr	72	1	0.003	ppb	185.76	1.00	
55 Mn	72	1	0.063	ppb	3.17	1.00	
59 Co	72	1	0.008	ppb	26.11	1.00	
60 Ni	72	1	0.004	ppb	118.10	1.00	
63 Cu	72	1	0.098	ppb	32.84	1.00	
66 Zn	72	1	0.101	ppb	10.48	1.00	
75 As	72	1	0.013	ppb	32.84	1.00	
78 Se	72	1	0.556	ppb	66.40	1.00	
95 Mo	72	1	0.005	ppb	91.31	1.00	
107 Ag	115	1	0.016	ppb	10.32	1.00	
111 Cd	115	1	0.012	ppb	138.61	1.00	
118 Sn	115	1	0.045	ppb	23.92	1.00	
121 Sb	115	1	0.057	ppb	6.00	1.00	
137 Ba	115	1	0.014	ppb	4.16	1.00	
205 Tl	165	1	0.029	ppb	6.83	1.00	
208 Pb	165	1	0.012	ppb	21.20	1.00	
232 Th	165	1	0.054	ppb	12.29	1.00	
238 U	165	1	0.011	ppb	11.42	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	332527	0.69	321726	103.4	30 - 120	
45 Sc	1	2113812	0.48	2080908	101.6	30 - 120	
72 Ge	1	1271362	1.31	1293904	98.3	30 - 120	
115 In	1	4262753	0.92	4281452	99.6	30 - 120	
165 Ho	1	7897953	1.13	7865767	100.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\207_BLK.D\207_BLK.D#
Date Acquired: Apr 3 2012 03:07 am
Operator: TEL
Sample Name: mb 280-113759/1-a
Misc Info: BLANK 113759 6020
Vial Number: 3512
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	2288.90	2.00	
51 V	72	1	0.008 ppb	112.78	2.00	
52 Cr	72	1	-0.002 ppb	270.66	2.00	
55 Mn	72	1	0.061 ppb	19.26	2.00	
59 Co	72	1	0.004 ppb	64.05	2.00	
60 Ni	72	1	0.025 ppb	18.58	2.00	
63 Cu	72	1	0.144 ppb	6.09	2.00	
66 Zn	72	1	1.962 ppb	0.84	2.00	
75 As	72	1	0.011 ppb	138.45	2.00	
78 Se	72	1	0.309 ppb	96.67	2.00	
95 Mo	72	1	-0.010 ppb	59.24	2.00	
107 Ag	115	1	0.003 ppb	33.04	2.00	
111 Cd	115	1	0.005 ppb	194.58	2.00	
118 Sn	115	1	0.038 ppb	7.54	2.00	
121 Sb	115	1	0.022 ppb	3.87	2.00	
137 Ba	115	1	0.015 ppb	25.06	2.00	
205 Tl	165	1	0.013 ppb	33.68	2.00	
208 Pb	165	1	0.007 ppb	24.20	2.00	
232 Th	165	1	0.013 ppb	23.90	2.00	
238 U	165	1	0.007 ppb	51.69	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	342433	0.68	321726	106.4	30 - 120	
45 Sc	1	2148309	2.15	2080908	103.2	30 - 120	
72 Ge	1	1313172	0.54	1293904	101.5	30 - 120	
115 In	1	4343900	0.57	4281452	101.5	30 - 120	
165 Ho	1	8040160	0.51	7865767	102.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\208_LCS.D\208_LCS.D#
Date Acquired: Apr 3 2012 03:10 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113759/2-a
Misc Info: LCS
Vial Number: 4101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	41.63	3.01	40	104.1	80 - 120	
51 V	72	1	41.86	1.07	40	104.7	80 - 120	
52 Cr	72	1	41.50	1.09	40	103.8	80 - 120	
55 Mn	72	1	41.04	0.88	40	102.6	80 - 120	
59 Co	72	1	41.75	1.43	40	104.4	80 - 120	
60 Ni	72	1	40.68	0.36	40	101.7	80 - 120	
63 Cu	72	1	40.63	0.70	40	101.6	80 - 120	
66 Zn	72	1	43.79	1.07	40	109.5	80 - 120	
75 As	72	1	41.92	0.79	40	104.8	80 - 120	
78 Se	72	1	42.17	2.49	40	105.4	80 - 120	
95 Mo	72	1	39.85	1.28	40	99.6	80 - 120	
107 Ag	115	1	41.99	2.44	40	105.0	80 - 120	
111 Cd	115	1	42.04	0.62	40	105.1	80 - 120	
118 Sn	115	1	40.56	0.52	40	101.4	80 - 120	
121 Sb	115	1	40.91	0.29	40	102.3	80 - 120	
137 Ba	115	1	41.10	1.00	40	102.8	80 - 120	
205 Tl	165	1	42.31	0.64	40	105.8	80 - 120	
208 Pb	165	1	41.34	0.79	40	103.4	80 - 120	
232 Th	165	1	41.71	0.78	40	104.3	80 - 120	
238 U	165	1	41.73	0.58	40	104.3	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	342107	0.20	321726	106.3	30 - 120	
45 Sc	1	2174112	0.75	2080908	104.5	30 - 120	
72 Ge	1	1328387	0.58	1293904	102.7	30 - 120	
115 In	1	4362127	0.88	4281452	101.9	30 - 120	
165 Ho	1	8081013	0.65	7865767	102.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\209SMPL.D\209SMPL.D#
Date Acquired: Apr 3 2012 03:12 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27149-f-1-d
Misc Info:
Vial Number: 4102
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	116.36	3600	
51 V	72	1	4.52	4.52	ppb	3.25	3600	
52 Cr	72	1	1.58	1.58	ppb	0.77	3600	
55 Mn	72	1	20.16	20.16	ppb	1.72	18000	
59 Co	72	1	0.14	0.14	ppb	1.68	3600	
60 Ni	72	1	0.79	0.79	ppb	4.93	3600	
63 Cu	72	1	1.40	1.40	ppb	2.46	3600	
66 Zn	72	1	2.82	2.82	ppb	2.85	3600	
75 As	72	1	1.94	1.94	ppb	4.83	3600	
78 Se	72	1	1.12	1.12	ppb	14.80	3600	
95 Mo	72	1	3.57	3.57	ppb	2.29	3600	
107 Ag	115	1	0.01	0.01	ppb	21.43	3600	
111 Cd	115	1	0.00	0.00	ppb	74.30	3600	
118 Sn	115	1	0.06	0.06	ppb	11.34	3600	
121 Sb	115	1	0.39	0.39	ppb	1.69	3600	
137 Ba	115	1	11.97	11.97	ppb	1.26	3600	
205 Tl	165	1	0.03	0.03	ppb	25.81	3600	
208 Pb	165	1	0.53	0.53	ppb	2.02	3600	
232 Th	165	1	0.21	0.21	ppb	1.21	1000	
238 U	165	1	3.88	3.88	ppb	0.63	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	336531	0.73	321726	104.6	30 - 120	
45 Sc	1	2100745	1.15	2080908	101.0	30 - 120	
72 Ge	1	1262412	1.70	1293904	97.6	30 - 120	
115 In	1	4126859	0.16	4281452	96.4	30 - 120	
165 Ho	1	7804331	0.05	7865767	99.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\210AREF.D\210AREF.D#
Date Acquired: Apr 3 2012 03:15 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-2-b
Misc Info:
Vial Number: 4103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	155.68	3600	
51 V	72	1	0.04	0.04	ppb	35.76	3600	
52 Cr	72	1	0.10	0.10	ppb	16.95	3600	
55 Mn	72	1	0.08	0.08	ppb	21.31	18000	
59 Co	72	1	0.00	0.00	ppb	24.53	3600	
60 Ni	72	1	0.02	0.02	ppb	38.94	3600	
63 Cu	72	1	0.15	0.15	ppb	6.38	3600	
66 Zn	72	1	2.12	2.12	ppb	3.79	3600	
75 As	72	1	0.02	0.02	ppb	45.89	3600	
78 Se	72	1	0.51	0.51	ppb	52.82	3600	
95 Mo	72	1	0.00	0.00	ppb	296.54	3600	
107 Ag	115	1	0.00	0.00	ppb	53.26	3600	
111 Cd	115	1	0.01	0.01	ppb	121.01	3600	
118 Sn	115	1	0.05	0.05	ppb	3.55	3600	
121 Sb	115	1	0.03	0.03	ppb	13.58	3600	
137 Ba	115	1	0.37	0.37	ppb	6.50	3600	
205 Tl	165	1	0.00	0.00	ppb	31.59	3600	
208 Pb	165	1	0.02	0.02	ppb	15.32	3600	
232 Th	165	1	0.01	0.01	ppb	10.97	1000	
238 U	165	1	0.01	0.01	ppb	20.28	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	344338	0.31	321726	107.0	30 - 120	
45 Sc	1	2146207	0.40	2080908	103.1	30 - 120	
72 Ge	1	1315494	1.17	1293904	101.7	30 - 120	
115 In	1	4341731	0.38	4281452	101.4	30 - 120	
165 Ho	1	8007693	0.69	7865767	101.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\211SDIL.D\211SDIL.D#
Date Acquired: Apr 3 2012 03:18 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-2-b SD@5
Misc Info: SERIAL DILUTION
Vial Number: 4104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\210AREF.D\210AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.01	ppb	183.18	0.00	249.3	90 - 110	
51 V	72	1	0.01	ppb	169.62	0.01	114.6	90 - 110	
52 Cr	72	1	0.05	ppb	17.57	0.02	226.3	90 - 110	
55 Mn	72	1	0.03	ppb	37.67	0.02	220.0	90 - 110	
59 Co	72	1	0.01	ppb	42.52	0.00	661.6	90 - 110	
60 Ni	72	1	0.03	ppb	28.00	0.00	920.7	90 - 110	
63 Cu	72	1	0.22	ppb	4.23	0.03	730.1	90 - 110	
66 Zn	72	1	0.56	ppb	1.74	0.42	132.0	90 - 110	
75 As	72	1	0.00	ppb	239.80	0.00	95.2	90 - 110	
78 Se	72	1	0.28	ppb	50.98	0.10	273.5	90 - 110	
95 Mo	72	1	-0.01	ppb	60.22	0.00	-5584.2	90 - 110	
107 Ag	115	1	0.00	ppb	149.30	0.00	106.9	90 - 110	
111 Cd	115	1	0.01	ppb	42.63	0.00	779.3	90 - 110	
118 Sn	115	1	0.03	ppb	13.13	0.01	275.8	90 - 110	
121 Sb	115	1	0.01	ppb	7.02	0.01	138.5	90 - 110	
137 Ba	115	1	0.07	ppb	8.62	0.07	100.7	90 - 110	
205 Tl	165	1	0.00	ppb	538.37	0.00	22.3	90 - 110	
208 Pb	165	1	0.01	ppb	6.59	0.00	321.2	90 - 110	
232 Th	165	1	0.01	ppb	5.34	0.00	260.5	90 - 110	
238 U	165	1	0.00	ppb	56.46	0.00	88.8	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	337506	0.28	321726	104.9	30 - 120	
45 Sc	1	2119019	0.86	2080908	101.8	30 - 120	
72 Ge	1	1301688	1.80	1293904	100.6	30 - 120	
115 In	1	4271320	0.48	4281452	99.8	30 - 120	
165 Ho	1	7893278	0.42	7865767	100.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\212PDS.D\212PDS.D#
Date Acquired: Apr 3 2012 03:21 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-2-b PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 4105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	192.00	0.01	ppb	1.64	200	96.0	75 - 125	
51 V	72	1	183.80	0.04	ppb	1.78	200	91.9	75 - 125	
52 Cr	72	1	185.50	0.10	ppb	1.72	200	92.7	75 - 125	
55 Mn	72	1	187.60	0.08	ppb	1.02	200	93.8	75 - 125	
59 Co	72	1	187.90	0.00	ppb	1.37	200	93.9	75 - 125	
60 Ni	72	1	192.80	0.02	ppb	1.55	200	96.4	75 - 125	
63 Cu	72	1	187.20	0.15	ppb	1.20	200	93.5	75 - 125	
66 Zn	72	1	198.00	2.12	ppb	1.06	200	98.0	75 - 125	
75 As	72	1	195.40	0.02	ppb	1.28	200	97.7	75 - 125	
78 Se	72	1	191.20	0.51	ppb	0.63	200	95.4	75 - 125	
95 Mo	72	1	184.80	0.00	ppb	2.00	200	92.4	75 - 125	
107 Ag	115	1	48.84	0.00	ppb	1.78	50	97.7	75 - 125	
111 Cd	115	1	197.60	0.01	ppb	0.86	200	98.8	75 - 125	
118 Sn	115	1	184.90	0.05	ppb	1.38	200	92.4	75 - 125	
121 Sb	115	1	188.60	0.03	ppb	0.65	200	94.3	75 - 125	
137 Ba	115	1	195.20	0.37	ppb	0.53	200	97.4	75 - 125	
205 Tl	165	1	191.40	0.00	ppb	1.71	200	95.7	75 - 125	
208 Pb	165	1	187.90	0.02	ppb	1.62	200	93.9	75 - 125	
232 Th	165	1	0.01	0.01	ppb	28.02	200	0.0	75 - 125	
238 U	165	1	186.10	0.01	ppb	0.51	200	93.0	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	338867	1.18	321726	105.3	30 - 120	
45 Sc	1	2130345	0.59	2080908	102.4	30 - 120	
72 Ge	1	1299019	0.95	1293904	100.4	30 - 120	
115 In	1	4311409	0.56	4281452	100.7	30 - 120	
165 Ho	1	7973150	1.17	7865767	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\213_MS.D\213_MS.D#
Date Acquired: Apr 3 2012 03:24 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-2-c ms
Misc Info: MATRIX SPIKE
Vial Number: 4106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	40.93	0.01	ppb	1.88	40	102.3	50 - 150	
51 V	72	1	40.99	0.04	ppb	1.56	40	102.4	50 - 150	
52 Cr	72	1	40.88	0.10	ppb	1.65	40	101.9	50 - 150	
55 Mn	72	1	41.57	0.08	ppb	1.11	40	103.7	50 - 150	
59 Co	72	1	41.55	0.00	ppb	0.82	40	103.9	50 - 150	
60 Ni	72	1	40.06	0.02	ppb	1.44	40	100.1	50 - 150	
63 Cu	72	1	40.92	0.15	ppb	0.17	40	101.9	50 - 150	
66 Zn	72	1	43.93	2.12	ppb	0.93	40	104.3	50 - 150	
75 As	72	1	41.37	0.02	ppb	0.31	40	103.4	50 - 150	
78 Se	72	1	41.23	0.51	ppb	2.18	40	101.8	50 - 150	
95 Mo	72	1	39.63	0.00	ppb	0.13	40	99.1	50 - 150	
107 Ag	115	1	42.06	0.00	ppb	1.38	40	105.1	50 - 150	
111 Cd	115	1	41.86	0.01	ppb	1.34	40	104.6	50 - 150	
118 Sn	115	1	40.44	0.05	ppb	1.94	40	101.0	50 - 150	
121 Sb	115	1	40.95	0.03	ppb	1.71	40	102.3	50 - 150	
137 Ba	115	1	41.74	0.37	ppb	1.60	40	103.4	50 - 150	
205 Tl	165	1	42.46	0.00	ppb	0.53	40	106.1	50 - 150	
208 Pb	165	1	41.56	0.02	ppb	0.66	40	103.9	50 - 150	
232 Th	165	1	41.90	0.01	ppb	1.15	40	104.7	50 - 150	
238 U	165	1	41.95	0.01	ppb	1.25	40	104.9	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	338190	0.67	321726	105.1	30 - 120	
45 Sc	1	2091863	0.46	2080908	100.5	30 - 120	
72 Ge	1	1292617	0.33	1293904	99.9	30 - 120	
115 In	1	4249774	1.02	4281452	99.3	30 - 120	
165 Ho	1	7915926	0.83	7865767	100.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\214_MSD.D\214_MSD.D#
Date Acquired: Apr 3 2012 03:27 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-2-d msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 4107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\213_MS.D\213_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	41.73	ppb	2.04	40.93	1.94	20	
51 V	72	1	40.99	ppb	0.89	40.99	0.00	20	
52 Cr	72	1	42.04	ppb	1.42	40.88	2.80	20	
55 Mn	72	1	41.97	ppb	2.49	41.57	0.96	20	
59 Co	72	1	41.55	ppb	0.96	41.55	0.00	20	
60 Ni	72	1	40.61	ppb	1.51	40.06	1.36	20	
63 Cu	72	1	40.89	ppb	0.53	40.92	0.07	20	
66 Zn	72	1	43.57	ppb	0.28	43.93	0.82	20	
75 As	72	1	41.68	ppb	1.10	41.37	0.75	20	
78 Se	72	1	42.10	ppb	4.06	41.23	2.09	20	
95 Mo	72	1	39.82	ppb	0.12	39.63	0.48	20	
107 Ag	115	1	42.37	ppb	1.10	42.06	0.73	20	
111 Cd	115	1	41.96	ppb	1.27	41.86	0.24	20	
118 Sn	115	1	40.10	ppb	1.71	40.44	0.84	20	
121 Sb	115	1	40.69	ppb	1.25	40.95	0.64	20	
137 Ba	115	1	41.71	ppb	0.85	41.74	0.07	20	
205 Tl	165	1	43.21	ppb	1.16	42.46	1.75	20	
208 Pb	165	1	41.80	ppb	1.00	41.56	0.58	20	
232 Th	165	1	42.39	ppb	0.74	41.90	1.16	20	
238 U	165	1	42.10	ppb	0.40	41.95	0.36	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	335035	0.38	321726	104.1	30 - 120	
45 Sc	1	2093544	1.86	2080908	100.6	30 - 120	
72 Ge	1	1281566	1.00	1293904	99.0	30 - 120	
115 In	1	4241639	1.05	4281452	99.1	30 - 120	
165 Ho	1	7855728	0.67	7865767	99.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\215_CCV.D\215_CCV.D#
Date Acquired: Apr 3 2012 03:30 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	47.98	ppb	2.08	50	96.0	90 - 110	
51 V	72	1	50.52	ppb	2.14	50	101.0	90 - 110	
52 Cr	72	1	50.52	ppb	1.50	50	101.0	90 - 110	
55 Mn	72	1	50.87	ppb	3.27	50	101.7	90 - 110	
59 Co	72	1	50.88	ppb	2.47	50	101.8	90 - 110	
60 Ni	72	1	49.20	ppb	2.40	50	98.4	90 - 110	
63 Cu	72	1	49.03	ppb	2.37	50	98.1	90 - 110	
66 Zn	72	1	50.03	ppb	1.41	50	100.1	90 - 110	
75 As	72	1	49.62	ppb	1.12	50	99.2	90 - 110	
78 Se	72	1	50.61	ppb	3.78	50	101.2	90 - 110	
95 Mo	72	1	48.21	ppb	2.00	50	96.4	90 - 110	
107 Ag	115	1	51.40	ppb	0.66	50	102.8	90 - 110	
111 Cd	115	1	50.69	ppb	0.64	50	101.4	90 - 110	
118 Sn	115	1	49.19	ppb	0.73	50	98.4	90 - 110	
121 Sb	115	1	49.20	ppb	0.16	50	98.4	90 - 110	
137 Ba	115	1	50.39	ppb	0.06	50	100.8	90 - 110	
205 Tl	165	1	51.64	ppb	0.50	50	103.3	90 - 110	
208 Pb	165	1	50.43	ppb	1.43	50	100.9	90 - 110	
232 Th	165	1	51.36	ppb	1.70	50	102.7	90 - 110	
238 U	165	1	51.07	ppb	1.25	50	102.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	330523	0.34	321726	102.7	30 - 120	
45 Sc	1	2057730	0.89	2080908	98.9	30 - 120	
72 Ge	1	1262327	2.48	1293904	97.6	30 - 120	
115 In	1	4177699	0.13	4281452	97.6	30 - 120	
165 Ho	1	7793502	0.99	7865767	99.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\216_CCB.D\216_CCB.D#
Date Acquired: Apr 3 2012 03:33 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.020	ppb	116.50	1.00	
51 V	72	1	0.023	ppb	48.05	1.00	
52 Cr	72	1	0.010	ppb	28.79	1.00	
55 Mn	72	1	0.068	ppb	7.88	1.00	
59 Co	72	1	0.013	ppb	15.82	1.00	
60 Ni	72	1	0.012	ppb	35.83	1.00	
63 Cu	72	1	0.051	ppb	21.37	1.00	
66 Zn	72	1	0.118	ppb	4.18	1.00	
75 As	72	1	0.012	ppb	54.31	1.00	
78 Se	72	1	0.095	ppb	216.20	1.00	
95 Mo	72	1	0.004	ppb	140.98	1.00	
107 Ag	115	1	0.017	ppb	16.15	1.00	
111 Cd	115	1	0.031	ppb	69.35	1.00	
118 Sn	115	1	0.051	ppb	15.45	1.00	
121 Sb	115	1	0.065	ppb	6.20	1.00	
137 Ba	115	1	0.018	ppb	27.53	1.00	
205 Tl	165	1	0.032	ppb	17.21	1.00	
208 Pb	165	1	0.017	ppb	10.83	1.00	
232 Th	165	1	0.060	ppb	12.31	1.00	
238 U	165	1	0.015	ppb	7.30	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	328465	0.83	321726	102.1	30 - 120	
45 Sc	1	2057208	1.15	2080908	98.9	30 - 120	
72 Ge	1	1249100	0.63	1293904	96.5	30 - 120	
115 In	1	4147644	0.08	4281452	96.9	30 - 120	
165 Ho	1	7713869	0.49	7865767	98.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\217SMPL.D\217SMPL.D#
Date Acquired: Apr 3 2012 03:36 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-3-b
Misc Info:
Vial Number: 4108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	217.65	3600	
51 V	72	1	0.13	0.13	ppb	20.04	3600	
52 Cr	72	1	0.43	0.43	ppb	5.21	3600	
55 Mn	72	1	549.00	549.00	ppb	2.05	18000	
59 Co	72	1	0.26	0.26	ppb	2.61	3600	
60 Ni	72	1	1.00	1.00	ppb	2.12	3600	
63 Cu	72	1	1.20	1.20	ppb	2.78	3600	
66 Zn	72	1	9.96	9.96	ppb	2.26	3600	
75 As	72	1	1.14	1.14	ppb	2.84	3600	
78 Se	72	1	0.18	0.18	ppb	68.28	3600	
95 Mo	72	1	0.19	0.19	ppb	4.77	3600	
107 Ag	115	1	0.02	0.02	ppb	3.17	3600	
111 Cd	115	1	0.03	0.03	ppb	64.99	3600	
118 Sn	115	1	0.12	0.12	ppb	8.90	3600	
121 Sb	115	1	0.05	0.05	ppb	8.10	3600	
137 Ba	115	1	39.40	39.40	ppb	0.53	3600	
205 Tl	165	1	0.02	0.02	ppb	29.46	3600	
208 Pb	165	1	0.33	0.33	ppb	2.37	3600	
232 Th	165	1	0.03	0.03	ppb	5.67	1000	
238 U	165	1	0.04	0.04	ppb	5.90	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	327379	0.32	321726	101.8	30 - 120	
45 Sc	1	2048925	0.72	2080908	98.5	30 - 120	
72 Ge	1	1220487	1.21	1293904	94.3	30 - 120	
115 In	1	4017335	0.20	4281452	93.8	30 - 120	
165 Ho	1	7574735	0.39	7865767	96.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\218SMPL.D\218SMPL.D#
Date Acquired: Apr 3 2012 03:39 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-4-b
Misc Info:
Vial Number: 4109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	28.75	3600	
51 V	72	1	0.23	0.23	ppb	4.18	3600	
52 Cr	72	1	0.33	0.33	ppb	2.94	3600	
55 Mn	72	1	4,358.00	4358.00	ppb	0.40	18000	
59 Co	72	1	83.33	83.33	ppb	0.41	3600	
60 Ni	72	1	43.32	43.32	ppb	0.72	3600	
63 Cu	72	1	0.51	0.51	ppb	4.50	3600	
66 Zn	72	1	63.02	63.02	ppb	0.47	3600	
75 As	72	1	10.24	10.24	ppb	2.97	3600	
78 Se	72	1	0.16	0.16	ppb	187.21	3600	
95 Mo	72	1	0.23	0.23	ppb	17.13	3600	
107 Ag	115	1	0.00	0.00	ppb	30.68	3600	
111 Cd	115	1	0.13	0.13	ppb	8.97	3600	
118 Sn	115	1	0.15	0.15	ppb	2.37	3600	
121 Sb	115	1	0.04	0.04	ppb	3.27	3600	
137 Ba	115	1	206.20	206.20	ppb	0.58	3600	
205 Tl	165	1	0.07	0.07	ppb	5.84	3600	
208 Pb	165	1	1.80	1.80	ppb	0.37	3600	
232 Th	165	1	0.04	0.04	ppb	6.70	1000	
238 U	165	1	0.03	0.03	ppb	5.66	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	328679	0.26	321726	102.2	30 - 120	
45 Sc	1	1967270	0.40	2080908	94.5	30 - 120	
72 Ge	1	1249057	0.83	1293904	96.5	30 - 120	
115 In	1	3987772	0.33	4281452	93.1	30 - 120	
165 Ho	1	7589148	0.05	7865767	96.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\219SMPL.D\219SMPL.D#
Date Acquired: Apr 3 2012 03:42 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-5-b
Misc Info:
Vial Number: 4110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.29	0.29	ppb	26.79	3600	
51 V	72	1	5.30	5.30	ppb	2.14	3600	
52 Cr	72	1	1.13	1.13	ppb	4.18	3600	
55 Mn	72	1	189.30	189.30	ppb	2.32	18000	
59 Co	72	1	6.19	6.19	ppb	2.07	3600	
60 Ni	72	1	8.95	8.95	ppb	2.54	3600	
63 Cu	72	1	1.37	1.37	ppb	1.39	3600	
66 Zn	72	1	23.26	23.26	ppb	0.97	3600	
75 As	72	1	2.36	2.36	ppb	3.45	3600	
78 Se	72	1	0.42	0.42	ppb	64.89	3600	
95 Mo	72	1	0.12	0.12	ppb	8.99	3600	
107 Ag	115	1	0.13	0.13	ppb	8.23	3600	
111 Cd	115	1	0.04	0.04	ppb	19.32	3600	
118 Sn	115	1	0.13	0.13	ppb	10.08	3600	
121 Sb	115	1	0.08	0.08	ppb	12.40	3600	
137 Ba	115	1	85.69	85.69	ppb	1.34	3600	
205 Tl	165	1	0.04	0.04	ppb	5.76	3600	
208 Pb	165	1	0.50	0.50	ppb	1.63	3600	
232 Th	165	1	0.12	0.12	ppb	4.64	1000	
238 U	165	1	0.42	0.42	ppb	0.31	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	337468	0.62	321726	104.9	30 - 120	
45 Sc	1	2024736	0.62	2080908	97.3	30 - 120	
72 Ge	1	1238825	1.17	1293904	95.7	30 - 120	
115 In	1	4015393	0.71	4281452	93.8	30 - 120	
165 Ho	1	7562641	0.36	7865767	96.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\220SMPL.D\220SMPL.D#
Date Acquired: Apr 3 2012 03:44 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-6-b
Misc Info:
Vial Number: 4111
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.10	ppb	28.22	3600	
51 V	72	1	0.02	0.02	ppb	41.23	3600	
52 Cr	72	1	0.09	0.09	ppb	17.22	3600	
55 Mn	72	1	124.90	124.90	ppb	0.30	18000	
59 Co	72	1	1.38	1.38	ppb	0.99	3600	
60 Ni	72	1	3.43	3.43	ppb	1.36	3600	
63 Cu	72	1	0.39	0.39	ppb	4.21	3600	
66 Zn	72	1	6.26	6.26	ppb	1.90	3600	
75 As	72	1	0.04	0.04	ppb	17.92	3600	
78 Se	72	1	0.14	0.14	ppb	37.59	3600	
95 Mo	72	1	0.00	0.00	ppb	383.74	3600	
107 Ag	115	1	0.00	0.00	ppb	14.81	3600	
111 Cd	115	1	0.01	0.01	ppb	75.41	3600	
118 Sn	115	1	0.05	0.05	ppb	20.54	3600	
121 Sb	115	1	0.02	0.02	ppb	14.23	3600	
137 Ba	115	1	28.09	28.09	ppb	1.36	3600	
205 Tl	165	1	0.00	0.00	ppb	2.87	3600	
208 Pb	165	1	0.33	0.33	ppb	1.80	3600	
232 Th	165	1	0.02	0.02	ppb	4.67	1000	
238 U	165	1	0.01	0.01	ppb	8.40	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	332168	0.53	321726	103.2	30 - 120	
45 Sc	1	2002690	1.07	2080908	96.2	30 - 120	
72 Ge	1	1224969	0.39	1293904	94.7	30 - 120	
115 In	1	4008289	1.47	4281452	93.6	30 - 120	
165 Ho	1	7520481	0.28	7865767	95.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\221SMPL.D\221SMPL.D#
Date Acquired: Apr 3 2012 03:47 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-7-b
Misc Info:
Vial Number: 4112
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.30	0.30	ppb	48.28	3600	
51 V	72	1	0.09	0.09	ppb	22.48	3600	
52 Cr	72	1	0.06	0.06	ppb	11.58	3600	
55 Mn	72	1	35.03	35.03	ppb	0.75	18000	
59 Co	72	1	5.79	5.79	ppb	1.47	3600	
60 Ni	72	1	11.58	11.58	ppb	0.70	3600	
63 Cu	72	1	0.28	0.28	ppb	1.13	3600	
66 Zn	72	1	28.03	28.03	ppb	1.38	3600	
75 As	72	1	0.08	0.08	ppb	9.56	3600	
78 Se	72	1	0.20	0.20	ppb	103.52	3600	
95 Mo	72	1	0.00	0.00	ppb	6487.30	3600	
107 Ag	115	1	0.24	0.24	ppb	1.85	3600	
111 Cd	115	1	0.39	0.39	ppb	6.47	3600	
118 Sn	115	1	0.06	0.06	ppb	15.79	3600	
121 Sb	115	1	0.02	0.02	ppb	21.60	3600	
137 Ba	115	1	85.55	85.55	ppb	0.80	3600	
205 Tl	165	1	0.14	0.14	ppb	2.34	3600	
208 Pb	165	1	1.10	1.10	ppb	0.55	3600	
232 Th	165	1	0.01	0.01	ppb	12.07	1000	
238 U	165	1	0.05	0.05	ppb	2.21	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	324521	0.47	321726	100.9	30 - 120	
45 Sc	1	1970795	0.95	2080908	94.7	30 - 120	
72 Ge	1	1202455	0.69	1293904	92.9	30 - 120	
115 In	1	3957873	0.37	4281452	92.4	30 - 120	
165 Ho	1	7447691	0.47	7865767	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\222SMPL.D\222SMPL.D#
Date Acquired: Apr 3 2012 03:50 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-8-b
Misc Info:
Vial Number: 4201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	115.01	3600	
51 V	72	1	0.22	0.22	ppb	12.51	3600	
52 Cr	72	1	0.17	0.17	ppb	3.56	3600	
55 Mn	72	1	424.70	424.70	ppb	1.18	18000	
59 Co	72	1	0.17	0.17	ppb	3.61	3600	
60 Ni	72	1	0.82	0.82	ppb	0.31	3600	
63 Cu	72	1	1.17	1.17	ppb	1.10	3600	
66 Zn	72	1	4.56	4.56	ppb	4.45	3600	
75 As	72	1	0.22	0.22	ppb	4.12	3600	
78 Se	72	1	0.38	0.38	ppb	77.34	3600	
95 Mo	72	1	0.28	0.28	ppb	7.74	3600	
107 Ag	115	1	0.01	0.01	ppb	28.52	3600	
111 Cd	115	1	0.04	0.04	ppb	15.98	3600	
118 Sn	115	1	0.09	0.09	ppb	6.58	3600	
121 Sb	115	1	0.03	0.03	ppb	14.94	3600	
137 Ba	115	1	33.41	33.41	ppb	0.20	3600	
205 Tl	165	1	0.00	0.00	ppb	27.68	3600	
208 Pb	165	1	0.11	0.11	ppb	1.55	3600	
232 Th	165	1	0.01	0.01	ppb	18.78	1000	
238 U	165	1	0.08	0.08	ppb	2.92	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	316314	0.65	321726	98.3	30 - 120	
45 Sc	1	1952522	0.44	2080908	93.8	30 - 120	
72 Ge	1	1171073	0.84	1293904	90.5	30 - 120	
115 In	1	3871784	0.11	4281452	90.4	30 - 120	
165 Ho	1	7357676	0.19	7865767	93.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\223SMPL.D\223SMPL.D#
Date Acquired: Apr 3 2012 03:53 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-9-b
Misc Info:
Vial Number: 4202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	103.98	3600	
51 V	72	1	0.08	0.08	ppb	1.40	3600	
52 Cr	72	1	0.03	0.03	ppb	4.92	3600	
55 Mn	72	1	193.70	193.70	ppb	0.71	18000	
59 Co	72	1	0.12	0.12	ppb	5.26	3600	
60 Ni	72	1	0.37	0.37	ppb	5.70	3600	
63 Cu	72	1	0.22	0.22	ppb	4.53	3600	
66 Zn	72	1	3.61	3.61	ppb	0.42	3600	
75 As	72	1	0.20	0.20	ppb	11.01	3600	
78 Se	72	1	0.35	0.35	ppb	42.27	3600	
95 Mo	72	1	0.03	0.03	ppb	35.50	3600	
107 Ag	115	1	0.00	0.00	ppb	101.43	3600	
111 Cd	115	1	0.00	0.00	ppb	365.05	3600	
118 Sn	115	1	0.07	0.07	ppb	6.68	3600	
121 Sb	115	1	0.01	0.01	ppb	21.28	3600	
137 Ba	115	1	87.43	87.43	ppb	0.96	3600	
205 Tl	165	1	0.00	0.00	ppb	9.82	3600	
208 Pb	165	1	0.21	0.21	ppb	3.57	3600	
232 Th	165	1	0.01	0.01	ppb	27.79	1000	
238 U	165	1	0.01	0.01	ppb	4.63	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	316003	0.36	321726	98.2	30 - 120	
45 Sc	1	1948488	1.07	2080908	93.6	30 - 120	
72 Ge	1	1199501	0.82	1293904	92.7	30 - 120	
115 In	1	3894730	0.81	4281452	91.0	30 - 120	
165 Ho	1	7336590	0.61	7865767	93.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\224SMPL.D\224SMPL.D#
Date Acquired: Apr 3 2012 03:56 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-10-b
Misc Info:
Vial Number: 4203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	155.20	3600	
51 V	72	1	0.05	0.05	ppb	26.37	3600	
52 Cr	72	1	0.09	0.09	ppb	8.14	3600	
55 Mn	72	1	548.40	548.40	ppb	1.04	18000	
59 Co	72	1	0.34	0.34	ppb	3.44	3600	
60 Ni	72	1	1.67	1.67	ppb	5.04	3600	
63 Cu	72	1	0.28	0.28	ppb	2.54	3600	
66 Zn	72	1	7.92	7.92	ppb	0.81	3600	
75 As	72	1	1.46	1.46	ppb	1.67	3600	
78 Se	72	1	0.16	0.16	ppb	103.50	3600	
95 Mo	72	1	0.18	0.18	ppb	8.89	3600	
107 Ag	115	1	0.06	0.06	ppb	7.55	3600	
111 Cd	115	1	0.01	0.01	ppb	73.56	3600	
118 Sn	115	1	0.18	0.18	ppb	4.38	3600	
121 Sb	115	1	0.02	0.02	ppb	6.47	3600	
137 Ba	115	1	41.01	41.01	ppb	2.23	3600	
205 Tl	165	1	0.01	0.01	ppb	1.94	3600	
208 Pb	165	1	0.10	0.10	ppb	1.03	3600	
232 Th	165	1	0.02	0.02	ppb	16.03	1000	
238 U	165	1	0.05	0.05	ppb	3.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	309236	0.85	321726	96.1	30 - 120	
45 Sc	1	1908831	0.47	2080908	91.7	30 - 120	
72 Ge	1	1141293	0.86	1293904	88.2	30 - 120	
115 In	1	3797442	1.55	4281452	88.7	30 - 120	
165 Ho	1	7235363	0.26	7865767	92.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\225_CCV.D\225_CCV.D#
Date Acquired: Apr 3 2012 03:59 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	48.71	ppb	2.89	50	97.4	90 - 110	
51 V	72	1	50.76	ppb	1.23	50	101.5	90 - 110	
52 Cr	72	1	50.97	ppb	0.41	50	101.9	90 - 110	
55 Mn	72	1	51.83	ppb	0.58	50	103.7	90 - 110	
59 Co	72	1	51.14	ppb	1.99	50	102.3	90 - 110	
60 Ni	72	1	49.04	ppb	0.85	50	98.1	90 - 110	
63 Cu	72	1	49.08	ppb	0.68	50	98.2	90 - 110	
66 Zn	72	1	50.49	ppb	0.61	50	101.0	90 - 110	
75 As	72	1	49.79	ppb	0.48	50	99.6	90 - 110	
78 Se	72	1	51.24	ppb	4.39	50	102.5	90 - 110	
95 Mo	72	1	49.46	ppb	0.47	50	98.9	90 - 110	
107 Ag	115	1	50.55	ppb	0.64	50	101.1	90 - 110	
111 Cd	115	1	50.17	ppb	0.74	50	100.3	90 - 110	
118 Sn	115	1	49.20	ppb	1.05	50	98.4	90 - 110	
121 Sb	115	1	48.98	ppb	0.62	50	98.0	90 - 110	
137 Ba	115	1	50.65	ppb	0.69	50	101.3	90 - 110	
205 Tl	165	1	52.43	ppb	1.04	50	104.9	90 - 110	
208 Pb	165	1	51.01	ppb	1.42	50	102.0	90 - 110	
232 Th	165	1	52.34	ppb	1.34	50	104.7	90 - 110	
238 U	165	1	52.11	ppb	1.24	50	104.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	306755	1.26	321726	95.3	30 - 120	
45 Sc	1	1899854	1.16	2080908	91.3	30 - 120	
72 Ge	1	1150865	0.19	1293904	88.9	30 - 120	
115 In	1	3914421	0.62	4281452	91.4	30 - 120	
165 Ho	1	7351001	0.89	7865767	93.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\226_CCB.D\226_CCB.D#
Date Acquired: Apr 3 2012 04:02 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.023	ppb	57.97	1.00	
51 V	72	1	0.021	ppb	17.26	1.00	
52 Cr	72	1	0.010	ppb	55.60	1.00	
55 Mn	72	1	0.161	ppb	10.42	1.00	
59 Co	72	1	0.007	ppb	17.24	1.00	
60 Ni	72	1	0.013	ppb	32.06	1.00	
63 Cu	72	1	0.041	ppb	10.35	1.00	
66 Zn	72	1	0.107	ppb	20.53	1.00	
75 As	72	1	0.008	ppb	144.81	1.00	
78 Se	72	1	0.109	ppb	301.65	1.00	
95 Mo	72	1	0.014	ppb	68.11	1.00	
107 Ag	115	1	0.012	ppb	36.23	1.00	
111 Cd	115	1	0.005	ppb	403.40	1.00	
118 Sn	115	1	0.031	ppb	15.65	1.00	
121 Sb	115	1	0.039	ppb	12.71	1.00	
137 Ba	115	1	0.034	ppb	12.01	1.00	
205 Tl	165	1	0.025	ppb	14.34	1.00	
208 Pb	165	1	0.018	ppb	10.09	1.00	
232 Th	165	1	0.045	ppb	7.40	1.00	
238 U	165	1	0.011	ppb	13.25	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	296792	1.24	321726	92.2	30 - 120	
45 Sc	1	1882293	0.86	2080908	90.5	30 - 120	
72 Ge	1	1126614	0.94	1293904	87.1	30 - 120	
115 In	1	3856280	0.60	4281452	90.1	30 - 120	
165 Ho	1	7213060	0.53	7865767	91.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\227_BLK.D\227_BLK.D#
Date Acquired: Apr 3 2012 04:05 am
Operator: TEL
Sample Name: mb 280-113858/1-a
Misc Info: BLANK 113858 6020
Vial Number: 4204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.007 ppb	0.00	2.00	
51 V	72	1	0.035 ppb	3.60	2.00	
52 Cr	72	1	0.097 ppb	18.65	2.00	
55 Mn	72	1	0.199 ppb	4.68	2.00	
59 Co	72	1	0.005 ppb	53.66	2.00	
60 Ni	72	1	0.034 ppb	61.65	2.00	
63 Cu	72	1	0.312 ppb	7.97	2.00	
66 Zn	72	1	1.463 ppb	2.36	2.00	
75 As	72	1	0.009 ppb	126.32	2.00	
78 Se	72	1	0.322 ppb	34.86	2.00	
95 Mo	72	1	-0.001 ppb	460.48	2.00	
107 Ag	115	1	0.006 ppb	24.05	2.00	
111 Cd	115	1	0.009 ppb	124.14	2.00	
118 Sn	115	1	0.034 ppb	13.89	2.00	
121 Sb	115	1	0.018 ppb	24.88	2.00	
137 Ba	115	1	0.235 ppb	4.04	2.00	
205 Tl	165	1	0.008 ppb	26.53	2.00	
208 Pb	165	1	0.020 ppb	14.13	2.00	
232 Th	165	1	0.009 ppb	17.17	2.00	
238 U	165	1	0.006 ppb	13.27	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	297536	0.74	321726	92.5	30 - 120	
45 Sc	1	1880421	0.22	2080908	90.4	30 - 120	
72 Ge	1	1139919	0.66	1293904	88.1	30 - 120	
115 In	1	3830090	0.75	4281452	89.5	30 - 120	
165 Ho	1	7181591	0.23	7865767	91.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\228_LCS.D\228_LCS.D#
Date Acquired: Apr 3 2012 04:08 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113858/2-a
Misc Info: LCS
Vial Number: 4205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	41.60	2.85	40	104.0	80 - 120	
51 V	72	1	40.21	1.26	40	100.5	80 - 120	
52 Cr	72	1	40.15	1.21	40	100.4	80 - 120	
55 Mn	72	1	40.50	0.67	40	101.3	80 - 120	
59 Co	72	1	41.03	1.77	40	102.6	80 - 120	
60 Ni	72	1	39.32	0.85	40	98.3	80 - 120	
63 Cu	72	1	39.64	1.52	40	99.1	80 - 120	
66 Zn	72	1	43.03	0.34	40	107.6	80 - 120	
75 As	72	1	41.73	0.68	40	104.3	80 - 120	
78 Se	72	1	42.00	2.01	40	105.0	80 - 120	
95 Mo	72	1	39.18	1.67	40	98.0	80 - 120	
107 Ag	115	1	40.89	0.50	40	102.2	80 - 120	
111 Cd	115	1	41.18	0.94	40	103.0	80 - 120	
118 Sn	115	1	39.53	0.84	40	98.8	80 - 120	
121 Sb	115	1	40.30	0.76	40	100.8	80 - 120	
137 Ba	115	1	41.16	0.18	40	102.9	80 - 120	
205 Tl	165	1	43.11	0.35	40	107.8	80 - 120	
208 Pb	165	1	41.73	0.90	40	104.3	80 - 120	
232 Th	165	1	42.61	2.49	40	106.5	80 - 120	
238 U	165	1	42.54	1.71	40	106.4	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	292777	0.73	321726	91.0	30 - 120	
45 Sc	1	1860261	1.32	2080908	89.4	30 - 120	
72 Ge	1	1129306	0.82	1293904	87.3	30 - 120	
115 In	1	3825423	0.41	4281452	89.3	30 - 120	
165 Ho	1	7165318	0.66	7865767	91.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\229SMPL.D\229SMPL.D#
Date Acquired: Apr 3 2012 04:11 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-5-d
Misc Info:
Vial Number: 4206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.07	0.07	ppb	18.46	3600	
51 V	72	1	2.99	2.99	ppb	1.66	3600	
52 Cr	72	1	0.11	0.11	ppb	10.98	3600	
55 Mn	72	1	14.08	14.08	ppb	0.70	18000	
59 Co	72	1	0.17	0.17	ppb	6.22	3600	
60 Ni	72	1	6.25	6.25	ppb	0.75	3600	
63 Cu	72	1	1.66	1.66	ppb	1.69	3600	
66 Zn	72	1	9.62	9.62	ppb	0.69	3600	
75 As	72	1	1.80	1.80	ppb	3.80	3600	
78 Se	72	1	0.48	0.48	ppb	127.09	3600	
95 Mo	72	1	1.78	1.78	ppb	2.47	3600	
107 Ag	115	1	0.01	0.01	ppb	30.24	3600	
111 Cd	115	1	0.43	0.43	ppb	1.65	3600	
118 Sn	115	1	0.12	0.12	ppb	12.96	3600	
121 Sb	115	1	180.40	180.40	ppb	0.14	3600	
137 Ba	115	1	71.03	71.03	ppb	0.77	3600	
205 Tl	165	1	0.19	0.19	ppb	3.43	3600	
208 Pb	165	1	0.08	0.08	ppb	6.95	3600	
232 Th	165	1	0.09	0.09	ppb	19.46	1000	
238 U	165	1	10.08	10.08	ppb	1.00	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	279379	0.45	321726	86.8	30 - 120	
45 Sc	1	1744930	1.39	2080908	83.9	30 - 120	
72 Ge	1	999645	0.29	1293904	77.3	30 - 120	
115 In	1	3429791	0.54	4281452	80.1	30 - 120	
165 Ho	1	6703435	0.31	7865767	85.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\230AREF.D\230AREF.D#
Date Acquired: Apr 3 2012 04:14 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-6-b
Misc Info:
Vial Number: 4207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	141.74	3600	
51 V	72	1	2.60	2.60	ppb	3.60	3600	
52 Cr	72	1	0.40	0.40	ppb	5.41	3600	
55 Mn	72	1	3.86	3.86	ppb	1.66	18000	
59 Co	72	1	0.33	0.33	ppb	5.38	3600	
60 Ni	72	1	11.12	11.12	ppb	3.06	3600	
63 Cu	72	1	2.58	2.58	ppb	2.91	3600	
66 Zn	72	1	14.19	14.19	ppb	2.02	3600	
75 As	72	1	1.20	1.20	ppb	2.09	3600	
78 Se	72	1	7.07	7.07	ppb	2.62	3600	
95 Mo	72	1	2.67	2.67	ppb	2.61	3600	
107 Ag	115	1	0.00	0.00	ppb	24.99	3600	
111 Cd	115	1	4.69	4.69	ppb	3.45	3600	
118 Sn	115	1	0.42	0.42	ppb	8.19	3600	
121 Sb	115	1	0.36	0.36	ppb	5.55	3600	
137 Ba	115	1	48.15	48.15	ppb	0.53	3600	
205 Tl	165	1	0.11	0.11	ppb	5.17	3600	
208 Pb	165	1	0.17	0.17	ppb	1.79	3600	
232 Th	165	1	0.06	0.06	ppb	8.87	1000	
238 U	165	1	9.24	9.24	ppb	0.17	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	281182	0.53	321726	87.4	30 - 120	
45 Sc	1	1714321	0.67	2080908	82.4	30 - 120	
72 Ge	1	985398	0.53	1293904	76.2	30 - 120	
115 In	1	3403923	0.53	4281452	79.5	30 - 120	
165 Ho	1	6694700	0.27	7865767	85.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\231SDIL.D\231SDIL.D#
Date Acquired: Apr 3 2012 04:17 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-6-b SD@5
Misc Info: SERIAL DILUTION
Vial Number: 4208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\230AREF.D\230AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.02	ppb	142.50	0.00	495.4	90 - 110	
51 V	72	1	0.54	ppb	2.15	0.52	103.1	90 - 110	
52 Cr	72	1	0.09	ppb	22.01	0.08	116.1	90 - 110	
55 Mn	72	1	0.88	ppb	4.54	0.77	113.4	90 - 110	
59 Co	72	1	0.07	ppb	4.24	0.07	102.5	90 - 110	
60 Ni	72	1	2.25	ppb	1.20	2.22	101.1	90 - 110	
63 Cu	72	1	0.54	ppb	3.36	0.52	105.3	90 - 110	
66 Zn	72	1	2.93	ppb	0.77	2.84	103.3	90 - 110	
75 As	72	1	0.24	ppb	9.96	0.24	100.9	90 - 110	
78 Se	72	1	1.17	ppb	25.02	1.41	82.6	90 - 110	
95 Mo	72	1	0.51	ppb	2.63	0.53	95.2	90 - 110	
107 Ag	115	1	0.00	ppb	105.47	0.00	92.6	90 - 110	
111 Cd	115	1	0.97	ppb	0.95	0.94	103.9	90 - 110	
118 Sn	115	1	0.13	ppb	7.42	0.08	150.4	90 - 110	
121 Sb	115	1	0.08	ppb	12.14	0.07	108.8	90 - 110	
137 Ba	115	1	9.71	ppb	0.76	9.63	100.9	90 - 110	
205 Tl	165	1	0.02	ppb	4.19	0.02	106.0	90 - 110	
208 Pb	165	1	0.04	ppb	4.50	0.03	128.5	90 - 110	
232 Th	165	1	0.02	ppb	18.36	0.01	130.2	90 - 110	
238 U	165	1	1.82	ppb	1.08	1.85	98.6	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	285200	1.22	321726	88.6	30 - 120	
45 Sc	1	1743516	1.26	2080908	83.8	30 - 120	
72 Ge	1	1038962	1.34	1293904	80.3	30 - 120	
115 In	1	3528189	0.69	4281452	82.4	30 - 120	
165 Ho	1	6808555	0.47	7865767	86.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\232PDS.D\232PDS.D#
Date Acquired: Apr 3 2012 04:20 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-6-b PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 4209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	189.80	0.02	ppb	2.32	200	94.9	75 - 125	
51 V	72	1	202.20	2.60	ppb	0.88	200	99.8	75 - 125	
52 Cr	72	1	194.00	0.40	ppb	0.94	200	96.8	75 - 125	
55 Mn	72	1	197.00	3.86	ppb	1.69	200	96.6	75 - 125	
59 Co	72	1	188.90	0.33	ppb	1.55	200	94.3	75 - 125	
60 Ni	72	1	199.70	11.12	ppb	1.58	200	94.6	75 - 125	
63 Cu	72	1	179.60	2.58	ppb	2.71	200	88.7	75 - 125	
66 Zn	72	1	202.30	14.19	ppb	0.61	200	94.4	75 - 125	
75 As	72	1	214.50	1.20	ppb	0.51	200	106.6	75 - 125	
78 Se	72	1	218.50	7.07	ppb	1.93	200	105.5	75 - 125	
95 Mo	72	1	204.70	2.67	ppb	1.39	200	101.0	75 - 125	
107 Ag	115	1	43.84	0.00	ppb	0.61	50	87.7	75 - 125	
111 Cd	115	1	196.20	4.69	ppb	0.19	200	95.9	75 - 125	
118 Sn	115	1	190.50	0.42	ppb	0.55	200	95.0	75 - 125	
121 Sb	115	1	193.80	0.36	ppb	0.39	200	96.7	75 - 125	
137 Ba	115	1	248.80	48.15	ppb	0.74	200	100.3	75 - 125	
205 Tl	165	1	188.10	0.11	ppb	0.19	200	94.0	75 - 125	
208 Pb	165	1	180.50	0.17	ppb	0.59	200	90.2	75 - 125	
232 Th	165	1	0.05	0.06	ppb	2.12	200	0.0	75 - 125	
238 U	165	1	210.80	9.24	ppb	0.21	200	100.7	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	277139	0.61	321726	86.1	30 - 120	
45 Sc	1	1692239	1.58	2080908	81.3	30 - 120	
72 Ge	1	969662	0.65	1293904	74.9	30 - 120	
115 In	1	3383782	0.32	4281452	79.0	30 - 120	
165 Ho	1	6660683	0.37	7865767	84.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\233_MS.D\233_MS.D#
Date Acquired: Apr 3 2012 04:22 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-6-c ms
Misc Info: MATRIX SPIKE
Vial Number: 4210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	40.65	0.02	ppb	2.29	40	101.6	50 - 150	
51 V	72	1	46.07	2.60	ppb	0.43	40	108.2	50 - 150	
52 Cr	72	1	41.87	0.40	ppb	0.83	40	103.6	50 - 150	
55 Mn	72	1	45.04	3.86	ppb	1.35	40	102.7	50 - 150	
59 Co	72	1	42.46	0.33	ppb	1.75	40	105.3	50 - 150	
60 Ni	72	1	50.40	11.12	ppb	1.05	40	98.6	50 - 150	
63 Cu	72	1	40.41	2.58	ppb	0.77	40	94.9	50 - 150	
66 Zn	72	1	54.42	14.19	ppb	1.31	40	100.4	50 - 150	
75 As	72	1	46.63	1.20	ppb	0.98	40	113.2	50 - 150	
78 Se	72	1	52.95	7.07	ppb	3.67	40	112.5	50 - 150	
95 Mo	72	1	45.71	2.67	ppb	0.76	40	107.1	50 - 150	
107 Ag	115	1	36.87	0.00	ppb	0.83	40	92.2	50 - 150	
111 Cd	115	1	45.21	4.69	ppb	0.59	40	101.2	50 - 150	
118 Sn	115	1	40.73	0.42	ppb	1.15	40	100.8	50 - 150	
121 Sb	115	1	41.15	0.36	ppb	0.99	40	102.0	50 - 150	
137 Ba	115	1	89.87	48.15	ppb	0.52	40	102.0	50 - 150	
205 Tl	165	1	42.04	0.11	ppb	1.08	40	104.8	50 - 150	
208 Pb	165	1	39.76	0.17	ppb	1.13	40	99.0	50 - 150	
232 Th	165	1	46.22	0.06	ppb	0.40	40	115.4	50 - 150	
238 U	165	1	54.67	9.24	ppb	0.69	40	111.0	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	278190	0.59	321726	86.5	30 - 120	
45 Sc	1	1691294	0.87	2080908	81.3	30 - 120	
72 Ge	1	969759	0.91	1293904	74.9	30 - 120	
115 In	1	3376813	0.75	4281452	78.9	30 - 120	
165 Ho	1	6616388	1.01	7865767	84.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\234_MSD.D\234_MSD.D#
Date Acquired: Apr 3 2012 04:25 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-6-d msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 4211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\233_MS.D\233_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	39.47	ppb	4.99	40.65	2.95	20	
51 V	72	1	45.31	ppb	2.77	46.07	1.66	20	
52 Cr	72	1	41.24	ppb	3.02	41.87	1.52	20	
55 Mn	72	1	44.67	ppb	2.63	45.04	0.82	20	
59 Co	72	1	41.96	ppb	1.44	42.46	1.18	20	
60 Ni	72	1	50.00	ppb	1.55	50.40	0.80	20	
63 Cu	72	1	40.21	ppb	1.70	40.41	0.50	20	
66 Zn	72	1	55.75	ppb	2.29	54.42	2.41	20	
75 As	72	1	45.94	ppb	3.43	46.63	1.49	20	
78 Se	72	1	51.41	ppb	1.48	52.95	2.95	20	
95 Mo	72	1	44.54	ppb	1.62	45.71	2.59	20	
107 Ag	115	1	36.30	ppb	1.45	36.87	1.56	20	
111 Cd	115	1	44.56	ppb	0.58	45.21	1.45	20	
118 Sn	115	1	39.70	ppb	0.65	40.73	2.56	20	
121 Sb	115	1	40.24	ppb	0.44	41.15	2.24	20	
137 Ba	115	1	89.16	ppb	0.83	89.87	0.79	20	
205 Tl	165	1	41.49	ppb	1.27	42.04	1.32	20	
208 Pb	165	1	39.19	ppb	1.06	39.76	1.44	20	
232 Th	165	1	45.25	ppb	0.36	46.22	2.12	20	
238 U	165	1	53.57	ppb	0.77	54.67	2.03	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	279341	0.82	321726	86.8	30 - 120	
45 Sc	1	1681387	0.59	2080908	80.8	30 - 120	
72 Ge	1	964352	2.40	1293904	74.5	30 - 120	
115 In	1	3374308	0.82	4281452	78.8	30 - 120	
165 Ho	1	6616212	0.75	7865767	84.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\235_CCV.D\235_CCV.D#
Date Acquired: Apr 3 2012 04:28 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	46.94	ppb	0.61	50	93.9	90 - 110	
51 V	72	1	49.78	ppb	3.13	50	99.6	90 - 110	
52 Cr	72	1	51.22	ppb	2.33	50	102.4	90 - 110	
55 Mn	72	1	52.31	ppb	0.90	50	104.6	90 - 110	
59 Co	72	1	51.58	ppb	0.76	50	103.2	90 - 110	
60 Ni	72	1	48.94	ppb	0.94	50	97.9	90 - 110	
63 Cu	72	1	48.78	ppb	1.36	50	97.6	90 - 110	
66 Zn	72	1	50.52	ppb	0.96	50	101.0	90 - 110	
75 As	72	1	49.95	ppb	0.90	50	99.9	90 - 110	
78 Se	72	1	51.75	ppb	3.69	50	103.5	90 - 110	
95 Mo	72	1	49.92	ppb	1.74	50	99.8	90 - 110	
107 Ag	115	1	50.02	ppb	1.58	50	100.0	90 - 110	
111 Cd	115	1	49.61	ppb	1.29	50	99.2	90 - 110	
118 Sn	115	1	48.59	ppb	1.66	50	97.2	90 - 110	
121 Sb	115	1	48.39	ppb	0.68	50	96.8	90 - 110	
137 Ba	115	1	49.91	ppb	1.16	50	99.8	90 - 110	
205 Tl	165	1	53.68	ppb	1.35	50	107.4	90 - 110	
208 Pb	165	1	51.66	ppb	0.35	50	103.3	90 - 110	
232 Th	165	1	53.23	ppb	1.06	50	106.5	90 - 110	
238 U	165	1	53.45	ppb	1.18	50	106.9	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	285061	0.25	321726	88.6	30 - 120	
45 Sc	1	1697225	0.33	2080908	81.6	30 - 120	
72 Ge	1	1021579	1.04	1293904	79.0	30 - 120	
115 In	1	3605924	0.45	4281452	84.2	30 - 120	
165 Ho	1	6857509	1.01	7865767	87.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\236_CCB.D\236_CCB.D#
Date Acquired: Apr 3 2012 04:31 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.001	ppb	1276.40	1.00	
51 V	72	1	0.020	ppb	15.14	1.00	
52 Cr	72	1	0.011	ppb	43.53	1.00	
55 Mn	72	1	0.051	ppb	13.26	1.00	
59 Co	72	1	0.009	ppb	24.85	1.00	
60 Ni	72	1	0.015	ppb	66.56	1.00	
63 Cu	72	1	0.091	ppb	15.67	1.00	
66 Zn	72	1	0.095	ppb	15.51	1.00	
75 As	72	1	0.005	ppb	261.85	1.00	
78 Se	72	1	0.102	ppb	230.74	1.00	
95 Mo	72	1	0.002	ppb	630.14	1.00	
107 Ag	115	1	0.016	ppb	22.08	1.00	
111 Cd	115	1	0.014	ppb	30.34	1.00	
118 Sn	115	1	0.050	ppb	19.19	1.00	
121 Sb	115	1	0.062	ppb	2.08	1.00	
137 Ba	115	1	0.025	ppb	14.38	1.00	
205 Tl	165	1	0.028	ppb	18.02	1.00	
208 Pb	165	1	0.016	ppb	7.11	1.00	
232 Th	165	1	0.063	ppb	12.71	1.00	
238 U	165	1	0.017	ppb	6.70	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	277806	0.70	321726	86.3	30 - 120	
45 Sc	1	1698143	1.27	2080908	81.6	30 - 120	
72 Ge	1	1015674	0.32	1293904	78.5	30 - 120	
115 In	1	3592699	0.84	4281452	83.9	30 - 120	
165 Ho	1	6800681	0.69	7865767	86.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\237SMPL.D\237SMPL.D#
Date Acquired: Apr 3 2012 04:34 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-7-b
Misc Info:
Vial Number: 4212
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	933.03	3600	
51 V	72	1	1.93	1.93	ppb	2.65	3600	
52 Cr	72	1	0.74	0.74	ppb	3.29	3600	
55 Mn	72	1	1.51	1.51	ppb	3.12	18000	
59 Co	72	1	0.18	0.18	ppb	7.76	3600	
60 Ni	72	1	12.09	12.09	ppb	0.59	3600	
63 Cu	72	1	2.06	2.06	ppb	2.96	3600	
66 Zn	72	1	6.32	6.32	ppb	2.34	3600	
75 As	72	1	0.76	0.76	ppb	3.48	3600	
78 Se	72	1	2.87	2.87	ppb	19.67	3600	
95 Mo	72	1	0.45	0.45	ppb	9.14	3600	
107 Ag	115	1	0.01	0.01	ppb	33.67	3600	
111 Cd	115	1	0.70	0.70	ppb	3.97	3600	
118 Sn	115	1	0.59	0.59	ppb	9.47	3600	
121 Sb	115	1	0.08	0.08	ppb	5.52	3600	
137 Ba	115	1	31.76	31.76	ppb	0.15	3600	
205 Tl	165	1	0.03	0.03	ppb	10.23	3600	
208 Pb	165	1	0.14	0.14	ppb	23.95	3600	
232 Th	165	1	0.02	0.02	ppb	10.32	1000	
238 U	165	1	4.22	4.22	ppb	1.72	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	261079	0.49	321726	81.1	30 - 120	
45 Sc	1	1591684	1.44	2080908	76.5	30 - 120	
72 Ge	1	894889	1.68	1293904	69.2	30 - 120	
115 In	1	3191791	0.18	4281452	74.5	30 - 120	
165 Ho	1	6408665	0.94	7865767	81.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\238SMPL.D\238SMPL.D#
Date Acquired: Apr 3 2012 04:37 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-8-b
Misc Info:
Vial Number: 4301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.07	0.07	ppb	19.42	3600	
51 V	72	1	1.12	1.12	ppb	1.89	3600	
52 Cr	72	1	0.33	0.33	ppb	6.33	3600	
55 Mn	72	1	66.31	66.31	ppb	0.48	18000	
59 Co	72	1	0.30	0.30	ppb	2.55	3600	
60 Ni	72	1	3.57	3.57	ppb	1.06	3600	
63 Cu	72	1	1.16	1.16	ppb	4.41	3600	
66 Zn	72	1	4.49	4.49	ppb	1.71	3600	
75 As	72	1	1.99	1.99	ppb	1.56	3600	
78 Se	72	1	2.68	2.68	ppb	9.96	3600	
95 Mo	72	1	1.06	1.06	ppb	3.64	3600	
107 Ag	115	1	0.01	0.01	ppb	69.33	3600	
111 Cd	115	1	0.10	0.10	ppb	6.19	3600	
118 Sn	115	1	0.48	0.48	ppb	7.29	3600	
121 Sb	115	1	0.06	0.06	ppb	10.03	3600	
137 Ba	115	1	50.54	50.54	ppb	1.44	3600	
205 Tl	165	1	0.01	0.01	ppb	8.89	3600	
208 Pb	165	1	0.14	0.14	ppb	1.47	3600	
232 Th	165	1	0.12	0.12	ppb	4.48	1000	
238 U	165	1	3.51	3.51	ppb	0.51	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	278354	0.81	321726	86.5	30 - 120	
45 Sc	1	1635293	1.25	2080908	78.6	30 - 120	
72 Ge	1	909900	1.36	1293904	70.3	30 - 120	
115 In	1	3233717	0.94	4281452	75.5	30 - 120	
165 Ho	1	6478211	0.72	7865767	82.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\239SMPL.D\239SMPL.D#
Date Acquired: Apr 3 2012 04:40 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-9-b
Misc Info:
Vial Number: 4302
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.07	0.07	ppb	61.09	3600	
51 V	72	1	0.50	0.50	ppb	10.61	3600	
52 Cr	72	1	0.09	0.09	ppb	16.57	3600	
55 Mn	72	1	42.42	42.42	ppb	0.96	18000	
59 Co	72	1	0.29	0.29	ppb	3.81	3600	
60 Ni	72	1	1.48	1.48	ppb	4.30	3600	
63 Cu	72	1	0.46	0.46	ppb	2.21	3600	
66 Zn	72	1	2.25	2.25	ppb	2.88	3600	
75 As	72	1	4.06	4.06	ppb	1.77	3600	
78 Se	72	1	0.17	0.17	ppb	141.35	3600	
95 Mo	72	1	0.37	0.37	ppb	3.70	3600	
107 Ag	115	1	0.00	0.00	ppb	43.55	3600	
111 Cd	115	1	0.04	0.04	ppb	5.39	3600	
118 Sn	115	1	0.09	0.09	ppb	6.55	3600	
121 Sb	115	1	6.39	6.39	ppb	2.71	3600	
137 Ba	115	1	62.89	62.89	ppb	1.07	3600	
205 Tl	165	1	0.00	0.00	ppb	10.31	3600	
208 Pb	165	1	0.11	0.11	ppb	2.42	3600	
232 Th	165	1	0.04	0.04	ppb	2.14	1000	
238 U	165	1	4.02	4.02	ppb	0.41	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	295771	0.83	321726	91.9	30 - 120	
45 Sc	1	1704138	1.84	2080908	81.9	30 - 120	
72 Ge	1	1003580	0.80	1293904	77.6	30 - 120	
115 In	1	3444097	0.44	4281452	80.4	30 - 120	
165 Ho	1	6708455	0.04	7865767	85.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\240SMPL.D\240SMPL.D#
Date Acquired: Apr 3 2012 04:43 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-10-b
Misc Info:
Vial Number: 4303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.17	0.17	ppb	0.50	3600	
51 V	72	1	2.97	2.97	ppb	2.14	3600	
52 Cr	72	1	0.93	0.93	ppb	3.94	3600	
55 Mn	72	1	87.66	87.66	ppb	1.10	18000	
59 Co	72	1	1.18	1.18	ppb	1.22	3600	
60 Ni	72	1	2.40	2.40	ppb	1.05	3600	
63 Cu	72	1	1.57	1.57	ppb	4.95	3600	
66 Zn	72	1	9.78	9.78	ppb	0.98	3600	
75 As	72	1	5.93	5.93	ppb	1.17	3600	
78 Se	72	1	0.55	0.55	ppb	47.89	3600	
95 Mo	72	1	7.11	7.11	ppb	1.02	3600	
107 Ag	115	1	0.00	0.00	ppb	29.10	3600	
111 Cd	115	1	0.53	0.53	ppb	3.48	3600	
118 Sn	115	1	0.33	0.33	ppb	12.05	3600	
121 Sb	115	1	154.30	154.30	ppb	0.65	3600	
137 Ba	115	1	105.50	105.50	ppb	0.24	3600	
205 Tl	165	1	0.03	0.03	ppb	4.01	3600	
208 Pb	165	1	0.18	0.18	ppb	0.84	3600	
232 Th	165	1	0.10	0.10	ppb	2.24	1000	
238 U	165	1	24.10	24.10	ppb	1.89	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	294038	0.49	321726	91.4	30 - 120	
45 Sc	1	1706742	0.62	2080908	82.0	30 - 120	
72 Ge	1	1008821	1.35	1293904	78.0	30 - 120	
115 In	1	3437687	0.52	4281452	80.3	30 - 120	
165 Ho	1	6782631	0.22	7865767	86.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\241SMPL.D\241SMPL.D#
Date Acquired: Apr 3 2012 04:46 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-11-b
Misc Info:
Vial Number: 4304
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	102.96	3600	
51 V	72	1	0.97	0.97	ppb	1.72	3600	
52 Cr	72	1	1.14	1.14	ppb	3.14	3600	
55 Mn	72	1	15.80	15.80	ppb	1.27	18000	
59 Co	72	1	0.22	0.22	ppb	3.10	3600	
60 Ni	72	1	3.58	3.58	ppb	1.92	3600	
63 Cu	72	1	2.02	2.02	ppb	2.15	3600	
66 Zn	72	1	8.52	8.52	ppb	1.70	3600	
75 As	72	1	0.86	0.86	ppb	2.54	3600	
78 Se	72	1	4.28	4.28	ppb	30.30	3600	
95 Mo	72	1	1.73	1.73	ppb	4.96	3600	
107 Ag	115	1	0.00	0.00	ppb	173.84	3600	
111 Cd	115	1	0.31	0.31	ppb	8.74	3600	
118 Sn	115	1	0.26	0.26	ppb	6.81	3600	
121 Sb	115	1	0.11	0.11	ppb	3.31	3600	
137 Ba	115	1	73.37	73.37	ppb	1.22	3600	
205 Tl	165	1	0.02	0.02	ppb	1.93	3600	
208 Pb	165	1	0.13	0.13	ppb	0.81	3600	
232 Th	165	1	0.06	0.06	ppb	3.33	1000	
238 U	165	1	5.32	5.32	ppb	0.88	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	292298	0.88	321726	90.9	30 - 120	
45 Sc	1	1701457	0.49	2080908	81.8	30 - 120	
72 Ge	1	970756	1.00	1293904	75.0	30 - 120	
115 In	1	3413899	0.67	4281452	79.7	30 - 120	
165 Ho	1	6732271	0.27	7865767	85.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\242SMPL.D\242SMPL.D#
Date Acquired: Apr 3 2012 04:49 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-12-b
Misc Info:
Vial Number: 4305
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	150.57	3600	
51 V	72	1	0.10	0.10	ppb	29.69	3600	
52 Cr	72	1	0.49	0.49	ppb	4.90	3600	
55 Mn	72	1	0.72	0.72	ppb	3.08	18000	
59 Co	72	1	0.02	0.02	ppb	8.41	3600	
60 Ni	72	1	0.20	0.20	ppb	9.31	3600	
63 Cu	72	1	0.74	0.74	ppb	2.79	3600	
66 Zn	72	1	4.53	4.53	ppb	1.11	3600	
75 As	72	1	0.00	0.00	ppb	340.01	3600	
78 Se	72	1	0.23	0.23	ppb	75.17	3600	
95 Mo	72	1	0.20	0.20	ppb	13.81	3600	
107 Ag	115	1	0.00	0.00	ppb	683.34	3600	
111 Cd	115	1	0.01	0.01	ppb	118.61	3600	
118 Sn	115	1	0.03	0.03	ppb	6.72	3600	
121 Sb	115	1	0.03	0.03	ppb	8.69	3600	
137 Ba	115	1	0.20	0.20	ppb	5.45	3600	
205 Tl	165	1	0.00	0.00	ppb	28.41	3600	
208 Pb	165	1	0.05	0.05	ppb	1.71	3600	
232 Th	165	1	0.00	0.00	ppb	14.87	1000	
238 U	165	1	0.01	0.01	ppb	12.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	310221	0.80	321726	96.4	30 - 120	
45 Sc	1	1764242	0.06	2080908	84.8	30 - 120	
72 Ge	1	1086426	1.27	1293904	84.0	30 - 120	
115 In	1	3697970	0.60	4281452	86.4	30 - 120	
165 Ho	1	7060741	0.20	7865767	89.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\243SMPL.D\243SMPL.D#
Date Acquired: Apr 3 2012 04:52 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-13-b
Misc Info:
Vial Number: 4306
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.18	0.18	ppb	7.31	3600	
51 V	72	1	0.92	0.92	ppb	2.16	3600	
52 Cr	72	1	0.17	0.17	ppb	6.92	3600	
55 Mn	72	1	418.50	418.50	ppb	1.96	18000	
59 Co	72	1	7.40	7.40	ppb	2.55	3600	
60 Ni	72	1	21.80	21.80	ppb	2.15	3600	
63 Cu	72	1	1.25	1.25	ppb	3.11	3600	
66 Zn	72	1	7.92	7.92	ppb	3.37	3600	
75 As	72	1	14.15	14.15	ppb	3.16	3600	
78 Se	72	1	0.68	0.68	ppb	59.68	3600	
95 Mo	72	1	1.46	1.46	ppb	4.35	3600	
107 Ag	115	1	0.01	0.01	ppb	29.82	3600	
111 Cd	115	1	0.17	0.17	ppb	31.69	3600	
118 Sn	115	1	0.16	0.16	ppb	1.61	3600	
121 Sb	115	1	18.77	18.77	ppb	0.32	3600	
137 Ba	115	1	25.08	25.08	ppb	0.90	3600	
205 Tl	165	1	0.01	0.01	ppb	3.94	3600	
208 Pb	165	1	0.08	0.08	ppb	2.24	3600	
232 Th	165	1	0.05	0.05	ppb	6.19	1000	
238 U	165	1	33.61	33.61	ppb	0.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	267320	0.55	321726	83.1	30 - 120	
45 Sc	1	1572226	1.14	2080908	75.6	30 - 120	
72 Ge	1	871505	2.16	1293904	67.4	30 - 120	
115 In	1	3108168	0.57	4281452	72.6	30 - 120	
165 Ho	1	6341521	0.71	7865767	80.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\244_CCV.D\244_CCV.D#
Date Acquired: Apr 3 2012 04:55 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	47.03	ppb	4.25	50	94.1	90 - 110	
51 V	72	1	49.87	ppb	3.20	50	99.7	90 - 110	
52 Cr	72	1	50.14	ppb	2.53	50	100.3	90 - 110	
55 Mn	72	1	51.04	ppb	1.95	50	102.1	90 - 110	
59 Co	72	1	50.35	ppb	3.04	50	100.7	90 - 110	
60 Ni	72	1	48.67	ppb	1.80	50	97.3	90 - 110	
63 Cu	72	1	48.16	ppb	3.43	50	96.3	90 - 110	
66 Zn	72	1	50.34	ppb	1.60	50	100.7	90 - 110	
75 As	72	1	48.87	ppb	2.13	50	97.7	90 - 110	
78 Se	72	1	50.29	ppb	1.87	50	100.6	90 - 110	
95 Mo	72	1	49.46	ppb	1.08	50	98.9	90 - 110	
107 Ag	115	1	50.48	ppb	0.91	50	101.0	90 - 110	
111 Cd	115	1	50.47	ppb	0.56	50	100.9	90 - 110	
118 Sn	115	1	49.45	ppb	0.43	50	98.9	90 - 110	
121 Sb	115	1	48.95	ppb	0.35	50	97.9	90 - 110	
137 Ba	115	1	50.78	ppb	0.59	50	101.6	90 - 110	
205 Tl	165	1	54.18	ppb	1.54	50	108.4	90 - 110	
208 Pb	165	1	52.02	ppb	1.78	50	104.0	90 - 110	
232 Th	165	1	53.87	ppb	2.25	50	107.7	90 - 110	
238 U	165	1	53.88	ppb	1.97	50	107.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	312895	1.32	321726	97.3	30 - 120	
45 Sc	1	1784953	1.30	2080908	85.8	30 - 120	
72 Ge	1	1086302	2.61	1293904	84.0	30 - 120	
115 In	1	3725568	0.54	4281452	87.0	30 - 120	
165 Ho	1	7100330	1.16	7865767	90.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\245_CCB.D\245_CCB.D#
Date Acquired: Apr 3 2012 04:58 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Fail

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.004	ppb	219.59	1.00	
51 V	72	1	0.014	ppb	91.53	1.00	
52 Cr	72	1	0.012	ppb	62.04	1.00	
55 Mn	72	1	0.124	ppb	12.80	1.00	
59 Co	72	1	0.009	ppb	29.08	1.00	
60 Ni	72	1	0.013	ppb	50.98	1.00	
63 Cu	72	1	0.228	ppb	6.25	1.00	
66 Zn	72	1	0.141	ppb	4.95	1.00	
75 As	72	1	0.009	ppb	65.97	1.00	
78 Se	72	1	0.088	ppb	104.54	1.00	
95 Mo	72	1	0.008	ppb	50.54	1.00	
107 Ag	115	1	0.013	ppb	9.73	1.00	
111 Cd	115	1	0.024	ppb	35.68	1.00	
118 Sn	115	1	0.037	ppb	21.87	1.00	
121 Sb	115	1	0.049	ppb	5.38	1.00	
137 Ba	115	1	0.036	ppb	11.20	1.00	
205 Tl	165	1	0.026	ppb	17.34	1.00	
208 Pb	165	1	0.021	ppb	17.97	1.00	
232 Th	165	1	0.059	ppb	12.25	1.00	
238 U	165	1	0.013	ppb	12.26	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	388042	0.65	321726	120.6	30 - 120	ISFail
45 Sc	1	2196025	0.90	2080908	105.5	30 - 120	
72 Ge	1	1370175	0.81	1293904	105.9	30 - 120	
115 In	1	4406733	0.92	4281452	102.9	30 - 120	
165 Ho	1	8183655	1.11	7865767	104.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
1 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

114021-6020 Waters
114023-200.8
114025-Soil

TestAmerica Denver

TestAmerica

ICP/MS Technical Data Review Checklist

Lab Project ID Number(s): see attached cover sheet Check Method/SOP Used: 6020/DV-MT-0018 200.8/DV-MT-0002

Review Items	--- Level 1 --- Yes	No	N/A	Level 2	Comments & Samples Affected
Tune					
1. Tune solution analyzed min. of 4 times for 6020 or 5 times for 200.8?	✓			✓	
2. Tune RSD <5%?	✓			✓	
2. Resolution ≤ 0.9 AMU full width at 10% peak height? NOTE: This also satisfies 200.8, 1.0 AMU at 5% peak height	✓			✓	
Initial Calibration					
1. Done with a minimum of 3 integrations of a high standard and blank?	✓			✓	
2. ICV/CCV run at beginning of run, 10% frequency, and end of run? Results with 10% of expected value?	✓			✓	
3. ICB/CCB run at beginning of run, 10% frequency, and end of run? Results +/- RL	✓			✓	
4. ICSA/AB analyzed at beginning of run and every 12 hours and results 80- 120% of TV?	✓			✓	
5. RL Std analyzed at beginning of run and results +/- 50% of TV(for AFCEE 4.0, DoD V3 +/- 20% of true value)?	✓			✓	
Client Samples & QC Sample Results					
1. Were all samples within linear range, ≤ 90% of LDR for 200.8?	✓			✓	
2. Dilutions due to target elements? ✓ Dilutions for other reasons?	✓			✓	
3. All reported results bracketed by in control QC?	✓			✓	
4. All 6020 internal standards for all analyses 30-120% of intensities in blank or all 200.8 internal standards 60-125%?	✓			✓	
5. Was a 5X serial dilution analyzed for 6020 and, if so, are results ± 10% of original result, if original ≥ 100x MDL?	✓			✓	
6. LCS included in batch and within QC limits?	✓			✓	
7. Method blank included and <1/2RL?	✓			✓	
8. MS and MSD included in batch?	✓			✓	
9. PDS analyzed and recovery 75-125%?	✓			✓	
10. Manual calculations documented properly and checked?	✓			✓	
11. Are non-conformances documented on an NCM?	✓			✓	
12. Is the appropriate raw data included?	✓			✓	
13. Are all results manually entered into LIMS verified? Are all electronic data files archived to the appropriate network locations?	✓			✓	
14. Were special client requirements met?	✓			✓	

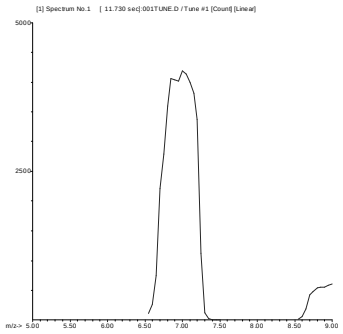
1st Level Reviewer: [signature] Date: 4/3/12

2nd Level Reviewer: [signature] Date: 4/3/12

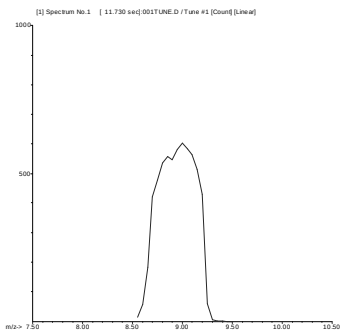
200.8 QC Tune Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\001TUNE.D
Date Acquired: Apr 10 2012 03:57 pm
Acq. Method: tun_isiA.M
Operator: TEL
Sample Name: ITUNE-1336977
Misc Info:
Vial Number: 4
Current Method: C:\ICPCHEM\1\METHODS\tun_isiA.M

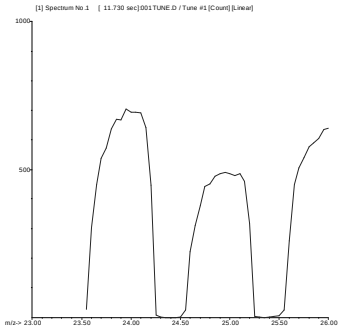
Element	CPS Mean	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	%RSD	Required	Flag
7 Li	42606	42468	42852	42333	42680	42698	**0.48**	5.00	
9 Be	6133	6163	6181	6047	6087	6186	**1.01**	5.00	
24 Mg	38750	37185	38706	38807	38787	40264	**2.81**	5.00	
25 Mg	5524	5531	5369	5603	5521	5598	**1.71**	5.00	
26 Mg	6987	6763	6963	7096	7028	7086	**1.95**	5.00	
59 Co	300651	300174	302042	302492	299264	299282	**0.51**	5.00	
115 In	3450655	3449111	3478331	3424880	3434516	3466439	**0.64**	5.00	
206 Pb	111345	111062	110575	111286	110367	113437	**1.10**	5.00	
207 Pb	98688	98586	99101	98407	100478	96867	**1.32**	5.00	
208 Pb	233833	231510	235250	233033	235064	234309	**0.67**	5.00	
238 U	424048	426543	426522	424241	420596	422339	**0.62**	5.00	



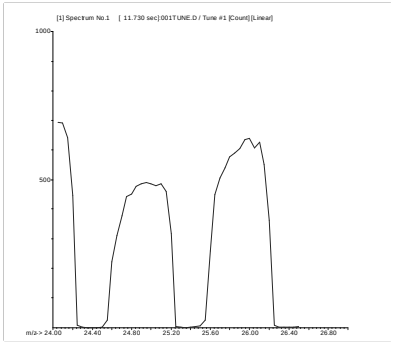
7 Li
Mass Calib.
Actual: 6.95
Range: 6.90 - 7.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



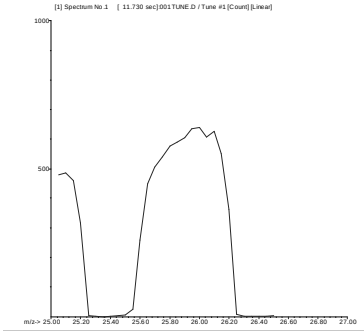
9 Be
Mass Calib.
Actual: 9.00
Range: 8.90 - 9.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



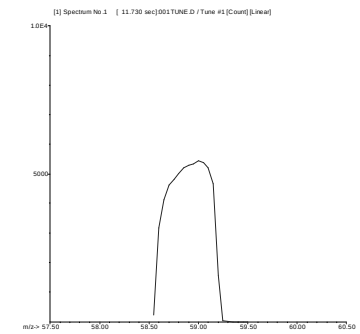
24 Mg
Mass Calib.
Actual: 24.00
Range: 23.90 - 24.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



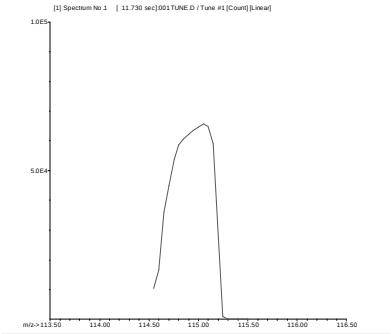
25 Mg
Mass Calib.
Actual: 25.00
Range: 24.90 - 25.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



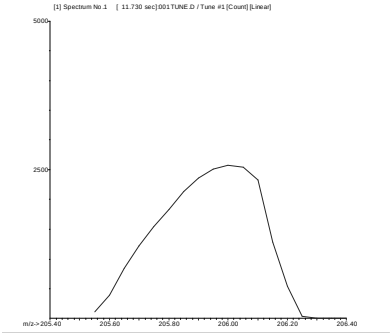
26 Mg
Mass Calib.
Actual: 26.00
Range: 25.90 - 26.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



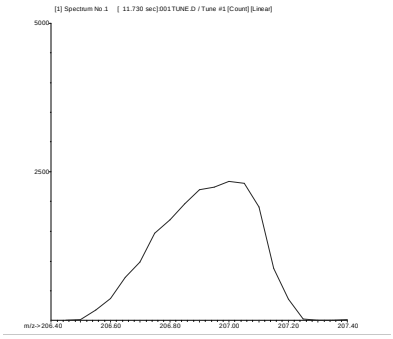
59 Co
Mass Calib.
Actual: 58.95
Range: 58.90 - 59.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



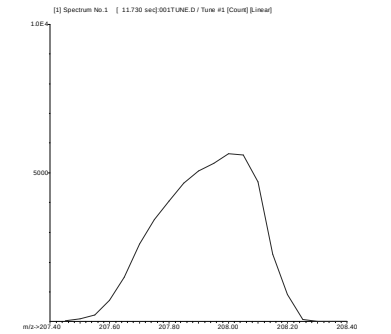
115 In
Mass Calib.
Actual: 115.00
Range: 114.90 - 115.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



206 Pb
Mass Calib.
Actual: 206.00
Range: 205.90 - 206.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



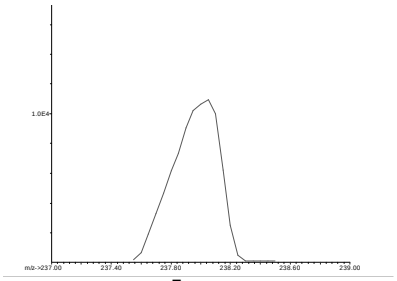
207 Pb
Mass Calib.
Actual: 206.95
Range: 206.90 - 207.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



208 Pb
Mass Calib.
Actual: 208.00
Range: 207.90 - 208.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



238 U
Mass Calib.



Actual: 238.00
Range: 237.90 - 238.10
Flag:

Peak Width

Actual: 0.55
Required:0.90
Flag:

Tune Result: Pass

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\003CAL
Date Acquired: Apr 10 2012 04:03 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1353181
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:01 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	7	86.61
51	V	72	1	-9	3345.40
52	Cr	72	1	2940	3.92
55	Mn	72	1	530	22.24
59	Co	72	1	157	20.52
60	Ni	72	1	120	8.33
63	Cu	72	1	1183	11.26
66	Zn	72	1	448	3.49
75	As	72	1	115	12.38
78	Se	72	1	490	3.53
95	Mo	72	1	277	23.24
107	Ag	115	1	27	78.07
111	Cd	115	1	546	4.37
118	Sn	115	1	517	15.03
121	Sb	115	1	24	20.83
137	Ba	115	1	52	47.91
205	Tl	165	1	172	12.88
208	Pb	165	1	686	9.56
232	Th	165	1	127	32.86
238	U	165	1	52	32.74

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	750540	1.12
45	Sc	1	3329630	1.34
72	Ge	1	1929229	2.00
115	In	1	5867712	0.75
165	Ho	1	11189900	0.45

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\004ICAL.D\004ICAL.D#
Date Acquired: Apr 10 2012 04:06 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1353131
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:04 pm
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	97741	1.48
51 V	72	1	2674043	0.50
52 Cr	72	1	3036423	2.15
55 Mn	72	1	2782253	1.29
59 Co	72	1	4215106	0.49
60 Ni	72	1	1054774	0.97
63 Cu	72	1	2495652	0.23
66 Zn	72	1	405563	0.22
75 As	72	1	298906	0.27
78 Se	72	1	47939	2.73
95 Mo	72	1	1237520	1.18
107 Ag	115	1	3730870	0.65
111 Cd	115	1	616991	0.14
118 Sn	115	1	1663434	0.33
121 Sb	115	1	1659627	1.07
137 Ba	115	1	756848	0.22
205 Tl	165	1	6288219	1.13
208 Pb	165	1	8611966	0.45
232 Th	165	1	8240437	1.57
238 U	165	1	8983251	0.52

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	760877	1.36	750540	101.4	30 - 120	
45 Sc	1	3265543	1.15	3329630	98.1	30 - 120	
72 Ge	1	1929973	1.05	1929229	100.0	30 - 120	
115 In	1	5879405	0.36	5867712	100.2	30 - 120	
165 Ho	1	11186530	0.90	11189902	100.0	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Initial Calibration Verification (ICV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\005_ICV.D\005_ICV.D#
Date Acquired: Apr 10 2012 04:09 pm
Operator: TEL
Sample Name: ICV-1353132
Misc Info:
Vial Number: 2103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: ICV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	39.03	ppb	1.66	40	97.6	90 - 110	
51 V	72	1	40.95	ppb	2.11	40	102.4	90 - 110	
52 Cr	72	1	40.40	ppb	2.44	40	101.0	90 - 110	
55 Mn	72	1	41.20	ppb	2.96	40	103.0	90 - 110	
59 Co	72	1	41.53	ppb	1.90	40	103.8	90 - 110	
60 Ni	72	1	38.97	ppb	3.22	40	97.4	90 - 110	
63 Cu	72	1	40.84	ppb	3.47	40	102.1	90 - 110	
66 Zn	72	1	40.26	ppb	2.33	40	100.7	90 - 110	
75 As	72	1	40.33	ppb	2.38	40	100.8	90 - 110	
78 Se	72	1	39.30	ppb	3.16	40	98.3	90 - 110	
95 Mo	72	1	38.82	ppb	2.54	40	97.1	90 - 110	
107 Ag	115	1	39.99	ppb	0.76	40	100.0	90 - 110	
111 Cd	115	1	39.49	ppb	0.75	40	98.7	90 - 110	
118 Sn	115	1	38.47	ppb	0.42	40	96.2	90 - 110	
121 Sb	115	1	38.32	ppb	0.58	40	95.8	90 - 110	
137 Ba	115	1	39.13	ppb	0.35	40	97.8	90 - 110	
205 Tl	165	1	39.60	ppb	1.19	40	99.0	90 - 110	
208 Pb	165	1	40.48	ppb	0.62	40	101.2	90 - 110	
232 Th	165	1	40.24	ppb	0.70	40	100.6	90 - 110	
238 U	165	1	38.68	ppb	1.29	40	96.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	758168	1.40	750540	101.0	30 - 120	
45 Sc	1	3283780	0.32	3329630	98.6	30 - 120	
72 Ge	1	1924767	2.63	1929229	99.8	30 - 120	
115 In	1	5947394	0.74	5867712	101.4	30 - 120	
165 Ho	1	11126067	0.19	11189902	99.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\006WASH.D\006WASH.D#
Date Acquired: Apr 10 2012 04:11 pm
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.032 ppb	5.99	1.30	
51 V	72	1	5.387 ppb	1.02	6.50	
52 Cr	72	1	2.112 ppb	3.40	2.60	
55 Mn	72	1	1.188 ppb	2.22	1.30	
59 Co	72	1	1.083 ppb	1.16	1.30	
60 Ni	72	1	2.081 ppb	2.03	2.60	
63 Cu	72	1	2.221 ppb	1.09	2.60	
66 Zn	72	1	11.010 ppb	1.87	13.00	
75 As	72	1	5.175 ppb	0.30	6.50	
78 Se	72	1	5.393 ppb	7.17	6.50	
95 Mo	72	1	2.077 ppb	1.34	2.60	
107 Ag	115	1	5.091 ppb	0.99	6.50	
111 Cd	115	1	1.074 ppb	2.63	1.30	
118 Sn	115	1	10.020 ppb	1.01	13.00	
121 Sb	115	1	2.214 ppb	1.58	2.60	
137 Ba	115	1	1.073 ppb	2.63	1.30	
205 Tl	165	1	1.097 ppb	0.26	1.30	
208 Pb	165	1	1.042 ppb	0.89	1.30	
232 Th	165	1	2.116 ppb	1.97	2.60	
238 U	165	1	1.038 ppb	0.53	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	747442	3.66	750540	99.6	30 - 120	
45 Sc	1	3304649	0.33	3329630	99.2	30 - 120	
72 Ge	1	1917238	0.73	1929229	99.4	30 - 120	
115 In	1	5924748	0.89	5867712	101.0	30 - 120	
165 Ho	1	11312427	0.31	11189902	101.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Initial Calibration Blank (ICB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\007_ICB.D\007_ICB.D#
Date Acquired: Apr 10 2012 04:14 pm
Operator: TEL
Sample Name: ICB-1353181
Misc Info:
Vial Number: 2104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: ICB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element		IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9	Be	6	1	0.00	ppb	111120.00	1.00	
51	V	72	1	0.00	ppb	254.73	1.00	
52	Cr	72	1	0.00	ppb	350.48	1.00	
55	Mn	72	1	0.00	ppb	47.13	1.00	
59	Co	72	1	0.00	ppb	256.14	1.00	
60	Ni	72	1	0.00	ppb	122.61	1.00	
63	Cu	72	1	0.00	ppb	1560.20	1.00	
66	Zn	72	1	0.00	ppb	320.51	1.00	
75	As	72	1	0.01	ppb	72.99	1.00	
78	Se	72	1	0.17	ppb	29.97	1.00	
95	Mo	72	1	0.00	ppb	28.60	1.00	
107	Ag	115	1	0.00	ppb	31.59	1.00	
111	Cd	115	1	-0.01	ppb	49.21	1.00	
118	Sn	115	1	0.04	ppb	4.03	1.00	
121	Sb	115	1	0.07	ppb	8.06	1.00	
137	Ba	115	1	0.00	ppb	224.18	1.00	
205	Tl	165	1	0.01	ppb	14.48	1.00	
208	Pb	165	1	0.00	ppb	20.93	1.00	
232	Th	165	1	0.03	ppb	10.59	1.00	
238	U	165	1	0.00	ppb	2.58	1.00	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	746556	1.26	750540	99.5	30 - 120	
45	Sc	1	3310213	1.54	3329630	99.4	30 - 120	
72	Ge	1	1934040	0.69	1929229	100.2	30 - 120	
115	In	1	5924046	0.73	5867712	101.0	30 - 120	
165	Ho	1	11210570	2.02	11189902	100.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

RL STD QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\008RLST.D\008RLST.D#
Date Acquired: Apr 10 2012 04:17 pm
Operator: TEL
Sample Name: CRI-1353175
Misc Info:
Vial Number: 2105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: RLSTD
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	1.07	ppb	6.82	1	106.6	80 - 120	
51 V	72	1	1.06	ppb	2.98	1	105.5	80 - 120	
52 Cr	72	1	1.01	ppb	1.66	1	101.4	80 - 120	
55 Mn	72	1	1.04	ppb	0.41	1	103.8	80 - 120	
59 Co	72	1	1.03	ppb	0.92	1	102.8	80 - 120	
60 Ni	72	1	1.02	ppb	4.13	1	101.7	80 - 120	
63 Cu	72	1	1.03	ppb	1.90	1	102.7	80 - 120	
66 Zn	72	1	10.13	ppb	0.83	10	101.3	80 - 120	
75 As	72	1	0.98	ppb	2.42	1	98.1	80 - 120	
78 Se	72	1	1.05	ppb	13.18	1	104.8	80 - 120	
95 Mo	72	1	1.02	ppb	3.15	1	101.7	80 - 120	
107 Ag	115	1	1.02	ppb	1.75	1	102.1	80 - 120	
111 Cd	115	1	0.99	ppb	3.25	1	99.3	80 - 120	
118 Sn	115	1	9.87	ppb	1.62	10	98.7	80 - 120	
121 Sb	115	1	1.05	ppb	1.41	1	104.8	80 - 120	
137 Ba	115	1	1.03	ppb	0.78	1	103.0	80 - 120	
205 Tl	165	1	1.03	ppb	1.20	1	103.1	80 - 120	
208 Pb	165	1	1.01	ppb	1.13	1	100.8	80 - 120	
232 Th	165	1	1.03	ppb	1.65	1	102.9	80 - 120	
238 U	165	1	1.03	ppb	0.25	1	103.0	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	759210	1.20	750540	101.2	30 - 120	
45 Sc	1	3337716	1.11	3329630	100.2	30 - 120	
72 Ge	1	1928109	0.10	1929229	99.9	30 - 120	
115 In	1	5915819	0.11	5867712	100.8	30 - 120	
165 Ho	1	11238482	0.62	11189902	100.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

AFCEE RL QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\009AFCE.D\009AFCE.D#
Date Acquired: Apr 10 2012 04:20 pm
Operator: TEL
Sample Name: AFCEE RL-1353176
Misc Info:
Vial Number: 2106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: AFCEERL
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	0.21	ppb	2.12	0	98.1	80 - 120	
51 V	72	1	0.19	ppb	13.45	0	87.7	80 - 120	
52 Cr	72	1	0.20	ppb	7.99	0	97.7	80 - 120	
55 Mn	72	1	0.21	ppb	4.23	0	99.6	80 - 120	
59 Co	72	1	0.20	ppb	1.53	0	97.2	80 - 120	
60 Ni	72	1	0.20	ppb	5.08	0	99.5	80 - 120	
63 Cu	72	1	0.20	ppb	1.80	0	96.8	80 - 120	
66 Zn	72	1	2.01	ppb	1.82	2	99.1	80 - 120	
75 As	72	1	0.20	ppb	6.74	0	103.1	80 - 120	
78 Se	72	1	0.15	ppb	30.91	0	73.7	80 - 120	
95 Mo	72	1	0.21	ppb	6.48	0	102.2	80 - 120	
107 Ag	115	1	0.20	ppb	5.35	0	99.3	80 - 120	
111 Cd	115	1	0.22	ppb	5.85	0	109.0	80 - 120	
118 Sn	115	1	1.94	ppb	1.65	2	98.5	80 - 120	
121 Sb	115	1	0.22	ppb	5.17	0	103.3	80 - 120	
137 Ba	115	1	0.20	ppb	4.71	0	97.8	80 - 120	
205 Tl	165	1	0.20	ppb	0.45	0	98.1	80 - 120	
208 Pb	165	1	0.20	ppb	1.72	0	99.8	80 - 120	
232 Th	165	1	0.21	ppb	1.66	0	101.8	80 - 120	
238 U	165	1	0.20	ppb	2.06	0	99.4	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	744495	1.44	750540	99.2	30 - 120	
45 Sc	1	3323912	1.64	3329630	99.8	30 - 120	
72 Ge	1	1928293	0.62	1929229	100.0	30 - 120	
115 In	1	5944256	1.70	5867712	101.3	30 - 120	
165 Ho	1	11169954	0.58	11189902	99.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Interference Check Solution A (ICS-A) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\010ICSA.D\010ICSA.D#
Date Acquired: Apr 10 2012 04:23 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: ICSA-1351810
Misc Info:
Vial Number: 2108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: ICSA
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element		IS Ref	Tune	Conc.	RSD(%)	High Limit ppb	Flag
9	Be	6	1	0.01 ppb	2.19	1.00	
51	V	72	1	-0.03 ppb	203.55	1.00	
52	Cr	72	1	1.16 ppb	1.58	1.00	
55	Mn	72	1	0.46 ppb	4.01	1.00	
59	Co	72	1	0.06 ppb	8.45	1.00	
60	Ni	72	1	0.83 ppb	4.48	1.00	
63	Cu	72	1	0.35 ppb	0.41	1.00	
66	Zn	72	1	2.49 ppb	1.29	10.00	
75	As	72	1	0.54 ppb	2.59	1.00	
78	Se	72	1	0.02 ppb	1095.70	1.00	
95	Mo	72	1	2066.00 ppb	1.68	2000.00	
107	Ag	115	1	0.07 ppb	4.36	1.00	
111	Cd	115	1	0.72 ppb	5.16	1.00	
118	Sn	115	1	0.14 ppb	5.36	10.00	
121	Sb	115	1	0.29 ppb	2.00	1.00	
137	Ba	115	1	0.18 ppb	2.92	1.00	
205	Tl	165	1	0.02 ppb	13.97	1.00	
208	Pb	165	1	0.14 ppb	2.50	1.00	
232	Th	165	1	0.04 ppb	9.03	1.00	
238	U	165	1	0.00 ppb	11.25	1.00	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	626168	0.98	750540	83.4	30 - 120	
45	Sc	1	2549622	1.07	3329630	76.6	30 - 120	
72	Ge	1	1471423	1.42	1929229	76.3	30 - 120	
115	In	1	4702807	0.40	5867712	80.1	30 - 120	
165	Ho	1	9762659	0.74	11189902	87.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Nnumber of ISTD Failures Allowed

Interference Check Solution AB (ICS-AB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\011ICSB.D\011ICSB.D#
Date Acquired: Apr 10 2012 04:26 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: ICSAB-1353178
Misc Info:
Vial Number: 2109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: ICSAB
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	%Recovery	QC Range(%)	Flag
9 Be	6	1	101.10	1.89	100	101.1	80 - 120	
51 V	72	1	101.10	0.69	100	101.1	80 - 120	
52 Cr	72	1	97.92	0.14	100	97.9	80 - 120	
55 Mn	72	1	97.13	1.85	100	97.1	80 - 120	
59 Co	72	1	95.62	0.46	100	95.6	80 - 120	
60 Ni	72	1	88.70	1.16	100	88.7	80 - 120	
63 Cu	72	1	88.44	0.59	100	88.4	80 - 120	
66 Zn	72	1	97.10	0.91	100	97.1	80 - 120	
75 As	72	1	101.40	0.63	100	101.4	80 - 120	
78 Se	72	1	102.60	2.48	100	102.6	80 - 120	
95 Mo	72	1	2149.00	0.87	2100	102.3	80 - 120	
107 Ag	115	1	88.17	0.51	100	88.2	80 - 120	
111 Cd	115	1	96.56	0.55	100	96.6	80 - 120	
118 Sn	115	1	101.60	0.96	100	101.6	80 - 120	
121 Sb	115	1	104.20	1.04	100	104.2	80 - 120	
137 Ba	115	1	104.30	0.60	100	104.3	80 - 120	
205 Tl	165	1	97.58	1.45	100	97.6	80 - 120	
208 Pb	165	1	96.51	0.95	100	96.5	80 - 120	
232 Th	165	1	111.30	0.77	100	111.3	80 - 120	
238 U	165	1	111.10	0.35	100	111.1	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	628852	1.13	750540	83.8	30 - 120	
45 Sc	1	2463581	0.71	3329630	74.0	30 - 120	
72 Ge	1	1466845	1.06	1929229	76.0	30 - 120	
115 In	1	4597069	0.64	5867712	78.3	30 - 120	
165 Ho	1	9700058	1.01	11189902	86.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\012WASH.D\012WASH.D#
Date Acquired: Apr 10 2012 04:29 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.003 ppb	187.92	1.30	
51 V	72	1	-0.007 ppb	239.44	6.50	
52 Cr	72	1	-0.003 ppb	170.70	2.60	
55 Mn	72	1	0.002 ppb	111.99	1.30	
59 Co	72	1	0.002 ppb	42.02	1.30	
60 Ni	72	1	0.005 ppb	70.89	2.60	
63 Cu	72	1	0.007 ppb	47.04	2.60	
66 Zn	72	1	0.014 ppb	88.25	13.00	
75 As	72	1	0.007 ppb	32.17	6.50	
78 Se	72	1	0.099 ppb	104.31	6.50	
95 Mo	72	1	0.326 ppb	15.95	2.60	
107 Ag	115	1	0.006 ppb	33.92	6.50	
111 Cd	115	1	-0.001 ppb	669.54	1.30	
118 Sn	115	1	0.015 ppb	18.24	13.00	
121 Sb	115	1	0.053 ppb	12.50	2.60	
137 Ba	115	1	0.001 ppb	116.81	1.30	
205 Tl	165	1	0.006 ppb	6.70	1.30	
208 Pb	165	1	0.004 ppb	15.30	1.30	
232 Th	165	1	0.048 ppb	20.10	2.60	
238 U	165	1	0.007 ppb	23.14	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	726681	0.56	750540	96.8	30 - 120	
45 Sc	1	3024068	0.76	3329630	90.8	30 - 120	
72 Ge	1	1818988	0.87	1929229	94.3	30 - 120	
115 In	1	5698763	0.08	5867712	97.1	30 - 120	
165 Ho	1	10960341	1.00	11189902	97.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Linear Dynamic Range Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\013_LR.D\013_LR.D#
Date Acquired: Apr 10 2012 04:32 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: LRA-1353179
Misc Info:
Vial Number: 2110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: LR
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc.	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	1017.00 ppb	0.84	1000	101.7	90 - 110	
51 V	72	1	949.80 ppb	0.72	1000	95.0	90 - 110	
52 Cr	72	1	954.80 ppb	1.17	1000	95.5	90 - 110	
55 Mn	72	1	976.90 ppb	0.49	1000	97.7	90 - 110	
59 Co	72	1	989.10 ppb	0.48	1000	98.9	90 - 110	
60 Ni	72	1	946.00 ppb	0.74	1000	94.6	90 - 110	
63 Cu	72	1	953.70 ppb	0.82	1000	95.4	90 - 110	
66 Zn	72	1	992.10 ppb	1.23	1000	99.2	90 - 110	
75 As	72	1	1001.00 ppb	0.49	1000	100.1	90 - 110	
78 Se	72	1	989.20 ppb	0.42	1000	98.9	90 - 110	
95 Mo	72	1	966.90 ppb	0.78	1000	96.7	90 - 110	
107 Ag	115	1	974.20 ppb	0.98	1000	97.4	90 - 110	
111 Cd	115	1	967.90 ppb	0.65	1000	96.8	90 - 110	
118 Sn	115	1	953.50 ppb	0.85	1000	95.4	90 - 110	
121 Sb	115	1	965.90 ppb	0.48	1000	96.6	90 - 110	
137 Ba	115	1	988.70 ppb	0.43	1000	98.9	90 - 110	
205 Tl	165	1	980.60 ppb	0.82	1000	98.1	90 - 110	
208 Pb	165	1	973.20 ppb	0.62	1000	97.3	90 - 110	
232 Th	165	1	1004.00 ppb	0.34	1000	100.4	90 - 110	
238 U	165	1	999.60 ppb	1.52	1000	100.0	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	682339	1.22	750540	90.9	30 - 120	
45 Sc	1	2972877	0.28	3329630	89.3	30 - 120	
72 Ge	1	1768266	0.56	1929229	91.7	30 - 120	
115 In	1	5548848	0.86	5867712	94.6	30 - 120	
165 Ho	1	10942217	0.73	11189902	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\014WASH.D\014WASH.D#
Date Acquired: Apr 10 2012 04:34 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.175 ppb	35.47	1.30	
51 V	72	1	0.151 ppb	16.59	6.50	
52 Cr	72	1	0.153 ppb	2.77	2.60	
55 Mn	72	1	0.160 ppb	6.85	1.30	
59 Co	72	1	0.161 ppb	1.44	1.30	
60 Ni	72	1	0.149 ppb	12.46	2.60	
63 Cu	72	1	0.160 ppb	4.35	2.60	
66 Zn	72	1	0.166 ppb	2.97	13.00	
75 As	72	1	0.162 ppb	6.94	6.50	
78 Se	72	1	0.197 ppb	127.69	6.50	
95 Mo	72	1	0.285 ppb	8.53	2.60	
107 Ag	115	1	0.182 ppb	1.59	6.50	
111 Cd	115	1	0.158 ppb	9.61	1.30	
118 Sn	115	1	0.377 ppb	4.72	13.00	
121 Sb	115	1	0.643 ppb	4.62	2.60	
137 Ba	115	1	0.152 ppb	2.27	1.30	
205 Tl	165	1	0.264 ppb	10.79	1.30	
208 Pb	165	1	0.157 ppb	2.83	1.30	
232 Th	165	1	0.368 ppb	9.49	2.60	
238 U	165	1	0.188 ppb	4.53	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	698194	1.21	750540	93.0	30 - 120	
45 Sc	1	3125545	1.66	3329630	93.9	30 - 120	
72 Ge	1	1836888	1.02	1929229	95.2	30 - 120	
115 In	1	5733335	0.59	5867712	97.7	30 - 120	
165 Ho	1	11001292	0.80	11189902	98.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\015_CCV.D\015_CCV.D#
Date Acquired: Apr 10 2012 04:37 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.29	ppb	1.41	50	102.6	90 - 110	
51 V	72	1	50.53	ppb	2.59	50	101.1	90 - 110	
52 Cr	72	1	50.93	ppb	1.35	50	101.9	90 - 110	
55 Mn	72	1	51.62	ppb	0.96	50	103.2	90 - 110	
59 Co	72	1	51.07	ppb	1.30	50	102.1	90 - 110	
60 Ni	72	1	48.30	ppb	1.47	50	96.6	90 - 110	
63 Cu	72	1	50.37	ppb	0.33	50	100.7	90 - 110	
66 Zn	72	1	50.31	ppb	0.51	50	100.6	90 - 110	
75 As	72	1	50.16	ppb	0.42	50	100.3	90 - 110	
78 Se	72	1	50.81	ppb	1.12	50	101.6	90 - 110	
95 Mo	72	1	48.42	ppb	0.65	50	96.8	90 - 110	
107 Ag	115	1	50.35	ppb	0.73	50	100.7	90 - 110	
111 Cd	115	1	49.66	ppb	1.22	50	99.3	90 - 110	
118 Sn	115	1	48.52	ppb	1.24	50	97.0	90 - 110	
121 Sb	115	1	48.78	ppb	1.12	50	97.6	90 - 110	
137 Ba	115	1	50.19	ppb	1.18	50	100.4	90 - 110	
205 Tl	165	1	50.40	ppb	0.87	50	100.8	90 - 110	
208 Pb	165	1	50.68	ppb	0.26	50	101.4	90 - 110	
232 Th	165	1	49.91	ppb	0.97	50	99.8	90 - 110	
238 U	165	1	50.54	ppb	0.62	50	101.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	708222	0.38	750540	94.4	30 - 120	
45 Sc	1	3198582	0.79	3329630	96.1	30 - 120	
72 Ge	1	1872312	0.58	1929229	97.0	30 - 120	
115 In	1	5826188	1.28	5867712	99.3	30 - 120	
165 Ho	1	11068091	0.78	11189902	98.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\016_CCB.D\016_CCB.D#
Date Acquired: Apr 10 2012 04:40 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.015	ppb	72.06	1.00	
51 V	72	1	0.014	ppb	28.85	1.00	
52 Cr	72	1	0.012	ppb	51.23	1.00	
55 Mn	72	1	0.012	ppb	38.79	1.00	
59 Co	72	1	0.014	ppb	10.40	1.00	
60 Ni	72	1	0.012	ppb	34.37	1.00	
63 Cu	72	1	0.015	ppb	68.61	1.00	
66 Zn	72	1	0.030	ppb	36.84	1.00	
75 As	72	1	0.023	ppb	19.63	1.00	
78 Se	72	1	0.106	ppb	117.61	1.00	
95 Mo	72	1	0.052	ppb	21.39	1.00	
107 Ag	115	1	0.022	ppb	7.45	1.00	
111 Cd	115	1	0.015	ppb	17.14	1.00	
118 Sn	115	1	0.072	ppb	4.60	1.00	
121 Sb	115	1	0.130	ppb	5.05	1.00	
137 Ba	115	1	0.014	ppb	33.21	1.00	
205 Tl	165	1	0.038	ppb	15.24	1.00	
208 Pb	165	1	0.017	ppb	7.29	1.00	
232 Th	165	1	0.091	ppb	6.76	1.00	
238 U	165	1	0.017	ppb	8.86	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	715220	1.07	750540	95.3	30 - 120	
45 Sc	1	3201222	0.50	3329630	96.1	30 - 120	
72 Ge	1	1892407	1.75	1929229	98.1	30 - 120	
115 In	1	5879498	0.68	5867712	100.2	30 - 120	
165 Ho	1	11188525	1.07	11189902	100.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\017WASH.D\017WASH.D#
Date Acquired: Apr 10 2012 04:43 pm
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.146 ppb	15.91	1.30	
51 V	72	1	5.338 ppb	1.13	6.50	
52 Cr	72	1	2.071 ppb	0.48	2.60	
55 Mn	72	1	1.183 ppb	2.11	1.30	
59 Co	72	1	1.084 ppb	2.14	1.30	
60 Ni	72	1	2.029 ppb	0.91	2.60	
63 Cu	72	1	2.164 ppb	0.57	2.60	
66 Zn	72	1	10.840 ppb	0.29	13.00	
75 As	72	1	5.189 ppb	1.16	6.50	
78 Se	72	1	5.337 ppb	1.18	6.50	
95 Mo	72	1	2.090 ppb	1.57	2.60	
107 Ag	115	1	5.144 ppb	1.96	6.50	
111 Cd	115	1	1.087 ppb	2.10	1.30	
118 Sn	115	1	10.100 ppb	1.47	13.00	
121 Sb	115	1	2.132 ppb	0.72	2.60	
137 Ba	115	1	1.074 ppb	2.47	1.30	
205 Tl	165	1	1.085 ppb	0.42	1.30	
208 Pb	165	1	1.059 ppb	0.69	1.30	
232 Th	165	1	2.113 ppb	2.73	2.60	
238 U	165	1	1.041 ppb	0.77	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	729274	2.02	750540	97.2	30 - 120	
45 Sc	1	3269847	0.30	3329630	98.2	30 - 120	
72 Ge	1	1906770	1.05	1929229	98.8	30 - 120	
115 In	1	5897915	1.62	5867712	100.5	30 - 120	
165 Ho	1	11156892	0.34	11189902	99.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\018_BLK.D\018_BLK.D#
Date Acquired: Apr 10 2012 04:46 pm
Operator: TEL
Sample Name: mb 280-114586/1-a
Misc Info: BLANK 114586 DoD4/6020
Vial Number: 2201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.007 ppb	0.00	2.00	
51 V	72	1	0.004 ppb	128.14	2.00	
52 Cr	72	1	0.043 ppb	12.42	2.00	
55 Mn	72	1	0.018 ppb	11.83	2.00	
59 Co	72	1	0.002 ppb	47.92	2.00	
60 Ni	72	1	0.008 ppb	50.34	2.00	
63 Cu	72	1	0.046 ppb	8.81	2.00	
66 Zn	72	1	1.004 ppb	3.83	2.00	
75 As	72	1	0.020 ppb	14.45	2.00	
78 Se	72	1	0.140 ppb	23.81	2.00	
95 Mo	72	1	0.031 ppb	13.03	2.00	
107 Ag	115	1	0.010 ppb	15.48	2.00	
111 Cd	115	1	0.020 ppb	31.31	2.00	
118 Sn	115	1	0.058 ppb	9.74	2.00	
121 Sb	115	1	0.057 ppb	3.30	2.00	
137 Ba	115	1	0.012 ppb	31.65	2.00	
205 Tl	165	1	0.026 ppb	9.74	2.00	
208 Pb	165	1	0.033 ppb	6.66	2.00	
232 Th	165	1	0.037 ppb	3.87	2.00	
238 U	165	1	0.006 ppb	5.55	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	744425	1.81	750540	99.2	30 - 120	
45 Sc	1	3350091	2.00	3329630	100.6	30 - 120	
72 Ge	1	1928528	0.90	1929229	100.0	30 - 120	
115 In	1	5979168	0.95	5867712	101.9	30 - 120	
165 Ho	1	11350984	1.32	11189902	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\019_LCS.D\019_LCS.D#
Date Acquired: Apr 10 2012 04:49 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-114586/2-a
Misc Info: LCS
Vial Number: 2202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	41.36	3.53	40	103.4	80 - 120	
51 V	72	1	42.04	1.03	40	105.1	80 - 120	
52 Cr	72	1	42.01	1.11	40	105.0	80 - 120	
55 Mn	72	1	43.29	0.26	40	108.2	80 - 120	
59 Co	72	1	42.56	1.54	40	106.4	80 - 120	
60 Ni	72	1	39.75	0.19	40	99.4	80 - 120	
63 Cu	72	1	42.38	0.63	40	106.0	80 - 120	
66 Zn	72	1	40.88	0.53	40	102.2	80 - 120	
75 As	72	1	39.95	0.36	40	99.9	80 - 120	
78 Se	72	1	39.22	0.32	40	98.1	80 - 120	
95 Mo	72	1	41.09	0.68	40	102.7	80 - 120	
107 Ag	115	1	41.73	0.53	40	104.3	80 - 120	
111 Cd	115	1	39.75	0.22	40	99.4	80 - 120	
118 Sn	115	1	40.97	0.52	40	102.4	80 - 120	
121 Sb	115	1	39.91	0.16	40	99.8	80 - 120	
137 Ba	115	1	41.68	0.55	40	104.2	80 - 120	
205 Tl	165	1	42.19	1.05	40	105.5	80 - 120	
208 Pb	165	1	41.78	1.54	40	104.5	80 - 120	
232 Th	165	1	41.42	1.73	40	103.6	80 - 120	
238 U	165	1	41.67	1.54	40	104.2	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	738205	0.61	750540	98.4	30 - 120	
45 Sc	1	3335085	1.44	3329630	100.2	30 - 120	
72 Ge	1	1937650	0.84	1929229	100.4	30 - 120	
115 In	1	6000223	0.54	5867712	102.3	30 - 120	
165 Ho	1	11245266	0.81	11189902	100.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Labratory Control Spike Duplicate Sample (LCSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\020LCSD.D\020LCSD.D#
Date Acquired: Apr 10 2012 04:52 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcsd 280-114586/3-a
Misc Info: LCSD
Vial Number: 2203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: LCSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG041012.B\019_LCS.D\019_LCS.D#

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	Ref Conc	(%)Dif	Max(%)Dif	Flag
9 Be	6	1	39.49 ppb	3.58	41.36	4.63	2000	
51 V	72	1	42.91 ppb	1.69	42.04	2.05	2000	
52 Cr	72	1	42.32 ppb	1.62	42.01	0.74	2000	
55 Mn	72	1	43.21 ppb	1.19	43.29	0.18	2000	
59 Co	72	1	43.39 ppb	0.98	42.56	1.93	2000	
60 Ni	72	1	39.89 ppb	0.94	39.75	0.35	2000	
63 Cu	72	1	42.54 ppb	1.70	42.38	0.38	2000	
66 Zn	72	1	41.03 ppb	0.57	40.88	0.37	2000	
75 As	72	1	40.01 ppb	0.47	39.95	0.15	2000	
78 Se	72	1	39.84 ppb	2.15	39.22	1.57	2000	
95 Mo	72	1	41.06 ppb	0.09	41.09	0.07	2000	
107 Ag	115	1	41.24 ppb	0.48	41.73	1.18	2000	
111 Cd	115	1	39.63 ppb	0.89	39.75	0.30	2000	
118 Sn	115	1	40.58 ppb	0.10	40.97	0.96	2000	
121 Sb	115	1	39.62 ppb	0.28	39.91	0.73	2000	
137 Ba	115	1	41.61 ppb	0.46	41.68	0.17	2000	
205 Tl	165	1	41.44 ppb	0.69	42.19	1.79	2000	
208 Pb	165	1	40.95 ppb	1.00	41.78	2.01	2000	
232 Th	165	1	40.90 ppb	1.74	41.42	1.26	2000	
238 U	165	1	41.46 ppb	1.46	41.67	0.51	2000	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	757421	2.23	750540	100.9	30 - 120	
45 Sc	1	3357165	1.59	3329630	100.8	30 - 120	
72 Ge	1	1921175	0.38	1929229	99.6	30 - 120	
115 In	1	5982675	0.53	5867712	102.0	30 - 120	
165 Ho	1	11414741	0.16	11189902	102.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\021AREF.D\021AREF.D#
Date Acquired: Apr 10 2012 04:54 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-g-11-j
Misc Info:
Vial Number: 2204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	10454.00	3600	
51 V	72	1	0.00	0.00	ppb	1525.50	3600	
52 Cr	72	1	0.07	0.07	ppb	12.04	3600	
55 Mn	72	1	0.17	0.17	ppb	4.53	18000	
59 Co	72	1	0.00	0.00	ppb	19.14	3600	
60 Ni	72	1	0.03	0.03	ppb	0.32	3600	
63 Cu	72	1	0.20	0.20	ppb	5.86	3600	
66 Zn	72	1	1.56	1.56	ppb	0.88	3600	
75 As	72	1	0.01	0.01	ppb	46.69	3600	
78 Se	72	1	0.04	0.04	ppb	276.02	3600	
95 Mo	72	1	0.03	0.03	ppb	13.26	3600	
107 Ag	115	1	0.01	0.01	ppb	31.03	3600	
111 Cd	115	1	0.02	0.02	ppb	51.81	3600	
118 Sn	115	1	0.10	0.10	ppb	5.94	3600	
121 Sb	115	1	0.07	0.07	ppb	7.26	3600	
137 Ba	115	1	0.08	0.08	ppb	5.85	3600	
205 Tl	165	1	0.03	0.03	ppb	21.27	3600	
208 Pb	165	1	0.06	0.06	ppb	7.73	3600	
232 Th	165	1	0.08	0.08	ppb	15.70	1000	
238 U	165	1	0.01	0.01	ppb	5.90	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	744528	1.20	750540	99.2	30 - 120	
45 Sc	1	3400082	1.40	3329630	102.1	30 - 120	
72 Ge	1	1951572	1.20	1929229	101.2	30 - 120	
115 In	1	6073570	0.72	5867712	103.5	30 - 120	
165 Ho	1	11395917	0.78	11189902	101.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\022SDIL.D\022SDIL.D#
Date Acquired: Apr 10 2012 04:57 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-g-11-j SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG041012.B\021AREF.D\021AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.00	ppb	176.30	0.00	-29653.4	90 - 110	
51 V	72	1	0.00	ppb	921.81	0.00	564.5	90 - 110	
52 Cr	72	1	0.01	ppb	43.82	0.01	95.1	90 - 110	
55 Mn	72	1	0.05	ppb	10.64	0.03	151.2	90 - 110	
59 Co	72	1	0.00	ppb	137.74	0.00	80.9	90 - 110	
60 Ni	72	1	0.01	ppb	56.49	0.01	193.9	90 - 110	
63 Cu	72	1	0.05	ppb	4.07	0.04	119.9	90 - 110	
66 Zn	72	1	0.51	ppb	4.07	0.31	163.2	90 - 110	
75 As	72	1	0.01	ppb	49.19	0.00	355.9	90 - 110	
78 Se	72	1	0.07	ppb	129.70	0.01	941.2	90 - 110	
95 Mo	72	1	0.03	ppb	21.57	0.01	477.8	90 - 110	
107 Ag	115	1	0.00	ppb	16.67	0.00	161.5	90 - 110	
111 Cd	115	1	0.00	ppb	324.95	0.00	-55.5	90 - 110	
118 Sn	115	1	0.06	ppb	3.07	0.02	288.4	90 - 110	
121 Sb	115	1	0.03	ppb	3.05	0.01	228.5	90 - 110	
137 Ba	115	1	0.02	ppb	2.08	0.02	124.2	90 - 110	
205 Tl	165	1	0.01	ppb	12.79	0.01	89.1	90 - 110	
208 Pb	165	1	0.02	ppb	4.72	0.01	120.1	90 - 110	
232 Th	165	1	0.02	ppb	14.31	0.02	106.3	90 - 110	
238 U	165	1	0.00	ppb	16.08	0.00	143.8	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	733566	1.43	750540	97.7	30 - 120	
45 Sc	1	3367230	0.50	3329630	101.1	30 - 120	
72 Ge	1	1958776	0.99	1929229	101.5	30 - 120	
115 In	1	6003226	0.66	5867712	102.3	30 - 120	
165 Ho	1	11354966	1.66	11189902	101.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\023PDS.D\023PDS.D#
Date Acquired: Apr 10 2012 05:00 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-g-11-j PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	193.10	0.00	ppb	1.07	200	96.5	75 - 125	
51 V	72	1	194.10	0.00	ppb	0.73	200	97.1	75 - 125	
52 Cr	72	1	195.80	0.07	ppb	1.16	200	97.9	75 - 125	
55 Mn	72	1	200.10	0.17	ppb	0.50	200	100.0	75 - 125	
59 Co	72	1	199.60	0.00	ppb	0.87	200	99.8	75 - 125	
60 Ni	72	1	194.00	0.03	ppb	1.36	200	97.0	75 - 125	
63 Cu	72	1	194.80	0.20	ppb	0.24	200	97.3	75 - 125	
66 Zn	72	1	192.20	1.56	ppb	0.13	200	95.4	75 - 125	
75 As	72	1	191.40	0.01	ppb	0.33	200	95.7	75 - 125	
78 Se	72	1	190.60	0.04	ppb	1.25	200	95.3	75 - 125	
95 Mo	72	1	196.20	0.03	ppb	0.64	200	98.1	75 - 125	
107 Ag	115	1	130.90	0.01	ppb	1.78	50	261.7	75 - 125	
111 Cd	115	1	197.10	0.02	ppb	0.61	200	98.5	75 - 125	
118 Sn	115	1	195.00	0.10	ppb	0.98	200	97.5	75 - 125	
121 Sb	115	1	189.90	0.07	ppb	1.56	200	94.9	75 - 125	
137 Ba	115	1	204.20	0.08	ppb	0.93	200	102.1	75 - 125	
205 Tl	165	1	198.40	0.03	ppb	1.11	200	99.2	75 - 125	
208 Pb	165	1	196.40	0.06	ppb	0.94	200	98.2	75 - 125	
232 Th	165	1	113.70	0.08	ppb	1.64	200	56.8	75 - 125	
238 U	165	1	199.80	0.01	ppb	0.55	200	99.9	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	750777	0.85	750540	100.0	30 - 120	
45 Sc	1	3315658	0.45	3329630	99.6	30 - 120	
72 Ge	1	1931044	0.55	1929229	100.1	30 - 120	
115 In	1	5935191	0.92	5867712	101.2	30 - 120	
165 Ho	1	11207219	1.49	11189902	100.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\024_CCV.D\024_CCV.D#
Date Acquired: Apr 10 2012 05:03 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.14	ppb	1.22	50	100.3	90 - 110	
51 V	72	1	51.02	ppb	1.39	50	102.0	90 - 110	
52 Cr	72	1	50.59	ppb	0.66	50	101.2	90 - 110	
55 Mn	72	1	51.76	ppb	0.86	50	103.5	90 - 110	
59 Co	72	1	51.34	ppb	0.40	50	102.7	90 - 110	
60 Ni	72	1	48.16	ppb	0.59	50	96.3	90 - 110	
63 Cu	72	1	50.99	ppb	0.91	50	102.0	90 - 110	
66 Zn	72	1	50.11	ppb	0.67	50	100.2	90 - 110	
75 As	72	1	50.02	ppb	0.68	50	100.0	90 - 110	
78 Se	72	1	50.20	ppb	0.91	50	100.4	90 - 110	
95 Mo	72	1	48.57	ppb	0.78	50	97.1	90 - 110	
107 Ag	115	1	50.36	ppb	0.91	50	100.7	90 - 110	
111 Cd	115	1	49.27	ppb	1.33	50	98.5	90 - 110	
118 Sn	115	1	48.56	ppb	0.62	50	97.1	90 - 110	
121 Sb	115	1	48.55	ppb	0.81	50	97.1	90 - 110	
137 Ba	115	1	50.11	ppb	1.03	50	100.2	90 - 110	
205 Tl	165	1	50.54	ppb	1.01	50	101.1	90 - 110	
208 Pb	165	1	50.88	ppb	1.29	50	101.8	90 - 110	
232 Th	165	1	49.99	ppb	0.39	50	100.0	90 - 110	
238 U	165	1	50.02	ppb	0.91	50	100.0	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	738673	2.36	750540	98.4	30 - 120	
45 Sc	1	3300576	2.05	3329630	99.1	30 - 120	
72 Ge	1	1914655	1.08	1929229	99.2	30 - 120	
115 In	1	5900976	1.41	5867712	100.6	30 - 120	
165 Ho	1	11127556	0.96	11189902	99.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\025_CCB.D\025_CCB.D#
Date Acquired: Apr 10 2012 05:06 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.007	ppb	223.42	1.00	
51 V	72	1	0.000	ppb	1805.50	1.00	
52 Cr	72	1	0.003	ppb	196.33	1.00	
55 Mn	72	1	0.012	ppb	39.13	1.00	
59 Co	72	1	0.005	ppb	21.99	1.00	
60 Ni	72	1	0.004	ppb	88.53	1.00	
63 Cu	72	1	0.002	ppb	333.22	1.00	
66 Zn	72	1	0.020	ppb	46.59	1.00	
75 As	72	1	0.019	ppb	62.92	1.00	
78 Se	72	1	0.093	ppb	162.98	1.00	
95 Mo	72	1	0.013	ppb	15.75	1.00	
107 Ag	115	1	0.011	ppb	13.07	1.00	
111 Cd	115	1	0.004	ppb	79.93	1.00	
118 Sn	115	1	0.035	ppb	16.91	1.00	
121 Sb	115	1	0.073	ppb	4.39	1.00	
137 Ba	115	1	0.007	ppb	34.99	1.00	
205 Tl	165	1	0.030	ppb	9.88	1.00	
208 Pb	165	1	0.009	ppb	34.05	1.00	
232 Th	165	1	0.081	ppb	3.59	1.00	
238 U	165	1	0.009	ppb	15.79	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	727721	1.16	750540	97.0	30 - 120	
45 Sc	1	3322322	0.38	3329630	99.8	30 - 120	
72 Ge	1	1925570	0.67	1929229	99.8	30 - 120	
115 In	1	5920015	1.27	5867712	100.9	30 - 120	
165 Ho	1	11123787	0.95	11189902	99.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\026_BLK.D\026_BLK.D#
Date Acquired: Apr 10 2012 05:09 pm
Operator: TEL
Sample Name: mb 280-114673/1-a
Misc Info: BLANK 114673 6020
Vial Number: 2207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.008 ppb	164.14	2.00	
51 V	72	1	0.010 ppb	135.28	2.00	
52 Cr	72	1	-0.009 ppb	56.05	2.00	
55 Mn	72	1	0.016 ppb	19.79	2.00	
59 Co	72	1	0.003 ppb	73.30	2.00	
60 Ni	72	1	0.013 ppb	4.52	2.00	
63 Cu	72	1	0.027 ppb	28.71	2.00	
66 Zn	72	1	1.202 ppb	0.87	2.00	
75 As	72	1	0.014 ppb	78.35	2.00	
78 Se	72	1	0.094 ppb	204.66	2.00	
95 Mo	72	1	0.006 ppb	22.04	2.00	
107 Ag	115	1	0.005 ppb	43.95	2.00	
111 Cd	115	1	-0.006 ppb	143.25	2.00	
118 Sn	115	1	0.051 ppb	7.65	2.00	
121 Sb	115	1	0.031 ppb	6.35	2.00	
137 Ba	115	1	0.014 ppb	23.22	2.00	
205 Tl	165	1	0.015 ppb	4.38	2.00	
208 Pb	165	1	0.014 ppb	17.61	2.00	
232 Th	165	1	0.016 ppb	4.14	2.00	
238 U	165	1	0.004 ppb	13.71	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	714656	3.34	750540	95.2	30 - 120	
45 Sc	1	3336894	0.97	3329630	100.2	30 - 120	
72 Ge	1	1947215	0.21	1929229	100.9	30 - 120	
115 In	1	5897821	0.73	5867712	100.5	30 - 120	
165 Ho	1	11220099	1.75	11189902	100.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\027_LCS.D\027_LCS.D#
Date Acquired: Apr 10 2012 05:12 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-114673/2-a
Misc Info: LCS
Vial Number: 2208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	42.31	3.34	40	105.8	80 - 120	
51 V	72	1	40.81	0.62	40	102.0	80 - 120	
52 Cr	72	1	40.47	0.57	40	101.2	80 - 120	
55 Mn	72	1	41.35	1.44	40	103.4	80 - 120	
59 Co	72	1	41.11	1.34	40	102.8	80 - 120	
60 Ni	72	1	38.37	1.14	40	95.9	80 - 120	
63 Cu	72	1	40.74	1.27	40	101.9	80 - 120	
66 Zn	72	1	42.71	0.67	40	106.8	80 - 120	
75 As	72	1	41.71	0.95	40	104.3	80 - 120	
78 Se	72	1	42.42	1.41	40	106.1	80 - 120	
95 Mo	72	1	39.19	1.07	40	98.0	80 - 120	
107 Ag	115	1	40.22	1.51	40	100.6	80 - 120	
111 Cd	115	1	40.31	0.66	40	100.8	80 - 120	
118 Sn	115	1	39.82	1.04	40	99.6	80 - 120	
121 Sb	115	1	40.60	0.85	40	101.5	80 - 120	
137 Ba	115	1	40.56	1.41	40	101.4	80 - 120	
205 Tl	165	1	40.49	0.52	40	101.2	80 - 120	
208 Pb	165	1	40.85	0.94	40	102.1	80 - 120	
232 Th	165	1	39.94	0.22	40	99.9	80 - 120	
238 U	165	1	40.95	1.10	40	102.4	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	722331	1.22	750540	96.2	30 - 120	
45 Sc	1	3268552	0.90	3329630	98.2	30 - 120	
72 Ge	1	1938158	0.23	1929229	100.5	30 - 120	
115 In	1	5917068	1.51	5867712	100.8	30 - 120	
165 Ho	1	11103492	1.34	11189902	99.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\028AREF.D\028AREF.D#
Date Acquired: Apr 10 2012 05:14 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-1-c
Misc Info:
Vial Number: 2209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	5.95	5.95	ppb	9.36	3600	
51 V	72	1	171.90	171.90	ppb	0.82	3600	
52 Cr	72	1	269.30	269.30	ppb	0.43	3600	
55 Mn	72	1	3,623.00	3623.00	ppb	0.91	18000	
59 Co	72	1	88.21	88.21	ppb	0.95	3600	
60 Ni	72	1	162.70	162.70	ppb	0.98	3600	
63 Cu	72	1	115.00	115.00	ppb	0.33	3600	
66 Zn	72	1	345.00	345.00	ppb	1.77	3600	
75 As	72	1	237.60	237.60	ppb	0.70	3600	
78 Se	72	1	10.67	10.67	ppb	2.69	3600	
95 Mo	72	1	8.45	8.45	ppb	1.83	3600	
107 Ag	115	1	0.25	0.25	ppb	6.65	3600	
111 Cd	115	1	2.18	2.18	ppb	2.26	3600	
118 Sn	115	1	0.69	0.69	ppb	4.23	3600	
121 Sb	115	1	0.52	0.52	ppb	2.04	3600	
137 Ba	115	1	1,500.00	1500.00	ppb	0.43	3600	
205 Tl	165	1	3.16	3.16	ppb	0.47	3600	
208 Pb	165	1	91.45	91.45	ppb	0.25	3600	
232 Th	165	1	91.71	91.71	ppb	0.83	1000	
238 U	165	1	63.48	63.48	ppb	1.08	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	477137	0.54	750540	63.6	30 - 120	
45 Sc	1	2428638	0.52	3329630	72.9	30 - 120	
72 Ge	1	1202042	0.63	1929229	62.3	30 - 120	
115 In	1	3642326	0.66	5867712	62.1	30 - 120	
165 Ho	1	7745081	0.68	11189902	69.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\029SDIL.D\029SDIL.D#
Date Acquired: Apr 10 2012 05:17 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-1-c SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG041012.B\028AREF.D\028AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	1.17	ppb	6.21	1.19	98.5	90 - 110	
51 V	72	1	35.76	ppb	2.53	34.38	104.0	90 - 110	
52 Cr	72	1	55.85	ppb	0.56	53.86	103.7	90 - 110	
55 Mn	72	1	728.10	ppb	0.40	724.60	100.5	90 - 110	
59 Co	72	1	18.65	ppb	0.34	17.64	105.7	90 - 110	
60 Ni	72	1	34.94	ppb	1.19	32.54	107.4	90 - 110	
63 Cu	72	1	25.48	ppb	0.64	23.00	110.8	90 - 110	
66 Zn	72	1	76.57	ppb	0.43	69.00	111.0	90 - 110	
75 As	72	1	48.35	ppb	0.27	47.52	101.7	90 - 110	
78 Se	72	1	2.64	ppb	22.83	2.13	123.5	90 - 110	
95 Mo	72	1	1.75	ppb	0.45	1.69	103.3	90 - 110	
107 Ag	115	1	0.05	ppb	8.92	0.05	110.6	90 - 110	
111 Cd	115	1	0.47	ppb	6.11	0.44	107.3	90 - 110	
118 Sn	115	1	0.17	ppb	16.26	0.14	124.4	90 - 110	
121 Sb	115	1	0.13	ppb	1.49	0.10	120.0	90 - 110	
137 Ba	115	1	304.60	ppb	1.63	300.00	101.5	90 - 110	
205 Tl	165	1	0.64	ppb	1.35	0.63	100.8	90 - 110	
208 Pb	165	1	18.47	ppb	1.55	18.29	101.0	90 - 110	
232 Th	165	1	18.77	ppb	2.83	18.34	102.3	90 - 110	
238 U	165	1	12.66	ppb	1.80	12.70	99.7	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	662502	2.55	750540	88.3	30 - 120	
45 Sc	1	2882054	0.60	3329630	86.6	30 - 120	
72 Ge	1	1619757	0.93	1929229	84.0	30 - 120	
115 In	1	4948710	0.44	5867712	84.3	30 - 120	
165 Ho	1	10162965	0.99	11189902	90.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\030PDS.D\030PDS.D#
Date Acquired: Apr 10 2012 05:20 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-1-c PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Spike Ref. File: ---

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	195.90	5.95	ppb	2.04	200	95.1	75 - 125	
51 V	72	1	356.40	171.90	ppb	1.40	200	95.8	75 - 125	
52 Cr	72	1	448.10	269.30	ppb	0.77	200	95.5	75 - 125	
55 Mn	72	1	3698.00	3623.00	ppb	0.59	200	96.7	75 - 125	
59 Co	72	1	261.10	88.21	ppb	0.60	200	90.6	75 - 125	
60 Ni	72	1	319.60	162.70	ppb	0.62	200	88.1	75 - 125	
63 Cu	72	1	261.70	115.00	ppb	0.38	200	83.1	75 - 125	
66 Zn	72	1	497.50	345.00	ppb	0.96	200	91.3	75 - 125	
75 As	72	1	431.50	237.60	ppb	0.37	200	98.6	75 - 125	
78 Se	72	1	203.70	10.67	ppb	1.24	200	96.7	75 - 125	
95 Mo	72	1	218.90	8.44	ppb	0.67	200	105.0	75 - 125	
107 Ag	115	1	40.86	0.25	ppb	0.57	50	81.3	75 - 125	
111 Cd	115	1	180.20	2.18	ppb	0.72	200	89.1	75 - 125	
118 Sn	115	1	198.00	0.69	ppb	1.37	200	98.7	75 - 125	
121 Sb	115	1	205.20	0.52	ppb	1.22	200	102.3	75 - 125	
137 Ba	115	1	1681.00	1500.00	ppb	1.00	200	98.9	75 - 125	
205 Tl	165	1	189.10	3.16	ppb	0.64	200	93.1	75 - 125	
208 Pb	165	1	266.30	91.45	ppb	0.88	200	91.4	75 - 125	
232 Th	165	1	91.74	91.71	ppb	1.59	200	31.4	75 - 125	
238 U	165	1	272.30	63.48	ppb	1.20	200	103.3	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	466107	1.48	750540	62.1	30 - 120	
45 Sc	1	2339952	0.75	3329630	70.3	30 - 120	
72 Ge	1	1164090	0.30	1929229	60.3	30 - 120	
115 In	1	3554449	0.71	5867712	60.6	30 - 120	
165 Ho	1	7617555	0.49	11189902	68.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\031_MS.D\031_MS.D#
Date Acquired: Apr 10 2012 05:23 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-1-d ms
Misc Info: MATRIX SPIKE
Vial Number: 2212
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	45.03	5.95	ppb	1.55	40	98.0	50 - 150	
51 V	72	1	194.20	171.90	ppb	0.33	40	91.6	50 - 150	
52 Cr	72	1	283.70	269.30	ppb	1.02	40	91.7	50 - 150	
55 Mn	72	1	3546.00	3623.00	ppb	0.61	40	96.8	50 - 150	
59 Co	72	1	118.70	88.21	ppb	0.35	40	92.6	50 - 150	
60 Ni	72	1	182.60	162.70	ppb	0.79	40	90.1	50 - 150	
63 Cu	72	1	142.90	115.00	ppb	1.28	40	92.2	50 - 150	
66 Zn	72	1	349.00	345.00	ppb	1.93	40	90.6	50 - 150	
75 As	72	1	251.60	237.60	ppb	0.60	40	90.6	50 - 150	
78 Se	72	1	48.48	10.67	ppb	2.96	40	95.7	50 - 150	
95 Mo	72	1	41.09	8.44	ppb	0.36	40	84.8	50 - 150	
107 Ag	115	1	32.11	0.25	ppb	1.04	40	79.8	50 - 150	
111 Cd	115	1	37.75	2.18	ppb	0.35	40	89.5	50 - 150	
118 Sn	115	1	7.19	0.69	ppb	0.69	40	17.7	50 - 150	
121 Sb	115	1	14.26	0.52	ppb	0.68	40	35.2	50 - 150	
137 Ba	115	1	1321.00	1500.00	ppb	0.91	40	85.8	50 - 150	
205 Tl	165	1	41.16	3.16	ppb	0.54	40	95.4	50 - 150	
208 Pb	165	1	125.50	91.45	ppb	0.48	40	95.5	50 - 150	
232 Th	165	1	129.60	91.71	ppb	1.74	40	98.4	50 - 150	
238 U	165	1	104.20	63.48	ppb	1.00	40	100.7	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	434777	0.94	750540	57.9	30 - 120	
45 Sc	1	2234330	0.51	3329630	67.1	30 - 120	
72 Ge	1	1129256	0.23	1929229	58.5	30 - 120	
115 In	1	3451377	0.81	5867712	58.8	30 - 120	
165 Ho	1	7416550	0.47	11189902	66.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\032_MSD.D\032_MSD.D#
Date Acquired: Apr 10 2012 05:26 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-1-e msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG041012.B\031_MS.D\031_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	45.29	ppb	1.94	45.03	0.58	20	
51 V	72	1	196.80	ppb	0.31	194.20	1.33	20	
52 Cr	72	1	281.60	ppb	0.57	283.70	0.74	20	
55 Mn	72	1	3512.00	ppb	0.33	3546.00	0.96	20	
59 Co	72	1	118.00	ppb	0.30	118.70	0.59	20	
60 Ni	72	1	180.40	ppb	0.73	182.60	1.21	20	
63 Cu	72	1	141.70	ppb	0.41	142.90	0.84	20	
66 Zn	72	1	331.00	ppb	0.40	349.00	5.29	20	
75 As	72	1	239.60	ppb	0.63	251.60	4.89	20	
78 Se	72	1	47.73	ppb	1.33	48.48	1.56	20	
95 Mo	72	1	42.09	ppb	0.84	41.09	2.40	20	
107 Ag	115	1	32.18	ppb	0.83	32.11	0.22	20	
111 Cd	115	1	37.73	ppb	0.71	37.75	0.05	20	
118 Sn	115	1	7.78	ppb	1.35	7.19	7.83	20	
121 Sb	115	1	14.69	ppb	0.47	14.26	2.97	20	
137 Ba	115	1	1276.00	ppb	0.55	1321.00	3.47	20	
205 Tl	165	1	41.43	ppb	0.33	41.16	0.65	20	
208 Pb	165	1	122.80	ppb	0.62	125.50	2.17	20	
232 Th	165	1	127.40	ppb	0.93	129.60	1.71	20	
238 U	165	1	102.10	ppb	0.29	104.20	2.04	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	407226	0.95	750540	54.3	30 - 120	
45 Sc	1	2128445	1.37	3329630	63.9	30 - 120	
72 Ge	1	1083940	0.44	1929229	56.2	30 - 120	
115 In	1	3346598	0.54	5867712	57.0	30 - 120	
165 Ho	1	7207956	0.52	11189902	64.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\033SMPL.D\033SMPL.D#
Date Acquired: Apr 10 2012 05:29 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-2-b
Misc Info:
Vial Number: 2302
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.33	0.33	ppb	20.32	3600	
51 V	72	1	8.70	8.70	ppb	2.21	3600	
52 Cr	72	1	7.93	7.93	ppb	0.42	3600	
55 Mn	72	1	132.60	132.60	ppb	1.81	18000	
59 Co	72	1	2.55	2.55	ppb	1.06	3600	
60 Ni	72	1	6.13	6.13	ppb	4.12	3600	
63 Cu	72	1	5.72	5.72	ppb	1.40	3600	
66 Zn	72	1	17.22	17.22	ppb	1.36	3600	
75 As	72	1	1.61	1.61	ppb	3.49	3600	
78 Se	72	1	1.80	1.80	ppb	17.62	3600	
95 Mo	72	1	1.09	1.09	ppb	5.48	3600	
107 Ag	115	1	0.03	0.03	ppb	17.04	3600	
111 Cd	115	1	0.38	0.38	ppb	14.54	3600	
118 Sn	115	1	0.38	0.38	ppb	4.69	3600	
121 Sb	115	1	0.22	0.22	ppb	2.45	3600	
137 Ba	115	1	76.01	76.01	ppb	0.13	3600	
205 Tl	165	1	0.14	0.14	ppb	2.45	3600	
208 Pb	165	1	4.09	4.09	ppb	0.04	3600	
232 Th	165	1	3.48	3.48	ppb	0.49	1000	
238 U	165	1	11.18	11.18	ppb	0.70	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	405731	0.20	750540	54.1	30 - 120	
45 Sc	1	1824228	0.64	3329630	54.8	30 - 120	
72 Ge	1	961731	1.01	1929229	49.9	30 - 120	
115 In	1	3101478	0.53	5867712	52.9	30 - 120	
165 Ho	1	6685366	0.29	11189902	59.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\034_CCV.D\034_CCV.D#
Date Acquired: Apr 10 2012 05:31 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.29	ppb	2.43	50	100.6	90 - 110	
51 V	72	1	49.81	ppb	1.11	50	99.6	90 - 110	
52 Cr	72	1	48.67	ppb	0.82	50	97.3	90 - 110	
55 Mn	72	1	49.55	ppb	1.85	50	99.1	90 - 110	
59 Co	72	1	49.71	ppb	1.71	50	99.4	90 - 110	
60 Ni	72	1	46.30	ppb	1.41	50	92.6	90 - 110	
63 Cu	72	1	48.96	ppb	1.05	50	97.9	90 - 110	
66 Zn	72	1	48.21	ppb	0.59	50	96.4	90 - 110	
75 As	72	1	49.08	ppb	1.20	50	98.2	90 - 110	
78 Se	72	1	51.09	ppb	3.82	50	102.2	90 - 110	
95 Mo	72	1	48.34	ppb	0.67	50	96.7	90 - 110	
107 Ag	115	1	49.10	ppb	1.10	50	98.2	90 - 110	
111 Cd	115	1	48.35	ppb	1.10	50	96.7	90 - 110	
118 Sn	115	1	48.24	ppb	1.35	50	96.5	90 - 110	
121 Sb	115	1	47.83	ppb	0.69	50	95.7	90 - 110	
137 Ba	115	1	50.50	ppb	1.06	50	101.0	90 - 110	
205 Tl	165	1	51.29	ppb	0.81	50	102.6	90 - 110	
208 Pb	165	1	51.03	ppb	0.60	50	102.1	90 - 110	
232 Th	165	1	51.82	ppb	0.80	50	103.6	90 - 110	
238 U	165	1	51.33	ppb	0.95	50	102.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	568230	1.93	750540	75.7	30 - 120	
45 Sc	1	2616358	2.04	3329630	78.6	30 - 120	
72 Ge	1	1597776	0.91	1929229	82.8	30 - 120	
115 In	1	5041299	0.66	5867712	85.9	30 - 120	
165 Ho	1	9656619	0.41	11189902	86.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\035_CCB.D\035_CCB.D#
Date Acquired: Apr 10 2012 05:34 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.026	ppb	112.53	1.00	
51 V	72	1	0.003	ppb	319.96	1.00	
52 Cr	72	1	0.002	ppb	496.67	1.00	
55 Mn	72	1	0.124	ppb	0.61	1.00	
59 Co	72	1	0.011	ppb	8.56	1.00	
60 Ni	72	1	0.015	ppb	31.57	1.00	
63 Cu	72	1	0.021	ppb	24.31	1.00	
66 Zn	72	1	0.050	ppb	2.03	1.00	
75 As	72	1	0.024	ppb	12.86	1.00	
78 Se	72	1	0.150	ppb	99.60	1.00	
95 Mo	72	1	0.042	ppb	6.52	1.00	
107 Ag	115	1	0.147	ppb	163.23	1.00	
111 Cd	115	1	0.008	ppb	65.43	1.00	
118 Sn	115	1	0.027	ppb	31.08	1.00	
121 Sb	115	1	0.075	ppb	11.34	1.00	
137 Ba	115	1	0.053	ppb	36.00	1.00	
205 Tl	165	1	0.029	ppb	11.97	1.00	
208 Pb	165	1	0.013	ppb	12.25	1.00	
232 Th	165	1	0.055	ppb	11.34	1.00	
238 U	165	1	0.012	ppb	2.13	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	558474	3.12	750540	74.4	30 - 120	
45 Sc	1	2644352	0.65	3329630	79.4	30 - 120	
72 Ge	1	1593282	0.75	1929229	82.6	30 - 120	
115 In	1	5052431	1.45	5867712	86.1	30 - 120	
165 Ho	1	9580884	0.51	11189902	85.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\036PDS.D\036PDS.D#
Date Acquired: Apr 10 2012 05:37 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-g-11-j PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	198.00	5.95	ppb	1.24	200	96.1	75 - 125	
51 V	72	1	184.60	171.90	ppb	0.66	200	49.6	75 - 125	
52 Cr	72	1	184.00	269.30	ppb	0.20	200	39.2	75 - 125	
55 Mn	72	1	192.30	3623.00	ppb	0.37	200	5.0	75 - 125	
59 Co	72	1	189.80	88.21	ppb	0.92	200	65.9	75 - 125	
60 Ni	72	1	185.20	162.70	ppb	2.17	200	51.1	75 - 125	
63 Cu	72	1	184.90	115.00	ppb	1.53	200	58.7	75 - 125	
66 Zn	72	1	182.40	345.00	ppb	0.60	200	33.5	75 - 125	
75 As	72	1	185.90	237.60	ppb	0.30	200	42.5	75 - 125	
78 Se	72	1	183.50	10.67	ppb	1.07	200	87.1	75 - 125	
95 Mo	72	1	192.60	8.44	ppb	1.04	200	92.4	75 - 125	
107 Ag	115	1	46.80	0.25	ppb	0.18	50	93.1	75 - 125	
111 Cd	115	1	188.60	2.18	ppb	0.66	200	93.3	75 - 125	
118 Sn	115	1	188.90	0.69	ppb	1.11	200	94.1	75 - 125	
121 Sb	115	1	185.20	0.52	ppb	0.63	200	92.4	75 - 125	
137 Ba	115	1	202.30	1500.00	ppb	0.61	200	11.9	75 - 125	
205 Tl	165	1	198.90	3.16	ppb	1.18	200	97.9	75 - 125	
208 Pb	165	1	194.10	91.45	ppb	0.78	200	66.6	75 - 125	
232 Th	165	1	0.04	91.71	ppb	1.69	200	0.0	75 - 125	
238 U	165	1	196.70	63.48	ppb	0.41	200	74.7	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	540092	0.29	750540	72.0	30 - 120	
45 Sc	1	2596903	0.96	3329630	78.0	30 - 120	
72 Ge	1	1535696	0.85	1929229	79.6	30 - 120	
115 In	1	4970561	0.51	5867712	84.7	30 - 120	
165 Ho	1	9616095	0.27	11189902	85.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\037SMPL.D\037SMPL.D#
Date Acquired: Apr 10 2012 05:40 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-3-c
Misc Info:
Vial Number: 2303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.14	1.14	ppb	7.53	3600	
51 V	72	1	55.53	55.53	ppb	0.65	3600	
52 Cr	72	1	63.24	63.24	ppb	0.32	3600	
55 Mn	72	1	534.30	534.30	ppb	1.42	18000	
59 Co	72	1	16.37	16.37	ppb	0.67	3600	
60 Ni	72	1	38.95	38.95	ppb	1.02	3600	
63 Cu	72	1	23.03	23.03	ppb	1.01	3600	
66 Zn	72	1	114.70	114.70	ppb	1.15	3600	
75 As	72	1	21.55	21.55	ppb	1.97	3600	
78 Se	72	1	2.38	2.38	ppb	9.74	3600	
95 Mo	72	1	934.60	934.60	ppb	1.22	3600	
107 Ag	115	1	0.06	0.06	ppb	14.31	3600	
111 Cd	115	1	0.67	0.67	ppb	16.08	3600	
118 Sn	115	1	0.62	0.62	ppb	0.72	3600	
121 Sb	115	1	0.41	0.41	ppb	1.33	3600	
137 Ba	115	1	185.10	185.10	ppb	1.39	3600	
205 Tl	165	1	0.47	0.47	ppb	2.95	3600	
208 Pb	165	1	12.17	12.17	ppb	0.46	3600	
232 Th	165	1	13.08	13.08	ppb	0.63	1000	
238 U	165	1	7.42	7.42	ppb	0.41	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	481123	0.63	750540	64.1	30 - 120	
45 Sc	1	2345608	0.84	3329630	70.4	30 - 120	
72 Ge	1	1295962	0.72	1929229	67.2	30 - 120	
115 In	1	4031779	0.66	5867712	68.7	30 - 120	
165 Ho	1	8323443	0.47	11189902	74.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\038SMPL.D\038SMPL.D#
Date Acquired: Apr 10 2012 05:43 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-4-c
Misc Info:
Vial Number: 2304
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.07	0.07	ppb	28.17	3600	
51 V	72	1	1.91	1.91	ppb	4.75	3600	
52 Cr	72	1	2.65	2.65	ppb	0.80	3600	
55 Mn	72	1	49.43	49.43	ppb	0.94	18000	
59 Co	72	1	0.55	0.55	ppb	4.42	3600	
60 Ni	72	1	1.48	1.48	ppb	3.44	3600	
63 Cu	72	1	2.14	2.14	ppb	2.50	3600	
66 Zn	72	1	58.82	58.82	ppb	1.98	3600	
75 As	72	1	1.70	1.70	ppb	3.15	3600	
78 Se	72	1	0.46	0.46	ppb	39.87	3600	
95 Mo	72	1	133.60	133.60	ppb	1.76	3600	
107 Ag	115	1	0.01	0.01	ppb	4.36	3600	
111 Cd	115	1	0.11	0.11	ppb	38.53	3600	
118 Sn	115	1	0.66	0.66	ppb	3.65	3600	
121 Sb	115	1	0.12	0.12	ppb	7.53	3600	
137 Ba	115	1	13.56	13.56	ppb	0.31	3600	
205 Tl	165	1	0.03	0.03	ppb	8.09	3600	
208 Pb	165	1	1.45	1.45	ppb	0.44	3600	
232 Th	165	1	0.25	0.25	ppb	6.85	1000	
238 U	165	1	2.74	2.74	ppb	0.70	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	488167	0.80	750540	65.0	30 - 120	
45 Sc	1	2263834	0.79	3329630	68.0	30 - 120	
72 Ge	1	1276543	2.19	1929229	66.2	30 - 120	
115 In	1	4030808	1.05	5867712	68.7	30 - 120	
165 Ho	1	8297621	0.70	11189902	74.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\039SMPL.D\039SMPL.D#
Date Acquired: Apr 10 2012 05:46 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-5-c
Misc Info:
Vial Number: 2305
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.25	0.25	ppb	28.30	3600	
51 V	72	1	3.64	3.64	ppb	1.39	3600	
52 Cr	72	1	3.72	3.72	ppb	1.55	3600	
55 Mn	72	1	100.10	100.10	ppb	0.34	18000	
59 Co	72	1	1.17	1.17	ppb	1.22	3600	
60 Ni	72	1	2.61	2.61	ppb	3.73	3600	
63 Cu	72	1	1.81	1.81	ppb	1.80	3600	
66 Zn	72	1	8.82	8.82	ppb	1.45	3600	
75 As	72	1	15.50	15.50	ppb	1.94	3600	
78 Se	72	1	0.94	0.94	ppb	47.08	3600	
95 Mo	72	1	1.54	1.54	ppb	2.41	3600	
107 Ag	115	1	0.01	0.01	ppb	20.65	3600	
111 Cd	115	1	0.08	0.08	ppb	19.36	3600	
118 Sn	115	1	0.35	0.35	ppb	6.43	3600	
121 Sb	115	1	2.66	2.66	ppb	1.05	3600	
137 Ba	115	1	45.22	45.22	ppb	0.49	3600	
205 Tl	165	1	0.08	0.08	ppb	3.09	3600	
208 Pb	165	1	1.62	1.62	ppb	1.05	3600	
232 Th	165	1	1.03	1.03	ppb	1.81	1000	
238 U	165	1	1.10	1.10	ppb	2.15	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	481960	0.58	750540	64.2	30 - 120	
45 Sc	1	2195598	1.60	3329630	65.9	30 - 120	
72 Ge	1	1192677	0.20	1929229	61.8	30 - 120	
115 In	1	3830220	0.83	5867712	65.3	30 - 120	
165 Ho	1	8079837	0.74	11189902	72.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\040SMPL.D\040SMPL.D#
Date Acquired: Apr 10 2012 05:49 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-6-c
Misc Info:
Vial Number: 2306
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.32	0.32	ppb	25.89	3600	
51 V	72	1	8.33	8.33	ppb	1.58	3600	
52 Cr	72	1	9.80	9.80	ppb	0.46	3600	
55 Mn	72	1	159.70	159.70	ppb	1.22	18000	
59 Co	72	1	2.24	2.24	ppb	2.00	3600	
60 Ni	72	1	6.17	6.17	ppb	0.45	3600	
63 Cu	72	1	4.96	4.96	ppb	1.19	3600	
66 Zn	72	1	18.65	18.65	ppb	1.16	3600	
75 As	72	1	1.47	1.47	ppb	10.64	3600	
78 Se	72	1	1.12	1.12	ppb	31.33	3600	
95 Mo	72	1	4.08	4.08	ppb	0.30	3600	
107 Ag	115	1	0.01	0.01	ppb	15.44	3600	
111 Cd	115	1	0.56	0.56	ppb	6.25	3600	
118 Sn	115	1	0.33	0.33	ppb	2.96	3600	
121 Sb	115	1	0.09	0.09	ppb	3.88	3600	
137 Ba	115	1	28.65	28.65	ppb	1.40	3600	
205 Tl	165	1	0.09	0.09	ppb	6.14	3600	
208 Pb	165	1	2.58	2.58	ppb	0.46	3600	
232 Th	165	1	2.21	2.21	ppb	2.17	1000	
238 U	165	1	3.71	3.71	ppb	0.34	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	539466	0.64	750540	71.9	30 - 120	
45 Sc	1	2486071	1.22	3329630	74.7	30 - 120	
72 Ge	1	1414603	0.66	1929229	73.3	30 - 120	
115 In	1	4456116	0.56	5867712	75.9	30 - 120	
165 Ho	1	8893379	0.07	11189902	79.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\041SMPL.D\041SMPL.D#
Date Acquired: Apr 10 2012 05:51 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27375-e-7-c
Misc Info:
Vial Number: 2307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.43	0.43	ppb	5.88	3600	
51 V	72	1	9.24	9.24	ppb	1.49	3600	
52 Cr	72	1	4.20	4.20	ppb	2.32	3600	
55 Mn	72	1	215.60	215.60	ppb	1.06	18000	
59 Co	72	1	2.56	2.56	ppb	0.95	3600	
60 Ni	72	1	3.18	3.18	ppb	1.00	3600	
63 Cu	72	1	3.61	3.61	ppb	0.78	3600	
66 Zn	72	1	17.71	17.71	ppb	0.28	3600	
75 As	72	1	1.94	1.94	ppb	2.49	3600	
78 Se	72	1	5.77	5.77	ppb	9.38	3600	
95 Mo	72	1	1.66	1.66	ppb	3.55	3600	
107 Ag	115	1	0.02	0.02	ppb	20.20	3600	
111 Cd	115	1	0.33	0.33	ppb	19.55	3600	
118 Sn	115	1	0.66	0.66	ppb	3.67	3600	
121 Sb	115	1	0.21	0.21	ppb	1.85	3600	
137 Ba	115	1	106.30	106.30	ppb	0.89	3600	
205 Tl	165	1	0.10	0.10	ppb	3.26	3600	
208 Pb	165	1	5.14	5.14	ppb	0.79	3600	
232 Th	165	1	4.10	4.10	ppb	0.26	1000	
238 U	165	1	5.22	5.22	ppb	0.47	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	507432	0.58	750540	67.6	30 - 120	
45 Sc	1	2344174	0.40	3329630	70.4	30 - 120	
72 Ge	1	1298502	0.51	1929229	67.3	30 - 120	
115 In	1	4051090	0.36	5867712	69.0	30 - 120	
165 Ho	1	8368545	0.58	11189902	74.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\042SMPL.D\042SMPL.D#
Date Acquired: Apr 10 2012 05:54 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: XXXXX
Misc Info:
Vial Number: 2308
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	149.08	3600	
51 V	72	1	0.02	0.02	ppb	11.34	3600	
52 Cr	72	1	0.01	0.01	ppb	31.84	3600	
55 Mn	72	1	0.09	0.09	ppb	6.32	18000	
59 Co	72	1	0.01	0.01	ppb	11.79	3600	
60 Ni	72	1	0.01	0.01	ppb	55.38	3600	
63 Cu	72	1	0.05	0.05	ppb	14.90	3600	
66 Zn	72	1	0.09	0.09	ppb	6.04	3600	
75 As	72	1	0.01	0.01	ppb	63.38	3600	
78 Se	72	1	0.40	0.40	ppb	32.80	3600	
95 Mo	72	1	0.11	0.11	ppb	7.76	3600	
107 Ag	115	1	0.00	0.00	ppb	31.05	3600	
111 Cd	115	1	0.01	0.01	ppb	109.01	3600	
118 Sn	115	1	0.03	0.03	ppb	9.99	3600	
121 Sb	115	1	0.01	0.01	ppb	11.59	3600	
137 Ba	115	1	0.04	0.04	ppb	40.18	3600	
205 Tl	165	1	0.01	0.01	ppb	5.59	3600	
208 Pb	165	1	0.01	0.01	ppb	3.46	3600	
232 Th	165	1	0.01	0.01	ppb	17.88	1000	
238 U	165	1	0.01	0.01	ppb	6.02	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	631500	0.95	750540	84.1	30 - 120	
45 Sc	1	2938214	0.29	3329630	88.2	30 - 120	
72 Ge	1	1738800	1.02	1929229	90.1	30 - 120	
115 In	1	5449436	0.49	5867712	92.9	30 - 120	
165 Ho	1	10059580	1.26	11189902	89.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\043SMPL.D\043SMPL.D#
Date Acquired: Apr 10 2012 05:57 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: XXXXX
Misc Info:
Vial Number: 2309
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	2.92	3600	
51 V	72	1	0.01	0.01	ppb	176.60	3600	
52 Cr	72	1	0.00	0.00	ppb	316.82	3600	
55 Mn	72	1	0.06	0.06	ppb	15.10	18000	
59 Co	72	1	0.01	0.01	ppb	15.34	3600	
60 Ni	72	1	0.01	0.01	ppb	57.15	3600	
63 Cu	72	1	0.05	0.05	ppb	15.90	3600	
66 Zn	72	1	0.03	0.03	ppb	8.20	3600	
75 As	72	1	0.01	0.01	ppb	41.98	3600	
78 Se	72	1	0.72	0.72	ppb	43.41	3600	
95 Mo	72	1	0.07	0.07	ppb	3.23	3600	
107 Ag	115	1	0.00	0.00	ppb	68.43	3600	
111 Cd	115	1	0.00	0.00	ppb	190.40	3600	
118 Sn	115	1	0.03	0.03	ppb	16.55	3600	
121 Sb	115	1	0.01	0.01	ppb	18.38	3600	
137 Ba	115	1	0.03	0.03	ppb	30.90	3600	
205 Tl	165	1	0.01	0.01	ppb	11.44	3600	
208 Pb	165	1	0.01	0.01	ppb	18.75	3600	
232 Th	165	1	0.01	0.01	ppb	7.01	1000	
238 U	165	1	0.01	0.01	ppb	8.22	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	615036	1.33	750540	81.9	30 - 120	
45 Sc	1	2899718	1.11	3329630	87.1	30 - 120	
72 Ge	1	1718077	0.48	1929229	89.1	30 - 120	
115 In	1	5339212	0.73	5867712	91.0	30 - 120	
165 Ho	1	9966960	0.58	11189902	89.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\044_CCV.D\044_CCV.D#
Date Acquired: Apr 10 2012 06:00 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.90	ppb	1.57	50	99.8	90 - 110	
51 V	72	1	50.27	ppb	1.63	50	100.5	90 - 110	
52 Cr	72	1	48.79	ppb	0.74	50	97.6	90 - 110	
55 Mn	72	1	50.77	ppb	1.27	50	101.5	90 - 110	
59 Co	72	1	50.07	ppb	0.49	50	100.1	90 - 110	
60 Ni	72	1	46.93	ppb	0.46	50	93.9	90 - 110	
63 Cu	72	1	48.87	ppb	1.14	50	97.7	90 - 110	
66 Zn	72	1	48.65	ppb	0.77	50	97.3	90 - 110	
75 As	72	1	50.00	ppb	1.00	50	100.0	90 - 110	
78 Se	72	1	51.17	ppb	3.32	50	102.3	90 - 110	
95 Mo	72	1	47.84	ppb	0.51	50	95.7	90 - 110	
107 Ag	115	1	49.05	ppb	1.28	50	98.1	90 - 110	
111 Cd	115	1	48.49	ppb	1.05	50	97.0	90 - 110	
118 Sn	115	1	48.40	ppb	1.11	50	96.8	90 - 110	
121 Sb	115	1	48.09	ppb	0.47	50	96.2	90 - 110	
137 Ba	115	1	51.06	ppb	0.87	50	102.1	90 - 110	
205 Tl	165	1	50.88	ppb	0.32	50	101.8	90 - 110	
208 Pb	165	1	50.56	ppb	0.51	50	101.1	90 - 110	
232 Th	165	1	50.85	ppb	1.61	50	101.7	90 - 110	
238 U	165	1	49.81	ppb	2.44	50	99.6	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	613177	2.51	750540	81.7	30 - 120	
45 Sc	1	2867247	0.70	3329630	86.1	30 - 120	
72 Ge	1	1698019	0.46	1929229	88.0	30 - 120	
115 In	1	5318954	0.88	5867712	90.6	30 - 120	
165 Ho	1	9875239	0.88	11189902	88.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\045_CCB.D\045_CCB.D#
Date Acquired: Apr 10 2012 06:03 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.011	ppb	143.40	1.00	
51 V	72	1	0.012	ppb	32.79	1.00	
52 Cr	72	1	-0.001	ppb	877.95	1.00	
55 Mn	72	1	0.054	ppb	10.19	1.00	
59 Co	72	1	0.008	ppb	20.15	1.00	
60 Ni	72	1	0.004	ppb	53.30	1.00	
63 Cu	72	1	0.044	ppb	2.70	1.00	
66 Zn	72	1	0.007	ppb	106.10	1.00	
75 As	72	1	0.014	ppb	60.79	1.00	
78 Se	72	1	0.502	ppb	18.03	1.00	
95 Mo	72	1	0.090	ppb	2.96	1.00	
107 Ag	115	1	0.011	ppb	12.92	1.00	
111 Cd	115	1	0.006	ppb	152.71	1.00	
118 Sn	115	1	0.036	ppb	16.19	1.00	
121 Sb	115	1	0.070	ppb	1.71	1.00	
137 Ba	115	1	0.025	ppb	7.59	1.00	
205 Tl	165	1	0.029	ppb	15.63	1.00	
208 Pb	165	1	0.013	ppb	12.10	1.00	
232 Th	165	1	0.058	ppb	8.02	1.00	
238 U	165	1	0.011	ppb	14.40	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	596990	1.68	750540	79.5	30 - 120	
45 Sc	1	2852997	0.94	3329630	85.7	30 - 120	
72 Ge	1	1704342	0.69	1929229	88.3	30 - 120	
115 In	1	5290166	0.71	5867712	90.2	30 - 120	
165 Ho	1	9870975	1.58	11189902	88.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\046_BLK.D\046_BLK.D#
Date Acquired: Apr 10 2012 06:06 pm
Operator: TEL
Sample Name: mb 280-114587/1-a
Misc Info: BLANK 114587 6020
Vial Number: 2410
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.023 ppb	84.81	2.00	
51 V	72	1	0.009 ppb	145.24	2.00	
52 Cr	72	1	0.075 ppb	10.18	2.00	
55 Mn	72	1	0.089 ppb	13.67	2.00	
59 Co	72	1	0.007 ppb	53.83	2.00	
60 Ni	72	1	0.014 ppb	18.81	2.00	
63 Cu	72	1	0.107 ppb	7.43	2.00	
66 Zn	72	1	1.174 ppb	1.68	2.00	
75 As	72	1	0.018 ppb	59.13	2.00	
78 Se	72	1	0.362 ppb	39.70	2.00	
95 Mo	72	1	0.083 ppb	14.41	2.00	
107 Ag	115	1	0.005 ppb	40.42	2.00	
111 Cd	115	1	0.012 ppb	65.03	2.00	
118 Sn	115	1	0.055 ppb	2.52	2.00	
121 Sb	115	1	0.032 ppb	6.64	2.00	
137 Ba	115	1	0.035 ppb	19.67	2.00	
205 Tl	165	1	0.019 ppb	19.84	2.00	
208 Pb	165	1	0.023 ppb	11.57	2.00	
232 Th	165	1	0.026 ppb	5.05	2.00	
238 U	165	1	0.007 ppb	5.63	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	613856	0.93	750540	81.8	30 - 120	
45 Sc	1	2840184	0.89	3329630	85.3	30 - 120	
72 Ge	1	1670230	0.50	1929229	86.6	30 - 120	
115 In	1	5319490	1.32	5867712	90.7	30 - 120	
165 Ho	1	9849834	0.84	11189902	88.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\047_LCS.D\047_LCS.D#
Date Acquired: Apr 10 2012 06:09 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-114587/2-a
Misc Info: LCS
Vial Number: 2411
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	41.30	2.19	40	103.3	80 - 120	
51 V	72	1	41.68	0.69	40	104.2	80 - 120	
52 Cr	72	1	40.93	0.45	40	102.3	80 - 120	
55 Mn	72	1	42.29	1.71	40	105.7	80 - 120	
59 Co	72	1	41.31	0.83	40	103.3	80 - 120	
60 Ni	72	1	38.06	0.75	40	95.2	80 - 120	
63 Cu	72	1	39.93	1.60	40	99.8	80 - 120	
66 Zn	72	1	39.16	0.69	40	97.9	80 - 120	
75 As	72	1	39.36	0.74	40	98.4	80 - 120	
78 Se	72	1	40.02	1.90	40	100.1	80 - 120	
95 Mo	72	1	39.96	1.24	40	99.9	80 - 120	
107 Ag	115	1	39.72	1.86	40	99.3	80 - 120	
111 Cd	115	1	38.91	1.10	40	97.3	80 - 120	
118 Sn	115	1	40.39	0.35	40	101.0	80 - 120	
121 Sb	115	1	39.27	0.87	40	98.2	80 - 120	
137 Ba	115	1	42.09	0.62	40	105.2	80 - 120	
205 Tl	165	1	41.27	0.93	40	103.2	80 - 120	
208 Pb	165	1	40.87	1.34	40	102.2	80 - 120	
232 Th	165	1	41.01	1.69	40	102.5	80 - 120	
238 U	165	1	40.95	1.43	40	102.4	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	588892	2.83	750540	78.5	30 - 120	
45 Sc	1	2843064	0.88	3329630	85.4	30 - 120	
72 Ge	1	1665722	0.37	1929229	86.3	30 - 120	
115 In	1	5216491	0.71	5867712	88.9	30 - 120	
165 Ho	1	9861050	0.67	11189902	88.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\048AREF.D\048AREF.D#
Date Acquired: Apr 10 2012 06:12 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27368-d-1-a
Misc Info:
Vial Number: 2412
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	260.87	3600	
51 V	72	1	1.72	1.72	ppb	2.47	3600	
52 Cr	72	1	1.33	1.33	ppb	1.22	3600	
55 Mn	72	1	1.08	1.08	ppb	2.42	18000	
59 Co	72	1	0.09	0.09	ppb	5.93	3600	
60 Ni	72	1	0.87	0.87	ppb	3.76	3600	
63 Cu	72	1	0.65	0.65	ppb	2.27	3600	
66 Zn	72	1	1.73	1.73	ppb	2.04	3600	
75 As	72	1	0.30	0.30	ppb	7.06	3600	
78 Se	72	1	3.76	3.76	ppb	4.72	3600	
95 Mo	72	1	1.77	1.77	ppb	1.04	3600	
107 Ag	115	1	0.01	0.01	ppb	9.08	3600	
111 Cd	115	1	0.04	0.04	ppb	13.07	3600	
118 Sn	115	1	0.14	0.14	ppb	6.18	3600	
121 Sb	115	1	0.17	0.17	ppb	4.39	3600	
137 Ba	115	1	22.85	22.85	ppb	0.32	3600	
205 Tl	165	1	0.03	0.03	ppb	23.50	3600	
208 Pb	165	1	0.08	0.08	ppb	5.57	3600	
232 Th	165	1	0.09	0.09	ppb	17.35	1000	
238 U	165	1	12.13	12.13	ppb	0.70	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	501522	0.61	750540	66.8	30 - 120	
45 Sc	1	2470433	0.76	3329630	74.2	30 - 120	
72 Ge	1	1367567	1.35	1929229	70.9	30 - 120	
115 In	1	4389106	0.65	5867712	74.8	30 - 120	
165 Ho	1	8822456	0.86	11189902	78.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\049SDIL.D\049SDIL.D#
Date Acquired: Apr 10 2012 06:15 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27368-d-1-a SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2501
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG041012.B\048AREF.D\048AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.00	ppb	388.08	0.00	-310.5	90 - 110	
51 V	72	1	0.34	ppb	5.69	0.34	97.3	90 - 110	
52 Cr	72	1	0.24	ppb	1.89	0.27	91.4	90 - 110	
55 Mn	72	1	0.24	ppb	6.43	0.22	111.2	90 - 110	
59 Co	72	1	0.02	ppb	20.96	0.02	118.3	90 - 110	
60 Ni	72	1	0.18	ppb	4.25	0.17	100.8	90 - 110	
63 Cu	72	1	0.16	ppb	8.69	0.13	124.3	90 - 110	
66 Zn	72	1	0.34	ppb	4.35	0.35	97.0	90 - 110	
75 As	72	1	0.07	ppb	11.10	0.06	110.8	90 - 110	
78 Se	72	1	0.85	ppb	16.88	0.75	113.5	90 - 110	
95 Mo	72	1	0.39	ppb	6.15	0.35	109.9	90 - 110	
107 Ag	115	1	0.00	ppb	24.99	0.00	135.7	90 - 110	
111 Cd	115	1	0.01	ppb	12.23	0.01	138.9	90 - 110	
118 Sn	115	1	0.06	ppb	6.89	0.03	193.9	90 - 110	
121 Sb	115	1	0.05	ppb	0.70	0.03	135.7	90 - 110	
137 Ba	115	1	4.46	ppb	1.09	4.57	97.5	90 - 110	
205 Tl	165	1	0.01	ppb	8.89	0.01	121.7	90 - 110	
208 Pb	165	1	0.02	ppb	7.24	0.02	90.1	90 - 110	
232 Th	165	1	0.02	ppb	17.80	0.02	96.0	90 - 110	
238 U	165	1	2.25	ppb	0.49	2.43	92.7	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	548753	1.63	750540	73.1	30 - 120	
45 Sc	1	2722963	0.71	3329630	81.8	30 - 120	
72 Ge	1	1600994	0.26	1929229	83.0	30 - 120	
115 In	1	4927474	0.33	5867712	84.0	30 - 120	
165 Ho	1	9523599	0.38	11189902	85.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\050PDS.D\050PDS.D#
Date Acquired: Apr 10 2012 06:18 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27368-d-1-a PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2502
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	207.30	0.00	ppb	0.77	200	103.6	75 - 125	
51 V	72	1	207.00	1.72	ppb	0.11	200	102.6	75 - 125	
52 Cr	72	1	195.50	1.33	ppb	0.98	200	97.1	75 - 125	
55 Mn	72	1	198.40	1.08	ppb	0.94	200	98.7	75 - 125	
59 Co	72	1	192.50	0.09	ppb	0.82	200	96.2	75 - 125	
60 Ni	72	1	184.20	0.87	ppb	0.21	200	91.7	75 - 125	
63 Cu	72	1	178.60	0.65	ppb	0.64	200	89.0	75 - 125	
66 Zn	72	1	182.90	1.73	ppb	0.97	200	90.7	75 - 125	
75 As	72	1	199.60	0.30	ppb	0.87	200	99.7	75 - 125	
78 Se	72	1	208.70	3.76	ppb	2.11	200	102.4	75 - 125	
95 Mo	72	1	213.40	1.77	ppb	0.58	200	105.8	75 - 125	
107 Ag	115	1	43.36	0.01	ppb	0.86	50	86.7	75 - 125	
111 Cd	115	1	187.20	0.04	ppb	1.30	200	93.6	75 - 125	
118 Sn	115	1	193.60	0.14	ppb	1.31	200	96.7	75 - 125	
121 Sb	115	1	194.80	0.17	ppb	0.77	200	97.3	75 - 125	
137 Ba	115	1	230.00	22.85	ppb	0.93	200	103.2	75 - 125	
205 Tl	165	1	185.20	0.03	ppb	0.62	200	92.6	75 - 125	
208 Pb	165	1	180.10	0.08	ppb	0.34	200	90.0	75 - 125	
232 Th	165	1	0.03	0.09	ppb	2.63	200	0.0	75 - 125	
238 U	165	1	213.80	12.13	ppb	0.47	200	100.8	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	509091	0.82	750540	67.8	30 - 120	
45 Sc	1	2510783	0.50	3329630	75.4	30 - 120	
72 Ge	1	1389748	1.43	1929229	72.0	30 - 120	
115 In	1	4481860	0.45	5867712	76.4	30 - 120	
165 Ho	1	8986716	0.62	11189902	80.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\051_MS.D\051_MS.D#
Date Acquired: Apr 10 2012 06:20 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27368-d-1-b ms
Misc Info: MATRIX SPIKE
Vial Number: 2503
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	42.29	0.00	ppb	0.75	40	105.7	50 - 150	
51 V	72	1	45.99	1.72	ppb	2.22	40	110.2	50 - 150	
52 Cr	72	1	42.96	1.33	ppb	1.14	40	104.0	50 - 150	
55 Mn	72	1	43.54	1.08	ppb	1.72	40	106.0	50 - 150	
59 Co	72	1	41.50	0.09	ppb	0.83	40	103.5	50 - 150	
60 Ni	72	1	37.78	0.87	ppb	0.42	40	92.4	50 - 150	
63 Cu	72	1	37.96	0.65	ppb	0.32	40	93.4	50 - 150	
66 Zn	72	1	38.95	1.73	ppb	0.33	40	93.3	50 - 150	
75 As	72	1	41.45	0.30	ppb	0.25	40	102.9	50 - 150	
78 Se	72	1	47.06	3.76	ppb	2.60	40	107.5	50 - 150	
95 Mo	72	1	45.06	1.77	ppb	0.65	40	107.9	50 - 150	
107 Ag	115	1	36.64	0.01	ppb	1.10	40	91.6	50 - 150	
111 Cd	115	1	37.59	0.04	ppb	0.41	40	93.9	50 - 150	
118 Sn	115	1	40.11	0.14	ppb	0.91	40	99.9	50 - 150	
121 Sb	115	1	40.00	0.17	ppb	0.28	40	99.6	50 - 150	
137 Ba	115	1	65.21	22.85	ppb	0.22	40	103.8	50 - 150	
205 Tl	165	1	39.41	0.03	ppb	0.18	40	98.4	50 - 150	
208 Pb	165	1	38.06	0.08	ppb	0.94	40	94.9	50 - 150	
232 Th	165	1	43.73	0.09	ppb	2.66	40	109.1	50 - 150	
238 U	165	1	54.39	12.13	ppb	2.11	40	104.3	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	523843	1.79	750540	69.8	30 - 120	
45 Sc	1	2553510	1.94	3329630	76.7	30 - 120	
72 Ge	1	1404540	0.40	1929229	72.8	30 - 120	
115 In	1	4516284	0.74	5867712	77.0	30 - 120	
165 Ho	1	9040158	0.79	11189902	80.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\052_MSD.D\052_MSD.D#
Date Acquired: Apr 10 2012 06:23 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27368-d-1-c msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2504
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG041012.B\051_MS.D\051_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	42.28	ppb	0.84	42.29	0.02	20	
51 V	72	1	46.66	ppb	0.60	45.99	1.45	20	
52 Cr	72	1	43.81	ppb	1.55	42.96	1.96	20	
55 Mn	72	1	42.85	ppb	0.74	43.54	1.60	20	
59 Co	72	1	41.78	ppb	0.64	41.50	0.67	20	
60 Ni	72	1	37.63	ppb	0.67	37.78	0.40	20	
63 Cu	72	1	37.89	ppb	0.66	37.96	0.18	20	
66 Zn	72	1	39.15	ppb	0.64	38.95	0.51	20	
75 As	72	1	41.37	ppb	0.51	41.45	0.19	20	
78 Se	72	1	48.03	ppb	2.99	47.06	2.04	20	
95 Mo	72	1	45.73	ppb	0.62	45.06	1.48	20	
107 Ag	115	1	36.10	ppb	1.18	36.64	1.48	20	
111 Cd	115	1	37.01	ppb	0.70	37.59	1.55	20	
118 Sn	115	1	39.88	ppb	2.15	40.11	0.58	20	
121 Sb	115	1	39.33	ppb	1.07	40.00	1.69	20	
137 Ba	115	1	64.22	ppb	1.30	65.21	1.53	20	
205 Tl	165	1	39.25	ppb	1.90	39.41	0.41	20	
208 Pb	165	1	38.04	ppb	0.83	38.06	0.05	20	
232 Th	165	1	44.17	ppb	0.70	43.73	1.00	20	
238 U	165	1	54.89	ppb	1.33	54.39	0.92	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	514844	0.89	750540	68.6	30 - 120	
45 Sc	1	2548141	1.53	3329630	76.5	30 - 120	
72 Ge	1	1401082	0.91	1929229	72.6	30 - 120	
115 In	1	4541358	0.66	5867712	77.4	30 - 120	
165 Ho	1	8985087	1.53	11189902	80.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\053SMPL.D\053SMPL.D#
Date Acquired: Apr 10 2012 06:26 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27368-d-2-a
Misc Info:
Vial Number: 2505
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	29.73	3600	
51 V	72	1	1.73	1.73	ppb	1.48	3600	
52 Cr	72	1	0.75	0.75	ppb	2.30	3600	
55 Mn	72	1	0.38	0.38	ppb	3.70	18000	
59 Co	72	1	0.47	0.47	ppb	2.33	3600	
60 Ni	72	1	1.14	1.14	ppb	4.54	3600	
63 Cu	72	1	0.60	0.60	ppb	4.28	3600	
66 Zn	72	1	1.73	1.73	ppb	2.22	3600	
75 As	72	1	0.29	0.29	ppb	2.49	3600	
78 Se	72	1	4.58	4.58	ppb	6.49	3600	
95 Mo	72	1	1.64	1.64	ppb	2.27	3600	
107 Ag	115	1	0.01	0.01	ppb	9.17	3600	
111 Cd	115	1	0.03	0.03	ppb	49.29	3600	
118 Sn	115	1	0.12	0.12	ppb	9.14	3600	
121 Sb	115	1	0.12	0.12	ppb	3.53	3600	
137 Ba	115	1	23.68	23.68	ppb	0.82	3600	
205 Tl	165	1	0.02	0.02	ppb	10.33	3600	
208 Pb	165	1	0.09	0.09	ppb	4.85	3600	
232 Th	165	1	0.08	0.08	ppb	7.89	1000	
238 U	165	1	14.91	14.91	ppb	0.23	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	513743	0.76	750540	68.4	30 - 120	
45 Sc	1	2554699	1.11	3329630	76.7	30 - 120	
72 Ge	1	1405709	0.55	1929229	72.9	30 - 120	
115 In	1	4519925	1.26	5867712	77.0	30 - 120	
165 Ho	1	9050899	1.00	11189902	80.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\054_CCV.D\054_CCV.D#
Date Acquired: Apr 10 2012 06:29 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.33	ppb	2.91	50	102.7	90 - 110	
51 V	72	1	50.17	ppb	1.64	50	100.3	90 - 110	
52 Cr	72	1	49.36	ppb	2.53	50	98.7	90 - 110	
55 Mn	72	1	51.81	ppb	1.89	50	103.6	90 - 110	
59 Co	72	1	50.96	ppb	1.23	50	101.9	90 - 110	
60 Ni	72	1	47.32	ppb	0.46	50	94.6	90 - 110	
63 Cu	72	1	49.41	ppb	1.66	50	98.8	90 - 110	
66 Zn	72	1	48.45	ppb	0.62	50	96.9	90 - 110	
75 As	72	1	50.10	ppb	0.53	50	100.2	90 - 110	
78 Se	72	1	51.11	ppb	2.01	50	102.2	90 - 110	
95 Mo	72	1	48.32	ppb	0.61	50	96.6	90 - 110	
107 Ag	115	1	49.80	ppb	1.27	50	99.6	90 - 110	
111 Cd	115	1	47.88	ppb	1.11	50	95.8	90 - 110	
118 Sn	115	1	48.37	ppb	0.56	50	96.7	90 - 110	
121 Sb	115	1	47.47	ppb	1.16	50	94.9	90 - 110	
137 Ba	115	1	50.71	ppb	0.70	50	101.4	90 - 110	
205 Tl	165	1	50.53	ppb	1.27	50	101.1	90 - 110	
208 Pb	165	1	50.37	ppb	0.75	50	100.7	90 - 110	
232 Th	165	1	49.57	ppb	1.03	50	99.1	90 - 110	
238 U	165	1	49.28	ppb	1.01	50	98.6	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	566690	1.40	750540	75.5	30 - 120	
45 Sc	1	2877600	1.12	3329630	86.4	30 - 120	
72 Ge	1	1687134	0.72	1929229	87.5	30 - 120	
115 In	1	5308437	0.82	5867712	90.5	30 - 120	
165 Ho	1	9880600	0.41	11189902	88.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\055_CCB.D\055_CCB.D#
Date Acquired: Apr 10 2012 06:32 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	-0.002	ppb	366.52	1.00	
51 V	72	1	0.000	ppb	2076.90	1.00	
52 Cr	72	1	-0.001	ppb	1583.20	1.00	
55 Mn	72	1	0.041	ppb	25.51	1.00	
59 Co	72	1	0.010	ppb	12.22	1.00	
60 Ni	72	1	0.013	ppb	8.50	1.00	
63 Cu	72	1	0.041	ppb	24.83	1.00	
66 Zn	72	1	-0.013	ppb	55.36	1.00	
75 As	72	1	0.020	ppb	22.37	1.00	
78 Se	72	1	0.543	ppb	36.05	1.00	
95 Mo	72	1	0.077	ppb	16.46	1.00	
107 Ag	115	1	0.010	ppb	5.57	1.00	
111 Cd	115	1	0.007	ppb	114.35	1.00	
118 Sn	115	1	0.033	ppb	7.09	1.00	
121 Sb	115	1	0.080	ppb	0.93	1.00	
137 Ba	115	1	0.021	ppb	20.36	1.00	
205 Tl	165	1	0.028	ppb	8.75	1.00	
208 Pb	165	1	0.014	ppb	21.96	1.00	
232 Th	165	1	0.069	ppb	14.61	1.00	
238 U	165	1	0.011	ppb	5.38	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	566098	1.96	750540	75.4	30 - 120	
45 Sc	1	2813797	1.17	3329630	84.5	30 - 120	
72 Ge	1	1676809	0.53	1929229	86.9	30 - 120	
115 In	1	5258168	1.38	5867712	89.6	30 - 120	
165 Ho	1	9852274	0.58	11189902	88.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\056PDS.D\056PDS.D#
Date Acquired: Apr 10 2012 06:35 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-g-11-j PDS
Misc Info: POST DIGESTION SPIKE 114586 DoD4/6020
Vial Number: 2206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	198.00	0.00	ppb	2.55	200	99.0	75 - 125	
51 V	72	1	185.00	1.72	ppb	1.04	200	91.7	75 - 125	
52 Cr	72	1	185.80	1.33	ppb	0.15	200	92.3	75 - 125	
55 Mn	72	1	194.10	1.08	ppb	1.05	200	96.5	75 - 125	
59 Co	72	1	190.00	0.09	ppb	1.06	200	95.0	75 - 125	
60 Ni	72	1	185.10	0.87	ppb	1.69	200	92.1	75 - 125	
63 Cu	72	1	184.60	0.65	ppb	0.43	200	92.0	75 - 125	
66 Zn	72	1	181.30	1.73	ppb	0.47	200	89.9	75 - 125	
75 As	72	1	186.90	0.30	ppb	0.74	200	93.3	75 - 125	
78 Se	72	1	184.40	3.76	ppb	1.24	200	90.5	75 - 125	
95 Mo	72	1	190.50	1.77	ppb	0.55	200	94.4	75 - 125	
107 Ag	115	1	46.42	0.01	ppb	2.02	50	92.8	75 - 125	
111 Cd	115	1	183.30	0.04	ppb	1.55	200	91.6	75 - 125	
118 Sn	115	1	186.70	0.14	ppb	0.59	200	93.3	75 - 125	
121 Sb	115	1	181.60	0.17	ppb	0.53	200	90.7	75 - 125	
137 Ba	115	1	200.30	22.85	ppb	0.21	200	89.9	75 - 125	
205 Tl	165	1	192.80	0.03	ppb	0.42	200	96.4	75 - 125	
208 Pb	165	1	188.50	0.08	ppb	0.46	200	94.2	75 - 125	
232 Th	165	1	0.05	0.09	ppb	7.41	200	0.0	75 - 125	
238 U	165	1	187.80	12.13	ppb	0.46	200	88.5	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	552296	1.38	750540	73.6	30 - 120	
45 Sc	1	2772354	0.59	3329630	83.3	30 - 120	
72 Ge	1	1616985	0.60	1929229	83.8	30 - 120	
115 In	1	5221386	0.83	5867712	89.0	30 - 120	
165 Ho	1	9827079	0.92	11189902	87.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\057SMPL.D\057SMPL.D#
Date Acquired: Apr 10 2012 06:37 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27368-d-3-a
Misc Info:
Vial Number: 2506
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.05	0.05	ppb	56.85	3600	
51 V	72	1	1.71	1.71	ppb	2.30	3600	
52 Cr	72	1	0.92	0.92	ppb	2.98	3600	
55 Mn	72	1	0.38	0.38	ppb	2.51	18000	
59 Co	72	1	0.07	0.07	ppb	11.29	3600	
60 Ni	72	1	0.52	0.52	ppb	8.18	3600	
63 Cu	72	1	0.33	0.33	ppb	5.93	3600	
66 Zn	72	1	2.49	2.49	ppb	1.57	3600	
75 As	72	1	0.33	0.33	ppb	7.33	3600	
78 Se	72	1	3.42	3.42	ppb	7.20	3600	
95 Mo	72	1	1.49	1.49	ppb	5.14	3600	
107 Ag	115	1	0.01	0.01	ppb	15.20	3600	
111 Cd	115	1	0.04	0.04	ppb	39.22	3600	
118 Sn	115	1	0.16	0.16	ppb	1.01	3600	
121 Sb	115	1	0.11	0.11	ppb	7.63	3600	
137 Ba	115	1	23.01	23.01	ppb	0.80	3600	
205 Tl	165	1	0.06	0.06	ppb	21.27	3600	
208 Pb	165	1	0.05	0.05	ppb	5.44	3600	
232 Th	165	1	0.03	0.03	ppb	3.88	1000	
238 U	165	1	6.61	6.61	ppb	0.53	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	505764	0.77	750540	67.4	30 - 120	
45 Sc	1	2509198	1.54	3329630	75.4	30 - 120	
72 Ge	1	1378474	1.06	1929229	71.5	30 - 120	
115 In	1	4511635	1.31	5867712	76.9	30 - 120	
165 Ho	1	9000610	0.49	11189902	80.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\058SMPL.D\058SMPL.D#
Date Acquired: Apr 10 2012 06:40 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27368-d-4-a
Misc Info:
Vial Number: 2507
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	179.86	3600	
51 V	72	1	1.81	1.81	ppb	2.85	3600	
52 Cr	72	1	1.13	1.13	ppb	0.52	3600	
55 Mn	72	1	0.88	0.88	ppb	4.69	18000	
59 Co	72	1	0.09	0.09	ppb	7.69	3600	
60 Ni	72	1	0.82	0.82	ppb	0.71	3600	
63 Cu	72	1	0.61	0.61	ppb	4.19	3600	
66 Zn	72	1	1.75	1.75	ppb	0.95	3600	
75 As	72	1	0.31	0.31	ppb	5.01	3600	
78 Se	72	1	3.64	3.64	ppb	9.02	3600	
95 Mo	72	1	1.55	1.55	ppb	0.84	3600	
107 Ag	115	1	0.01	0.01	ppb	12.28	3600	
111 Cd	115	1	0.04	0.04	ppb	18.84	3600	
118 Sn	115	1	0.10	0.10	ppb	11.00	3600	
121 Sb	115	1	0.11	0.11	ppb	8.53	3600	
137 Ba	115	1	23.42	23.42	ppb	0.86	3600	
205 Tl	165	1	0.02	0.02	ppb	5.92	3600	
208 Pb	165	1	0.09	0.09	ppb	4.55	3600	
232 Th	165	1	0.03	0.03	ppb	1.42	1000	
238 U	165	1	12.07	12.07	ppb	0.64	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	503714	1.54	750540	67.1	30 - 120	
45 Sc	1	2492222	1.83	3329630	74.8	30 - 120	
72 Ge	1	1371015	0.59	1929229	71.1	30 - 120	
115 In	1	4458003	1.15	5867712	76.0	30 - 120	
165 Ho	1	8960530	0.92	11189902	80.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\059SMPL.D\059SMPL.D#
Date Acquired: Apr 10 2012 06:43 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27368-d-5-a
Misc Info:
Vial Number: 2508
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	348.32	3600	
51 V	72	1	0.03	0.03	ppb	23.63	3600	
52 Cr	72	1	0.05	0.05	ppb	6.71	3600	
55 Mn	72	1	0.09	0.09	ppb	7.95	18000	
59 Co	72	1	0.01	0.01	ppb	24.51	3600	
60 Ni	72	1	0.01	0.01	ppb	15.81	3600	
63 Cu	72	1	0.08	0.08	ppb	2.18	3600	
66 Zn	72	1	1.22	1.22	ppb	1.63	3600	
75 As	72	1	0.03	0.03	ppb	25.52	3600	
78 Se	72	1	0.39	0.39	ppb	49.03	3600	
95 Mo	72	1	0.08	0.08	ppb	6.49	3600	
107 Ag	115	1	0.00	0.00	ppb	29.22	3600	
111 Cd	115	1	0.02	0.02	ppb	31.64	3600	
118 Sn	115	1	0.09	0.09	ppb	3.12	3600	
121 Sb	115	1	0.02	0.02	ppb	12.91	3600	
137 Ba	115	1	0.08	0.08	ppb	11.60	3600	
205 Tl	165	1	0.01	0.01	ppb	8.86	3600	
208 Pb	165	1	0.03	0.03	ppb	12.76	3600	
232 Th	165	1	0.01	0.01	ppb	5.31	1000	
238 U	165	1	0.01	0.01	ppb	3.05	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	563620	0.33	750540	75.1	30 - 120	
45 Sc	1	2872377	0.65	3329630	86.3	30 - 120	
72 Ge	1	1649491	0.63	1929229	85.5	30 - 120	
115 In	1	5274568	0.61	5867712	89.9	30 - 120	
165 Ho	1	9905089	0.61	11189902	88.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\060SMPL.D\060SMPL.D#
Date Acquired: Apr 10 2012 06:46 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27368-d-6-a
Misc Info:
Vial Number: 2509
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	69.54	3600	
51 V	72	1	0.01	0.01	ppb	103.09	3600	
52 Cr	72	1	0.04	0.04	ppb	10.42	3600	
55 Mn	72	1	0.06	0.06	ppb	10.65	18000	
59 Co	72	1	0.01	0.01	ppb	14.06	3600	
60 Ni	72	1	0.02	0.02	ppb	6.18	3600	
63 Cu	72	1	0.09	0.09	ppb	6.69	3600	
66 Zn	72	1	1.15	1.15	ppb	2.59	3600	
75 As	72	1	0.02	0.02	ppb	29.08	3600	
78 Se	72	1	0.36	0.36	ppb	64.04	3600	
95 Mo	72	1	0.05	0.05	ppb	12.26	3600	
107 Ag	115	1	0.00	0.00	ppb	65.37	3600	
111 Cd	115	1	0.01	0.01	ppb	140.66	3600	
118 Sn	115	1	0.06	0.06	ppb	7.47	3600	
121 Sb	115	1	0.02	0.02	ppb	8.96	3600	
137 Ba	115	1	0.05	0.05	ppb	13.60	3600	
205 Tl	165	1	0.01	0.01	ppb	14.56	3600	
208 Pb	165	1	0.01	0.01	ppb	13.02	3600	
232 Th	165	1	0.01	0.01	ppb	19.47	1000	
238 U	165	1	0.01	0.01	ppb	13.14	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	559952	1.75	750540	74.6	30 - 120	
45 Sc	1	2825569	1.78	3329630	84.9	30 - 120	
72 Ge	1	1642992	0.68	1929229	85.2	30 - 120	
115 In	1	5265320	1.64	5867712	89.7	30 - 120	
165 Ho	1	9892314	0.72	11189902	88.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\061_CCV.D\061_CCV.D#
Date Acquired: Apr 10 2012 06:49 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.15	ppb	3.37	50	104.3	90 - 110	
51 V	72	1	50.93	ppb	0.82	50	101.9	90 - 110	
52 Cr	72	1	49.79	ppb	0.61	50	99.6	90 - 110	
55 Mn	72	1	51.92	ppb	1.54	50	103.8	90 - 110	
59 Co	72	1	50.83	ppb	0.68	50	101.7	90 - 110	
60 Ni	72	1	47.55	ppb	1.05	50	95.1	90 - 110	
63 Cu	72	1	49.41	ppb	0.58	50	98.8	90 - 110	
66 Zn	72	1	48.56	ppb	0.49	50	97.1	90 - 110	
75 As	72	1	50.12	ppb	0.51	50	100.2	90 - 110	
78 Se	72	1	52.28	ppb	1.65	50	104.6	90 - 110	
95 Mo	72	1	48.10	ppb	0.17	50	96.2	90 - 110	
107 Ag	115	1	48.25	ppb	1.42	50	96.5	90 - 110	
111 Cd	115	1	47.41	ppb	1.69	50	94.8	90 - 110	
118 Sn	115	1	48.01	ppb	1.85	50	96.0	90 - 110	
121 Sb	115	1	47.00	ppb	1.01	50	94.0	90 - 110	
137 Ba	115	1	50.77	ppb	1.17	50	101.5	90 - 110	
205 Tl	165	1	51.01	ppb	0.41	50	102.0	90 - 110	
208 Pb	165	1	50.62	ppb	0.55	50	101.2	90 - 110	
232 Th	165	1	50.22	ppb	1.82	50	100.4	90 - 110	
238 U	165	1	49.53	ppb	0.73	50	99.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	553840	1.63	750540	73.8	30 - 120	
45 Sc	1	2818763	0.92	3329630	84.7	30 - 120	
72 Ge	1	1642533	0.50	1929229	85.1	30 - 120	
115 In	1	5264491	1.34	5867712	89.7	30 - 120	
165 Ho	1	9716427	0.33	11189902	86.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\062_CCB.D\062_CCB.D#
Date Acquired: Apr 10 2012 06:52 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.007	ppb	338.92	1.00	
51 V	72	1	0.018	ppb	31.18	1.00	
52 Cr	72	1	0.002	ppb	318.02	1.00	
55 Mn	72	1	0.028	ppb	10.50	1.00	
59 Co	72	1	0.007	ppb	8.57	1.00	
60 Ni	72	1	0.007	ppb	92.58	1.00	
63 Cu	72	1	0.050	ppb	4.98	1.00	
66 Zn	72	1	-0.022	ppb	33.61	1.00	
75 As	72	1	0.022	ppb	23.47	1.00	
78 Se	72	1	0.398	ppb	46.40	1.00	
95 Mo	72	1	0.060	ppb	16.09	1.00	
107 Ag	115	1	0.011	ppb	20.82	1.00	
111 Cd	115	1	0.006	ppb	76.80	1.00	
118 Sn	115	1	0.023	ppb	5.28	1.00	
121 Sb	115	1	0.071	ppb	10.07	1.00	
137 Ba	115	1	0.014	ppb	12.63	1.00	
205 Tl	165	1	0.028	ppb	9.85	1.00	
208 Pb	165	1	0.011	ppb	14.24	1.00	
232 Th	165	1	0.072	ppb	5.92	1.00	
238 U	165	1	0.010	ppb	12.88	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	551529	0.31	750540	73.5	30 - 120	
45 Sc	1	2810428	1.38	3329630	84.4	30 - 120	
72 Ge	1	1649496	1.62	1929229	85.5	30 - 120	
115 In	1	5188498	1.09	5867712	88.4	30 - 120	
165 Ho	1	9704727	0.62	11189902	86.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\063_BLK.D\063_BLK.D#
Date Acquired: Apr 10 2012 06:55 pm
Operator: TEL
Sample Name: mb 280-114589/1-a
Misc Info: BLANK 114589 6020
Vial Number: 2310
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.002 ppb	345.02	2.00	
51 V	72	1	0.009 ppb	88.91	2.00	
52 Cr	72	1	0.003 ppb	358.97	2.00	
55 Mn	72	1	0.050 ppb	7.01	2.00	
59 Co	72	1	0.008 ppb	24.15	2.00	
60 Ni	72	1	0.012 ppb	43.90	2.00	
63 Cu	72	1	0.132 ppb	1.69	2.00	
66 Zn	72	1	1.043 ppb	0.95	2.00	
75 As	72	1	0.025 ppb	23.80	2.00	
78 Se	72	1	0.387 ppb	62.46	2.00	
95 Mo	72	1	0.059 ppb	11.33	2.00	
107 Ag	115	1	0.006 ppb	16.23	2.00	
111 Cd	115	1	0.003 ppb	447.79	2.00	
118 Sn	115	1	0.049 ppb	17.48	2.00	
121 Sb	115	1	0.027 ppb	4.52	2.00	
137 Ba	115	1	0.030 ppb	10.96	2.00	
205 Tl	165	1	0.020 ppb	6.52	2.00	
208 Pb	165	1	0.032 ppb	5.46	2.00	
232 Th	165	1	0.021 ppb	3.60	2.00	
238 U	165	1	0.011 ppb	4.60	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	559415	2.60	750540	74.5	30 - 120	
45 Sc	1	2819652	0.10	3329630	84.7	30 - 120	
72 Ge	1	1659182	0.62	1929229	86.0	30 - 120	
115 In	1	5259723	0.38	5867712	89.6	30 - 120	
165 Ho	1	9810409	0.67	11189902	87.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\064_LCS.D\064_LCS.D#
Date Acquired: Apr 10 2012 06:58 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-114589/2-a
Misc Info: LCS
Vial Number: 2311
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	44.26	2.45	40	110.7	80 - 120	
51 V	72	1	40.10	2.40	40	100.3	80 - 120	
52 Cr	72	1	38.90	0.15	40	97.3	80 - 120	
55 Mn	72	1	41.50	0.95	40	103.8	80 - 120	
59 Co	72	1	40.53	0.71	40	101.3	80 - 120	
60 Ni	72	1	37.56	0.15	40	93.9	80 - 120	
63 Cu	72	1	39.92	1.46	40	99.8	80 - 120	
66 Zn	72	1	41.27	0.72	40	103.2	80 - 120	
75 As	72	1	41.26	0.79	40	103.2	80 - 120	
78 Se	72	1	44.68	1.11	40	111.7	80 - 120	
95 Mo	72	1	39.04	1.05	40	97.6	80 - 120	
107 Ag	115	1	39.64	0.67	40	99.1	80 - 120	
111 Cd	115	1	39.48	0.67	40	98.7	80 - 120	
118 Sn	115	1	39.56	0.55	40	98.9	80 - 120	
121 Sb	115	1	39.47	0.24	40	98.7	80 - 120	
137 Ba	115	1	41.39	0.83	40	103.5	80 - 120	
205 Tl	165	1	41.13	0.22	40	102.8	80 - 120	
208 Pb	165	1	40.31	0.45	40	100.8	80 - 120	
232 Th	165	1	39.90	1.30	40	99.8	80 - 120	
238 U	165	1	39.49	1.74	40	98.7	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	556430	1.98	750540	74.1	30 - 120	
45 Sc	1	2827173	1.32	3329630	84.9	30 - 120	
72 Ge	1	1668285	1.02	1929229	86.5	30 - 120	
115 In	1	5237326	0.93	5867712	89.3	30 - 120	
165 Ho	1	9780172	0.57	11189902	87.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\065AREF.D\065AREF.D#
Date Acquired: Apr 10 2012 07:01 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27372-c-1-a
Misc Info:
Vial Number: 2312
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.05	0.05	ppb	30.18	3600	
51 V	72	1	1.52	1.52	ppb	2.78	3600	
52 Cr	72	1	4.52	4.52	ppb	2.00	3600	
55 Mn	72	1	10.50	10.50	ppb	1.99	18000	
59 Co	72	1	1.45	1.45	ppb	0.85	3600	
60 Ni	72	1	3.34	3.34	ppb	1.32	3600	
63 Cu	72	1	0.81	0.81	ppb	1.86	3600	
66 Zn	72	1	5.03	5.03	ppb	1.78	3600	
75 As	72	1	1.58	1.58	ppb	1.83	3600	
78 Se	72	1	0.82	0.82	ppb	23.73	3600	
95 Mo	72	1	0.18	0.18	ppb	5.74	3600	
107 Ag	115	1	0.02	0.02	ppb	22.63	3600	
111 Cd	115	1	0.02	0.02	ppb	19.28	3600	
118 Sn	115	1	0.16	0.16	ppb	6.91	3600	
121 Sb	115	1	0.14	0.14	ppb	0.75	3600	
137 Ba	115	1	9.04	9.04	ppb	0.87	3600	
205 Tl	165	1	0.07	0.07	ppb	12.11	3600	
208 Pb	165	1	0.82	0.82	ppb	2.59	3600	
232 Th	165	1	0.70	0.70	ppb	2.00	1000	
238 U	165	1	0.31	0.31	ppb	1.87	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	571078	0.10	750540	76.1	30 - 120	
45 Sc	1	2815855	0.64	3329630	84.6	30 - 120	
72 Ge	1	1615733	1.81	1929229	83.8	30 - 120	
115 In	1	5102529	0.27	5867712	87.0	30 - 120	
165 Ho	1	9565807	0.82	11189902	85.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\066SDIL.D\066SDIL.D#
Date Acquired: Apr 10 2012 07:04 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27372-c-1-a SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2401
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG041012.B\065AREF.D\065AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.02	ppb	66.76	0.01	199.6	90 - 110	
51 V	72	1	0.31	ppb	1.53	0.30	102.8	90 - 110	
52 Cr	72	1	0.90	ppb	1.60	0.90	99.5	90 - 110	
55 Mn	72	1	2.11	ppb	1.08	2.10	100.4	90 - 110	
59 Co	72	1	0.30	ppb	0.90	0.29	103.7	90 - 110	
60 Ni	72	1	0.67	ppb	7.17	0.67	99.9	90 - 110	
63 Cu	72	1	0.19	ppb	7.17	0.16	119.9	90 - 110	
66 Zn	72	1	0.99	ppb	3.91	1.01	98.8	90 - 110	
75 As	72	1	0.32	ppb	8.16	0.32	100.7	90 - 110	
78 Se	72	1	0.74	ppb	15.55	0.16	452.5	90 - 110	
95 Mo	72	1	0.08	ppb	4.82	0.04	220.2	90 - 110	
107 Ag	115	1	0.01	ppb	6.80	0.00	196.8	90 - 110	
111 Cd	115	1	0.01	ppb	28.56	0.00	444.1	90 - 110	
118 Sn	115	1	0.06	ppb	5.31	0.03	183.5	90 - 110	
121 Sb	115	1	0.04	ppb	3.87	0.03	141.9	90 - 110	
137 Ba	115	1	1.85	ppb	1.28	1.81	102.5	90 - 110	
205 Tl	165	1	0.02	ppb	9.34	0.01	134.9	90 - 110	
208 Pb	165	1	0.17	ppb	3.77	0.16	103.1	90 - 110	
232 Th	165	1	0.16	ppb	3.48	0.14	113.5	90 - 110	
238 U	165	1	0.07	ppb	3.71	0.06	108.6	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	560587	1.97	750540	74.7	30 - 120	
45 Sc	1	2810865	0.81	3329630	84.4	30 - 120	
72 Ge	1	1639358	0.68	1929229	85.0	30 - 120	
115 In	1	5164755	1.05	5867712	88.0	30 - 120	
165 Ho	1	9617789	0.80	11189902	86.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\067PDS.D\067PDS.D#
Date Acquired: Apr 10 2012 07:07 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27372-c-1-a PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2402
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	211.50	0.05	ppb	1.60	200	105.7	75 - 125	
51 V	72	1	190.70	1.52	ppb	0.66	200	94.6	75 - 125	
52 Cr	72	1	189.70	4.52	ppb	1.47	200	92.8	75 - 125	
55 Mn	72	1	203.90	10.50	ppb	1.25	200	96.9	75 - 125	
59 Co	72	1	191.50	1.45	ppb	2.41	200	95.1	75 - 125	
60 Ni	72	1	188.10	3.34	ppb	2.44	200	92.5	75 - 125	
63 Cu	72	1	185.40	0.81	ppb	1.18	200	92.3	75 - 125	
66 Zn	72	1	199.70	5.03	ppb	1.40	200	97.4	75 - 125	
75 As	72	1	207.70	1.58	ppb	1.45	200	103.0	75 - 125	
78 Se	72	1	213.10	0.82	ppb	0.34	200	106.1	75 - 125	
95 Mo	72	1	194.40	0.18	ppb	1.17	200	97.1	75 - 125	
107 Ag	115	1	47.74	0.02	ppb	0.83	50	95.4	75 - 125	
111 Cd	115	1	198.70	0.02	ppb	0.99	200	99.3	75 - 125	
118 Sn	115	1	192.80	0.16	ppb	0.96	200	96.3	75 - 125	
121 Sb	115	1	196.80	0.14	ppb	0.67	200	98.3	75 - 125	
137 Ba	115	1	216.00	9.04	ppb	1.29	200	103.3	75 - 125	
205 Tl	165	1	192.90	0.07	ppb	0.62	200	96.4	75 - 125	
208 Pb	165	1	191.60	0.82	ppb	0.92	200	95.4	75 - 125	
232 Th	165	1	0.67	0.70	ppb	4.05	200	0.3	75 - 125	
238 U	165	1	192.90	0.31	ppb	1.55	200	96.3	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	558994	2.38	750540	74.5	30 - 120	
45 Sc	1	2754732	0.45	3329630	82.7	30 - 120	
72 Ge	1	1603698	1.68	1929229	83.1	30 - 120	
115 In	1	5028979	0.23	5867712	85.7	30 - 120	
165 Ho	1	9536228	0.49	11189902	85.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\068_MS.D\068_MS.D#
Date Acquired: Apr 10 2012 07:09 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27372-c-1-b ms
Misc Info: MATRIX SPIKE
Vial Number: 2403
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	43.17	0.05	ppb	1.55	40	107.8	50 - 150	
51 V	72	1	42.21	1.52	ppb	1.13	40	101.7	50 - 150	
52 Cr	72	1	44.33	4.52	ppb	0.98	40	99.6	50 - 150	
55 Mn	72	1	52.06	10.50	ppb	0.12	40	103.1	50 - 150	
59 Co	72	1	42.17	1.45	ppb	1.92	40	101.7	50 - 150	
60 Ni	72	1	40.44	3.34	ppb	0.57	40	93.3	50 - 150	
63 Cu	72	1	39.86	0.81	ppb	0.44	40	97.7	50 - 150	
66 Zn	72	1	44.49	5.03	ppb	1.16	40	98.8	50 - 150	
75 As	72	1	43.31	1.58	ppb	0.38	40	104.2	50 - 150	
78 Se	72	1	44.78	0.82	ppb	2.61	40	109.7	50 - 150	
95 Mo	72	1	40.01	0.18	ppb	0.96	40	99.6	50 - 150	
107 Ag	115	1	38.60	0.02	ppb	0.45	40	96.5	50 - 150	
111 Cd	115	1	39.30	0.02	ppb	0.44	40	98.2	50 - 150	
118 Sn	115	1	36.91	0.16	ppb	1.63	40	91.9	50 - 150	
121 Sb	115	1	39.65	0.14	ppb	0.86	40	98.8	50 - 150	
137 Ba	115	1	50.77	9.04	ppb	0.88	40	103.5	50 - 150	
205 Tl	165	1	40.44	0.07	ppb	1.09	40	100.9	50 - 150	
208 Pb	165	1	40.46	0.82	ppb	0.63	40	99.1	50 - 150	
232 Th	165	1	39.23	0.70	ppb	1.76	40	96.4	50 - 150	
238 U	165	1	40.67	0.31	ppb	1.19	40	100.9	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	557927	0.12	750540	74.3	30 - 120	
45 Sc	1	2776429	0.58	3329630	83.4	30 - 120	
72 Ge	1	1613188	1.01	1929229	83.6	30 - 120	
115 In	1	5067727	0.47	5867712	86.4	30 - 120	
165 Ho	1	9597216	0.52	11189902	85.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\069_MSD.D\069_MSD.D#
Date Acquired: Apr 10 2012 07:12 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27372-c-1-c msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2404
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG041012.B\068_MS.D\068_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	42.56	ppb	1.21	43.17	1.42	20	
51 V	72	1	42.57	ppb	0.87	42.21	0.85	20	
52 Cr	72	1	43.76	ppb	1.33	44.33	1.29	20	
55 Mn	72	1	52.36	ppb	1.17	52.06	0.57	20	
59 Co	72	1	42.11	ppb	1.18	42.17	0.14	20	
60 Ni	72	1	40.26	ppb	0.43	40.44	0.45	20	
63 Cu	72	1	39.55	ppb	0.51	39.86	0.78	20	
66 Zn	72	1	43.56	ppb	0.84	44.49	2.11	20	
75 As	72	1	43.39	ppb	0.77	43.31	0.18	20	
78 Se	72	1	44.82	ppb	5.35	44.78	0.09	20	
95 Mo	72	1	39.42	ppb	0.62	40.01	1.49	20	
107 Ag	115	1	39.32	ppb	0.17	38.60	1.85	20	
111 Cd	115	1	39.53	ppb	0.75	39.30	0.58	20	
118 Sn	115	1	37.02	ppb	0.34	36.91	0.30	20	
121 Sb	115	1	40.00	ppb	0.37	39.65	0.88	20	
137 Ba	115	1	51.56	ppb	0.39	50.77	1.54	20	
205 Tl	165	1	40.98	ppb	1.50	40.44	1.33	20	
208 Pb	165	1	40.64	ppb	0.61	40.46	0.44	20	
232 Th	165	1	39.69	ppb	2.76	39.23	1.17	20	
238 U	165	1	40.93	ppb	0.75	40.67	0.64	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	566479	2.56	750540	75.5	30 - 120	
45 Sc	1	2755210	0.78	3329630	82.7	30 - 120	
72 Ge	1	1632010	0.75	1929229	84.6	30 - 120	
115 In	1	5039830	0.67	5867712	85.9	30 - 120	
165 Ho	1	9586893	0.67	11189902	85.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\070_CCV.D\070_CCV.D#
Date Acquired: Apr 10 2012 07:15 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.67	ppb	3.79	50	101.3	90 - 110	
51 V	72	1	50.13	ppb	0.82	50	100.3	90 - 110	
52 Cr	72	1	49.48	ppb	1.19	50	99.0	90 - 110	
55 Mn	72	1	51.36	ppb	1.99	50	102.7	90 - 110	
59 Co	72	1	49.73	ppb	1.43	50	99.5	90 - 110	
60 Ni	72	1	46.56	ppb	0.63	50	93.1	90 - 110	
63 Cu	72	1	48.33	ppb	1.33	50	96.7	90 - 110	
66 Zn	72	1	47.89	ppb	1.28	50	95.8	90 - 110	
75 As	72	1	49.51	ppb	1.08	50	99.0	90 - 110	
78 Se	72	1	52.03	ppb	1.16	50	104.1	90 - 110	
95 Mo	72	1	47.58	ppb	1.34	50	95.2	90 - 110	
107 Ag	115	1	48.21	ppb	0.68	50	96.4	90 - 110	
111 Cd	115	1	47.46	ppb	0.62	50	94.9	90 - 110	
118 Sn	115	1	47.90	ppb	0.65	50	95.8	90 - 110	
121 Sb	115	1	46.97	ppb	0.59	50	93.9	90 - 110	
137 Ba	115	1	50.95	ppb	0.37	50	101.9	90 - 110	
205 Tl	165	1	50.74	ppb	0.99	50	101.5	90 - 110	
208 Pb	165	1	50.04	ppb	0.64	50	100.1	90 - 110	
232 Th	165	1	49.77	ppb	0.69	50	99.5	90 - 110	
238 U	165	1	49.57	ppb	0.69	50	99.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	566374	2.95	750540	75.5	30 - 120	
45 Sc	1	2783262	0.18	3329630	83.6	30 - 120	
72 Ge	1	1633551	1.33	1929229	84.7	30 - 120	
115 In	1	5171028	0.16	5867712	88.1	30 - 120	
165 Ho	1	9639043	0.58	11189902	86.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\071_CCB.D\071_CCB.D#
Date Acquired: Apr 10 2012 07:18 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.011	ppb	182.35	1.00	
51 V	72	1	0.016	ppb	26.40	1.00	
52 Cr	72	1	-0.001	ppb	991.79	1.00	
55 Mn	72	1	0.040	ppb	3.67	1.00	
59 Co	72	1	0.007	ppb	9.31	1.00	
60 Ni	72	1	0.009	ppb	23.06	1.00	
63 Cu	72	1	0.041	ppb	21.88	1.00	
66 Zn	72	1	0.017	ppb	14.80	1.00	
75 As	72	1	0.015	ppb	48.36	1.00	
78 Se	72	1	0.316	ppb	41.97	1.00	
95 Mo	72	1	0.051	ppb	41.81	1.00	
107 Ag	115	1	0.011	ppb	13.17	1.00	
111 Cd	115	1	0.006	ppb	103.20	1.00	
118 Sn	115	1	0.043	ppb	10.53	1.00	
121 Sb	115	1	0.079	ppb	7.33	1.00	
137 Ba	115	1	0.018	ppb	15.93	1.00	
205 Tl	165	1	0.029	ppb	14.93	1.00	
208 Pb	165	1	0.013	ppb	20.08	1.00	
232 Th	165	1	0.093	ppb	13.46	1.00	
238 U	165	1	0.013	ppb	2.75	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	563933	1.41	750540	75.1	30 - 120	
45 Sc	1	2790699	0.60	3329630	83.8	30 - 120	
72 Ge	1	1648157	0.57	1929229	85.4	30 - 120	
115 In	1	5182182	1.06	5867712	88.3	30 - 120	
165 Ho	1	9676136	0.11	11189902	86.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\072SMPL.D\072SMPL.D#
Date Acquired: Apr 10 2012 07:21 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27372-c-2-a
Misc Info:
Vial Number: 2405
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.26	0.26	ppb	12.13	3600	
51 V	72	1	4.50	4.50	ppb	1.63	3600	
52 Cr	72	1	4.44	4.44	ppb	1.64	3600	
55 Mn	72	1	13.93	13.93	ppb	1.25	18000	
59 Co	72	1	3.38	3.38	ppb	1.01	3600	
60 Ni	72	1	2.66	2.66	ppb	0.87	3600	
63 Cu	72	1	1.03	1.03	ppb	1.32	3600	
66 Zn	72	1	6.60	6.60	ppb	0.68	3600	
75 As	72	1	1.95	1.95	ppb	0.67	3600	
78 Se	72	1	0.62	0.62	ppb	44.34	3600	
95 Mo	72	1	0.20	0.20	ppb	20.40	3600	
107 Ag	115	1	0.01	0.01	ppb	5.03	3600	
111 Cd	115	1	0.04	0.04	ppb	9.07	3600	
118 Sn	115	1	0.13	0.13	ppb	4.73	3600	
121 Sb	115	1	0.09	0.09	ppb	7.24	3600	
137 Ba	115	1	18.89	18.89	ppb	1.00	3600	
205 Tl	165	1	0.08	0.08	ppb	10.63	3600	
208 Pb	165	1	1.28	1.28	ppb	1.45	3600	
232 Th	165	1	0.70	0.70	ppb	0.96	1000	
238 U	165	1	0.36	0.36	ppb	0.48	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	555183	1.33	750540	74.0	30 - 120	
45 Sc	1	2749595	0.55	3329630	82.6	30 - 120	
72 Ge	1	1595667	0.86	1929229	82.7	30 - 120	
115 In	1	5039158	0.71	5867712	85.9	30 - 120	
165 Ho	1	9485660	0.76	11189902	84.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\073SMPL.D\073SMPL.D#
Date Acquired: Apr 10 2012 07:24 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27372-c-3-a
Misc Info:
Vial Number: 2406
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.12	0.12	ppb	24.67	3600	
51 V	72	1	3.23	3.23	ppb	1.34	3600	
52 Cr	72	1	5.24	5.24	ppb	1.12	3600	
55 Mn	72	1	10.00	10.00	ppb	0.30	18000	
59 Co	72	1	0.34	0.34	ppb	1.56	3600	
60 Ni	72	1	0.76	0.76	ppb	3.91	3600	
63 Cu	72	1	0.72	0.72	ppb	0.91	3600	
66 Zn	72	1	2.57	2.57	ppb	0.80	3600	
75 As	72	1	1.53	1.53	ppb	2.31	3600	
78 Se	72	1	0.91	0.91	ppb	26.45	3600	
95 Mo	72	1	0.15	0.15	ppb	9.22	3600	
107 Ag	115	1	0.01	0.01	ppb	24.22	3600	
111 Cd	115	1	0.08	0.08	ppb	101.10	3600	
118 Sn	115	1	0.11	0.11	ppb	5.97	3600	
121 Sb	115	1	0.12	0.12	ppb	2.50	3600	
137 Ba	115	1	25.77	25.77	ppb	2.01	3600	
205 Tl	165	1	0.02	0.02	ppb	5.83	3600	
208 Pb	165	1	2.45	2.45	ppb	1.27	3600	
232 Th	165	1	0.90	0.90	ppb	2.25	1000	
238 U	165	1	0.45	0.45	ppb	2.20	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	552132	2.39	750540	73.6	30 - 120	
45 Sc	1	2762229	0.66	3329630	83.0	30 - 120	
72 Ge	1	1589177	0.75	1929229	82.4	30 - 120	
115 In	1	5058305	0.63	5867712	86.2	30 - 120	
165 Ho	1	9486722	0.35	11189902	84.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\074SMPL.D\074SMPL.D#
Date Acquired: Apr 10 2012 07:27 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27372-c-4-a
Misc Info:
Vial Number: 2407
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.05	0.05	ppb	48.09	3600	
51 V	72	1	4.09	4.09	ppb	2.11	3600	
52 Cr	72	1	4.25	4.25	ppb	2.08	3600	
55 Mn	72	1	180.40	180.40	ppb	0.95	18000	
59 Co	72	1	1.43	1.43	ppb	3.33	3600	
60 Ni	72	1	3.13	3.13	ppb	2.86	3600	
63 Cu	72	1	0.68	0.68	ppb	1.34	3600	
66 Zn	72	1	22.41	22.41	ppb	0.87	3600	
75 As	72	1	3.99	3.99	ppb	1.64	3600	
78 Se	72	1	1.38	1.38	ppb	5.53	3600	
95 Mo	72	1	0.32	0.32	ppb	1.11	3600	
107 Ag	115	1	0.01	0.01	ppb	18.61	3600	
111 Cd	115	1	0.05	0.05	ppb	44.31	3600	
118 Sn	115	1	0.12	0.12	ppb	7.49	3600	
121 Sb	115	1	0.38	0.38	ppb	2.07	3600	
137 Ba	115	1	19.65	19.65	ppb	0.48	3600	
205 Tl	165	1	0.04	0.04	ppb	2.74	3600	
208 Pb	165	1	0.95	0.95	ppb	1.27	3600	
232 Th	165	1	0.55	0.55	ppb	2.25	1000	
238 U	165	1	0.41	0.41	ppb	2.26	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	547067	0.27	750540	72.9	30 - 120	
45 Sc	1	2791290	1.11	3329630	83.8	30 - 120	
72 Ge	1	1607006	1.28	1929229	83.3	30 - 120	
115 In	1	5032669	0.62	5867712	85.8	30 - 120	
165 Ho	1	9606522	0.77	11189902	85.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\075SMPL.D\075SMPL.D#
Date Acquired: Apr 10 2012 07:29 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27372-c-5-a
Misc Info:
Vial Number: 2408
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	338.97	3600	
51 V	72	1	0.01	0.01	ppb	195.43	3600	
52 Cr	72	1	0.04	0.04	ppb	5.64	3600	
55 Mn	72	1	0.94	0.94	ppb	1.63	18000	
59 Co	72	1	0.00	0.00	ppb	26.64	3600	
60 Ni	72	1	0.02	0.02	ppb	32.18	3600	
63 Cu	72	1	0.26	0.26	ppb	5.12	3600	
66 Zn	72	1	1.38	1.38	ppb	2.49	3600	
75 As	72	1	0.01	0.01	ppb	57.57	3600	
78 Se	72	1	0.33	0.33	ppb	25.13	3600	
95 Mo	72	1	0.03	0.03	ppb	18.95	3600	
107 Ag	115	1	0.00	0.00	ppb	81.14	3600	
111 Cd	115	1	-0.01	-0.01	ppb	96.60	3600	
118 Sn	115	1	0.05	0.05	ppb	5.53	3600	
121 Sb	115	1	0.01	0.01	ppb	3.35	3600	
137 Ba	115	1	0.05	0.05	ppb	21.60	3600	
205 Tl	165	1	0.00	0.00	ppb	11.45	3600	
208 Pb	165	1	0.02	0.02	ppb	7.49	3600	
232 Th	165	1	0.01	0.01	ppb	3.91	1000	
238 U	165	1	0.00	0.00	ppb	4.62	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	561697	1.71	750540	74.8	30 - 120	
45 Sc	1	2827831	0.11	3329630	84.9	30 - 120	
72 Ge	1	1658047	0.75	1929229	85.9	30 - 120	
115 In	1	5240976	0.58	5867712	89.3	30 - 120	
165 Ho	1	9602957	0.89	11189902	85.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\076SMPL.D\076SMPL.D#
Date Acquired: Apr 10 2012 07:32 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27392-a-9-a
Misc Info:
Vial Number: 2409
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 04:07 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	260.59	3600	
51 V	72	1	7.54	7.54	ppb	2.93	3600	
52 Cr	72	1	1.06	1.06	ppb	3.88	3600	
55 Mn	72	1	2.04	2.04	ppb	1.27	18000	
59 Co	72	1	0.11	0.11	ppb	10.97	3600	
60 Ni	72	1	0.71	0.71	ppb	1.70	3600	
63 Cu	72	1	0.36	0.36	ppb	8.43	3600	
66 Zn	72	1	1.45	1.45	ppb	2.43	3600	
75 As	72	1	1.92	1.92	ppb	0.76	3600	
78 Se	72	1	3.23	3.23	ppb	7.35	3600	
95 Mo	72	1	1.80	1.80	ppb	0.77	3600	
107 Ag	115	1	0.01	0.01	ppb	33.07	3600	
111 Cd	115	1	0.02	0.02	ppb	17.57	3600	
118 Sn	115	1	0.09	0.09	ppb	8.91	3600	
121 Sb	115	1	0.05	0.05	ppb	5.35	3600	
137 Ba	115	1	102.50	102.50	ppb	1.38	3600	
205 Tl	165	1	0.02	0.02	ppb	2.68	3600	
208 Pb	165	1	0.12	0.12	ppb	18.08	3600	
232 Th	165	1	0.05	0.05	ppb	5.23	1000	
238 U	165	1	8.01	8.01	ppb	1.13	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	501837	0.82	750540	66.9	30 - 120	
45 Sc	1	2479981	1.43	3329630	74.5	30 - 120	
72 Ge	1	1356225	0.94	1929229	70.3	30 - 120	
115 In	1	4384613	0.55	5867712	74.7	30 - 120	
165 Ho	1	8788052	0.98	11189902	78.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\077_CCV.D\077_CCV.D#
Date Acquired: Apr 10 2012 07:35 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.08	ppb	1.37	50	102.2	90 - 110	
51 V	72	1	50.04	ppb	1.75	50	100.1	90 - 110	
52 Cr	72	1	48.87	ppb	0.83	50	97.7	90 - 110	
55 Mn	72	1	52.04	ppb	1.68	50	104.1	90 - 110	
59 Co	72	1	50.77	ppb	0.71	50	101.5	90 - 110	
60 Ni	72	1	47.29	ppb	0.58	50	94.6	90 - 110	
63 Cu	72	1	49.00	ppb	1.29	50	98.0	90 - 110	
66 Zn	72	1	48.57	ppb	0.83	50	97.1	90 - 110	
75 As	72	1	49.84	ppb	0.36	50	99.7	90 - 110	
78 Se	72	1	52.21	ppb	0.91	50	104.4	90 - 110	
95 Mo	72	1	48.09	ppb	0.56	50	96.2	90 - 110	
107 Ag	115	1	48.69	ppb	0.45	50	97.4	90 - 110	
111 Cd	115	1	47.59	ppb	0.41	50	95.2	90 - 110	
118 Sn	115	1	48.00	ppb	0.12	50	96.0	90 - 110	
121 Sb	115	1	47.13	ppb	0.32	50	94.3	90 - 110	
137 Ba	115	1	50.92	ppb	0.71	50	101.8	90 - 110	
205 Tl	165	1	50.14	ppb	1.21	50	100.3	90 - 110	
208 Pb	165	1	49.83	ppb	0.97	50	99.7	90 - 110	
232 Th	165	1	49.81	ppb	2.25	50	99.6	90 - 110	
238 U	165	1	48.85	ppb	1.30	50	97.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	563949	2.46	750540	75.1	30 - 120	
45 Sc	1	2804635	0.19	3329630	84.2	30 - 120	
72 Ge	1	1632862	0.44	1929229	84.6	30 - 120	
115 In	1	5201966	0.65	5867712	88.7	30 - 120	
165 Ho	1	9686490	0.41	11189902	86.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\078_CCB.D\078_CCB.D#
Date Acquired: Apr 10 2012 07:38 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	-0.007	ppb	0.00	1.00	
51 V	72	1	0.008	ppb	68.71	1.00	
52 Cr	72	1	-0.004	ppb	86.32	1.00	
55 Mn	72	1	0.027	ppb	14.64	1.00	
59 Co	72	1	0.005	ppb	22.80	1.00	
60 Ni	72	1	0.009	ppb	26.11	1.00	
63 Cu	72	1	0.044	ppb	13.41	1.00	
66 Zn	72	1	0.014	ppb	51.99	1.00	
75 As	72	1	0.027	ppb	34.31	1.00	
78 Se	72	1	0.553	ppb	31.86	1.00	
95 Mo	72	1	0.024	ppb	36.65	1.00	
107 Ag	115	1	0.006	ppb	60.14	1.00	
111 Cd	115	1	0.004	ppb	350.63	1.00	
118 Sn	115	1	0.028	ppb	6.79	1.00	
121 Sb	115	1	0.065	ppb	10.82	1.00	
137 Ba	115	1	0.015	ppb	23.94	1.00	
205 Tl	165	1	0.024	ppb	11.24	1.00	
208 Pb	165	1	0.010	ppb	25.07	1.00	
232 Th	165	1	0.076	ppb	7.71	1.00	
238 U	165	1	0.009	ppb	6.91	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	554126	1.46	750540	73.8	30 - 120	
45 Sc	1	2817982	1.05	3329630	84.6	30 - 120	
72 Ge	1	1630928	0.50	1929229	84.5	30 - 120	
115 In	1	5190107	0.31	5867712	88.5	30 - 120	
165 Ho	1	9701552	1.09	11189902	86.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\079WASH.D\079WASH.D#
Date Acquired: Apr 10 2012 07:41 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.002 ppb	598.97	1.30	
51 V	72	1	-0.132 ppb	19.59	6.50	
52 Cr	72	1	1.329 ppb	3.03	2.60	
55 Mn	72	1	0.747 ppb	0.74	1.30	
59 Co	72	1	0.082 ppb	3.35	1.30	
60 Ni	72	1	1.066 ppb	6.75	2.60	
63 Cu	72	1	5.816 ppb	0.94	2.60	
66 Zn	72	1	3.386 ppb	1.42	13.00	
75 As	72	1	0.679 ppb	3.74	6.50	
78 Se	72	1	0.249 ppb	87.75	6.50	
95 Mo	72	1	2289.000 ppb	0.58	2.60	
107 Ag	115	1	0.068 ppb	7.94	6.50	
111 Cd	115	1	0.925 ppb	0.39	1.30	
118 Sn	115	1	0.194 ppb	7.49	13.00	
121 Sb	115	1	0.333 ppb	0.68	2.60	
137 Ba	115	1	0.220 ppb	3.72	1.30	
205 Tl	165	1	0.046 ppb	26.43	1.30	
208 Pb	165	1	0.178 ppb	5.05	1.30	
232 Th	165	1	0.072 ppb	19.10	2.60	
238 U	165	1	0.011 ppb	3.88	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	479638	0.87	750540	63.9	30 - 120	
45 Sc	1	2310109	0.36	3329630	69.4	30 - 120	
72 Ge	1	1332212	0.37	1929229	69.1	30 - 120	
115 In	1	4202845	0.76	5867712	71.6	30 - 120	
165 Ho	1	8197780	0.89	11189902	73.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\080WASH.D\080WASH.D#
Date Acquired: Apr 10 2012 07:44 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.002 ppb	333.13	1.30	
51 V	72	1	0.005 ppb	145.92	6.50	
52 Cr	72	1	-0.002 ppb	206.48	2.60	
55 Mn	72	1	0.022 ppb	16.01	1.30	
59 Co	72	1	0.002 ppb	49.91	1.30	
60 Ni	72	1	0.005 ppb	89.85	2.60	
63 Cu	72	1	0.055 ppb	5.89	2.60	
66 Zn	72	1	0.032 ppb	22.95	13.00	
75 As	72	1	0.022 ppb	56.37	6.50	
78 Se	72	1	0.473 ppb	24.77	6.50	
95 Mo	72	1	0.312 ppb	10.51	2.60	
107 Ag	115	1	0.002 ppb	59.25	6.50	
111 Cd	115	1	0.007 ppb	43.81	1.30	
118 Sn	115	1	0.025 ppb	9.95	13.00	
121 Sb	115	1	0.016 ppb	22.75	2.60	
137 Ba	115	1	0.014 ppb	18.77	1.30	
205 Tl	165	1	0.006 ppb	11.99	1.30	
208 Pb	165	1	0.004 ppb	14.58	1.30	
232 Th	165	1	0.011 ppb	3.88	2.60	
238 U	165	1	0.004 ppb	9.17	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	559021	1.71	750540	74.5	30 - 120	
45 Sc	1	2835699	0.18	3329630	85.2	30 - 120	
72 Ge	1	1682470	0.57	1929229	87.2	30 - 120	
115 In	1	5308729	0.77	5867712	90.5	30 - 120	
165 Ho	1	9765813	1.15	11189902	87.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\081WASH.D\081WASH.D#
Date Acquired: Apr 10 2012 07:47 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.016 ppb	100.12	1.30	
51 V	72	1	-0.003 ppb	194.64	6.50	
52 Cr	72	1	-0.004 ppb	169.99	2.60	
55 Mn	72	1	0.025 ppb	8.76	1.30	
59 Co	72	1	0.004 ppb	22.12	1.30	
60 Ni	72	1	0.006 ppb	89.83	2.60	
63 Cu	72	1	0.046 ppb	4.60	2.60	
66 Zn	72	1	0.032 ppb	43.21	13.00	
75 As	72	1	0.017 ppb	51.26	6.50	
78 Se	72	1	0.580 ppb	50.49	6.50	
95 Mo	72	1	0.124 ppb	14.12	2.60	
107 Ag	115	1	0.001 ppb	37.43	6.50	
111 Cd	115	1	-0.002 ppb	307.96	1.30	
118 Sn	115	1	0.018 ppb	39.77	13.00	
121 Sb	115	1	0.011 ppb	32.90	2.60	
137 Ba	115	1	0.012 ppb	30.45	1.30	
205 Tl	165	1	0.004 ppb	14.96	1.30	
208 Pb	165	1	0.003 ppb	15.89	1.30	
232 Th	165	1	0.008 ppb	3.30	2.60	
238 U	165	1	0.004 ppb	11.02	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	561536	1.45	750540	74.8	30 - 120	
45 Sc	1	2899219	1.56	3329630	87.1	30 - 120	
72 Ge	1	1708891	1.46	1929229	88.6	30 - 120	
115 In	1	5336419	1.61	5867712	90.9	30 - 120	
165 Ho	1	9710767	0.29	11189902	86.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\082WASH.D\082WASH.D#
Date Acquired: Apr 10 2012 07:50 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.002 ppb	719.31	1.30	
51 V	72	1	0.004 ppb	330.29	6.50	
52 Cr	72	1	-0.008 ppb	14.08	2.60	
55 Mn	72	1	0.030 ppb	1.73	1.30	
59 Co	72	1	0.004 ppb	57.78	1.30	
60 Ni	72	1	0.002 ppb	102.38	2.60	
63 Cu	72	1	0.041 ppb	14.61	2.60	
66 Zn	72	1	0.029 ppb	57.16	13.00	
75 As	72	1	0.014 ppb	66.83	6.50	
78 Se	72	1	0.591 ppb	33.23	6.50	
95 Mo	72	1	0.077 ppb	23.61	2.60	
107 Ag	115	1	0.000 ppb	96.20	6.50	
111 Cd	115	1	0.005 ppb	297.53	1.30	
118 Sn	115	1	0.017 ppb	31.71	13.00	
121 Sb	115	1	0.008 ppb	12.03	2.60	
137 Ba	115	1	0.013 ppb	24.57	1.30	
205 Tl	165	1	0.003 ppb	27.74	1.30	
208 Pb	165	1	0.003 ppb	15.31	1.30	
232 Th	165	1	0.006 ppb	5.72	2.60	
238 U	165	1	0.003 ppb	8.54	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	569769	1.24	750540	75.9	30 - 120	
45 Sc	1	2931874	1.36	3329630	88.1	30 - 120	
72 Ge	1	1702438	0.52	1929229	88.2	30 - 120	
115 In	1	5401899	0.40	5867712	92.1	30 - 120	
165 Ho	1	9861834	0.91	11189902	88.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\083WASH.D\083WASH.D#
Date Acquired: Apr 10 2012 07:53 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.007 ppb	196.53	1.30	
51 V	72	1	0.006 ppb	178.15	6.50	
52 Cr	72	1	-0.004 ppb	173.91	2.60	
55 Mn	72	1	0.028 ppb	6.44	1.30	
59 Co	72	1	0.002 ppb	48.71	1.30	
60 Ni	72	1	-0.001 ppb	419.04	2.60	
63 Cu	72	1	0.043 ppb	8.67	2.60	
66 Zn	72	1	0.017 ppb	11.77	13.00	
75 As	72	1	0.016 ppb	39.70	6.50	
78 Se	72	1	0.255 ppb	68.50	6.50	
95 Mo	72	1	0.043 ppb	18.62	2.60	
107 Ag	115	1	0.001 ppb	186.11	6.50	
111 Cd	115	1	0.000 ppb	1955.50	1.30	
118 Sn	115	1	0.017 ppb	47.14	13.00	
121 Sb	115	1	0.008 ppb	4.66	2.60	
137 Ba	115	1	0.014 ppb	19.54	1.30	
205 Tl	165	1	0.003 ppb	7.69	1.30	
208 Pb	165	1	0.003 ppb	24.76	1.30	
232 Th	165	1	0.006 ppb	13.93	2.60	
238 U	165	1	0.004 ppb	17.36	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	563520	2.90	750540	75.1	30 - 120	
45 Sc	1	2901197	0.46	3329630	87.1	30 - 120	
72 Ge	1	1705348	0.96	1929229	88.4	30 - 120	
115 In	1	5363150	0.45	5867712	91.4	30 - 120	
165 Ho	1	9779983	0.78	11189902	87.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\084CAL
Date Acquired: Apr 10 2012 07:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 04:07 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	10	173.19
51	V	72	1	123	14.97
52	Cr	72	1	2367	2.58
55	Mn	72	1	1187	7.02
59	Co	72	1	217	23.23
60	Ni	72	1	147	21.92
63	Cu	72	1	1780	11.28
66	Zn	72	1	429	3.31
75	As	72	1	142	3.73
78	Se	72	1	613	17.43
95	Mo	72	1	843	7.62
107	Ag	115	1	53	28.65
111	Cd	115	1	450	5.73
118	Sn	115	1	513	4.06
121	Sb	115	1	148	22.71
137	Ba	115	1	100	11.55
205	Tl	165	1	342	8.73
208	Pb	165	1	894	5.80
232	Th	165	1	510	17.43
238	U	165	1	407	6.51

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	561950	0.61
45	Sc	1	2907624	0.36
72	Ge	1	1691104	1.12
115	In	1	5322249	0.34
165	Ho	1	9762268	0.25

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\085CAL
Date Acquired: Apr 10 2012 07:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 07:56 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	90	256.58
52	Cr	72	1	2430	2.85
55	Mn	72	1	1100	9.58
59	Co	72	1	293	7.10
60	Ni	72	1	180	9.62
63	Cu	72	1	1713	9.36
66	Zn	72	1	437	3.05
75	As	72	1	152	8.22
78	Se	72	1	573	8.06
95	Mo	72	1	717	12.19
107	Ag	115	1	63	48.24
111	Cd	115	1	489	9.15
118	Sn	115	1	577	17.79
121	Sb	115	1	142	27.77
137	Ba	115	1	121	20.84
205	Tl	165	1	329	10.35
208	Pb	165	1	873	4.04
232	Th	165	1	537	7.53
238	U	165	1	344	7.88

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	561346	1.70
45	Sc	1	2907664	0.38
72	Ge	1	1712073	0.40
115	In	1	5316369	0.22
165	Ho	1	9765566	0.79

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\086CAL
Date Acquired: Apr 10 2012 08:02 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1353181
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 07:59 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	7	86.61
51	V	72	1	174	107.37
52	Cr	72	1	2627	15.50
55	Mn	72	1	943	18.68
59	Co	72	1	257	22.83
60	Ni	72	1	113	18.37
63	Cu	72	1	1764	11.36
66	Zn	72	1	459	13.32
75	As	72	1	145	10.38
78	Se	72	1	580	12.07
95	Mo	72	1	640	11.27
107	Ag	115	1	67	22.92
111	Cd	115	1	480	4.54
118	Sn	115	1	547	17.77
121	Sb	115	1	116	10.13
137	Ba	115	1	119	12.95
205	Tl	165	1	309	11.44
208	Pb	165	1	790	2.11
232	Th	165	1	430	9.30
238	U	165	1	298	10.40

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	562663	1.25
45	Sc	1	2876911	1.06
72	Ge	1	1677099	0.33
115	In	1	5335087	0.25
165	Ho	1	9726904	0.91

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\087ICAL.D\087ICAL.D#
Date Acquired: Apr 10 2012 08:04 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1353131
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:02 pm
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	74387	1.63
51 V	72	1	2266985	0.97
52 Cr	72	1	2519999	0.44
55 Mn	72	1	2433549	0.35
59 Co	72	1	3548880	0.39
60 Ni	72	1	866792	0.54
63 Cu	72	1	2075598	0.40
66 Zn	72	1	336124	0.31
75 As	72	1	257355	0.12
78 Se	72	1	43529	1.61
95 Mo	72	1	1033595	1.01
107 Ag	115	1	3149480	0.47
111 Cd	115	1	525753	0.31
118 Sn	115	1	1467012	1.19
121 Sb	115	1	1421412	1.71
137 Ba	115	1	685376	0.25
205 Tl	165	1	5375532	0.23
208 Pb	165	1	7394366	0.42
232 Th	165	1	7074922	1.56
238 U	165	1	7580142	1.26

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	549134	1.99	562663	97.6	30 - 120	
45 Sc	1	2812113	0.71	2876911	97.7	30 - 120	
72 Ge	1	1653133	0.41	1677099	98.6	30 - 120	
115 In	1	5216057	0.37	5335087	97.8	30 - 120	
165 Ho	1	9603739	0.19	9726904	98.7	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\088_CCV.D\088_CCV.D#
Date Acquired: Apr 10 2012 08:07 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.74	ppb	2.16	50	99.5	90 - 110	
51 V	72	1	51.01	ppb	1.31	50	102.0	90 - 110	
52 Cr	72	1	50.61	ppb	1.97	50	101.2	90 - 110	
55 Mn	72	1	50.32	ppb	0.44	50	100.6	90 - 110	
59 Co	72	1	50.79	ppb	0.64	50	101.6	90 - 110	
60 Ni	72	1	48.47	ppb	0.28	50	96.9	90 - 110	
63 Cu	72	1	50.04	ppb	1.27	50	100.1	90 - 110	
66 Zn	72	1	49.48	ppb	0.49	50	99.0	90 - 110	
75 As	72	1	49.34	ppb	0.53	50	98.7	90 - 110	
78 Se	72	1	49.18	ppb	2.72	50	98.4	90 - 110	
95 Mo	72	1	48.78	ppb	0.37	50	97.6	90 - 110	
107 Ag	115	1	51.06	ppb	0.72	50	102.1	90 - 110	
111 Cd	115	1	49.71	ppb	0.74	50	99.4	90 - 110	
118 Sn	115	1	48.54	ppb	0.74	50	97.1	90 - 110	
121 Sb	115	1	49.08	ppb	0.33	50	98.2	90 - 110	
137 Ba	115	1	50.01	ppb	0.49	50	100.0	90 - 110	
205 Tl	165	1	50.49	ppb	1.53	50	101.0	90 - 110	
208 Pb	165	1	50.09	ppb	0.54	50	100.2	90 - 110	
232 Th	165	1	49.76	ppb	0.73	50	99.5	90 - 110	
238 U	165	1	49.70	ppb	0.35	50	99.4	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	544674	1.56	562663	96.8	30 - 120	
45 Sc	1	2817071	1.20	2876911	97.9	30 - 120	
72 Ge	1	1645015	0.20	1677099	98.1	30 - 120	
115 In	1	5176334	0.82	5335087	97.0	30 - 120	
165 Ho	1	9540079	0.17	9726904	98.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\089_CCB.D\089_CCB.D#
Date Acquired: Apr 10 2012 08:10 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	-0.004	ppb	190.66	1.00	
51 V	72	1	-0.007	ppb	93.38	1.00	
52 Cr	72	1	-0.001	ppb	593.13	1.00	
55 Mn	72	1	0.011	ppb	17.91	1.00	
59 Co	72	1	0.005	ppb	22.54	1.00	
60 Ni	72	1	0.009	ppb	13.46	1.00	
63 Cu	72	1	0.011	ppb	52.84	1.00	
66 Zn	72	1	-0.008	ppb	96.61	1.00	
75 As	72	1	0.002	ppb	219.53	1.00	
78 Se	72	1	0.008	ppb	3010.50	1.00	
95 Mo	72	1	0.019	ppb	27.21	1.00	
107 Ag	115	1	0.014	ppb	45.78	1.00	
111 Cd	115	1	0.015	ppb	46.66	1.00	
118 Sn	115	1	0.034	ppb	19.48	1.00	
121 Sb	115	1	0.096	ppb	0.28	1.00	
137 Ba	115	1	0.006	ppb	33.43	1.00	
205 Tl	165	1	0.028	ppb	7.53	1.00	
208 Pb	165	1	0.010	ppb	16.96	1.00	
232 Th	165	1	0.084	ppb	9.97	1.00	
238 U	165	1	0.009	ppb	12.38	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	540405	0.46	562663	96.0	30 - 120	
45 Sc	1	2812599	1.00	2876911	97.8	30 - 120	
72 Ge	1	1648555	0.48	1677099	98.3	30 - 120	
115 In	1	5249460	0.87	5335087	98.4	30 - 120	
165 Ho	1	9509800	0.52	9726904	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\090WASH.D\090WASH.D#
Date Acquired: Apr 10 2012 08:13 pm
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.101 ppb	15.51	1.30	
51 V	72	1	5.292 ppb	2.22	6.50	
52 Cr	72	1	2.103 ppb	3.38	2.60	
55 Mn	72	1	1.182 ppb	3.53	1.30	
59 Co	72	1	1.062 ppb	3.20	1.30	
60 Ni	72	1	2.111 ppb	3.02	2.60	
63 Cu	72	1	2.172 ppb	0.51	2.60	
66 Zn	72	1	10.880 ppb	1.87	13.00	
75 As	72	1	5.035 ppb	1.77	6.50	
78 Se	72	1	4.963 ppb	1.04	6.50	
95 Mo	72	1	2.144 ppb	1.57	2.60	
107 Ag	115	1	5.191 ppb	0.75	6.50	
111 Cd	115	1	1.060 ppb	4.68	1.30	
118 Sn	115	1	10.130 ppb	1.09	13.00	
121 Sb	115	1	2.099 ppb	1.60	2.60	
137 Ba	115	1	1.064 ppb	1.90	1.30	
205 Tl	165	1	1.083 ppb	1.27	1.30	
208 Pb	165	1	1.053 ppb	0.74	1.30	
232 Th	165	1	2.061 ppb	2.35	2.60	
238 U	165	1	1.037 ppb	0.68	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	542090	1.90	562663	96.3	30 - 120	
45 Sc	1	2791019	0.32	2876911	97.0	30 - 120	
72 Ge	1	1640875	0.70	1677099	97.8	30 - 120	
115 In	1	5172091	0.45	5335087	96.9	30 - 120	
165 Ho	1	9462983	0.55	9726904	97.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\091_BLK.D\091_BLK.D#
Date Acquired: Apr 10 2012 08:16 pm
Operator: TEL
Sample Name: mb 280-114678/1-a
Misc Info: BLANK 114678 Soil/DoD4/6020A
Vial Number: 2510
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	5922.40	2.00	
51 V	72	1	0.009 ppb	101.56	2.00	
52 Cr	72	1	0.036 ppb	14.10	2.00	
55 Mn	72	1	0.031 ppb	8.84	2.00	
59 Co	72	1	0.002 ppb	54.70	2.00	
60 Ni	72	1	0.049 ppb	8.17	2.00	
63 Cu	72	1	0.281 ppb	6.18	2.00	
66 Zn	72	1	0.397 ppb	3.07	2.00	
75 As	72	1	0.011 ppb	40.16	2.00	
78 Se	72	1	0.199 ppb	76.60	2.00	
95 Mo	72	1	0.005 ppb	119.96	2.00	
107 Ag	115	1	0.004 ppb	26.85	2.00	
111 Cd	115	1	0.019 ppb	68.66	2.00	
118 Sn	115	1	0.106 ppb	10.67	2.00	
121 Sb	115	1	0.023 ppb	10.59	2.00	
137 Ba	115	1	0.094 ppb	6.70	2.00	
205 Tl	165	1	0.007 ppb	18.61	2.00	
208 Pb	165	1	0.076 ppb	2.66	2.00	
232 Th	165	1	0.023 ppb	3.06	2.00	
238 U	165	1	0.004 ppb	9.09	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	553855	1.03	562663	98.4	30 - 120	
45 Sc	1	2800267	1.31	2876911	97.3	30 - 120	
72 Ge	1	1651738	0.21	1677099	98.5	30 - 120	
115 In	1	5194940	0.81	5335087	97.4	30 - 120	
165 Ho	1	9524845	0.33	9726904	97.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\092_LCS.D\092_LCS.D#
Date Acquired: Apr 10 2012 08:19 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-114678/2-a
Misc Info: LCS
Vial Number: 2511
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	40.48	3.10	40	101.2	80 - 120	
51 V	72	1	41.28	1.66	40	103.2	80 - 120	
52 Cr	72	1	41.52	1.07	40	103.8	80 - 120	
55 Mn	72	1	41.40	0.75	40	103.5	80 - 120	
59 Co	72	1	40.83	1.11	40	102.1	80 - 120	
60 Ni	72	1	39.04	0.98	40	97.6	80 - 120	
63 Cu	72	1	40.18	0.91	40	100.5	80 - 120	
66 Zn	72	1	39.46	1.18	40	98.7	80 - 120	
75 As	72	1	39.00	1.53	40	97.5	80 - 120	
78 Se	72	1	38.41	1.25	40	96.0	80 - 120	
95 Mo	72	1	39.53	1.17	40	98.8	80 - 120	
107 Ag	115	1	40.14	1.56	40	100.4	80 - 120	
111 Cd	115	1	38.84	1.10	40	97.1	80 - 120	
118 Sn	115	1	39.26	0.53	40	98.2	80 - 120	
121 Sb	115	1	39.15	0.94	40	97.9	80 - 120	
137 Ba	115	1	40.12	1.15	40	100.3	80 - 120	
205 Tl	165	1	40.15	1.43	40	100.4	80 - 120	
208 Pb	165	1	41.08	1.01	40	102.7	80 - 120	
232 Th	165	1	39.47	1.48	40	98.7	80 - 120	
238 U	165	1	40.18	0.64	40	100.5	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	539613	1.38	562663	95.9	30 - 120	
45 Sc	1	2796695	0.38	2876911	97.2	30 - 120	
72 Ge	1	1621606	1.40	1677099	96.7	30 - 120	
115 In	1	5160572	0.93	5335087	96.7	30 - 120	
165 Ho	1	9492351	0.68	9726904	97.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\093AREF.D\093AREF.D#
Date Acquired: Apr 10 2012 08:22 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-1-a
Misc Info:
Vial Number: 2512
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.50	0.50	ppb	12.55	3600	
51 V	72	1	49.48	49.48	ppb	1.37	3600	
52 Cr	72	1	29.54	29.54	ppb	1.92	3600	
55 Mn	72	1	661.70	661.70	ppb	1.79	18000	
59 Co	72	1	18.12	18.12	ppb	0.20	3600	
60 Ni	72	1	13.14	13.14	ppb	1.10	3600	
63 Cu	72	1	100.90	100.90	ppb	1.33	3600	
66 Zn	72	1	52.17	52.17	ppb	0.39	3600	
75 As	72	1	17.91	17.91	ppb	1.19	3600	
78 Se	72	1	0.88	0.88	ppb	32.34	3600	
95 Mo	72	1	1.49	1.49	ppb	1.23	3600	
107 Ag	115	1	0.12	0.12	ppb	7.21	3600	
111 Cd	115	1	0.49	0.49	ppb	6.92	3600	
118 Sn	115	1	0.37	0.37	ppb	4.06	3600	
121 Sb	115	1	0.87	0.87	ppb	2.69	3600	
137 Ba	115	1	45.90	45.90	ppb	0.42	3600	
205 Tl	165	1	0.78	0.78	ppb	8.88	3600	
208 Pb	165	1	2,686.00	2686.00	ppb	0.36	3600	
232 Th	165	1	6.24	6.24	ppb	1.14	1000	
238 U	165	1	0.97	0.97	ppb	0.91	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	542040	0.97	562663	96.3	30 - 120	
45 Sc	1	2800382	1.12	2876911	97.3	30 - 120	
72 Ge	1	1616504	0.70	1677099	96.4	30 - 120	
115 In	1	5013811	0.27	5335087	94.0	30 - 120	
165 Ho	1	9421322	0.47	9726904	96.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\094SDIL.D\094SDIL.D#
Date Acquired: Apr 10 2012 08:25 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-1-a SD@5
Misc Info: SERIAL DILUTION
Vial Number: 3101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG041012.B\093AREF.D\093AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.09	ppb	24.20	0.10	89.9	90 - 110	
51 V	72	1	9.59	ppb	0.89	9.90	96.9	90 - 110	
52 Cr	72	1	5.92	ppb	0.62	5.91	100.2	90 - 110	
55 Mn	72	1	135.20	ppb	1.26	132.34	102.2	90 - 110	
59 Co	72	1	3.65	ppb	1.20	3.62	100.8	90 - 110	
60 Ni	72	1	2.66	ppb	1.51	2.63	101.3	90 - 110	
63 Cu	72	1	20.27	ppb	0.98	20.18	100.4	90 - 110	
66 Zn	72	1	10.50	ppb	0.81	10.43	100.6	90 - 110	
75 As	72	1	3.60	ppb	2.47	3.58	100.5	90 - 110	
78 Se	72	1	0.25	ppb	116.68	0.18	139.6	90 - 110	
95 Mo	72	1	0.30	ppb	8.95	0.30	99.8	90 - 110	
107 Ag	115	1	0.02	ppb	17.90	0.02	103.9	90 - 110	
111 Cd	115	1	0.10	ppb	30.89	0.10	99.2	90 - 110	
118 Sn	115	1	0.10	ppb	9.30	0.07	134.8	90 - 110	
121 Sb	115	1	0.17	ppb	5.01	0.17	100.0	90 - 110	
137 Ba	115	1	9.10	ppb	0.68	9.18	99.1	90 - 110	
205 Tl	165	1	0.14	ppb	2.63	0.16	87.6	90 - 110	
208 Pb	165	1	542.10	ppb	0.16	537.20	100.9	90 - 110	
232 Th	165	1	1.22	ppb	2.38	1.25	98.1	90 - 110	
238 U	165	1	0.19	ppb	1.77	0.19	97.8	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	550582	1.98	562663	97.9	30 - 120	
45 Sc	1	2794391	0.81	2876911	97.1	30 - 120	
72 Ge	1	1625062	0.85	1677099	96.9	30 - 120	
115 In	1	5095750	0.83	5335087	95.5	30 - 120	
165 Ho	1	9432359	0.94	9726904	97.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\095PDS.D\095PDS.D#
Date Acquired: Apr 10 2012 08:27 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-1-a PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 3102
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	189.10	0.50	ppb	0.75	200	94.3	75 - 125	
51 V	72	1	223.00	49.48	ppb	0.73	200	89.4	75 - 125	
52 Cr	72	1	209.70	29.54	ppb	1.03	200	91.4	75 - 125	
55 Mn	72	1	822.70	661.70	ppb	0.71	200	95.5	75 - 125	
59 Co	72	1	200.50	18.12	ppb	1.25	200	91.9	75 - 125	
60 Ni	72	1	195.40	13.14	ppb	1.06	200	91.7	75 - 125	
63 Cu	72	1	271.80	100.90	ppb	1.57	200	90.3	75 - 125	
66 Zn	72	1	234.00	52.17	ppb	0.59	200	92.8	75 - 125	
75 As	72	1	201.90	17.91	ppb	0.87	200	92.7	75 - 125	
78 Se	72	1	176.80	0.88	ppb	0.76	200	88.0	75 - 125	
95 Mo	72	1	189.70	1.49	ppb	1.36	200	94.1	75 - 125	
107 Ag	115	1	47.39	0.12	ppb	1.15	50	94.6	75 - 125	
111 Cd	115	1	191.60	0.49	ppb	1.86	200	95.6	75 - 125	
118 Sn	115	1	184.60	0.37	ppb	0.49	200	92.1	75 - 125	
121 Sb	115	1	191.00	0.87	ppb	0.03	200	95.1	75 - 125	
137 Ba	115	1	236.40	45.90	ppb	0.58	200	96.1	75 - 125	
205 Tl	165	1	188.50	0.78	ppb	0.32	200	93.9	75 - 125	
208 Pb	165	1	2863.00	2686.00	ppb	0.46	200	99.2	75 - 125	
232 Th	165	1	6.17	6.24	ppb	0.67	200	3.0	75 - 125	
238 U	165	1	188.40	0.97	ppb	0.83	200	93.7	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	528373	0.57	562663	93.9	30 - 120	
45 Sc	1	2674171	0.43	2876911	93.0	30 - 120	
72 Ge	1	1557753	0.66	1677099	92.9	30 - 120	
115 In	1	4871644	0.56	5335087	91.3	30 - 120	
165 Ho	1	9193363	0.44	9726904	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\096_MS.D\096_MS.D#
Date Acquired: Apr 10 2012 08:30 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-1-b ms
Misc Info: MATRIX SPIKE
Vial Number: 3103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	37.67	0.50	ppb	2.07	40	93.0	50 - 150	
51 V	72	1	104.60	49.48	ppb	0.88	40	116.9	50 - 150	
52 Cr	72	1	77.63	29.54	ppb	0.88	40	111.6	50 - 150	
55 Mn	72	1	795.50	661.70	ppb	0.99	40	113.4	50 - 150	
59 Co	72	1	47.75	18.12	ppb	0.53	40	82.2	50 - 150	
60 Ni	72	1	47.74	13.14	ppb	1.03	40	89.8	50 - 150	
63 Cu	72	1	6473.00	100.90	ppb	1.86	40	4594.0	50 - 150	
66 Zn	72	1	751.80	52.17	ppb	1.43	40	815.7	50 - 150	
75 As	72	1	77.11	17.91	ppb	0.76	40	133.2	50 - 150	
78 Se	72	1	29.82	0.88	ppb	2.76	40	72.9	50 - 150	
95 Mo	72	1	33.13	1.49	ppb	1.27	40	79.8	50 - 150	
107 Ag	115	1	41.70	0.12	ppb	1.17	40	103.9	50 - 150	
111 Cd	115	1	38.37	0.49	ppb	0.98	40	94.8	50 - 150	
118 Sn	115	1	12.71	0.37	ppb	1.03	40	31.5	50 - 150	
121 Sb	115	1	166.40	0.87	ppb	0.57	40	407.1	50 - 150	
137 Ba	115	1	67.50	45.90	ppb	1.04	40	78.6	50 - 150	
205 Tl	165	1	39.19	0.78	ppb	0.94	40	96.1	50 - 150	
208 Pb	165	1	63680.00	2686.00	ppb	0.77	40	2336.0	50 - 150	
232 Th	165	1	51.84	6.24	ppb	0.36	40	112.1	50 - 150	
238 U	165	1	43.38	0.97	ppb	0.68	40	105.9	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	452749	0.77	562663	80.5	30 - 120	
45 Sc	1	2197999	0.63	2876911	76.4	30 - 120	
72 Ge	1	1310466	0.44	1677099	78.1	30 - 120	
115 In	1	4222935	0.59	5335087	79.2	30 - 120	
165 Ho	1	8516745	0.87	9726904	87.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\097_MSD.D\097_MSD.D#
Date Acquired: Apr 10 2012 08:33 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-1-c msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG041012.B\096_MS.D\096_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	39.58	ppb	2.79	37.67	4.94	20	
51 V	72	1	85.56	ppb	1.47	104.60	20.03	20	
52 Cr	72	1	134.90	ppb	1.68	77.63	53.89	20	
55 Mn	72	1	374.40	ppb	1.53	795.50	71.99	20	
59 Co	72	1	48.58	ppb	0.73	47.75	1.72	20	
60 Ni	72	1	48.70	ppb	1.04	47.74	1.99	20	
63 Cu	72	1	157.60	ppb	0.57	6473.00	190.49	20	
66 Zn	72	1	87.95	ppb	0.99	751.80	158.11	20	
75 As	72	1	57.86	ppb	0.99	77.11	28.52	20	
78 Se	72	1	33.85	ppb	1.08	29.82	12.66	20	
95 Mo	72	1	33.51	ppb	2.13	33.13	1.14	20	
107 Ag	115	1	38.86	ppb	0.89	41.70	7.05	20	
111 Cd	115	1	39.01	ppb	0.67	38.37	1.65	20	
118 Sn	115	1	7.42	ppb	1.10	12.71	52.55	20	
121 Sb	115	1	4.60	ppb	1.20	166.40	189.25	20	
137 Ba	115	1	69.34	ppb	0.18	67.50	2.69	20	
205 Tl	165	1	40.20	ppb	0.70	39.19	2.54	20	
208 Pb	165	1	3040.00	ppb	1.19	63680.00	181.77	20	
232 Th	165	1	47.41	ppb	2.75	51.84	8.93	20	
238 U	165	1	42.26	ppb	1.20	43.38	2.62	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	516587	0.41	562663	91.8	30 - 120	
45 Sc	1	2582924	0.91	2876911	89.8	30 - 120	
72 Ge	1	1512902	0.27	1677099	90.2	30 - 120	
115 In	1	4788811	0.51	5335087	89.8	30 - 120	
165 Ho	1	9050301	0.51	9726904	93.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\098SMPL.D\098SMPL.D#
Date Acquired: Apr 10 2012 08:36 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-2-a
Misc Info:
Vial Number: 3105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.29	0.29	ppb	27.84	3600	
51 V	72	1	21.68	21.68	ppb	0.82	3600	
52 Cr	72	1	13.70	13.70	ppb	1.02	3600	
55 Mn	72	1	88.81	88.81	ppb	0.67	18000	
59 Co	72	1	2.80	2.80	ppb	0.79	3600	
60 Ni	72	1	5.37	5.37	ppb	1.80	3600	
63 Cu	72	1	31.10	31.10	ppb	0.94	3600	
66 Zn	72	1	28.60	28.60	ppb	0.79	3600	
75 As	72	1	6.43	6.43	ppb	0.87	3600	
78 Se	72	1	0.33	0.33	ppb	50.24	3600	
95 Mo	72	1	0.85	0.85	ppb	2.74	3600	
107 Ag	115	1	0.06	0.06	ppb	13.52	3600	
111 Cd	115	1	0.22	0.22	ppb	29.24	3600	
118 Sn	115	1	0.27	0.27	ppb	5.55	3600	
121 Sb	115	1	0.56	0.56	ppb	1.51	3600	
137 Ba	115	1	8.56	8.56	ppb	1.74	3600	
205 Tl	165	1	0.14	0.14	ppb	9.72	3600	
208 Pb	165	1	560.40	560.40	ppb	0.89	3600	
232 Th	165	1	3.05	3.05	ppb	1.76	1000	
238 U	165	1	0.40	0.40	ppb	13.10	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	529454	2.84	562663	94.1	30 - 120	
45 Sc	1	2697831	0.39	2876911	93.8	30 - 120	
72 Ge	1	1537419	0.16	1677099	91.7	30 - 120	
115 In	1	4913881	0.49	5335087	92.1	30 - 120	
165 Ho	1	9208625	0.17	9726904	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\099SMPL.D\099SMPL.D#
Date Acquired: Apr 10 2012 08:39 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-3-a
Misc Info:
Vial Number: 3106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.47	0.47	ppb	12.04	3600	
51 V	72	1	69.83	69.83	ppb	2.51	3600	
52 Cr	72	1	39.20	39.20	ppb	0.40	3600	
55 Mn	72	1	243.90	243.90	ppb	1.12	18000	
59 Co	72	1	6.47	6.47	ppb	0.55	3600	
60 Ni	72	1	15.01	15.01	ppb	0.69	3600	
63 Cu	72	1	136.70	136.70	ppb	0.45	3600	
66 Zn	72	1	60.56	60.56	ppb	0.95	3600	
75 As	72	1	32.85	32.85	ppb	0.33	3600	
78 Se	72	1	0.92	0.92	ppb	15.07	3600	
95 Mo	72	1	4.86	4.86	ppb	2.01	3600	
107 Ag	115	1	0.11	0.11	ppb	2.27	3600	
111 Cd	115	1	0.56	0.56	ppb	8.69	3600	
118 Sn	115	1	0.40	0.40	ppb	4.08	3600	
121 Sb	115	1	0.84	0.84	ppb	3.75	3600	
137 Ba	115	1	28.56	28.56	ppb	0.55	3600	
205 Tl	165	1	0.44	0.44	ppb	0.12	3600	
208 Pb	165	1	2,969.00	2969.00	ppb	0.75	3600	
232 Th	165	1	10.12	10.12	ppb	0.65	1000	
238 U	165	1	1.12	1.12	ppb	1.13	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	509218	0.59	562663	90.5	30 - 120	
45 Sc	1	2749004	1.42	2876911	95.6	30 - 120	
72 Ge	1	1527640	0.59	1677099	91.1	30 - 120	
115 In	1	4808133	0.24	5335087	90.1	30 - 120	
165 Ho	1	9079810	0.81	9726904	93.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\100_CCV.D\100_CCV.D#
Date Acquired: Apr 10 2012 08:42 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	48.86	ppb	1.85	50	97.7	90 - 110	
51 V	72	1	50.13	ppb	1.35	50	100.3	90 - 110	
52 Cr	72	1	50.20	ppb	0.68	50	100.4	90 - 110	
55 Mn	72	1	50.98	ppb	1.04	50	102.0	90 - 110	
59 Co	72	1	51.12	ppb	0.24	50	102.2	90 - 110	
60 Ni	72	1	48.26	ppb	0.64	50	96.5	90 - 110	
63 Cu	72	1	50.35	ppb	1.64	50	100.7	90 - 110	
66 Zn	72	1	49.52	ppb	0.95	50	99.0	90 - 110	
75 As	72	1	49.40	ppb	1.15	50	98.8	90 - 110	
78 Se	72	1	48.22	ppb	2.22	50	96.4	90 - 110	
95 Mo	72	1	48.85	ppb	1.37	50	97.7	90 - 110	
107 Ag	115	1	50.54	ppb	1.66	50	101.1	90 - 110	
111 Cd	115	1	49.32	ppb	0.66	50	98.6	90 - 110	
118 Sn	115	1	48.00	ppb	0.82	50	96.0	90 - 110	
121 Sb	115	1	48.53	ppb	1.02	50	97.1	90 - 110	
137 Ba	115	1	49.69	ppb	0.65	50	99.4	90 - 110	
205 Tl	165	1	50.79	ppb	0.64	50	101.6	90 - 110	
208 Pb	165	1	50.98	ppb	0.15	50	102.0	90 - 110	
232 Th	165	1	50.14	ppb	0.93	50	100.3	90 - 110	
238 U	165	1	50.06	ppb	0.88	50	100.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	516962	0.40	562663	91.9	30 - 120	
45 Sc	1	2669757	1.14	2876911	92.8	30 - 120	
72 Ge	1	1576718	0.98	1677099	94.0	30 - 120	
115 In	1	5025410	1.23	5335087	94.2	30 - 120	
165 Ho	1	9314623	0.41	9726904	95.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\101_CCB.D\101_CCB.D#
Date Acquired: Apr 10 2012 08:44 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.006	ppb	444.07	1.00	
51 V	72	1	0.012	ppb	37.19	1.00	
52 Cr	72	1	-0.006	ppb	89.19	1.00	
55 Mn	72	1	0.029	ppb	5.82	1.00	
59 Co	72	1	0.003	ppb	63.82	1.00	
60 Ni	72	1	0.010	ppb	78.23	1.00	
63 Cu	72	1	0.045	ppb	17.56	1.00	
66 Zn	72	1	0.040	ppb	21.63	1.00	
75 As	72	1	0.001	ppb	1271.10	1.00	
78 Se	72	1	0.172	ppb	6.88	1.00	
95 Mo	72	1	0.004	ppb	123.66	1.00	
107 Ag	115	1	0.008	ppb	20.68	1.00	
111 Cd	115	1	0.008	ppb	92.21	1.00	
118 Sn	115	1	0.022	ppb	6.71	1.00	
121 Sb	115	1	0.062	ppb	11.06	1.00	
137 Ba	115	1	0.006	ppb	10.67	1.00	
205 Tl	165	1	0.026	ppb	11.65	1.00	
208 Pb	165	1	0.399	ppb	1.83	1.00	
232 Th	165	1	0.046	ppb	6.60	1.00	
238 U	165	1	0.007	ppb	9.60	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	518266	0.40	562663	92.1	30 - 120	
45 Sc	1	2703405	0.72	2876911	94.0	30 - 120	
72 Ge	1	1587808	0.78	1677099	94.7	30 - 120	
115 In	1	5048870	0.46	5335087	94.6	30 - 120	
165 Ho	1	9352770	0.52	9726904	96.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\102WASH.D\102WASH.D#
Date Acquired: Apr 10 2012 08:47 pm
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.173 ppb	15.42	1.30	
51 V	72	1	5.182 ppb	0.58	6.50	
52 Cr	72	1	2.067 ppb	1.25	2.60	
55 Mn	72	1	1.155 ppb	3.07	1.30	
59 Co	72	1	1.057 ppb	2.72	1.30	
60 Ni	72	1	2.078 ppb	1.90	2.60	
63 Cu	72	1	2.151 ppb	0.63	2.60	
66 Zn	72	1	10.780 ppb	0.72	13.00	
75 As	72	1	5.020 ppb	1.34	6.50	
78 Se	72	1	5.157 ppb	1.88	6.50	
95 Mo	72	1	2.127 ppb	2.70	2.60	
107 Ag	115	1	5.168 ppb	0.24	6.50	
111 Cd	115	1	1.100 ppb	0.86	1.30	
118 Sn	115	1	10.150 ppb	1.24	13.00	
121 Sb	115	1	2.092 ppb	0.40	2.60	
137 Ba	115	1	1.073 ppb	2.96	1.30	
205 Tl	165	1	1.075 ppb	0.54	1.30	
208 Pb	165	1	1.394 ppb	0.64	1.30	
232 Th	165	1	2.087 ppb	2.36	2.60	
238 U	165	1	1.042 ppb	1.00	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	516572	0.46	562663	91.8	30 - 120	
45 Sc	1	2709151	1.21	2876911	94.2	30 - 120	
72 Ge	1	1587900	0.87	1677099	94.7	30 - 120	
115 In	1	5046937	0.14	5335087	94.6	30 - 120	
165 Ho	1	9290489	0.77	9726904	95.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\103SMPL.D\103SMPL.D#
Date Acquired: Apr 10 2012 08:50 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-4-a
Misc Info:
Vial Number: 3107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.47	0.47	ppb	13.23	3600	
51 V	72	1	49.76	49.76	ppb	1.07	3600	
52 Cr	72	1	52.49	52.49	ppb	0.47	3600	
55 Mn	72	1	546.10	546.10	ppb	0.97	18000	
59 Co	72	1	10.67	10.67	ppb	0.62	3600	
60 Ni	72	1	12.89	12.89	ppb	0.26	3600	
63 Cu	72	1	158.70	158.70	ppb	0.70	3600	
66 Zn	72	1	70.39	70.39	ppb	0.91	3600	
75 As	72	1	21.20	21.20	ppb	0.93	3600	
78 Se	72	1	1.01	1.01	ppb	11.47	3600	
95 Mo	72	1	1.65	1.65	ppb	3.68	3600	
107 Ag	115	1	0.12	0.12	ppb	6.44	3600	
111 Cd	115	1	0.55	0.55	ppb	8.42	3600	
118 Sn	115	1	0.50	0.50	ppb	4.47	3600	
121 Sb	115	1	1.41	1.41	ppb	1.63	3600	
137 Ba	115	1	46.73	46.73	ppb	0.24	3600	
205 Tl	165	1	0.43	0.43	ppb	0.62	3600	
208 Pb	165	1	3,350.00	3350.00	ppb	0.68	3600	
232 Th	165	1	7.11	7.11	ppb	1.45	1000	
238 U	165	1	1.19	1.19	ppb	1.23	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	511926	0.66	562663	91.0	30 - 120	
45 Sc	1	2667913	0.32	2876911	92.7	30 - 120	
72 Ge	1	1542249	0.79	1677099	92.0	30 - 120	
115 In	1	4903349	0.21	5335087	91.9	30 - 120	
165 Ho	1	9220233	0.29	9726904	94.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\104SMPL.D\104SMPL.D#
Date Acquired: Apr 10 2012 08:53 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-5-a
Misc Info:
Vial Number: 3108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.64	0.64	ppb	6.95	3600	
51 V	72	1	51.50	51.50	ppb	0.40	3600	
52 Cr	72	1	29.09	29.09	ppb	1.74	3600	
55 Mn	72	1	476.60	476.60	ppb	1.90	18000	
59 Co	72	1	10.93	10.93	ppb	1.55	3600	
60 Ni	72	1	15.19	15.19	ppb	1.79	3600	
63 Cu	72	1	108.40	108.40	ppb	2.69	3600	
66 Zn	72	1	72.96	72.96	ppb	1.80	3600	
75 As	72	1	24.72	24.72	ppb	0.83	3600	
78 Se	72	1	1.15	1.15	ppb	8.05	3600	
95 Mo	72	1	1.69	1.69	ppb	1.44	3600	
107 Ag	115	1	0.16	0.16	ppb	4.94	3600	
111 Cd	115	1	0.53	0.53	ppb	6.67	3600	
118 Sn	115	1	0.59	0.59	ppb	6.06	3600	
121 Sb	115	1	2.09	2.09	ppb	0.72	3600	
137 Ba	115	1	48.76	48.76	ppb	0.47	3600	
205 Tl	165	1	0.52	0.52	ppb	0.39	3600	
208 Pb	165	1	3,483.00	3483.00	ppb	1.09	3600	
232 Th	165	1	6.96	6.96	ppb	0.09	1000	
238 U	165	1	1.25	1.25	ppb	1.38	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	507597	1.12	562663	90.2	30 - 120	
45 Sc	1	2653646	0.62	2876911	92.2	30 - 120	
72 Ge	1	1527854	0.84	1677099	91.1	30 - 120	
115 In	1	4827878	0.18	5335087	90.5	30 - 120	
165 Ho	1	9231020	0.23	9726904	94.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\105SMPL.D\105SMPL.D#
Date Acquired: Apr 10 2012 08:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-6-a
Misc Info:
Vial Number: 3109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.56	0.56	ppb	9.34	3600	
51 V	72	1	56.56	56.56	ppb	1.82	3600	
52 Cr	72	1	30.80	30.80	ppb	2.88	3600	
55 Mn	72	1	848.10	848.10	ppb	2.43	18000	
59 Co	72	1	22.10	22.10	ppb	1.24	3600	
60 Ni	72	1	17.70	17.70	ppb	2.21	3600	
63 Cu	72	1	624.80	624.80	ppb	2.11	3600	
66 Zn	72	1	181.00	181.00	ppb	1.84	3600	
75 As	72	1	28.51	28.51	ppb	1.78	3600	
78 Se	72	1	0.87	0.87	ppb	38.58	3600	
95 Mo	72	1	1.82	1.82	ppb	3.14	3600	
107 Ag	115	1	0.53	0.53	ppb	1.25	3600	
111 Cd	115	1	0.53	0.53	ppb	2.96	3600	
118 Sn	115	1	3.61	3.61	ppb	1.06	3600	
121 Sb	115	1	6.31	6.31	ppb	1.42	3600	
137 Ba	115	1	45.89	45.89	ppb	0.78	3600	
205 Tl	165	1	0.60	0.60	ppb	1.59	3600	
208 Pb	165	1	17,270.00	17270.00	ppb	0.66	3600	>LDR
232 Th	165	1	7.81	7.81	ppb	1.17	1000	
238 U	165	1	1.31	1.31	ppb	0.34	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	501683	0.47	562663	89.2	30 - 120	
45 Sc	1	2571359	0.32	2876911	89.4	30 - 120	
72 Ge	1	1507420	1.64	1677099	89.9	30 - 120	
115 In	1	4713954	0.58	5335087	88.4	30 - 120	
165 Ho	1	9062938	0.24	9726904	93.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\106SMPL.D\106SMPL.D#
Date Acquired: Apr 10 2012 08:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-7-a
Misc Info:
Vial Number: 3110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.21	0.21	ppb	23.51	3600	
51 V	72	1	21.97	21.97	ppb	0.01	3600	
52 Cr	72	1	10.60	10.60	ppb	0.12	3600	
55 Mn	72	1	285.90	285.90	ppb	0.49	18000	
59 Co	72	1	8.57	8.57	ppb	0.73	3600	
60 Ni	72	1	7.75	7.75	ppb	2.59	3600	
63 Cu	72	1	12.84	12.84	ppb	1.02	3600	
66 Zn	72	1	27.65	27.65	ppb	0.29	3600	
75 As	72	1	6.92	6.92	ppb	0.99	3600	
78 Se	72	1	0.71	0.71	ppb	4.85	3600	
95 Mo	72	1	1.28	1.28	ppb	2.48	3600	
107 Ag	115	1	0.06	0.06	ppb	4.26	3600	
111 Cd	115	1	0.43	0.43	ppb	3.78	3600	
118 Sn	115	1	0.21	0.21	ppb	6.03	3600	
121 Sb	115	1	0.29	0.29	ppb	1.78	3600	
137 Ba	115	1	63.71	63.71	ppb	0.61	3600	
205 Tl	165	1	0.40	0.40	ppb	0.28	3600	
208 Pb	165	1	355.40	355.40	ppb	0.40	3600	
232 Th	165	1	4.91	4.91	ppb	0.71	1000	
238 U	165	1	0.60	0.60	ppb	0.20	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	518126	0.20	562663	92.1	30 - 120	
45 Sc	1	2655930	1.24	2876911	92.3	30 - 120	
72 Ge	1	1534225	0.41	1677099	91.5	30 - 120	
115 In	1	4895670	0.34	5335087	91.8	30 - 120	
165 Ho	1	9299927	0.44	9726904	95.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\107SMPL.D\107SMPL.D#
Date Acquired: Apr 10 2012 09:02 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-8-a
Misc Info:
Vial Number: 3111
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.57	0.57	ppb	11.05	3600	
51 V	72	1	80.37	80.37	ppb	1.12	3600	
52 Cr	72	1	58.96	58.96	ppb	1.10	3600	
55 Mn	72	1	769.20	769.20	ppb	1.12	18000	
59 Co	72	1	14.49	14.49	ppb	0.52	3600	
60 Ni	72	1	14.85	14.85	ppb	1.40	3600	
63 Cu	72	1	425.00	425.00	ppb	0.90	3600	
66 Zn	72	1	142.80	142.80	ppb	1.10	3600	
75 As	72	1	31.11	31.11	ppb	0.51	3600	
78 Se	72	1	1.30	1.30	ppb	11.89	3600	
95 Mo	72	1	2.18	2.18	ppb	0.99	3600	
107 Ag	115	1	0.29	0.29	ppb	2.23	3600	
111 Cd	115	1	0.55	0.55	ppb	18.95	3600	
118 Sn	115	1	0.89	0.89	ppb	1.14	3600	
121 Sb	115	1	2.78	2.78	ppb	2.01	3600	
137 Ba	115	1	43.81	43.81	ppb	1.07	3600	
205 Tl	165	1	0.50	0.50	ppb	2.62	3600	
208 Pb	165	1	9,240.00	9240.00	ppb	0.56	3600	>LDR
232 Th	165	1	9.83	9.83	ppb	0.56	1000	
238 U	165	1	1.45	1.45	ppb	0.94	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	506476	0.67	562663	90.0	30 - 120	
45 Sc	1	2631886	0.89	2876911	91.5	30 - 120	
72 Ge	1	1535729	1.49	1677099	91.6	30 - 120	
115 In	1	4828452	1.21	5335087	90.5	30 - 120	
165 Ho	1	9127032	0.63	9726904	93.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\108SMPL.D\108SMPL.D#
Date Acquired: Apr 10 2012 09:05 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-9-a
Misc Info:
Vial Number: 3112
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.62	0.62	ppb	16.45	3600	
51 V	72	1	63.74	63.74	ppb	1.55	3600	
52 Cr	72	1	37.13	37.13	ppb	1.34	3600	
55 Mn	72	1	479.60	479.60	ppb	2.89	18000	
59 Co	72	1	11.04	11.04	ppb	2.77	3600	
60 Ni	72	1	15.53	15.53	ppb	0.90	3600	
63 Cu	72	1	171.40	171.40	ppb	2.24	3600	
66 Zn	72	1	95.50	95.50	ppb	1.44	3600	
75 As	72	1	25.71	25.71	ppb	2.02	3600	
78 Se	72	1	1.01	1.01	ppb	9.24	3600	
95 Mo	72	1	2.75	2.75	ppb	2.37	3600	
107 Ag	115	1	0.19	0.19	ppb	5.06	3600	
111 Cd	115	1	0.57	0.57	ppb	3.74	3600	
118 Sn	115	1	0.63	0.63	ppb	7.52	3600	
121 Sb	115	1	1.60	1.60	ppb	12.51	3600	
137 Ba	115	1	46.61	46.61	ppb	0.33	3600	
205 Tl	165	1	0.51	0.51	ppb	2.74	3600	
208 Pb	165	1	5,194.00	5194.00	ppb	1.21	3600	>LDR
232 Th	165	1	9.11	9.11	ppb	0.79	1000	
238 U	165	1	1.30	1.30	ppb	1.19	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	509734	0.72	562663	90.6	30 - 120	
45 Sc	1	2676194	0.47	2876911	93.0	30 - 120	
72 Ge	1	1542038	1.41	1677099	91.9	30 - 120	
115 In	1	4810819	0.45	5335087	90.2	30 - 120	
165 Ho	1	9176720	1.22	9726904	94.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\109SMPL.D\109SMPL.D#
Date Acquired: Apr 10 2012 09:07 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-10-a
Misc Info:
Vial Number: 3201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.82	0.82	ppb	12.83	3600	
51 V	72	1	57.25	57.25	ppb	1.12	3600	
52 Cr	72	1	42.93	42.93	ppb	1.98	3600	
55 Mn	72	1	737.80	737.80	ppb	1.43	18000	
59 Co	72	1	12.77	12.77	ppb	1.25	3600	
60 Ni	72	1	14.56	14.56	ppb	0.84	3600	
63 Cu	72	1	561.50	561.50	ppb	0.45	3600	
66 Zn	72	1	138.70	138.70	ppb	1.09	3600	
75 As	72	1	30.84	30.84	ppb	1.02	3600	
78 Se	72	1	1.44	1.44	ppb	8.29	3600	
95 Mo	72	1	1.93	1.93	ppb	2.55	3600	
107 Ag	115	1	0.84	0.84	ppb	2.41	3600	
111 Cd	115	1	0.82	0.82	ppb	7.97	3600	
118 Sn	115	1	6.25	6.25	ppb	1.90	3600	
121 Sb	115	1	11.40	11.40	ppb	1.77	3600	
137 Ba	115	1	74.30	74.30	ppb	0.51	3600	
205 Tl	165	1	0.51	0.51	ppb	0.36	3600	
208 Pb	165	1	18,190.00	18190.00	ppb	0.80	3600	>LDR
232 Th	165	1	9.68	9.68	ppb	0.73	1000	
238 U	165	1	1.45	1.45	ppb	0.95	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	490845	0.99	562663	87.2	30 - 120	
45 Sc	1	2544003	0.45	2876911	88.4	30 - 120	
72 Ge	1	1463459	0.75	1677099	87.3	30 - 120	
115 In	1	4671070	0.67	5335087	87.6	30 - 120	
165 Ho	1	9001965	0.45	9726904	92.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\110SMPL.D\110SMPL.D#
Date Acquired: Apr 10 2012 09:10 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-11-a
Misc Info:
Vial Number: 3202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.36	0.36	ppb	8.05	3600	
51 V	72	1	77.02	77.02	ppb	1.95	3600	
52 Cr	72	1	33.88	33.88	ppb	3.47	3600	
55 Mn	72	1	121.50	121.50	ppb	1.17	18000	
59 Co	72	1	3.64	3.64	ppb	0.75	3600	
60 Ni	72	1	6.95	6.95	ppb	0.02	3600	
63 Cu	72	1	43.55	43.55	ppb	0.98	3600	
66 Zn	72	1	44.03	44.03	ppb	0.69	3600	
75 As	72	1	7.98	7.98	ppb	0.32	3600	
78 Se	72	1	0.99	0.99	ppb	17.74	3600	
95 Mo	72	1	1.07	1.07	ppb	1.35	3600	
107 Ag	115	1	0.08	0.08	ppb	8.77	3600	
111 Cd	115	1	0.37	0.37	ppb	9.22	3600	
118 Sn	115	1	0.20	0.20	ppb	7.43	3600	
121 Sb	115	1	0.27	0.27	ppb	1.83	3600	
137 Ba	115	1	16.81	16.81	ppb	0.22	3600	
205 Tl	165	1	0.09	0.09	ppb	4.16	3600	
208 Pb	165	1	832.70	832.70	ppb	0.99	3600	
232 Th	165	1	6.92	6.92	ppb	1.23	1000	
238 U	165	1	0.70	0.70	ppb	0.56	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	506757	0.85	562663	90.1	30 - 120	
45 Sc	1	2749823	0.46	2876911	95.6	30 - 120	
72 Ge	1	1530988	0.22	1677099	91.3	30 - 120	
115 In	1	4926605	0.27	5335087	92.3	30 - 120	
165 Ho	1	9182457	0.81	9726904	94.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\111SMPL.D\111SMPL.D#
Date Acquired: Apr 10 2012 09:13 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-12-a
Misc Info:
Vial Number: 3203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.23	0.23	ppb	12.78	3600	
51 V	72	1	17.51	17.51	ppb	1.81	3600	
52 Cr	72	1	9.60	9.60	ppb	1.55	3600	
55 Mn	72	1	245.50	245.50	ppb	0.98	18000	
59 Co	72	1	3.98	3.98	ppb	0.27	3600	
60 Ni	72	1	4.90	4.90	ppb	2.51	3600	
63 Cu	72	1	72.92	72.92	ppb	1.44	3600	
66 Zn	72	1	35.49	35.49	ppb	0.31	3600	
75 As	72	1	8.86	8.86	ppb	0.73	3600	
78 Se	72	1	0.41	0.41	ppb	21.67	3600	
95 Mo	72	1	0.75	0.75	ppb	4.65	3600	
107 Ag	115	1	0.10	0.10	ppb	3.74	3600	
111 Cd	115	1	0.26	0.26	ppb	2.52	3600	
118 Sn	115	1	1.50	1.50	ppb	2.23	3600	
121 Sb	115	1	4.32	4.32	ppb	0.94	3600	
137 Ba	115	1	17.48	17.48	ppb	1.49	3600	
205 Tl	165	1	0.17	0.17	ppb	1.96	3600	
208 Pb	165	1	3,919.00	3919.00	ppb	0.68	3600	>LDR
232 Th	165	1	2.71	2.71	ppb	0.73	1000	
238 U	165	1	0.35	0.35	ppb	3.83	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	500774	0.49	562663	89.0	30 - 120	
45 Sc	1	2658533	1.26	2876911	92.4	30 - 120	
72 Ge	1	1536305	0.29	1677099	91.6	30 - 120	
115 In	1	4846701	0.24	5335087	90.8	30 - 120	
165 Ho	1	9193984	0.66	9726904	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\112_CCV.D\112_CCV.D#
Date Acquired: Apr 10 2012 09:16 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.92	ppb	2.14	50	99.8	90 - 110	
51 V	72	1	50.76	ppb	0.45	50	101.5	90 - 110	
52 Cr	72	1	50.77	ppb	0.58	50	101.5	90 - 110	
55 Mn	72	1	51.29	ppb	0.99	50	102.6	90 - 110	
59 Co	72	1	50.94	ppb	0.74	50	101.9	90 - 110	
60 Ni	72	1	48.28	ppb	0.35	50	96.6	90 - 110	
63 Cu	72	1	50.37	ppb	1.10	50	100.7	90 - 110	
66 Zn	72	1	49.82	ppb	0.16	50	99.6	90 - 110	
75 As	72	1	49.38	ppb	0.44	50	98.8	90 - 110	
78 Se	72	1	49.52	ppb	3.33	50	99.0	90 - 110	
95 Mo	72	1	48.94	ppb	0.88	50	97.9	90 - 110	
107 Ag	115	1	50.85	ppb	1.02	50	101.7	90 - 110	
111 Cd	115	1	49.03	ppb	0.39	50	98.1	90 - 110	
118 Sn	115	1	47.94	ppb	0.63	50	95.9	90 - 110	
121 Sb	115	1	48.65	ppb	0.88	50	97.3	90 - 110	
137 Ba	115	1	49.78	ppb	0.84	50	99.6	90 - 110	
205 Tl	165	1	50.79	ppb	1.67	50	101.6	90 - 110	
208 Pb	165	1	51.23	ppb	1.14	50	102.5	90 - 110	
232 Th	165	1	50.62	ppb	1.89	50	101.2	90 - 110	
238 U	165	1	50.56	ppb	1.52	50	101.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	501556	0.08	562663	89.1	30 - 120	
45 Sc	1	2659155	0.16	2876911	92.4	30 - 120	
72 Ge	1	1562472	0.54	1677099	93.2	30 - 120	
115 In	1	4984355	0.70	5335087	93.4	30 - 120	
165 Ho	1	9224484	1.25	9726904	94.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\113_CCB.D\113_CCB.D#
Date Acquired: Apr 10 2012 09:19 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	-0.004	ppb	223.86	1.00	
51 V	72	1	-0.003	ppb	515.50	1.00	
52 Cr	72	1	-0.009	ppb	87.75	1.00	
55 Mn	72	1	0.032	ppb	11.75	1.00	
59 Co	72	1	0.002	ppb	27.75	1.00	
60 Ni	72	1	0.011	ppb	10.67	1.00	
63 Cu	72	1	0.035	ppb	17.37	1.00	
66 Zn	72	1	0.038	ppb	35.30	1.00	
75 As	72	1	0.004	ppb	241.44	1.00	
78 Se	72	1	0.034	ppb	540.08	1.00	
95 Mo	72	1	-0.012	ppb	77.24	1.00	
107 Ag	115	1	0.006	ppb	19.58	1.00	
111 Cd	115	1	0.000	ppb	2424.30	1.00	
118 Sn	115	1	0.024	ppb	30.78	1.00	
121 Sb	115	1	0.056	ppb	8.80	1.00	
137 Ba	115	1	0.002	ppb	339.43	1.00	
205 Tl	165	1	0.018	ppb	12.42	1.00	
208 Pb	165	1	0.394	ppb	3.67	1.00	
232 Th	165	1	0.046	ppb	10.52	1.00	
238 U	165	1	0.005	ppb	17.35	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	502244	0.98	562663	89.3	30 - 120	
45 Sc	1	2662051	1.25	2876911	92.5	30 - 120	
72 Ge	1	1569535	0.52	1677099	93.6	30 - 120	
115 In	1	4990609	0.24	5335087	93.5	30 - 120	
165 Ho	1	9240512	1.24	9726904	95.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\114WASH.D\114WASH.D#
Date Acquired: Apr 10 2012 09:22 pm
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.968 ppb	12.20	1.30	
51 V	72	1	5.298 ppb	2.18	6.50	
52 Cr	72	1	2.097 ppb	1.07	2.60	
55 Mn	72	1	1.187 ppb	4.59	1.30	
59 Co	72	1	1.054 ppb	2.82	1.30	
60 Ni	72	1	2.044 ppb	4.18	2.60	
63 Cu	72	1	2.167 ppb	1.75	2.60	
66 Zn	72	1	10.830 ppb	0.57	13.00	
75 As	72	1	5.126 ppb	0.90	6.50	
78 Se	72	1	5.058 ppb	7.81	6.50	
95 Mo	72	1	2.076 ppb	4.18	2.60	
107 Ag	115	1	5.169 ppb	0.50	6.50	
111 Cd	115	1	1.047 ppb	2.41	1.30	
118 Sn	115	1	10.120 ppb	1.17	13.00	
121 Sb	115	1	2.079 ppb	2.06	2.60	
137 Ba	115	1	1.049 ppb	2.58	1.30	
205 Tl	165	1	1.084 ppb	1.35	1.30	
208 Pb	165	1	1.345 ppb	0.98	1.30	
232 Th	165	1	2.103 ppb	2.14	2.60	
238 U	165	1	1.038 ppb	1.02	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	501277	0.80	562663	89.1	30 - 120	
45 Sc	1	2688576	0.61	2876911	93.5	30 - 120	
72 Ge	1	1554448	0.34	1677099	92.7	30 - 120	
115 In	1	4936072	0.57	5335087	92.5	30 - 120	
165 Ho	1	9162595	0.57	9726904	94.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\115SMPL.D\115SMPL.D#
Date Acquired: Apr 10 2012 09:25 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-6-a
Misc Info: 20
Vial Number: 3109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.32	0.02	ppb	141.95	3600	
51 V	72	1	56.40	2.82	ppb	1.92	3600	
52 Cr	72	1	36.44	1.82	ppb	1.75	3600	
55 Mn	72	1	909.40	45.47	ppb	0.62	18000	
59 Co	72	1	22.22	1.11	ppb	2.42	3600	
60 Ni	72	1	19.12	0.96	ppb	1.54	3600	
63 Cu	72	1	648.80	32.44	ppb	2.19	3600	
66 Zn	72	1	187.14	9.36	ppb	0.58	3600	
75 As	72	1	30.52	1.53	ppb	5.34	3600	
78 Se	72	1	0.97	0.05	ppb	250.21	3600	
95 Mo	72	1	1.38	0.07	ppb	4.98	3600	
107 Ag	115	1	0.57	0.03	ppb	2.75	3600	
111 Cd	115	1	0.08	0.00	ppb	273.02	3600	
118 Sn	115	1	4.01	0.20	ppb	8.65	3600	
121 Sb	115	1	6.45	0.32	ppb	7.41	3600	
137 Ba	115	1	45.94	2.30	ppb	0.82	3600	
205 Tl	165	1	0.68	0.03	ppb	7.81	3600	
208 Pb	165	1	17,524.00	876.20	ppb	0.98	3600	
232 Th	165	1	7.45	0.37	ppb	2.05	1000	
238 U	165	1	1.25	0.06	ppb	1.02	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	500319	0.25	562663	88.9	30 - 120	
45 Sc	1	2675641	0.76	2876911	93.0	30 - 120	
72 Ge	1	1581026	1.69	1677099	94.3	30 - 120	
115 In	1	4989632	0.98	5335087	93.5	30 - 120	
165 Ho	1	9134690	1.34	9726904	93.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\116SMPL.D\116SMPL.D#
Date Acquired: Apr 10 2012 09:28 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-9-a
Misc Info: 20
Vial Number: 3112
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 08:05 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.41	0.02	ppb	142.56	3600	
51 V	72	1	61.68	3.08	ppb	0.50	3600	
52 Cr	72	1	41.42	2.07	ppb	1.64	3600	
55 Mn	72	1	496.40	24.82	ppb	0.69	18000	
59 Co	72	1	11.32	0.57	ppb	1.02	3600	
60 Ni	72	1	17.25	0.86	ppb	5.18	3600	
63 Cu	72	1	173.10	8.66	ppb	0.59	3600	
66 Zn	72	1	97.32	4.87	ppb	1.37	3600	
75 As	72	1	25.42	1.27	ppb	2.86	3600	
78 Se	72	1	4.94	0.25	ppb	95.39	3600	
95 Mo	72	1	2.30	0.12	ppb	6.51	3600	
107 Ag	115	1	0.18	0.01	ppb	19.80	3600	
111 Cd	115	1	-0.03	0.00	ppb	226.20	3600	
118 Sn	115	1	0.73	0.04	ppb	32.33	3600	
121 Sb	115	1	1.57	0.08	ppb	1.06	3600	
137 Ba	115	1	44.94	2.25	ppb	1.84	3600	
205 Tl	165	1	0.55	0.03	ppb	6.17	3600	
208 Pb	165	1	5,212.00	260.60	ppb	0.96	3600	
232 Th	165	1	8.72	0.44	ppb	4.05	1000	
238 U	165	1	1.24	0.06	ppb	2.14	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	507485	0.32	562663	90.2	30 - 120	
45 Sc	1	2680209	0.97	2876911	93.2	30 - 120	
72 Ge	1	1567645	0.76	1677099	93.5	30 - 120	
115 In	1	5001105	0.61	5335087	93.7	30 - 120	
165 Ho	1	9141589	0.74	9726904	94.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\117WASH.D\117WASH.D#
Date Acquired: Apr 10 2012 09:31 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.008 ppb	212.25	1.30	
51 V	72	1	-0.043 ppb	134.34	6.50	
52 Cr	72	1	1.348 ppb	5.02	2.60	
55 Mn	72	1	0.720 ppb	4.78	1.30	
59 Co	72	1	0.080 ppb	4.99	1.30	
60 Ni	72	1	1.127 ppb	4.16	2.60	
63 Cu	72	1	5.920 ppb	1.14	2.60	
66 Zn	72	1	3.494 ppb	2.53	13.00	
75 As	72	1	0.617 ppb	5.87	6.50	
78 Se	72	1	-0.001 ppb	15982.00	6.50	
95 Mo	72	1	2367.000 ppb	0.89	2.60	
107 Ag	115	1	0.062 ppb	3.96	6.50	
111 Cd	115	1	0.823 ppb	3.24	1.30	
118 Sn	115	1	0.197 ppb	9.16	13.00	
121 Sb	115	1	0.315 ppb	1.21	2.60	
137 Ba	115	1	0.210 ppb	3.72	1.30	
205 Tl	165	1	0.048 ppb	21.74	1.30	
208 Pb	165	1	0.894 ppb	11.04	1.30	
232 Th	165	1	0.035 ppb	8.32	2.60	
238 U	165	1	0.005 ppb	11.91	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	448767	0.69	562663	79.8	30 - 120	
45 Sc	1	2225089	1.03	2876911	77.3	30 - 120	
72 Ge	1	1273096	0.37	1677099	75.9	30 - 120	
115 In	1	4040411	0.91	5335087	75.7	30 - 120	
165 Ho	1	7868255	1.04	9726904	80.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\118WASH.D\118WASH.D#
Date Acquired: Apr 10 2012 09:34 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.004 ppb	203.21	1.30	
51 V	72	1	-0.001 ppb	1286.60	6.50	
52 Cr	72	1	-0.002 ppb	118.57	2.60	
55 Mn	72	1	0.023 ppb	27.19	1.30	
59 Co	72	1	-0.001 ppb	221.97	1.30	
60 Ni	72	1	0.006 ppb	94.62	2.60	
63 Cu	72	1	0.030 ppb	13.28	2.60	
66 Zn	72	1	0.014 ppb	35.20	13.00	
75 As	72	1	0.003 ppb	470.12	6.50	
78 Se	72	1	0.199 ppb	83.43	6.50	
95 Mo	72	1	0.314 ppb	11.72	2.60	
107 Ag	115	1	0.000 ppb	671.13	6.50	
111 Cd	115	1	0.002 ppb	1039.70	1.30	
118 Sn	115	1	0.006 ppb	105.80	13.00	
121 Sb	115	1	0.001 ppb	202.30	2.60	
137 Ba	115	1	0.002 ppb	131.32	1.30	
205 Tl	165	1	0.005 ppb	11.10	1.30	
208 Pb	165	1	0.279 ppb	0.96	1.30	
232 Th	165	1	0.000 ppb	773.62	2.60	
238 U	165	1	0.000 ppb	246.35	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	522000	0.43	562663	92.8	30 - 120	
45 Sc	1	2791641	0.88	2876911	97.0	30 - 120	
72 Ge	1	1627613	1.31	1677099	97.0	30 - 120	
115 In	1	5122227	0.65	5335087	96.0	30 - 120	
165 Ho	1	9322107	0.37	9726904	95.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\119WASH.D\119WASH.D#
Date Acquired: Apr 10 2012 09:37 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.004 ppb	203.26	1.30	
51 V	72	1	-0.012 ppb	34.93	6.50	
52 Cr	72	1	-0.007 ppb	50.59	2.60	
55 Mn	72	1	0.017 ppb	31.28	1.30	
59 Co	72	1	0.001 ppb	167.22	1.30	
60 Ni	72	1	0.010 ppb	33.51	2.60	
63 Cu	72	1	0.016 ppb	53.79	2.60	
66 Zn	72	1	0.019 ppb	109.79	13.00	
75 As	72	1	0.002 ppb	542.27	6.50	
78 Se	72	1	0.071 ppb	354.61	6.50	
95 Mo	72	1	0.084 ppb	23.33	2.60	
107 Ag	115	1	0.000 ppb	286.25	6.50	
111 Cd	115	1	-0.001 ppb	2262.60	1.30	
118 Sn	115	1	0.013 ppb	33.54	13.00	
121 Sb	115	1	0.000 ppb	558.07	2.60	
137 Ba	115	1	0.005 ppb	70.87	1.30	
205 Tl	165	1	0.002 ppb	26.69	1.30	
208 Pb	165	1	0.255 ppb	1.93	1.30	
232 Th	165	1	0.000 ppb	219.09	2.60	
238 U	165	1	0.001 ppb	56.83	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	524385	0.42	562663	93.2	30 - 120	
45 Sc	1	2839056	0.74	2876911	98.7	30 - 120	
72 Ge	1	1645421	0.55	1677099	98.1	30 - 120	
115 In	1	5205008	1.33	5335087	97.6	30 - 120	
165 Ho	1	9425163	1.19	9726904	96.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\120WASH.D\120WASH.D#
Date Acquired: Apr 10 2012 09:40 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.004 ppb	202.71	1.30	
51 V	72	1	-0.001 ppb	724.38	6.50	
52 Cr	72	1	-0.010 ppb	31.64	2.60	
55 Mn	72	1	0.014 ppb	36.87	1.30	
59 Co	72	1	0.002 ppb	150.16	1.30	
60 Ni	72	1	0.004 ppb	108.41	2.60	
63 Cu	72	1	0.022 ppb	32.90	2.60	
66 Zn	72	1	0.008 ppb	42.33	13.00	
75 As	72	1	-0.003 ppb	56.59	6.50	
78 Se	72	1	0.008 ppb	1789.50	6.50	
95 Mo	72	1	0.044 ppb	13.76	2.60	
107 Ag	115	1	0.000 ppb	69.47	6.50	
111 Cd	115	1	0.007 ppb	166.69	1.30	
118 Sn	115	1	0.012 ppb	58.94	13.00	
121 Sb	115	1	0.002 ppb	114.17	2.60	
137 Ba	115	1	0.001 ppb	191.51	1.30	
205 Tl	165	1	0.001 ppb	125.00	1.30	
208 Pb	165	1	0.249 ppb	1.91	1.30	
232 Th	165	1	0.000 ppb	209.75	2.60	
238 U	165	1	0.001 ppb	106.17	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	525094	0.36	562663	93.3	30 - 120	
45 Sc	1	2798471	1.54	2876911	97.3	30 - 120	
72 Ge	1	1648525	0.31	1677099	98.3	30 - 120	
115 In	1	5198277	0.68	5335087	97.4	30 - 120	
165 Ho	1	9380001	0.54	9726904	96.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\121WASH.D\121WASH.D#
Date Acquired: Apr 10 2012 09:43 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.004 ppb	206.76	1.30	
51 V	72	1	-0.005 ppb	289.88	6.50	
52 Cr	72	1	-0.006 ppb	45.31	2.60	
55 Mn	72	1	0.014 ppb	36.25	1.30	
59 Co	72	1	0.000 ppb	164.11	1.30	
60 Ni	72	1	0.002 ppb	122.24	2.60	
63 Cu	72	1	0.009 ppb	45.60	2.60	
66 Zn	72	1	0.015 ppb	19.59	13.00	
75 As	72	1	0.002 ppb	561.64	6.50	
78 Se	72	1	0.075 ppb	465.07	6.50	
95 Mo	72	1	0.024 ppb	41.98	2.60	
107 Ag	115	1	-0.001 ppb	119.32	6.50	
111 Cd	115	1	0.015 ppb	62.54	1.30	
118 Sn	115	1	0.007 ppb	70.37	13.00	
121 Sb	115	1	0.001 ppb	105.40	2.60	
137 Ba	115	1	0.003 ppb	45.56	1.30	
205 Tl	165	1	0.001 ppb	101.71	1.30	
208 Pb	165	1	0.215 ppb	2.34	1.30	
232 Th	165	1	-0.001 ppb	68.56	2.60	
238 U	165	1	0.000 ppb	34.61	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	519332	0.43	562663	92.3	30 - 120	
45 Sc	1	2809150	0.73	2876911	97.6	30 - 120	
72 Ge	1	1632467	0.56	1677099	97.3	30 - 120	
115 In	1	5134102	1.19	5335087	96.2	30 - 120	
165 Ho	1	9276424	1.08	9726904	95.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\086CALB.D\086CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\122CAL
Date Acquired: Apr 10 2012 09:46 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 08:05 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	-103	91.10
52	Cr	72	1	2190	1.83
55	Mn	72	1	1390	6.94
59	Co	72	1	290	21.53
60	Ni	72	1	140	37.80
63	Cu	72	1	2050	7.60
66	Zn	72	1	463	5.87
75	As	72	1	126	2.75
78	Se	72	1	600	12.58
95	Mo	72	1	797	12.32
107	Ag	115	1	60	33.33
111	Cd	115	1	507	13.78
118	Sn	115	1	590	20.83
121	Sb	115	1	100	8.82
137	Ba	115	1	117	17.38
205	Tl	165	1	339	3.97
208	Pb	165	1	16078	1.55
232	Th	165	1	440	9.91
238	U	165	1	319	18.59

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	515288	0.78
45	Sc	1	2732561	1.61
72	Ge	1	1621888	0.46
115	In	1	5130768	0.31
165	Ho	1	9328592	1.00

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\123CAL
Date Acquired: Apr 10 2012 09:49 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:47 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	315	40.69
52	Cr	72	1	2457	9.83
55	Mn	72	1	1660	2.63
59	Co	72	1	307	17.96
60	Ni	72	1	177	23.57
63	Cu	72	1	1887	7.23
66	Zn	72	1	461	2.39
75	As	72	1	135	24.69
78	Se	72	1	607	13.33
95	Mo	72	1	717	5.81
107	Ag	115	1	70	24.74
111	Cd	115	1	490	13.52
118	Sn	115	1	563	11.27
121	Sb	115	1	104	29.65
137	Ba	115	1	93	12.88
205	Tl	165	1	318	2.18
208	Pb	165	1	16465	1.98
232	Th	165	1	390	35.61
238	U	165	1	337	23.03

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	512671	0.24
45	Sc	1	2756521	0.40
72	Ge	1	1599793	0.72
115	In	1	5085116	0.05
165	Ho	1	9210497	0.16

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\124CAL
Date Acquired: Apr 10 2012 09:52 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1353181
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:49 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	0	0.00
51	V	72	1	-138	34.77
52	Cr	72	1	2290	6.06
55	Mn	72	1	1247	10.89
59	Co	72	1	233	13.09
60	Ni	72	1	127	32.86
63	Cu	72	1	1747	4.14
66	Zn	72	1	448	6.87
75	As	72	1	152	15.51
78	Se	72	1	627	7.87
95	Mo	72	1	547	11.03
107	Ag	115	1	43	13.32
111	Cd	115	1	433	9.28
118	Sn	115	1	483	6.32
121	Sb	115	1	83	30.20
137	Ba	115	1	109	28.44
205	Tl	165	1	281	22.01
208	Pb	165	1	16227	3.57
232	Th	165	1	330	24.81
238	U	165	1	342	14.19

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	505203	0.33
45	Sc	1	2723466	0.84
72	Ge	1	1598996	1.05
115	In	1	5039083	0.52
165	Ho	1	9169826	0.56

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\125ICAL.D\125ICAL.D#
Date Acquired: Apr 10 2012 09:54 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1353131
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:52 pm
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	70268	0.43
51 V	72	1	2138107	1.69
52 Cr	72	1	2404323	0.86
55 Mn	72	1	2298263	0.69
59 Co	72	1	3379501	0.63
60 Ni	72	1	829499	1.37
63 Cu	72	1	1944579	0.86
66 Zn	72	1	320931	0.57
75 As	72	1	245288	0.53
78 Se	72	1	41299	2.08
95 Mo	72	1	996115	0.36
107 Ag	115	1	3028258	0.81
111 Cd	115	1	502331	0.38
118 Sn	115	1	1400508	0.79
121 Sb	115	1	1367175	1.06
137 Ba	115	1	657369	0.35
205 Tl	165	1	5173898	1.01
208 Pb	165	1	7084942	0.64
232 Th	165	1	6795662	1.45
238 U	165	1	7353033	1.37

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	505131	0.55	505203	100.0	30 - 120	
45 Sc	1	2656383	1.27	2723466	97.5	30 - 120	
72 Ge	1	1579968	0.89	1598996	98.8	30 - 120	
115 In	1	4938655	1.32	5039084	98.0	30 - 120	
165 Ho	1	9167568	0.42	9169826	100.0	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\126_CCV.D\126_CCV.D#
Date Acquired: Apr 10 2012 09:57 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.89	ppb	3.02	50	99.8	90 - 110	
51 V	72	1	51.56	ppb	1.94	50	103.1	90 - 110	
52 Cr	72	1	51.01	ppb	2.22	50	102.0	90 - 110	
55 Mn	72	1	52.01	ppb	1.59	50	104.0	90 - 110	
59 Co	72	1	51.91	ppb	2.65	50	103.8	90 - 110	
60 Ni	72	1	48.71	ppb	1.47	50	97.4	90 - 110	
63 Cu	72	1	51.55	ppb	0.58	50	103.1	90 - 110	
66 Zn	72	1	50.02	ppb	1.24	50	100.0	90 - 110	
75 As	72	1	50.07	ppb	0.89	50	100.1	90 - 110	
78 Se	72	1	49.90	ppb	2.16	50	99.8	90 - 110	
95 Mo	72	1	49.21	ppb	0.69	50	98.4	90 - 110	
107 Ag	115	1	50.85	ppb	0.61	50	101.7	90 - 110	
111 Cd	115	1	49.33	ppb	0.48	50	98.7	90 - 110	
118 Sn	115	1	48.66	ppb	0.68	50	97.3	90 - 110	
121 Sb	115	1	48.55	ppb	0.77	50	97.1	90 - 110	
137 Ba	115	1	49.82	ppb	0.53	50	99.6	90 - 110	
205 Tl	165	1	51.49	ppb	0.34	50	103.0	90 - 110	
208 Pb	165	1	51.59	ppb	1.42	50	103.2	90 - 110	
232 Th	165	1	51.00	ppb	0.95	50	102.0	90 - 110	
238 U	165	1	50.47	ppb	1.55	50	100.9	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	497977	0.60	505203	98.6	30 - 120	
45 Sc	1	2636828	0.88	2723466	96.8	30 - 120	
72 Ge	1	1554797	1.00	1598996	97.2	30 - 120	
115 In	1	4939430	0.85	5039084	98.0	30 - 120	
165 Ho	1	9026821	0.92	9169826	98.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\127_CCB.D\127_CCB.D#
Date Acquired: Apr 10 2012 10:00 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.029	ppb	50.47	1.00	
51 V	72	1	0.016	ppb	36.95	1.00	
52 Cr	72	1	0.006	ppb	66.88	1.00	
55 Mn	72	1	0.011	ppb	11.79	1.00	
59 Co	72	1	0.004	ppb	46.10	1.00	
60 Ni	72	1	0.008	ppb	60.37	1.00	
63 Cu	72	1	0.018	ppb	33.64	1.00	
66 Zn	72	1	0.050	ppb	32.43	1.00	
75 As	72	1	-0.002	ppb	358.63	1.00	
78 Se	72	1	-0.227	ppb	61.22	1.00	
95 Mo	72	1	0.023	ppb	47.47	1.00	
107 Ag	115	1	0.012	ppb	15.05	1.00	
111 Cd	115	1	0.014	ppb	153.32	1.00	
118 Sn	115	1	0.027	ppb	10.80	1.00	
121 Sb	115	1	0.090	ppb	5.59	1.00	
137 Ba	115	1	0.008	ppb	70.33	1.00	
205 Tl	165	1	0.027	ppb	13.97	1.00	
208 Pb	165	1	0.018	ppb	12.77	1.00	
232 Th	165	1	0.070	ppb	5.38	1.00	
238 U	165	1	0.008	ppb	8.48	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	500522	0.92	505203	99.1	30 - 120	
45 Sc	1	2644796	1.94	2723466	97.1	30 - 120	
72 Ge	1	1569197	0.40	1598996	98.1	30 - 120	
115 In	1	4945691	0.72	5039084	98.1	30 - 120	
165 Ho	1	9133032	0.34	9169826	99.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\128WASH.D\128WASH.D#
Date Acquired: Apr 10 2012 10:03 pm
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.050 ppb	18.88	1.30	
51 V	72	1	5.345 ppb	2.31	6.50	
52 Cr	72	1	2.114 ppb	3.32	2.60	
55 Mn	72	1	1.166 ppb	1.52	1.30	
59 Co	72	1	1.061 ppb	2.80	1.30	
60 Ni	72	1	2.110 ppb	3.92	2.60	
63 Cu	72	1	2.218 ppb	1.70	2.60	
66 Zn	72	1	10.900 ppb	1.94	13.00	
75 As	72	1	5.082 ppb	1.53	6.50	
78 Se	72	1	4.635 ppb	8.03	6.50	
95 Mo	72	1	2.113 ppb	2.68	2.60	
107 Ag	115	1	5.079 ppb	1.34	6.50	
111 Cd	115	1	1.074 ppb	6.50	1.30	
118 Sn	115	1	10.080 ppb	0.25	13.00	
121 Sb	115	1	2.099 ppb	1.06	2.60	
137 Ba	115	1	1.058 ppb	4.02	1.30	
205 Tl	165	1	1.096 ppb	0.29	1.30	
208 Pb	165	1	1.071 ppb	0.38	1.30	
232 Th	165	1	2.129 ppb	1.80	2.60	
238 U	165	1	1.038 ppb	0.52	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	497374	0.33	505203	98.5	30 - 120	
45 Sc	1	2661484	0.42	2723466	97.7	30 - 120	
72 Ge	1	1545026	1.26	1598996	96.6	30 - 120	
115 In	1	4922316	1.22	5039084	97.7	30 - 120	
165 Ho	1	9029589	0.59	9169826	98.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\129SMPL.D\129SMPL.D#
Date Acquired: Apr 10 2012 10:06 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-13-a
Misc Info:
Vial Number: 3204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 09:55 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.24	0.24	ppb	9.36	3600	
51 V	72	1	20.49	20.49	ppb	0.85	3600	
52 Cr	72	1	8.51	8.51	ppb	0.84	3600	
55 Mn	72	1	7,972.00	7972.00	ppb	0.79	18000	
59 Co	72	1	331.90	331.90	ppb	0.45	3600	
60 Ni	72	1	41.15	41.15	ppb	1.02	3600	
63 Cu	72	1	207.40	207.40	ppb	0.91	3600	
66 Zn	72	1	125.80	125.80	ppb	0.93	3600	
75 As	72	1	8.79	8.79	ppb	0.73	3600	
78 Se	72	1	0.20	0.20	ppb	101.72	3600	
95 Mo	72	1	0.84	0.84	ppb	3.57	3600	
107 Ag	115	1	0.10	0.10	ppb	3.24	3600	
111 Cd	115	1	0.37	0.37	ppb	16.46	3600	
118 Sn	115	1	0.82	0.82	ppb	4.68	3600	
121 Sb	115	1	3.59	3.59	ppb	1.94	3600	
137 Ba	115	1	22.68	22.68	ppb	0.87	3600	
205 Tl	165	1	0.45	0.45	ppb	1.56	3600	
208 Pb	165	1	3,094.00	3094.00	ppb	0.91	3600	
232 Th	165	1	2.96	2.96	ppb	2.38	1000	
238 U	165	1	0.36	0.36	ppb	1.80	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	501296	0.20	505203	99.2	30 - 120	
45 Sc	1	2692778	1.48	2723466	98.9	30 - 120	
72 Ge	1	1535561	0.92	1598996	96.0	30 - 120	
115 In	1	4816567	0.28	5039084	95.6	30 - 120	
165 Ho	1	8988063	0.47	9169826	98.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\130SMPL.D\130SMPL.D#
Date Acquired: Apr 10 2012 10:09 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-14-a
Misc Info:
Vial Number: 3205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 09:55 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.35	0.35	ppb	3.96	3600	
51 V	72	1	26.39	26.39	ppb	0.32	3600	
52 Cr	72	1	19.20	19.20	ppb	0.81	3600	
55 Mn	72	1	322.90	322.90	ppb	0.85	18000	
59 Co	72	1	5.13	5.13	ppb	1.17	3600	
60 Ni	72	1	6.25	6.25	ppb	0.99	3600	
63 Cu	72	1	69.62	69.62	ppb	1.22	3600	
66 Zn	72	1	38.23	38.23	ppb	0.41	3600	
75 As	72	1	10.05	10.05	ppb	0.11	3600	
78 Se	72	1	0.44	0.44	ppb	72.70	3600	
95 Mo	72	1	0.99	0.99	ppb	1.16	3600	
107 Ag	115	1	0.10	0.10	ppb	4.56	3600	
111 Cd	115	1	0.34	0.34	ppb	1.95	3600	
118 Sn	115	1	0.70	0.70	ppb	2.24	3600	
121 Sb	115	1	1.97	1.97	ppb	0.11	3600	
137 Ba	115	1	26.56	26.56	ppb	0.52	3600	
205 Tl	165	1	0.17	0.17	ppb	2.32	3600	
208 Pb	165	1	2,226.00	2226.00	ppb	1.18	3600	
232 Th	165	1	3.57	3.57	ppb	1.47	1000	
238 U	165	1	0.48	0.48	ppb	2.48	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	498400	0.73	505203	98.7	30 - 120	
45 Sc	1	2649763	0.13	2723466	97.3	30 - 120	
72 Ge	1	1509465	0.40	1598996	94.4	30 - 120	
115 In	1	4824359	0.20	5039084	95.7	30 - 120	
165 Ho	1	8970775	0.63	9169826	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\131SMPL.D\131SMPL.D#
Date Acquired: Apr 10 2012 10:12 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-15-a
Misc Info:
Vial Number: 3206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 09:55 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.17	0.17	ppb	64.32	3600	
51 V	72	1	17.04	17.04	ppb	0.77	3600	
52 Cr	72	1	8.92	8.92	ppb	1.35	3600	
55 Mn	72	1	55.64	55.64	ppb	1.01	18000	
59 Co	72	1	1.81	1.81	ppb	1.75	3600	
60 Ni	72	1	3.32	3.32	ppb	1.45	3600	
63 Cu	72	1	36.46	36.46	ppb	0.60	3600	
66 Zn	72	1	19.76	19.76	ppb	0.60	3600	
75 As	72	1	5.83	5.83	ppb	0.83	3600	
78 Se	72	1	0.25	0.25	ppb	105.90	3600	
95 Mo	72	1	0.72	0.72	ppb	1.96	3600	
107 Ag	115	1	0.04	0.04	ppb	4.48	3600	
111 Cd	115	1	0.16	0.16	ppb	18.98	3600	
118 Sn	115	1	0.47	0.47	ppb	2.98	3600	
121 Sb	115	1	1.07	1.07	ppb	2.07	3600	
137 Ba	115	1	6.96	6.96	ppb	0.83	3600	
205 Tl	165	1	0.07	0.07	ppb	3.55	3600	
208 Pb	165	1	801.10	801.10	ppb	0.49	3600	
232 Th	165	1	2.55	2.55	ppb	1.08	1000	
238 U	165	1	0.26	0.26	ppb	2.86	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	495331	0.19	505203	98.0	30 - 120	
45 Sc	1	2659003	0.75	2723466	97.6	30 - 120	
72 Ge	1	1515639	0.88	1598996	94.8	30 - 120	
115 In	1	4806283	0.86	5039084	95.4	30 - 120	
165 Ho	1	8964505	0.53	9169826	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\132SMPL.D\132SMPL.D#
Date Acquired: Apr 10 2012 10:15 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-16-a
Misc Info:
Vial Number: 3207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 09:55 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.17	0.17	ppb	24.06	3600	
51 V	72	1	17.81	17.81	ppb	1.73	3600	
52 Cr	72	1	7.73	7.73	ppb	1.57	3600	
55 Mn	72	1	119.40	119.40	ppb	1.80	18000	
59 Co	72	1	2.23	2.23	ppb	3.06	3600	
60 Ni	72	1	3.38	3.38	ppb	2.48	3600	
63 Cu	72	1	161.20	161.20	ppb	1.45	3600	
66 Zn	72	1	47.92	47.92	ppb	1.56	3600	
75 As	72	1	7.27	7.27	ppb	1.69	3600	
78 Se	72	1	0.12	0.12	ppb	236.85	3600	
95 Mo	72	1	0.68	0.68	ppb	3.73	3600	
107 Ag	115	1	0.21	0.21	ppb	3.44	3600	
111 Cd	115	1	0.23	0.23	ppb	2.61	3600	
118 Sn	115	1	2.88	2.88	ppb	3.75	3600	
121 Sb	115	1	10.49	10.49	ppb	1.53	3600	
137 Ba	115	1	8.59	8.59	ppb	1.81	3600	
205 Tl	165	1	0.07	0.07	ppb	3.70	3600	
208 Pb	165	1	6,492.00	6492.00	ppb	1.15	3600	>LDR
232 Th	165	1	2.46	2.46	ppb	2.84	1000	
238 U	165	1	0.27	0.27	ppb	1.03	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	491206	0.71	505203	97.2	30 - 120	
45 Sc	1	2584219	0.65	2723466	94.9	30 - 120	
72 Ge	1	1494791	1.05	1598996	93.5	30 - 120	
115 In	1	4792705	0.37	5039084	95.1	30 - 120	
165 Ho	1	8959700	0.67	9169826	97.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\133SMPL.D\133SMPL.D#
Date Acquired: Apr 10 2012 10:18 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-17-a
Misc Info:
Vial Number: 3208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 09:55 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.15	0.15	ppb	14.33	3600	
51 V	72	1	13.04	13.04	ppb	2.17	3600	
52 Cr	72	1	10.87	10.87	ppb	0.64	3600	
55 Mn	72	1	98.16	98.16	ppb	0.80	18000	
59 Co	72	1	1.48	1.48	ppb	1.55	3600	
60 Ni	72	1	2.90	2.90	ppb	3.29	3600	
63 Cu	72	1	275.30	275.30	ppb	0.39	3600	
66 Zn	72	1	50.73	50.73	ppb	0.55	3600	
75 As	72	1	20.70	20.70	ppb	1.31	3600	
78 Se	72	1	0.25	0.25	ppb	102.82	3600	
95 Mo	72	1	0.77	0.77	ppb	6.47	3600	
107 Ag	115	1	3.22	3.22	ppb	0.44	3600	
111 Cd	115	1	0.27	0.27	ppb	20.50	3600	
118 Sn	115	1	48.50	48.50	ppb	0.48	3600	
121 Sb	115	1	692.50	692.50	ppb	1.35	3600	
137 Ba	115	1	8.77	8.77	ppb	0.65	3600	
205 Tl	165	1	0.62	0.62	ppb	1.39	3600	
208 Pb	165	1	85,670.00	85670.00	ppb	0.65	3600	>LDR
232 Th	165	1	2.21	2.21	ppb	1.77	1000	
238 U	165	1	0.34	0.34	ppb	2.11	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	390922	0.53	505203	77.4	30 - 120	
45 Sc	1	1910879	1.33	2723466	70.2	30 - 120	
72 Ge	1	1161900	0.67	1598996	72.7	30 - 120	
115 In	1	3878354	0.31	5039084	77.0	30 - 120	
165 Ho	1	7935116	0.60	9169826	86.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\134SMPL.D\134SMPL.D#
Date Acquired: Apr 10 2012 10:20 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-18-a
Misc Info:
Vial Number: 3209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 09:55 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.25	0.25	ppb	18.55	3600	
51 V	72	1	18.34	18.34	ppb	0.90	3600	
52 Cr	72	1	8.95	8.95	ppb	0.50	3600	
55 Mn	72	1	177.60	177.60	ppb	1.40	18000	
59 Co	72	1	4.50	4.50	ppb	1.06	3600	
60 Ni	72	1	5.49	5.49	ppb	3.80	3600	
63 Cu	72	1	504.30	504.30	ppb	0.91	3600	
66 Zn	72	1	119.40	119.40	ppb	0.42	3600	
75 As	72	1	15.15	15.15	ppb	0.76	3600	
78 Se	72	1	0.02	0.02	ppb	979.22	3600	
95 Mo	72	1	1.01	1.01	ppb	3.17	3600	
107 Ag	115	1	0.80	0.80	ppb	1.96	3600	
111 Cd	115	1	0.32	0.32	ppb	13.23	3600	
118 Sn	115	1	13.22	13.22	ppb	0.69	3600	
121 Sb	115	1	59.67	59.67	ppb	0.04	3600	
137 Ba	115	1	16.92	16.92	ppb	0.93	3600	
205 Tl	165	1	0.18	0.18	ppb	1.52	3600	
208 Pb	165	1	24,320.00	24320.00	ppb	0.89	3600	>LDR
232 Th	165	1	2.77	2.77	ppb	2.45	1000	
238 U	165	1	0.39	0.39	ppb	3.78	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	454975	0.21	505203	90.1	30 - 120	
45 Sc	1	2284898	0.10	2723466	83.9	30 - 120	
72 Ge	1	1343399	0.89	1598996	84.0	30 - 120	
115 In	1	4333191	0.44	5039084	86.0	30 - 120	
165 Ho	1	8424888	0.55	9169826	91.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\135SMPL.D\135SMPL.D#
Date Acquired: Apr 10 2012 10:23 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-19-a
Misc Info:
Vial Number: 3210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 09:55 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.26	0.26	ppb	21.23	3600	
51 V	72	1	22.54	22.54	ppb	0.54	3600	
52 Cr	72	1	10.38	10.38	ppb	0.71	3600	
55 Mn	72	1	946.50	946.50	ppb	0.04	18000	
59 Co	72	1	10.84	10.84	ppb	0.54	3600	
60 Ni	72	1	28.03	28.03	ppb	0.59	3600	
63 Cu	72	1	175.10	175.10	ppb	0.56	3600	
66 Zn	72	1	77.59	77.59	ppb	0.35	3600	
75 As	72	1	11.68	11.68	ppb	0.19	3600	
78 Se	72	1	0.22	0.22	ppb	136.71	3600	
95 Mo	72	1	1.38	1.38	ppb	6.75	3600	
107 Ag	115	1	0.20	0.20	ppb	4.83	3600	
111 Cd	115	1	0.44	0.44	ppb	5.87	3600	
118 Sn	115	1	3.05	3.05	ppb	2.14	3600	
121 Sb	115	1	7.49	7.49	ppb	1.33	3600	
137 Ba	115	1	35.34	35.34	ppb	0.51	3600	
205 Tl	165	1	0.19	0.19	ppb	1.52	3600	
208 Pb	165	1	6,359.00	6359.00	ppb	0.69	3600	>LDR
232 Th	165	1	3.24	3.24	ppb	1.35	1000	
238 U	165	1	0.39	0.39	ppb	2.20	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	474526	0.17	505203	93.9	30 - 120	
45 Sc	1	2442719	0.95	2723466	89.7	30 - 120	
72 Ge	1	1430786	0.74	1598996	89.5	30 - 120	
115 In	1	4581805	0.62	5039084	90.9	30 - 120	
165 Ho	1	8647570	0.75	9169826	94.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\136SMPL.D\136SMPL.D#
Date Acquired: Apr 10 2012 10:26 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-20-a
Misc Info:
Vial Number: 3211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 09:55 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.10	ppb	23.79	3600	
51 V	72	1	11.47	11.47	ppb	0.23	3600	
52 Cr	72	1	6.58	6.58	ppb	0.73	3600	
55 Mn	72	1	95.66	95.66	ppb	0.95	18000	
59 Co	72	1	1.65	1.65	ppb	1.47	3600	
60 Ni	72	1	2.94	2.94	ppb	0.60	3600	
63 Cu	72	1	278.60	278.60	ppb	0.21	3600	
66 Zn	72	1	51.30	51.30	ppb	0.44	3600	
75 As	72	1	9.59	9.59	ppb	0.58	3600	
78 Se	72	1	0.08	0.08	ppb	480.84	3600	
95 Mo	72	1	0.60	0.60	ppb	2.54	3600	
107 Ag	115	1	0.41	0.41	ppb	3.70	3600	
111 Cd	115	1	0.18	0.18	ppb	7.56	3600	
118 Sn	115	1	3.60	3.60	ppb	3.02	3600	
121 Sb	115	1	38.57	38.57	ppb	1.79	3600	
137 Ba	115	1	7.51	7.51	ppb	1.41	3600	
205 Tl	165	1	0.09	0.09	ppb	4.06	3600	
208 Pb	165	1	12,070.00	12070.00	ppb	0.36	3600	>LDR
232 Th	165	1	1.91	1.91	ppb	0.28	1000	
238 U	165	1	0.27	0.27	ppb	1.71	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	467400	0.75	505203	92.5	30 - 120	
45 Sc	1	2409303	0.56	2723466	88.5	30 - 120	
72 Ge	1	1416088	0.77	1598996	88.6	30 - 120	
115 In	1	4585941	2.36	5039084	91.0	30 - 120	
165 Ho	1	8675145	0.67	9169826	94.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\137SMPL.D\137SMPL.D#
Date Acquired: Apr 10 2012 10:29 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-16-a
Misc Info: 20X
Vial Number: 3207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 09:55 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.30	0.01	ppb	0.32	3600	
51 V	72	1	17.32	0.87	ppb	3.38	3600	
52 Cr	72	1	12.55	0.63	ppb	2.93	3600	
55 Mn	72	1	117.66	5.88	ppb	1.38	18000	
59 Co	72	1	2.34	0.12	ppb	7.74	3600	
60 Ni	72	1	4.71	0.24	ppb	1.16	3600	
63 Cu	72	1	159.30	7.97	ppb	1.16	3600	
66 Zn	72	1	46.82	2.34	ppb	2.75	3600	
75 As	72	1	7.05	0.35	ppb	2.39	3600	
78 Se	72	1	-4.54	-0.23	ppb	94.98	3600	
95 Mo	72	1	0.63	0.03	ppb	25.06	3600	
107 Ag	115	1	0.21	0.01	ppb	14.76	3600	
111 Cd	115	1	-0.25	-0.01	ppb	85.55	3600	
118 Sn	115	1	4.16	0.21	ppb	4.66	3600	
121 Sb	115	1	14.25	0.71	ppb	2.41	3600	
137 Ba	115	1	8.82	0.44	ppb	2.48	3600	
205 Tl	165	1	0.08	0.00	ppb	9.96	3600	
208 Pb	165	1	6,648.00	332.40	ppb	0.48	3600	
232 Th	165	1	2.49	0.12	ppb	2.62	1000	
238 U	165	1	0.28	0.01	ppb	3.92	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	482140	0.31	505203	95.4	30 - 120	
45 Sc	1	2525624	1.04	2723466	92.7	30 - 120	
72 Ge	1	1509692	0.53	1598996	94.4	30 - 120	
115 In	1	4790182	0.47	5039084	95.1	30 - 120	
165 Ho	1	8856443	0.24	9169826	96.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\138_CCV.D\138_CCV.D#
Date Acquired: Apr 10 2012 10:32 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.16	ppb	1.50	50	98.3	90 - 110	
51 V	72	1	52.02	ppb	0.99	50	104.0	90 - 110	
52 Cr	72	1	51.44	ppb	0.85	50	102.9	90 - 110	
55 Mn	72	1	52.17	ppb	1.34	50	104.3	90 - 110	
59 Co	72	1	52.35	ppb	0.44	50	104.7	90 - 110	
60 Ni	72	1	49.09	ppb	0.83	50	98.2	90 - 110	
63 Cu	72	1	51.43	ppb	0.55	50	102.9	90 - 110	
66 Zn	72	1	50.56	ppb	0.53	50	101.1	90 - 110	
75 As	72	1	50.26	ppb	0.35	50	100.5	90 - 110	
78 Se	72	1	49.72	ppb	1.51	50	99.4	90 - 110	
95 Mo	72	1	49.51	ppb	0.24	50	99.0	90 - 110	
107 Ag	115	1	50.34	ppb	0.67	50	100.7	90 - 110	
111 Cd	115	1	49.53	ppb	1.19	50	99.1	90 - 110	
118 Sn	115	1	48.66	ppb	1.46	50	97.3	90 - 110	
121 Sb	115	1	49.07	ppb	1.01	50	98.1	90 - 110	
137 Ba	115	1	50.20	ppb	0.87	50	100.4	90 - 110	
205 Tl	165	1	51.81	ppb	1.86	50	103.6	90 - 110	
208 Pb	165	1	52.48	ppb	1.28	50	105.0	90 - 110	
232 Th	165	1	51.98	ppb	0.42	50	104.0	90 - 110	
238 U	165	1	52.00	ppb	1.77	50	104.0	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	478320	1.30	505203	94.7	30 - 120	
45 Sc	1	2556265	1.50	2723466	93.9	30 - 120	
72 Ge	1	1483201	0.50	1598996	92.8	30 - 120	
115 In	1	4753830	1.26	5039084	94.3	30 - 120	
165 Ho	1	8881310	1.90	9169826	96.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\139_CCB.D\139_CCB.D#
Date Acquired: Apr 10 2012 10:35 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.025	ppb	34.72	1.00	
51 V	72	1	0.022	ppb	87.47	1.00	
52 Cr	72	1	0.005	ppb	242.56	1.00	
55 Mn	72	1	0.039	ppb	23.47	1.00	
59 Co	72	1	0.006	ppb	18.23	1.00	
60 Ni	72	1	0.010	ppb	46.33	1.00	
63 Cu	72	1	0.019	ppb	16.05	1.00	
66 Zn	72	1	0.047	ppb	33.01	1.00	
75 As	72	1	-0.012	ppb	65.11	1.00	
78 Se	72	1	-0.145	ppb	167.96	1.00	
95 Mo	72	1	0.012	ppb	40.97	1.00	
107 Ag	115	1	0.008	ppb	12.38	1.00	
111 Cd	115	1	0.014	ppb	29.35	1.00	
118 Sn	115	1	0.027	ppb	3.33	1.00	
121 Sb	115	1	0.153	ppb	3.48	1.00	
137 Ba	115	1	0.007	ppb	105.18	1.00	
205 Tl	165	1	0.021	ppb	20.98	1.00	
208 Pb	165	1	0.689	ppb	1.56	1.00	
232 Th	165	1	0.059	ppb	13.38	1.00	
238 U	165	1	0.006	ppb	3.03	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	480169	0.37	505203	95.0	30 - 120	
45 Sc	1	2543816	0.29	2723466	93.4	30 - 120	
72 Ge	1	1504583	1.25	1598996	94.1	30 - 120	
115 In	1	4810775	1.08	5039084	95.5	30 - 120	
165 Ho	1	8873670	0.53	9169826	96.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\140WASH.D\140WASH.D#
Date Acquired: Apr 10 2012 10:38 pm
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.003 ppb	19.19	1.30	
51 V	72	1	5.366 ppb	0.68	6.50	
52 Cr	72	1	2.083 ppb	0.44	2.60	
55 Mn	72	1	1.213 ppb	3.62	1.30	
59 Co	72	1	1.065 ppb	0.96	1.30	
60 Ni	72	1	2.074 ppb	4.60	2.60	
63 Cu	72	1	2.150 ppb	2.31	2.60	
66 Zn	72	1	10.750 ppb	1.88	13.00	
75 As	72	1	5.156 ppb	0.66	6.50	
78 Se	72	1	4.892 ppb	17.39	6.50	
95 Mo	72	1	2.054 ppb	3.18	2.60	
107 Ag	115	1	5.081 ppb	1.70	6.50	
111 Cd	115	1	1.044 ppb	2.07	1.30	
118 Sn	115	1	9.950 ppb	2.27	13.00	
121 Sb	115	1	2.140 ppb	2.87	2.60	
137 Ba	115	1	1.099 ppb	0.39	1.30	
205 Tl	165	1	1.089 ppb	0.55	1.30	
208 Pb	165	1	1.552 ppb	1.07	1.30	
232 Th	165	1	2.151 ppb	0.85	2.60	
238 U	165	1	1.064 ppb	0.49	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	477874	0.24	505203	94.6	30 - 120	
45 Sc	1	2549800	0.97	2723466	93.6	30 - 120	
72 Ge	1	1498904	1.06	1598996	93.7	30 - 120	
115 In	1	4793888	0.51	5039084	95.1	30 - 120	
165 Ho	1	8825260	0.09	9169826	96.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\141WASH.D\141WASH.D#
Date Acquired: Apr 10 2012 10:41 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	1.30	
51 V	72	1	-0.009 ppb	695.98	6.50	
52 Cr	72	1	1.379 ppb	0.72	2.60	
55 Mn	72	1	0.764 ppb	2.12	1.30	
59 Co	72	1	0.083 ppb	8.79	1.30	
60 Ni	72	1	1.159 ppb	4.93	2.60	
63 Cu	72	1	6.042 ppb	0.68	2.60	
66 Zn	72	1	3.507 ppb	2.39	13.00	
75 As	72	1	0.647 ppb	2.57	6.50	
78 Se	72	1	0.009 ppb	545.98	6.50	
95 Mo	72	1	2367.000 ppb	0.20	2.60	
107 Ag	115	1	0.064 ppb	5.20	6.50	
111 Cd	115	1	0.728 ppb	8.16	1.30	
118 Sn	115	1	0.195 ppb	8.31	13.00	
121 Sb	115	1	0.416 ppb	2.32	2.60	
137 Ba	115	1	0.213 ppb	8.17	1.30	
205 Tl	165	1	0.043 ppb	28.36	1.30	
208 Pb	165	1	1.249 ppb	7.62	1.30	
232 Th	165	1	0.050 ppb	5.99	2.60	
238 U	165	1	0.004 ppb	8.63	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	436815	1.08	505203	86.5	30 - 120	
45 Sc	1	2155233	1.68	2723466	79.1	30 - 120	
72 Ge	1	1225194	1.81	1598996	76.6	30 - 120	
115 In	1	3957090	1.69	5039084	78.5	30 - 120	
165 Ho	1	7705800	0.57	9169826	84.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\142WASH.D\142WASH.D#
Date Acquired: Apr 10 2012 10:44 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	1.30	
51 V	72	1	0.011 ppb	142.22	6.50	
52 Cr	72	1	-0.004 ppb	132.57	2.60	
55 Mn	72	1	0.021 ppb	14.55	1.30	
59 Co	72	1	0.001 ppb	156.76	1.30	
60 Ni	72	1	-0.001 ppb	634.25	2.60	
63 Cu	72	1	0.005 ppb	86.87	2.60	
66 Zn	72	1	0.023 ppb	16.43	13.00	
75 As	72	1	-0.007 ppb	62.26	6.50	
78 Se	72	1	-0.192 ppb	51.88	6.50	
95 Mo	72	1	0.329 ppb	17.76	2.60	
107 Ag	115	1	0.001 ppb	81.32	6.50	
111 Cd	115	1	0.000 ppb	7943.60	1.30	
118 Sn	115	1	0.014 ppb	13.12	13.00	
121 Sb	115	1	0.056 ppb	4.13	2.60	
137 Ba	115	1	0.003 ppb	127.97	1.30	
205 Tl	165	1	0.005 ppb	19.46	1.30	
208 Pb	165	1	0.379 ppb	0.46	1.30	
232 Th	165	1	0.004 ppb	35.42	2.60	
238 U	165	1	0.000 ppb	118.97	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	498513	0.14	505203	98.7	30 - 120	
45 Sc	1	2612093	1.23	2723466	95.9	30 - 120	
72 Ge	1	1556135	0.99	1598996	97.3	30 - 120	
115 In	1	4887828	0.65	5039084	97.0	30 - 120	
165 Ho	1	8947445	0.02	9169826	97.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\143WASH.D\143WASH.D#
Date Acquired: Apr 10 2012 10:46 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.005 ppb	173.23	1.30	
51 V	72	1	0.001 ppb	1901.50	6.50	
52 Cr	72	1	-0.003 ppb	311.73	2.60	
55 Mn	72	1	0.013 ppb	56.66	1.30	
59 Co	72	1	0.003 ppb	43.76	1.30	
60 Ni	72	1	0.002 ppb	180.88	2.60	
63 Cu	72	1	0.004 ppb	45.99	2.60	
66 Zn	72	1	0.009 ppb	132.50	13.00	
75 As	72	1	-0.002 ppb	83.30	6.50	
78 Se	72	1	-0.084 ppb	356.36	6.50	
95 Mo	72	1	0.100 ppb	13.85	2.60	
107 Ag	115	1	0.001 ppb	133.77	6.50	
111 Cd	115	1	0.016 ppb	35.50	1.30	
118 Sn	115	1	0.011 ppb	57.22	13.00	
121 Sb	115	1	0.048 ppb	19.62	2.60	
137 Ba	115	1	0.001 ppb	1054.70	1.30	
205 Tl	165	1	0.002 ppb	24.48	1.30	
208 Pb	165	1	0.286 ppb	5.54	1.30	
232 Th	165	1	0.002 ppb	32.77	2.60	
238 U	165	1	0.000 ppb	23.23	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	505003	0.24	505203	100.0	30 - 120	
45 Sc	1	2644400	0.17	2723466	97.1	30 - 120	
72 Ge	1	1555227	1.27	1598996	97.3	30 - 120	
115 In	1	4972890	0.86	5039084	98.7	30 - 120	
165 Ho	1	9070648	1.33	9169826	98.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\144WASH.D\144WASH.D#
Date Acquired: Apr 10 2012 10:49 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.005 ppb	173.18	1.30	
51 V	72	1	0.013 ppb	49.14	6.50	
52 Cr	72	1	0.000 ppb	17203.00	2.60	
55 Mn	72	1	0.016 ppb	30.48	1.30	
59 Co	72	1	0.001 ppb	180.88	1.30	
60 Ni	72	1	0.003 ppb	48.81	2.60	
63 Cu	72	1	0.004 ppb	157.19	2.60	
66 Zn	72	1	0.006 ppb	97.81	13.00	
75 As	72	1	-0.005 ppb	37.43	6.50	
78 Se	72	1	-0.096 ppb	73.55	6.50	
95 Mo	72	1	0.049 ppb	7.27	2.60	
107 Ag	115	1	0.000 ppb	342.66	6.50	
111 Cd	115	1	0.005 ppb	284.58	1.30	
118 Sn	115	1	0.010 ppb	55.87	13.00	
121 Sb	115	1	0.038 ppb	12.26	2.60	
137 Ba	115	1	0.002 ppb	89.16	1.30	
205 Tl	165	1	0.001 ppb	121.63	1.30	
208 Pb	165	1	0.262 ppb	5.60	1.30	
232 Th	165	1	0.002 ppb	69.66	2.60	
238 U	165	1	0.000 ppb	20.30	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	504658	0.73	505203	99.9	30 - 120	
45 Sc	1	2640411	1.02	2723466	97.0	30 - 120	
72 Ge	1	1570674	1.32	1598996	98.2	30 - 120	
115 In	1	4993552	0.75	5039084	99.1	30 - 120	
165 Ho	1	9122473	0.74	9169826	99.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\145WASH.D\145WASH.D#
Date Acquired: Apr 10 2012 10:52 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.010 ppb	173.15	1.30	
51 V	72	1	0.008 ppb	68.93	6.50	
52 Cr	72	1	0.008 ppb	36.20	2.60	
55 Mn	72	1	0.010 ppb	78.26	1.30	
59 Co	72	1	0.001 ppb	249.34	1.30	
60 Ni	72	1	0.002 ppb	254.45	2.60	
63 Cu	72	1	-0.003 ppb	175.71	2.60	
66 Zn	72	1	0.007 ppb	89.20	13.00	
75 As	72	1	-0.007 ppb	13.81	6.50	
78 Se	72	1	-0.456 ppb	33.63	6.50	
95 Mo	72	1	0.033 ppb	27.50	2.60	
107 Ag	115	1	0.000 ppb	250.27	6.50	
111 Cd	115	1	0.007 ppb	151.35	1.30	
118 Sn	115	1	0.008 ppb	71.06	13.00	
121 Sb	115	1	0.031 ppb	2.06	2.60	
137 Ba	115	1	0.003 ppb	94.32	1.30	
205 Tl	165	1	0.000 ppb	356.07	1.30	
208 Pb	165	1	0.256 ppb	5.05	1.30	
232 Th	165	1	0.002 ppb	28.01	2.60	
238 U	165	1	0.000 ppb	6230.20	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	493090	0.31	505203	97.6	30 - 120	
45 Sc	1	2672327	1.75	2723466	98.1	30 - 120	
72 Ge	1	1577283	0.50	1598996	98.6	30 - 120	
115 In	1	4958570	0.42	5039084	98.4	30 - 120	
165 Ho	1	9007765	0.23	9169826	98.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\146WASH.D\146WASH.D#
Date Acquired: Apr 10 2012 10:55 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.010 ppb	86.60	1.30	
51 V	72	1	0.008 ppb	29.74	6.50	
52 Cr	72	1	-0.006 ppb	91.12	2.60	
55 Mn	72	1	0.019 ppb	57.06	1.30	
59 Co	72	1	0.001 ppb	39.97	1.30	
60 Ni	72	1	0.008 ppb	81.62	2.60	
63 Cu	72	1	-0.006 ppb	110.82	2.60	
66 Zn	72	1	-0.002 ppb	69.76	13.00	
75 As	72	1	-0.008 ppb	136.70	6.50	
78 Se	72	1	-0.258 ppb	63.09	6.50	
95 Mo	72	1	0.015 ppb	18.36	2.60	
107 Ag	115	1	-0.001 ppb	75.49	6.50	
111 Cd	115	1	0.002 ppb	350.89	1.30	
118 Sn	115	1	0.009 ppb	49.98	13.00	
121 Sb	115	1	0.027 ppb	15.85	2.60	
137 Ba	115	1	0.004 ppb	56.27	1.30	
205 Tl	165	1	0.000 ppb	106.87	1.30	
208 Pb	165	1	0.248 ppb	3.61	1.30	
232 Th	165	1	0.002 ppb	33.75	2.60	
238 U	165	1	0.000 ppb	542.38	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	493024	0.69	505203	97.6	30 - 120	
45 Sc	1	2660022	0.49	2723466	97.7	30 - 120	
72 Ge	1	1545664	0.36	1598996	96.7	30 - 120	
115 In	1	4925942	0.74	5039084	97.8	30 - 120	
165 Ho	1	9048744	0.36	9169826	98.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\147WASH.D\147WASH.D#
Date Acquired: Apr 10 2012 10:58 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.005 ppb	173.20	1.30	
51 V	72	1	0.005 ppb	147.30	6.50	
52 Cr	72	1	-0.001 ppb	645.95	2.60	
55 Mn	72	1	0.014 ppb	32.68	1.30	
59 Co	72	1	-0.001 ppb	70.73	1.30	
60 Ni	72	1	-0.005 ppb	24.11	2.60	
63 Cu	72	1	-0.001 ppb	511.99	2.60	
66 Zn	72	1	0.008 ppb	79.83	13.00	
75 As	72	1	-0.006 ppb	161.51	6.50	
78 Se	72	1	-0.134 ppb	180.39	6.50	
95 Mo	72	1	0.016 ppb	11.91	2.60	
107 Ag	115	1	0.001 ppb	56.62	6.50	
111 Cd	115	1	0.000 ppb	3087.80	1.30	
118 Sn	115	1	0.012 ppb	70.38	13.00	
121 Sb	115	1	0.027 ppb	10.51	2.60	
137 Ba	115	1	0.002 ppb	190.69	1.30	
205 Tl	165	1	0.001 ppb	39.41	1.30	
208 Pb	165	1	0.239 ppb	1.93	1.30	
232 Th	165	1	0.000 ppb	273.31	2.60	
238 U	165	1	0.000 ppb	163.05	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	492987	0.93	505203	97.6	30 - 120	
45 Sc	1	2642263	0.44	2723466	97.0	30 - 120	
72 Ge	1	1528711	0.22	1598996	95.6	30 - 120	
115 In	1	4906562	0.16	5039084	97.4	30 - 120	
165 Ho	1	8963049	0.46	9169826	97.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\124CALB.D\124CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\148CAL
Date Acquired: Apr 10 2012 11:01 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 09:55 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	10	100.00
51	V	72	1	3	5497.30
52	Cr	72	1	2150	1.61
55	Mn	72	1	1533	10.46
59	Co	72	1	210	45.92
60	Ni	72	1	120	43.30
63	Cu	72	1	1457	6.38
66	Zn	72	1	431	4.21
75	As	72	1	140	1.43
78	Se	72	1	557	8.49
95	Mo	72	1	650	4.07
107	Ag	115	1	40	50.00
111	Cd	115	1	509	7.49
118	Sn	115	1	500	21.64
121	Sb	115	1	333	6.00
137	Ba	115	1	92	25.64
205	Tl	165	1	269	10.02
208	Pb	165	1	31467	3.18
232	Th	165	1	373	5.58
238	U	165	1	334	14.14

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	489084	0.56
45	Sc	1	2606362	0.89
72	Ge	1	1526337	0.97
115	In	1	4881108	1.00
165	Ho	1	8940846	0.24

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\149CAL
Date Acquired: Apr 10 2012 11:04 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:02 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	130	273.96
52	Cr	72	1	2287	5.51
55	Mn	72	1	1523	6.58
59	Co	72	1	230	11.50
60	Ni	72	1	140	12.37
63	Cu	72	1	1603	9.09
66	Zn	72	1	419	10.14
75	As	72	1	136	14.93
78	Se	72	1	513	9.81
95	Mo	72	1	617	4.95
107	Ag	115	1	80	33.07
111	Cd	115	1	476	8.48
118	Sn	115	1	523	10.52
121	Sb	115	1	348	7.06
137	Ba	115	1	103	16.13
205	Tl	165	1	267	4.51
208	Pb	165	1	30557	1.02
232	Th	165	1	363	19.33
238	U	165	1	280	7.44

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	486712	0.38
45	Sc	1	2594290	1.93
72	Ge	1	1526612	1.18
115	In	1	4874273	0.33
165	Ho	1	8874705	0.39

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\150CAL
Date Acquired: Apr 10 2012 11:07 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1353181
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:05 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	155	22.10
52	Cr	72	1	2237	2.73
55	Mn	72	1	1347	13.70
59	Co	72	1	207	19.56
60	Ni	72	1	80	21.65
63	Cu	72	1	1427	7.06
66	Zn	72	1	366	8.79
75	As	72	1	125	2.45
78	Se	72	1	607	9.94
95	Mo	72	1	547	13.49
107	Ag	115	1	50	60.00
111	Cd	115	1	460	11.37
118	Sn	115	1	447	4.66
121	Sb	115	1	290	10.97
137	Ba	115	1	104	13.29
205	Tl	165	1	281	8.07
208	Pb	165	1	31092	3.89
232	Th	165	1	343	9.36
238	U	165	1	302	11.16

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	484171	0.89
45	Sc	1	2592684	1.14
72	Ge	1	1514481	0.27
115	In	1	4892011	0.36
165	Ho	1	8878112	0.72

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\151ICAL.D\151ICAL.D#
Date Acquired: Apr 10 2012 11:10 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1353131
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:08 pm
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	66290	1.71
51 V	72	1	2048103	0.70
52 Cr	72	1	2288021	0.65
55 Mn	72	1	2248466	0.72
59 Co	72	1	3238042	0.44
60 Ni	72	1	769815	0.62
63 Cu	72	1	1875911	0.62
66 Zn	72	1	306047	0.37
75 As	72	1	234643	0.09
78 Se	72	1	38832	0.26
95 Mo	72	1	950929	0.40
107 Ag	115	1	2895970	0.38
111 Cd	115	1	480960	0.32
118 Sn	115	1	1341989	0.76
121 Sb	115	1	1337549	1.20
137 Ba	115	1	637348	0.43
205 Tl	165	1	5071510	1.10
208 Pb	165	1	6993125	0.78
232 Th	165	1	6738185	1.08
238 U	165	1	7269784	0.19

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	482770	0.73	484171	99.7	30 - 120	
45 Sc	1	2541323	0.47	2592684	98.0	30 - 120	
72 Ge	1	1489452	0.85	1514481	98.3	30 - 120	
115 In	1	4798823	0.38	4892012	98.1	30 - 120	
165 Ho	1	8784923	0.19	8878112	99.0	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\152_CCV.D\152_CCV.D#
Date Acquired: Apr 10 2012 11:13 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.60	ppb	1.64	50	101.2	90 - 110	
51 V	72	1	50.48	ppb	1.32	50	101.0	90 - 110	
52 Cr	72	1	50.09	ppb	0.56	50	100.2	90 - 110	
55 Mn	72	1	50.25	ppb	1.43	50	100.5	90 - 110	
59 Co	72	1	50.16	ppb	1.80	50	100.3	90 - 110	
60 Ni	72	1	49.33	ppb	0.45	50	98.7	90 - 110	
63 Cu	72	1	50.72	ppb	2.49	50	101.4	90 - 110	
66 Zn	72	1	49.73	ppb	0.45	50	99.5	90 - 110	
75 As	72	1	49.25	ppb	0.94	50	98.5	90 - 110	
78 Se	72	1	50.00	ppb	2.60	50	100.0	90 - 110	
95 Mo	72	1	49.02	ppb	0.65	50	98.0	90 - 110	
107 Ag	115	1	51.43	ppb	2.69	50	102.9	90 - 110	
111 Cd	115	1	50.43	ppb	1.50	50	100.9	90 - 110	
118 Sn	115	1	49.69	ppb	0.87	50	99.4	90 - 110	
121 Sb	115	1	48.75	ppb	0.99	50	97.5	90 - 110	
137 Ba	115	1	50.45	ppb	0.75	50	100.9	90 - 110	
205 Tl	165	1	50.60	ppb	0.98	50	101.2	90 - 110	
208 Pb	165	1	49.95	ppb	0.91	50	99.9	90 - 110	
232 Th	165	1	49.98	ppb	1.33	50	100.0	90 - 110	
238 U	165	1	50.11	ppb	0.68	50	100.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	477692	0.68	484171	98.7	30 - 120	
45 Sc	1	2529884	0.62	2592684	97.6	30 - 120	
72 Ge	1	1501649	0.13	1514481	99.2	30 - 120	
115 In	1	4760085	1.55	4892012	97.3	30 - 120	
165 Ho	1	8862012	0.82	8878112	99.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\153_CCB.D\153_CCB.D#
Date Acquired: Apr 10 2012 11:15 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.005	ppb	342.33	1.00	
51 V	72	1	-0.008	ppb	24.73	1.00	
52 Cr	72	1	0.004	ppb	231.05	1.00	
55 Mn	72	1	0.015	ppb	48.48	1.00	
59 Co	72	1	0.008	ppb	12.33	1.00	
60 Ni	72	1	0.012	ppb	15.94	1.00	
63 Cu	72	1	0.024	ppb	36.25	1.00	
66 Zn	72	1	0.049	ppb	31.82	1.00	
75 As	72	1	0.008	ppb	103.64	1.00	
78 Se	72	1	-0.349	ppb	11.48	1.00	
95 Mo	72	1	0.022	ppb	38.68	1.00	
107 Ag	115	1	0.013	ppb	7.44	1.00	
111 Cd	115	1	0.001	ppb	378.95	1.00	
118 Sn	115	1	0.040	ppb	22.23	1.00	
121 Sb	115	1	0.085	ppb	5.35	1.00	
137 Ba	115	1	0.009	ppb	63.71	1.00	
205 Tl	165	1	0.031	ppb	16.89	1.00	
208 Pb	165	1	-0.015	ppb	53.27	1.00	
232 Th	165	1	0.081	ppb	14.02	1.00	
238 U	165	1	0.010	ppb	3.77	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	475962	0.83	484171	98.3	30 - 120	
45 Sc	1	2530218	1.06	2592684	97.6	30 - 120	
72 Ge	1	1489342	0.92	1514481	98.3	30 - 120	
115 In	1	4775957	0.30	4892012	97.6	30 - 120	
165 Ho	1	8785454	0.70	8878112	99.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\154WASH.D\154WASH.D#
Date Acquired: Apr 10 2012 11:18 pm
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.986 ppb	21.08	1.30	
51 V	72	1	5.224 ppb	0.06	6.50	
52 Cr	72	1	2.076 ppb	0.63	2.60	
55 Mn	72	1	1.140 ppb	1.99	1.30	
59 Co	72	1	1.034 ppb	0.63	1.30	
60 Ni	72	1	2.090 ppb	2.52	2.60	
63 Cu	72	1	2.165 ppb	0.66	2.60	
66 Zn	72	1	10.750 ppb	0.69	13.00	
75 As	72	1	5.064 ppb	0.43	6.50	
78 Se	72	1	5.079 ppb	2.93	6.50	
95 Mo	72	1	2.031 ppb	2.50	2.60	
107 Ag	115	1	5.070 ppb	0.41	6.50	
111 Cd	115	1	1.087 ppb	2.82	1.30	
118 Sn	115	1	10.120 ppb	0.61	13.00	
121 Sb	115	1	2.044 ppb	1.28	2.60	
137 Ba	115	1	1.065 ppb	1.66	1.30	
205 Tl	165	1	1.073 ppb	0.70	1.30	
208 Pb	165	1	1.023 ppb	2.19	1.30	
232 Th	165	1	2.074 ppb	1.63	2.60	
238 U	165	1	1.035 ppb	0.92	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	475413	0.51	484171	98.2	30 - 120	
45 Sc	1	2518588	0.64	2592684	97.1	30 - 120	
72 Ge	1	1494467	0.87	1514481	98.7	30 - 120	
115 In	1	4788937	0.69	4892012	97.9	30 - 120	
165 Ho	1	8761194	0.63	8878112	98.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\155SMPL.D\155SMPL.D#
Date Acquired: Apr 10 2012 11:21 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-4-a
Misc Info:
Vial Number: 3107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.53	0.53	ppb	22.67	3600	
51 V	72	1	48.83	48.83	ppb	1.47	3600	
52 Cr	72	1	51.14	51.14	ppb	0.85	3600	
55 Mn	72	1	523.50	523.50	ppb	0.78	18000	
59 Co	72	1	10.42	10.42	ppb	0.72	3600	
60 Ni	72	1	12.85	12.85	ppb	1.19	3600	
63 Cu	72	1	155.10	155.10	ppb	0.78	3600	
66 Zn	72	1	68.10	68.10	ppb	0.72	3600	
75 As	72	1	20.63	20.63	ppb	0.66	3600	
78 Se	72	1	0.90	0.90	ppb	9.38	3600	
95 Mo	72	1	1.57	1.57	ppb	2.95	3600	
107 Ag	115	1	0.11	0.11	ppb	7.67	3600	
111 Cd	115	1	0.49	0.49	ppb	4.45	3600	
118 Sn	115	1	0.47	0.47	ppb	3.95	3600	
121 Sb	115	1	1.34	1.34	ppb	1.94	3600	
137 Ba	115	1	45.89	45.89	ppb	0.22	3600	
205 Tl	165	1	0.42	0.42	ppb	1.52	3600	
208 Pb	165	1	3,230.00	3230.00	ppb	1.09	3600	
232 Th	165	1	6.92	6.92	ppb	0.64	1000	
238 U	165	1	1.15	1.15	ppb	0.15	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	476369	0.30	484171	98.4	30 - 120	
45 Sc	1	2564941	1.21	2592684	98.9	30 - 120	
72 Ge	1	1475669	0.33	1514481	97.4	30 - 120	
115 In	1	4646004	0.64	4892012	95.0	30 - 120	
165 Ho	1	8680875	1.20	8878112	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\156SMPL.D\156SMPL.D#
Date Acquired: Apr 10 2012 11:24 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-5-a
Misc Info:
Vial Number: 3108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.55	0.55	ppb	7.02	3600	
51 V	72	1	47.55	47.55	ppb	1.52	3600	
52 Cr	72	1	26.81	26.81	ppb	1.25	3600	
55 Mn	72	1	432.40	432.40	ppb	1.35	18000	
59 Co	72	1	10.00	10.00	ppb	0.60	3600	
60 Ni	72	1	14.20	14.20	ppb	0.97	3600	
63 Cu	72	1	100.20	100.20	ppb	0.61	3600	
66 Zn	72	1	66.98	66.98	ppb	0.56	3600	
75 As	72	1	23.02	23.02	ppb	1.86	3600	
78 Se	72	1	0.70	0.70	ppb	30.86	3600	
95 Mo	72	1	1.50	1.50	ppb	2.36	3600	
107 Ag	115	1	0.15	0.15	ppb	7.78	3600	
111 Cd	115	1	0.53	0.53	ppb	10.48	3600	
118 Sn	115	1	0.54	0.54	ppb	6.03	3600	
121 Sb	115	1	1.96	1.96	ppb	7.52	3600	
137 Ba	115	1	44.74	44.74	ppb	1.15	3600	
205 Tl	165	1	0.47	0.47	ppb	0.62	3600	
208 Pb	165	1	3,136.00	3136.00	ppb	0.50	3600	
232 Th	165	1	6.34	6.34	ppb	1.76	1000	
238 U	165	1	1.14	1.14	ppb	1.87	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	472451	0.49	484171	97.6	30 - 120	
45 Sc	1	2509193	0.68	2592684	96.8	30 - 120	
72 Ge	1	1445080	0.55	1514481	95.4	30 - 120	
115 In	1	4574943	0.64	4892012	93.5	30 - 120	
165 Ho	1	8722417	0.63	8878112	98.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\157SMPL.D\157SMPL.D#
Date Acquired: Apr 10 2012 11:27 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-6-a
Misc Info: 20
Vial Number: 3109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.81	0.04	ppb	64.87	3600	
51 V	72	1	52.86	2.64	ppb	1.03	3600	
52 Cr	72	1	34.38	1.72	ppb	2.17	3600	
55 Mn	72	1	853.60	42.68	ppb	0.87	18000	
59 Co	72	1	21.22	1.06	ppb	1.22	3600	
60 Ni	72	1	19.28	0.96	ppb	3.65	3600	
63 Cu	72	1	618.20	30.91	ppb	1.70	3600	
66 Zn	72	1	176.04	8.80	ppb	1.55	3600	
75 As	72	1	28.80	1.44	ppb	3.08	3600	
78 Se	72	1	0.08	0.00	ppb	5651.00	3600	
95 Mo	72	1	1.97	0.10	ppb	7.04	3600	
107 Ag	115	1	0.47	0.02	ppb	4.27	3600	
111 Cd	115	1	0.03	0.00	ppb	1465.10	3600	
118 Sn	115	1	3.59	0.18	ppb	5.06	3600	
121 Sb	115	1	5.57	0.28	ppb	3.11	3600	
137 Ba	115	1	43.52	2.18	ppb	1.75	3600	
205 Tl	165	1	0.62	0.03	ppb	2.77	3600	
208 Pb	165	1	16,242.00	812.10	ppb	0.95	3600	
232 Th	165	1	7.13	0.36	ppb	1.46	1000	
238 U	165	1	1.16	0.06	ppb	2.80	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	479310	0.24	484171	99.0	30 - 120	
45 Sc	1	2526095	0.66	2592684	97.4	30 - 120	
72 Ge	1	1493398	1.04	1514481	98.6	30 - 120	
115 In	1	4759940	1.12	4892012	97.3	30 - 120	
165 Ho	1	8797180	0.79	8878112	99.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\158SMPL.D\158SMPL.D#
Date Acquired: Apr 10 2012 11:30 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-7-a
Misc Info:
Vial Number: 3110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.24	0.24	ppb	10.10	3600	
51 V	72	1	21.86	21.86	ppb	1.54	3600	
52 Cr	72	1	10.45	10.45	ppb	1.31	3600	
55 Mn	72	1	277.10	277.10	ppb	2.13	18000	
59 Co	72	1	8.31	8.31	ppb	0.95	3600	
60 Ni	72	1	7.80	7.80	ppb	2.30	3600	
63 Cu	72	1	12.58	12.58	ppb	1.30	3600	
66 Zn	72	1	27.16	27.16	ppb	1.75	3600	
75 As	72	1	6.79	6.79	ppb	2.18	3600	
78 Se	72	1	0.69	0.69	ppb	52.62	3600	
95 Mo	72	1	1.29	1.29	ppb	3.23	3600	
107 Ag	115	1	0.06	0.06	ppb	13.60	3600	
111 Cd	115	1	0.46	0.46	ppb	4.11	3600	
118 Sn	115	1	0.20	0.20	ppb	4.04	3600	
121 Sb	115	1	0.27	0.27	ppb	2.54	3600	
137 Ba	115	1	62.74	62.74	ppb	1.54	3600	
205 Tl	165	1	0.39	0.39	ppb	2.49	3600	
208 Pb	165	1	349.00	349.00	ppb	0.49	3600	
232 Th	165	1	4.89	4.89	ppb	0.93	1000	
238 U	165	1	0.59	0.59	ppb	0.30	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465718	0.41	484171	96.2	30 - 120	
45 Sc	1	2470812	0.47	2592684	95.3	30 - 120	
72 Ge	1	1438709	1.09	1514481	95.0	30 - 120	
115 In	1	4587280	1.09	4892012	93.8	30 - 120	
165 Ho	1	8600910	0.18	8878112	96.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\159SMPL.D\159SMPL.D#
Date Acquired: Apr 10 2012 11:33 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-8-a
Misc Info: 20
Vial Number: 3111
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.31	0.02	ppb	152.13	3600	
51 V	72	1	79.44	3.97	ppb	2.13	3600	
52 Cr	72	1	63.66	3.18	ppb	0.56	3600	
55 Mn	72	1	800.80	40.04	ppb	1.40	18000	
59 Co	72	1	14.37	0.72	ppb	2.00	3600	
60 Ni	72	1	16.98	0.85	ppb	3.23	3600	
63 Cu	72	1	441.00	22.05	ppb	0.34	3600	
66 Zn	72	1	146.94	7.35	ppb	0.58	3600	
75 As	72	1	31.96	1.60	ppb	3.86	3600	
78 Se	72	1	-1.23	-0.06	ppb	390.59	3600	
95 Mo	72	1	1.76	0.09	ppb	10.42	3600	
107 Ag	115	1	0.30	0.02	ppb	11.46	3600	
111 Cd	115	1	0.06	0.00	ppb	983.99	3600	
118 Sn	115	1	1.65	0.08	ppb	17.77	3600	
121 Sb	115	1	2.52	0.13	ppb	1.20	3600	
137 Ba	115	1	44.50	2.23	ppb	0.79	3600	
205 Tl	165	1	0.54	0.03	ppb	6.29	3600	
208 Pb	165	1	9,214.00	460.70	ppb	0.61	3600	
232 Th	165	1	9.52	0.48	ppb	1.50	1000	
238 U	165	1	1.38	0.07	ppb	4.27	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	470758	0.89	484171	97.2	30 - 120	
45 Sc	1	2518319	1.36	2592684	97.1	30 - 120	
72 Ge	1	1482094	1.24	1514481	97.9	30 - 120	
115 In	1	4690309	0.51	4892012	95.9	30 - 120	
165 Ho	1	8705836	0.72	8878112	98.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\160SMPL.D\160SMPL.D#
Date Acquired: Apr 10 2012 11:36 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-9-a
Misc Info: 20
Vial Number: 3112
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.62	0.03	ppb	29.16	3600	
51 V	72	1	59.80	2.99	ppb	1.59	3600	
52 Cr	72	1	39.70	1.99	ppb	1.37	3600	
55 Mn	72	1	467.40	23.37	ppb	0.80	18000	
59 Co	72	1	10.21	0.51	ppb	0.97	3600	
60 Ni	72	1	17.51	0.88	ppb	2.68	3600	
63 Cu	72	1	168.62	8.43	ppb	1.01	3600	
66 Zn	72	1	92.88	4.64	ppb	2.45	3600	
75 As	72	1	24.78	1.24	ppb	6.29	3600	
78 Se	72	1	-1.44	-0.07	ppb	318.84	3600	
95 Mo	72	1	2.46	0.12	ppb	10.98	3600	
107 Ag	115	1	0.19	0.01	ppb	13.33	3600	
111 Cd	115	1	-0.08	0.00	ppb	192.79	3600	
118 Sn	115	1	0.65	0.03	ppb	26.06	3600	
121 Sb	115	1	1.30	0.06	ppb	11.61	3600	
137 Ba	115	1	43.64	2.18	ppb	1.19	3600	
205 Tl	165	1	0.49	0.02	ppb	6.78	3600	
208 Pb	165	1	5,006.00	250.30	ppb	0.87	3600	
232 Th	165	1	8.29	0.41	ppb	1.40	1000	
238 U	165	1	1.16	0.06	ppb	3.37	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	473132	0.52	484171	97.7	30 - 120	
45 Sc	1	2507673	0.53	2592684	96.7	30 - 120	
72 Ge	1	1491741	0.48	1514481	98.5	30 - 120	
115 In	1	4744156	0.08	4892012	97.0	30 - 120	
165 Ho	1	8704637	0.52	8878112	98.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\161SMPL.D\161SMPL.D#
Date Acquired: Apr 10 2012 11:39 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-10-a
Misc Info: 20
Vial Number: 3201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.73	0.04	ppb	65.88	3600	
51 V	72	1	55.36	2.77	ppb	0.40	3600	
52 Cr	72	1	47.52	2.38	ppb	1.23	3600	
55 Mn	72	1	770.80	38.54	ppb	0.84	18000	
59 Co	72	1	12.58	0.63	ppb	1.20	3600	
60 Ni	72	1	16.32	0.82	ppb	3.76	3600	
63 Cu	72	1	577.60	28.88	ppb	0.50	3600	
66 Zn	72	1	139.72	6.99	ppb	0.75	3600	
75 As	72	1	31.42	1.57	ppb	2.76	3600	
78 Se	72	1	-5.53	-0.28	ppb	125.85	3600	
95 Mo	72	1	1.35	0.07	ppb	10.75	3600	
107 Ag	115	1	0.90	0.04	ppb	8.42	3600	
111 Cd	115	1	0.01	0.00	ppb	5363.20	3600	
118 Sn	115	1	6.31	0.32	ppb	4.45	3600	
121 Sb	115	1	11.04	0.55	ppb	3.18	3600	
137 Ba	115	1	73.88	3.69	ppb	0.77	3600	
205 Tl	165	1	0.49	0.02	ppb	1.89	3600	
208 Pb	165	1	18,168.00	908.40	ppb	1.12	3600	
232 Th	165	1	9.14	0.46	ppb	3.45	1000	
238 U	165	1	1.35	0.07	ppb	0.99	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	470582	0.84	484171	97.2	30 - 120	
45 Sc	1	2542060	0.15	2592684	98.0	30 - 120	
72 Ge	1	1497136	0.37	1514481	98.9	30 - 120	
115 In	1	4731411	0.41	4892012	96.7	30 - 120	
165 Ho	1	8734361	1.55	8878112	98.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\162SMPL.D\162SMPL.D#
Date Acquired: Apr 10 2012 11:41 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-11-a
Misc Info:
Vial Number: 3202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.38	0.38	ppb	28.23	3600	
51 V	72	1	76.39	76.39	ppb	0.87	3600	
52 Cr	72	1	32.75	32.75	ppb	1.01	3600	
55 Mn	72	1	118.00	118.00	ppb	0.61	18000	
59 Co	72	1	3.54	3.54	ppb	1.82	3600	
60 Ni	72	1	7.07	7.07	ppb	2.67	3600	
63 Cu	72	1	41.85	41.85	ppb	1.18	3600	
66 Zn	72	1	43.23	43.23	ppb	0.70	3600	
75 As	72	1	7.88	7.88	ppb	0.35	3600	
78 Se	72	1	0.64	0.64	ppb	51.83	3600	
95 Mo	72	1	1.01	1.01	ppb	4.31	3600	
107 Ag	115	1	0.07	0.07	ppb	6.48	3600	
111 Cd	115	1	0.41	0.41	ppb	7.28	3600	
118 Sn	115	1	0.21	0.21	ppb	4.77	3600	
121 Sb	115	1	0.26	0.26	ppb	6.12	3600	
137 Ba	115	1	16.76	16.76	ppb	0.67	3600	
205 Tl	165	1	0.09	0.09	ppb	1.49	3600	
208 Pb	165	1	811.20	811.20	ppb	1.12	3600	
232 Th	165	1	6.79	6.79	ppb	1.23	1000	
238 U	165	1	0.68	0.68	ppb	1.56	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	469006	1.11	484171	96.9	30 - 120	
45 Sc	1	2613238	0.73	2592684	100.8	30 - 120	
72 Ge	1	1461488	0.33	1514481	96.5	30 - 120	
115 In	1	4646778	0.73	4892012	95.0	30 - 120	
165 Ho	1	8629612	1.10	8878112	97.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\163SMPL.D\163SMPL.D#
Date Acquired: Apr 10 2012 11:44 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-12-a
Misc Info: 10
Vial Number: 3203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 10.00
Autodil Factor: Undiluted
Final Dil Factor: 10.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.01	ppb	1.03	3600	
51 V	72	1	17.93	1.79	ppb	2.21	3600	
52 Cr	72	1	12.01	1.20	ppb	3.55	3600	
55 Mn	72	1	246.40	24.64	ppb	1.15	18000	
59 Co	72	1	3.99	0.40	ppb	1.93	3600	
60 Ni	72	1	5.61	0.56	ppb	3.36	3600	
63 Cu	72	1	72.65	7.27	ppb	1.17	3600	
66 Zn	72	1	35.78	3.58	ppb	0.83	3600	
75 As	72	1	8.80	0.88	ppb	4.21	3600	
78 Se	72	1	-2.39	-0.24	ppb	57.15	3600	
95 Mo	72	1	0.59	0.06	ppb	25.35	3600	
107 Ag	115	1	0.10	0.01	ppb	18.21	3600	
111 Cd	115	1	0.01	0.00	ppb	1848.90	3600	
118 Sn	115	1	1.69	0.17	ppb	7.87	3600	
121 Sb	115	1	4.22	0.42	ppb	2.06	3600	
137 Ba	115	1	17.68	1.77	ppb	0.91	3600	
205 Tl	165	1	0.17	0.02	ppb	4.87	3600	
208 Pb	165	1	3,935.00	393.50	ppb	1.05	3600	
232 Th	165	1	2.73	0.27	ppb	1.44	1000	
238 U	165	1	0.34	0.03	ppb	4.68	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	472996	0.70	484171	97.7	30 - 120	
45 Sc	1	2537658	0.90	2592684	97.9	30 - 120	
72 Ge	1	1492484	1.43	1514481	98.5	30 - 120	
115 In	1	4711079	0.58	4892012	96.3	30 - 120	
165 Ho	1	8677231	0.40	8878112	97.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\164_CCV.D\164_CCV.D#
Date Acquired: Apr 10 2012 11:47 pm
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.18	ppb	2.87	50	104.4	90 - 110	
51 V	72	1	51.71	ppb	3.44	50	103.4	90 - 110	
52 Cr	72	1	51.38	ppb	2.79	50	102.8	90 - 110	
55 Mn	72	1	50.29	ppb	2.69	50	100.6	90 - 110	
59 Co	72	1	50.77	ppb	1.22	50	101.5	90 - 110	
60 Ni	72	1	49.78	ppb	2.84	50	99.6	90 - 110	
63 Cu	72	1	50.71	ppb	3.16	50	101.4	90 - 110	
66 Zn	72	1	49.99	ppb	2.38	50	100.0	90 - 110	
75 As	72	1	50.10	ppb	2.09	50	100.2	90 - 110	
78 Se	72	1	50.91	ppb	1.61	50	101.8	90 - 110	
95 Mo	72	1	48.98	ppb	1.26	50	98.0	90 - 110	
107 Ag	115	1	51.54	ppb	1.56	50	103.1	90 - 110	
111 Cd	115	1	50.05	ppb	1.41	50	100.1	90 - 110	
118 Sn	115	1	49.10	ppb	1.17	50	98.2	90 - 110	
121 Sb	115	1	48.35	ppb	1.16	50	96.7	90 - 110	
137 Ba	115	1	50.48	ppb	1.51	50	101.0	90 - 110	
205 Tl	165	1	50.99	ppb	0.32	50	102.0	90 - 110	
208 Pb	165	1	50.31	ppb	1.18	50	100.6	90 - 110	
232 Th	165	1	51.05	ppb	0.31	50	102.1	90 - 110	
238 U	165	1	50.52	ppb	0.92	50	101.0	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	468123	1.68	484171	96.7	30 - 120	
45 Sc	1	2550407	1.56	2592684	98.4	30 - 120	
72 Ge	1	1478652	1.83	1514481	97.6	30 - 120	
115 In	1	4753660	1.38	4892012	97.2	30 - 120	
165 Ho	1	8742716	0.81	8878112	98.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\165_CCB.D\165_CCB.D#
Date Acquired: Apr 10 2012 11:50 pm
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.000	ppb	8350.70	1.00	
51 V	72	1	-0.007	ppb	232.31	1.00	
52 Cr	72	1	-0.011	ppb	60.78	1.00	
55 Mn	72	1	0.017	ppb	53.68	1.00	
59 Co	72	1	0.003	ppb	29.58	1.00	
60 Ni	72	1	0.008	ppb	53.49	1.00	
63 Cu	72	1	0.019	ppb	36.86	1.00	
66 Zn	72	1	0.052	ppb	2.87	1.00	
75 As	72	1	0.011	ppb	79.83	1.00	
78 Se	72	1	-0.392	ppb	3.28	1.00	
95 Mo	72	1	-0.017	ppb	3.89	1.00	
107 Ag	115	1	0.008	ppb	36.28	1.00	
111 Cd	115	1	0.004	ppb	376.60	1.00	
118 Sn	115	1	0.023	ppb	30.33	1.00	
121 Sb	115	1	0.045	ppb	16.89	1.00	
137 Ba	115	1	0.002	ppb	214.29	1.00	
205 Tl	165	1	0.020	ppb	15.94	1.00	
208 Pb	165	1	-0.053	ppb	8.40	1.00	
232 Th	165	1	0.050	ppb	12.01	1.00	
238 U	165	1	0.004	ppb	18.58	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	469912	0.85	484171	97.1	30 - 120	
45 Sc	1	2511528	1.09	2592684	96.9	30 - 120	
72 Ge	1	1488547	0.36	1514481	98.3	30 - 120	
115 In	1	4731855	1.29	4892012	96.7	30 - 120	
165 Ho	1	8710899	0.85	8878112	98.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\166WASH.D\166WASH.D#
Date Acquired: Apr 10 2012 11:53 pm
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.182 ppb	9.07	1.30	
51 V	72	1	5.235 ppb	0.85	6.50	
52 Cr	72	1	2.065 ppb	0.37	2.60	
55 Mn	72	1	1.128 ppb	2.95	1.30	
59 Co	72	1	1.064 ppb	1.48	1.30	
60 Ni	72	1	2.071 ppb	2.42	2.60	
63 Cu	72	1	2.144 ppb	0.35	2.60	
66 Zn	72	1	10.680 ppb	1.54	13.00	
75 As	72	1	5.083 ppb	1.01	6.50	
78 Se	72	1	4.763 ppb	3.62	6.50	
95 Mo	72	1	1.995 ppb	0.57	2.60	
107 Ag	115	1	5.103 ppb	1.79	6.50	
111 Cd	115	1	1.089 ppb	2.31	1.30	
118 Sn	115	1	10.240 ppb	1.41	13.00	
121 Sb	115	1	2.026 ppb	1.58	2.60	
137 Ba	115	1	1.052 ppb	1.06	1.30	
205 Tl	165	1	1.071 ppb	1.66	1.30	
208 Pb	165	1	0.959 ppb	1.60	1.30	
232 Th	165	1	2.093 ppb	2.18	2.60	
238 U	165	1	1.039 ppb	0.72	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	464242	0.25	484171	95.9	30 - 120	
45 Sc	1	2520456	0.95	2592684	97.2	30 - 120	
72 Ge	1	1490973	0.84	1514481	98.4	30 - 120	
115 In	1	4744995	1.21	4892012	97.0	30 - 120	
165 Ho	1	8664192	0.90	8878112	97.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\167SMPL.D\167SMPL.D#
Date Acquired: Apr 10 2012 11:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-13-a
Misc Info:
Vial Number: 3204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.30	0.30	ppb	6.12	3600	
51 V	72	1	19.82	19.82	ppb	0.71	3600	
52 Cr	72	1	8.40	8.40	ppb	1.96	3600	
55 Mn	72	1	7,612.00	7612.00	ppb	0.98	18000	
59 Co	72	1	321.20	321.20	ppb	1.02	3600	
60 Ni	72	1	40.90	40.90	ppb	0.76	3600	
63 Cu	72	1	201.70	201.70	ppb	1.02	3600	
66 Zn	72	1	122.70	122.70	ppb	0.90	3600	
75 As	72	1	8.47	8.47	ppb	1.31	3600	
78 Se	72	1	0.15	0.15	ppb	17.81	3600	
95 Mo	72	1	0.79	0.79	ppb	6.00	3600	
107 Ag	115	1	0.10	0.10	ppb	3.47	3600	
111 Cd	115	1	0.38	0.38	ppb	9.91	3600	
118 Sn	115	1	0.82	0.82	ppb	2.74	3600	
121 Sb	115	1	3.49	3.49	ppb	0.83	3600	
137 Ba	115	1	22.51	22.51	ppb	0.37	3600	
205 Tl	165	1	0.44	0.44	ppb	1.97	3600	
208 Pb	165	1	3,024.00	3024.00	ppb	0.44	3600	
232 Th	165	1	2.89	2.89	ppb	0.91	1000	
238 U	165	1	0.35	0.35	ppb	0.33	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	477901	1.04	484171	98.7	30 - 120	
45 Sc	1	2579766	0.48	2592684	99.5	30 - 120	
72 Ge	1	1481037	1.03	1514481	97.8	30 - 120	
115 In	1	4642888	0.86	4892012	94.9	30 - 120	
165 Ho	1	8659661	0.77	8878112	97.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\168SMPL.D\168SMPL.D#
Date Acquired: Apr 10 2012 11:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-14-a
Misc Info:
Vial Number: 3205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.40	0.40	ppb	10.10	3600	
51 V	72	1	25.55	25.55	ppb	1.33	3600	
52 Cr	72	1	18.80	18.80	ppb	2.28	3600	
55 Mn	72	1	305.00	305.00	ppb	1.38	18000	
59 Co	72	1	4.94	4.94	ppb	0.40	3600	
60 Ni	72	1	6.16	6.16	ppb	0.74	3600	
63 Cu	72	1	66.83	66.83	ppb	1.04	3600	
66 Zn	72	1	37.05	37.05	ppb	0.59	3600	
75 As	72	1	9.82	9.82	ppb	0.97	3600	
78 Se	72	1	0.35	0.35	ppb	48.57	3600	
95 Mo	72	1	0.98	0.98	ppb	5.47	3600	
107 Ag	115	1	0.09	0.09	ppb	4.79	3600	
111 Cd	115	1	0.35	0.35	ppb	5.18	3600	
118 Sn	115	1	0.74	0.74	ppb	2.51	3600	
121 Sb	115	1	1.88	1.88	ppb	1.87	3600	
137 Ba	115	1	26.23	26.23	ppb	1.00	3600	
205 Tl	165	1	0.16	0.16	ppb	1.53	3600	
208 Pb	165	1	2,151.00	2151.00	ppb	0.19	3600	
232 Th	165	1	3.50	3.50	ppb	0.51	1000	
238 U	165	1	0.46	0.46	ppb	1.48	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	468145	0.56	484171	96.7	30 - 120	
45 Sc	1	2514438	0.57	2592684	97.0	30 - 120	
72 Ge	1	1450454	0.73	1514481	95.8	30 - 120	
115 In	1	4631017	0.42	4892012	94.7	30 - 120	
165 Ho	1	8610900	0.71	8878112	97.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\169SMPL.D\169SMPL.D#
Date Acquired: Apr 11 2012 12:02 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-15-a
Misc Info:
Vial Number: 3206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.18	0.18	ppb	25.09	3600	
51 V	72	1	16.53	16.53	ppb	1.41	3600	
52 Cr	72	1	8.68	8.68	ppb	1.15	3600	
55 Mn	72	1	53.41	53.41	ppb	1.73	18000	
59 Co	72	1	1.81	1.81	ppb	1.80	3600	
60 Ni	72	1	3.40	3.40	ppb	1.73	3600	
63 Cu	72	1	35.49	35.49	ppb	0.67	3600	
66 Zn	72	1	19.48	19.48	ppb	1.06	3600	
75 As	72	1	5.77	5.77	ppb	1.41	3600	
78 Se	72	1	-0.16	-0.16	ppb	174.46	3600	
95 Mo	72	1	0.68	0.68	ppb	10.70	3600	
107 Ag	115	1	0.04	0.04	ppb	6.31	3600	
111 Cd	115	1	0.14	0.14	ppb	10.06	3600	
118 Sn	115	1	0.45	0.45	ppb	8.91	3600	
121 Sb	115	1	1.01	1.01	ppb	0.96	3600	
137 Ba	115	1	6.89	6.89	ppb	1.31	3600	
205 Tl	165	1	0.06	0.06	ppb	0.02	3600	
208 Pb	165	1	788.60	788.60	ppb	0.37	3600	
232 Th	165	1	2.49	2.49	ppb	0.86	1000	
238 U	165	1	0.25	0.25	ppb	1.49	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	463718	0.37	484171	95.8	30 - 120	
45 Sc	1	2503689	1.10	2592684	96.6	30 - 120	
72 Ge	1	1446000	0.75	1514481	95.5	30 - 120	
115 In	1	4653486	0.29	4892012	95.1	30 - 120	
165 Ho	1	8594885	0.57	8878112	96.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\170SMPL.D\170SMPL.D#
Date Acquired: Apr 11 2012 12:04 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-16-a
Misc Info: 20
Vial Number: 3207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.42	0.02	ppb	42.65	3600	
51 V	72	1	17.12	0.86	ppb	4.48	3600	
52 Cr	72	1	12.85	0.64	ppb	3.45	3600	
55 Mn	72	1	115.88	5.79	ppb	0.89	18000	
59 Co	72	1	2.42	0.12	ppb	6.16	3600	
60 Ni	72	1	4.66	0.23	ppb	10.45	3600	
63 Cu	72	1	156.70	7.84	ppb	1.11	3600	
66 Zn	72	1	47.92	2.40	ppb	2.45	3600	
75 As	72	1	7.23	0.36	ppb	5.11	3600	
78 Se	72	1	-6.13	-0.31	ppb	28.09	3600	
95 Mo	72	1	0.19	0.01	ppb	27.53	3600	
107 Ag	115	1	0.22	0.01	ppb	15.95	3600	
111 Cd	115	1	-0.38	-0.02	ppb	31.80	3600	
118 Sn	115	1	4.12	0.21	ppb	7.83	3600	
121 Sb	115	1	10.12	0.51	ppb	6.53	3600	
137 Ba	115	1	9.00	0.45	ppb	2.78	3600	
205 Tl	165	1	0.08	0.00	ppb	14.66	3600	
208 Pb	165	1	6,396.00	319.80	ppb	0.40	3600	
232 Th	165	1	2.36	0.12	ppb	2.34	1000	
238 U	165	1	0.25	0.01	ppb	7.57	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465666	0.56	484171	96.2	30 - 120	
45 Sc	1	2522459	1.76	2592684	97.3	30 - 120	
72 Ge	1	1480007	1.37	1514481	97.7	30 - 120	
115 In	1	4748632	0.13	4892012	97.1	30 - 120	
165 Ho	1	8684337	0.52	8878112	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\171SMPL.D\171SMPL.D#
Date Acquired: Apr 11 2012 12:07 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-17-a
Misc Info: 200
Vial Number: 3208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 200.00
Autodil Factor: Undiluted
Final Dil Factor: 200.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.06	0.01	ppb	169.43	3600	
51 V	72	1	10.33	0.05	ppb	36.56	3600	
52 Cr	72	1	63.30	0.32	ppb	4.94	3600	
55 Mn	72	1	107.00	0.54	ppb	1.06	18000	
59 Co	72	1	2.69	0.01	ppb	32.00	3600	
60 Ni	72	1	18.00	0.09	ppb	18.27	3600	
63 Cu	72	1	261.60	1.31	ppb	1.48	3600	
66 Zn	72	1	52.34	0.26	ppb	4.77	3600	
75 As	72	1	21.88	0.11	ppb	13.79	3600	
78 Se	72	1	-60.96	-0.30	ppb	121.98	3600	
95 Mo	72	1	-2.85	-0.01	ppb	57.70	3600	
107 Ag	115	1	3.02	0.02	ppb	27.31	3600	
111 Cd	115	1	-5.78	-0.03	ppb	27.37	3600	
118 Sn	115	1	47.14	0.24	ppb	4.92	3600	
121 Sb	115	1	668.00	3.34	ppb	2.63	3600	
137 Ba	115	1	11.70	0.06	ppb	11.73	3600	
205 Tl	165	1	0.68	0.00	ppb	23.76	3600	
208 Pb	165	1	82,280.00	411.40	ppb	0.54	3600	
232 Th	165	1	2.13	0.01	ppb	15.33	1000	
238 U	165	1	0.24	0.00	ppb	12.01	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	468068	0.46	484171	96.7	30 - 120	
45 Sc	1	2519570	0.83	2592684	97.2	30 - 120	
72 Ge	1	1483952	1.85	1514481	98.0	30 - 120	
115 In	1	4746147	1.24	4892012	97.0	30 - 120	
165 Ho	1	8623881	0.57	8878112	97.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\172SMPL.D\172SMPL.D#
Date Acquired: Apr 11 2012 12:10 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-18-a
Misc Info: 50
Vial Number: 3209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 50.00
Autodil Factor: Undiluted
Final Dil Factor: 50.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.54	0.01	ppb	147.62	3600	
51 V	72	1	18.78	0.38	ppb	10.43	3600	
52 Cr	72	1	22.06	0.44	ppb	1.72	3600	
55 Mn	72	1	174.75	3.50	ppb	3.01	18000	
59 Co	72	1	4.56	0.09	ppb	5.30	3600	
60 Ni	72	1	9.59	0.19	ppb	11.64	3600	
63 Cu	72	1	492.85	9.86	ppb	1.40	3600	
66 Zn	72	1	121.45	2.43	ppb	1.89	3600	
75 As	72	1	15.53	0.31	ppb	2.73	3600	
78 Se	72	1	-18.20	-0.36	ppb	35.59	3600	
95 Mo	72	1	0.24	0.00	ppb	163.31	3600	
107 Ag	115	1	0.89	0.02	ppb	12.31	3600	
111 Cd	115	1	-1.36	-0.03	ppb	4.54	3600	
118 Sn	115	1	13.58	0.27	ppb	6.40	3600	
121 Sb	115	1	55.70	1.11	ppb	1.75	3600	
137 Ba	115	1	16.93	0.34	ppb	4.03	3600	
205 Tl	165	1	0.18	0.00	ppb	20.45	3600	
208 Pb	165	1	23,185.00	463.70	ppb	0.73	3600	
232 Th	165	1	2.54	0.05	ppb	1.15	1000	
238 U	165	1	0.29	0.01	ppb	7.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	463989	0.86	484171	95.8	30 - 120	
45 Sc	1	2531916	0.28	2592684	97.7	30 - 120	
72 Ge	1	1487757	1.24	1514481	98.2	30 - 120	
115 In	1	4728434	1.41	4892012	96.7	30 - 120	
165 Ho	1	8758132	0.84	8878112	98.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\173SMPL.D\173SMPL.D#
Date Acquired: Apr 11 2012 12:13 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-19-a
Misc Info: 20
Vial Number: 3210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.01	ppb	340.32	3600	
51 V	72	1	21.70	1.09	ppb	1.59	3600	
52 Cr	72	1	15.12	0.76	ppb	1.80	3600	
55 Mn	72	1	962.20	48.11	ppb	2.43	18000	
59 Co	72	1	10.81	0.54	ppb	1.23	3600	
60 Ni	72	1	27.82	1.39	ppb	2.71	3600	
63 Cu	72	1	170.76	8.54	ppb	1.33	3600	
66 Zn	72	1	75.36	3.77	ppb	0.66	3600	
75 As	72	1	11.65	0.58	ppb	3.39	3600	
78 Se	72	1	-4.17	-0.21	ppb	55.03	3600	
95 Mo	72	1	1.17	0.06	ppb	14.33	3600	
107 Ag	115	1	0.18	0.01	ppb	17.16	3600	
111 Cd	115	1	-0.27	-0.01	ppb	51.04	3600	
118 Sn	115	1	3.35	0.17	ppb	2.21	3600	
121 Sb	115	1	6.51	0.33	ppb	5.92	3600	
137 Ba	115	1	35.30	1.77	ppb	3.00	3600	
205 Tl	165	1	0.18	0.01	ppb	9.65	3600	
208 Pb	165	1	6,192.00	309.60	ppb	0.71	3600	
232 Th	165	1	2.97	0.15	ppb	2.86	1000	
238 U	165	1	0.36	0.02	ppb	5.76	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	468938	0.56	484171	96.9	30 - 120	
45 Sc	1	2540208	1.09	2592684	98.0	30 - 120	
72 Ge	1	1499069	0.90	1514481	99.0	30 - 120	
115 In	1	4768914	1.39	4892012	97.5	30 - 120	
165 Ho	1	8686900	1.20	8878112	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\174SMPL.D\174SMPL.D#
Date Acquired: Apr 11 2012 12:16 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-20-a
Misc Info: 20
Vial Number: 3211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.52	0.03	ppb	103.28	3600	
51 V	72	1	11.08	0.55	ppb	9.66	3600	
52 Cr	72	1	11.28	0.56	ppb	3.38	3600	
55 Mn	72	1	93.46	4.67	ppb	1.58	18000	
59 Co	72	1	1.69	0.08	ppb	4.12	3600	
60 Ni	72	1	4.06	0.20	ppb	13.93	3600	
63 Cu	72	1	283.00	14.15	ppb	0.92	3600	
66 Zn	72	1	51.66	2.58	ppb	0.69	3600	
75 As	72	1	9.75	0.49	ppb	3.55	3600	
78 Se	72	1	-4.38	-0.22	ppb	32.86	3600	
95 Mo	72	1	0.11	0.01	ppb	201.64	3600	
107 Ag	115	1	0.41	0.02	ppb	5.01	3600	
111 Cd	115	1	-0.50	-0.02	ppb	8.08	3600	
118 Sn	115	1	3.97	0.20	ppb	3.77	3600	
121 Sb	115	1	37.98	1.90	ppb	2.20	3600	
137 Ba	115	1	7.82	0.39	ppb	3.85	3600	
205 Tl	165	1	0.08	0.00	ppb	24.95	3600	
208 Pb	165	1	11,902.00	595.10	ppb	0.66	3600	
232 Th	165	1	1.73	0.09	ppb	1.41	1000	
238 U	165	1	0.24	0.01	ppb	5.64	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	469114	0.83	484171	96.9	30 - 120	
45 Sc	1	2525396	0.60	2592684	97.4	30 - 120	
72 Ge	1	1490375	1.67	1514481	98.4	30 - 120	
115 In	1	4767422	0.16	4892012	97.5	30 - 120	
165 Ho	1	8666222	1.01	8878112	97.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\175SMPL.D\175SMPL.D#
Date Acquired: Apr 11 2012 12:19 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-16-a
Misc Info: 20
Vial Number: 3207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Fail

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.09	0.00	ppb	105.47	3600	
51 V	72	1	8.16	0.41	ppb	89.51	3600	
52 Cr	72	1	7.10	0.36	ppb	102.59	3600	
55 Mn	72	1	9.15	0.46	ppb	79.45	18000	
59 Co	72	1	0.65	0.03	ppb	65.51	3600	
60 Ni	72	1	1.91	0.10	ppb	92.71	3600	
63 Cu	72	1	4.90	0.25	ppb	99.02	3600	
66 Zn	72	1	4.13	0.21	ppb	100.39	3600	
75 As	72	1	1.14	0.06	ppb	179.02	3600	
78 Se	72	1	-21.64	-1.08	ppb	3.09	3600	
95 Mo	72	1	0.23	0.01	ppb	275.92	3600	
107 Ag	115	1	0.07	0.00	ppb	90.34	3600	
111 Cd	115	1	-1.75	-0.09	ppb	6.35	3600	
118 Sn	115	1	3.75	0.19	ppb	90.84	3600	
121 Sb	115	1	19.33	0.97	ppb	103.87	3600	
137 Ba	115	1	22.04	1.10	ppb	89.36	3600	
205 Tl	165	1	0.15	0.01	ppb	63.28	3600	
208 Pb	165	1	201.40	10.07	ppb	100.00	3600	
232 Th	165	1	0.67	0.03	ppb	63.80	1000	
238 U	165	1	0.82	0.04	ppb	83.39	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	1990406	14.24	484171	411.1	30 - 120	IS Fail
45 Sc	1	8341159	16.37	2592684	321.7	30 - 120	IS Fail
72 Ge	1	5250753	15.46	1514481	346.7	30 - 120	IS Fail
115 In	1	15248399	15.62	4892012	311.7	30 - 120	IS Fail
165 Ho	1	28640628	14.84	8878112	322.6	30 - 120	IS Fail

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
5 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\176_CCV.D\176_CCV.D#
Date Acquired: Apr 11 2012 12:22 am
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.95	ppb	1.46	50	101.9	90 - 110	
51 V	72	1	51.34	ppb	0.77	50	102.7	90 - 110	
52 Cr	72	1	51.53	ppb	0.85	50	103.1	90 - 110	
55 Mn	72	1	51.09	ppb	1.58	50	102.2	90 - 110	
59 Co	72	1	51.45	ppb	0.36	50	102.9	90 - 110	
60 Ni	72	1	50.38	ppb	0.83	50	100.8	90 - 110	
63 Cu	72	1	50.95	ppb	1.21	50	101.9	90 - 110	
66 Zn	72	1	50.37	ppb	0.61	50	100.7	90 - 110	
75 As	72	1	50.41	ppb	1.42	50	100.8	90 - 110	
78 Se	72	1	51.34	ppb	2.96	50	102.7	90 - 110	
95 Mo	72	1	49.49	ppb	0.43	50	99.0	90 - 110	
107 Ag	115	1	51.11	ppb	0.71	50	102.2	90 - 110	
111 Cd	115	1	50.26	ppb	0.77	50	100.5	90 - 110	
118 Sn	115	1	49.25	ppb	0.89	50	98.5	90 - 110	
121 Sb	115	1	48.46	ppb	1.39	50	96.9	90 - 110	
137 Ba	115	1	50.34	ppb	0.82	50	100.7	90 - 110	
205 Tl	165	1	51.03	ppb	0.77	50	102.1	90 - 110	
208 Pb	165	1	50.20	ppb	0.43	50	100.4	90 - 110	
232 Th	165	1	50.58	ppb	1.14	50	101.2	90 - 110	
238 U	165	1	50.28	ppb	0.82	50	100.6	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	463157	0.17	484171	95.7	30 - 120	
45 Sc	1	2505896	0.62	2592684	96.7	30 - 120	
72 Ge	1	1463751	1.32	1514481	96.7	30 - 120	
115 In	1	4726715	0.33	4892012	96.6	30 - 120	
165 Ho	1	8645237	0.45	8878112	97.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\177_CCB.D\177_CCB.D#
Date Acquired: Apr 11 2012 12:25 am
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.011	ppb	147.29	1.00	
51 V	72	1	-0.005	ppb	136.50	1.00	
52 Cr	72	1	-0.005	ppb	172.15	1.00	
55 Mn	72	1	0.027	ppb	23.59	1.00	
59 Co	72	1	0.004	ppb	18.35	1.00	
60 Ni	72	1	0.009	ppb	50.50	1.00	
63 Cu	72	1	0.010	ppb	33.52	1.00	
66 Zn	72	1	0.057	ppb	21.75	1.00	
75 As	72	1	0.013	ppb	33.29	1.00	
78 Se	72	1	-0.332	ppb	46.69	1.00	
95 Mo	72	1	-0.006	ppb	129.00	1.00	
107 Ag	115	1	0.008	ppb	17.08	1.00	
111 Cd	115	1	0.002	ppb	457.09	1.00	
118 Sn	115	1	0.028	ppb	21.32	1.00	
121 Sb	115	1	0.027	ppb	12.92	1.00	
137 Ba	115	1	0.005	ppb	61.97	1.00	
205 Tl	165	1	0.017	ppb	22.32	1.00	
208 Pb	165	1	-0.049	ppb	19.78	1.00	
232 Th	165	1	0.062	ppb	6.33	1.00	
238 U	165	1	0.005	ppb	28.46	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	469408	1.41	484171	97.0	30 - 120	
45 Sc	1	2533045	1.07	2592684	97.7	30 - 120	
72 Ge	1	1479872	0.72	1514481	97.7	30 - 120	
115 In	1	4740593	1.45	4892012	96.9	30 - 120	
165 Ho	1	8628085	1.02	8878112	97.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\178WASH.D\178WASH.D#
Date Acquired: Apr 11 2012 12:28 am
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.213 ppb	16.88	1.30	
51 V	72	1	5.137 ppb	2.14	6.50	
52 Cr	72	1	2.070 ppb	2.53	2.60	
55 Mn	72	1	1.132 ppb	1.94	1.30	
59 Co	72	1	1.077 ppb	0.50	1.30	
60 Ni	72	1	2.096 ppb	4.61	2.60	
63 Cu	72	1	2.109 ppb	1.87	2.60	
66 Zn	72	1	10.660 ppb	1.43	13.00	
75 As	72	1	5.085 ppb	1.09	6.50	
78 Se	72	1	4.824 ppb	3.59	6.50	
95 Mo	72	1	2.033 ppb	2.39	2.60	
107 Ag	115	1	5.103 ppb	0.84	6.50	
111 Cd	115	1	1.067 ppb	1.97	1.30	
118 Sn	115	1	10.110 ppb	1.24	13.00	
121 Sb	115	1	2.020 ppb	1.17	2.60	
137 Ba	115	1	1.051 ppb	2.51	1.30	
205 Tl	165	1	1.069 ppb	1.01	1.30	
208 Pb	165	1	0.971 ppb	1.13	1.30	
232 Th	165	1	2.081 ppb	2.28	2.60	
238 U	165	1	1.038 ppb	0.26	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	464407	0.90	484171	95.9	30 - 120	
45 Sc	1	2554644	0.58	2592684	98.5	30 - 120	
72 Ge	1	1492987	0.62	1514481	98.6	30 - 120	
115 In	1	4757443	0.50	4892012	97.2	30 - 120	
165 Ho	1	8692962	0.07	8878112	97.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\179_BLK.D\179_BLK.D#
Date Acquired: Apr 11 2012 12:30 am
Operator: TEL
Sample Name: mb 280-114682/1-a
Misc Info: BLANK 114682 Soil/DoD4/6020A
Vial Number: 3212
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.011 ppb	147.67	2.00	
51 V	72	1	-0.001 ppb	1090.00	2.00	
52 Cr	72	1	0.018 ppb	57.01	2.00	
55 Mn	72	1	0.037 ppb	5.18	2.00	
59 Co	72	1	0.001 ppb	161.14	2.00	
60 Ni	72	1	0.032 ppb	17.56	2.00	
63 Cu	72	1	0.143 ppb	10.13	2.00	
66 Zn	72	1	0.264 ppb	1.23	2.00	
75 As	72	1	0.005 ppb	90.49	2.00	
78 Se	72	1	-0.374 ppb	55.79	2.00	
95 Mo	72	1	-0.007 ppb	76.56	2.00	
107 Ag	115	1	0.004 ppb	38.21	2.00	
111 Cd	115	1	0.024 ppb	58.51	2.00	
118 Sn	115	1	0.108 ppb	2.36	2.00	
121 Sb	115	1	-0.002 ppb	48.78	2.00	
137 Ba	115	1	0.033 ppb	10.05	2.00	
205 Tl	165	1	0.004 ppb	14.54	2.00	
208 Pb	165	1	0.082 ppb	14.04	2.00	
232 Th	165	1	0.013 ppb	9.47	2.00	
238 U	165	1	0.004 ppb	19.42	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	467068	0.41	484171	96.5	30 - 120	
45 Sc	1	2549130	0.68	2592684	98.3	30 - 120	
72 Ge	1	1478735	0.88	1514481	97.6	30 - 120	
115 In	1	4724063	0.83	4892012	96.6	30 - 120	
165 Ho	1	8659899	0.60	8878112	97.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\180_LCS.D\180_LCS.D#
Date Acquired: Apr 11 2012 12:33 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-114682/2-a
Misc Info: LCS
Vial Number: 3301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	40.26	2.43	40	100.7	80 - 120	
51 V	72	1	41.12	0.64	40	102.8	80 - 120	
52 Cr	72	1	41.09	0.45	40	102.7	80 - 120	
55 Mn	72	1	40.69	2.67	40	101.7	80 - 120	
59 Co	72	1	41.67	1.64	40	104.2	80 - 120	
60 Ni	72	1	39.91	1.56	40	99.8	80 - 120	
63 Cu	72	1	40.00	1.67	40	100.0	80 - 120	
66 Zn	72	1	39.56	1.48	40	98.9	80 - 120	
75 As	72	1	39.27	0.94	40	98.2	80 - 120	
78 Se	72	1	41.05	2.47	40	102.6	80 - 120	
95 Mo	72	1	39.64	1.37	40	99.1	80 - 120	
107 Ag	115	1	41.11	0.58	40	102.8	80 - 120	
111 Cd	115	1	39.70	0.93	40	99.3	80 - 120	
118 Sn	115	1	40.11	0.65	40	100.3	80 - 120	
121 Sb	115	1	39.20	0.64	40	98.0	80 - 120	
137 Ba	115	1	40.70	0.49	40	101.8	80 - 120	
205 Tl	165	1	40.29	1.03	40	100.7	80 - 120	
208 Pb	165	1	41.19	1.23	40	103.0	80 - 120	
232 Th	165	1	40.37	1.00	40	100.9	80 - 120	
238 U	165	1	40.39	0.89	40	101.0	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465033	0.86	484171	96.0	30 - 120	
45 Sc	1	2515389	0.42	2592684	97.0	30 - 120	
72 Ge	1	1464349	1.16	1514481	96.7	30 - 120	
115 In	1	4676396	0.25	4892012	95.6	30 - 120	
165 Ho	1	8643786	1.28	8878112	97.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\181AREF.D\181AREF.D#
Date Acquired: Apr 11 2012 12:36 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-21-a
Misc Info:
Vial Number: 3302
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.12	0.12	ppb	39.63	3600	
51 V	72	1	21.91	21.91	ppb	0.49	3600	
52 Cr	72	1	8.00	8.00	ppb	0.98	3600	
55 Mn	72	1	154.80	154.80	ppb	1.17	18000	
59 Co	72	1	2.15	2.15	ppb	0.34	3600	
60 Ni	72	1	3.48	3.48	ppb	1.32	3600	
63 Cu	72	1	260.40	260.40	ppb	1.07	3600	
66 Zn	72	1	69.26	69.26	ppb	0.64	3600	
75 As	72	1	9.12	9.12	ppb	0.44	3600	
78 Se	72	1	-0.03	-0.03	ppb	59.47	3600	
95 Mo	72	1	0.82	0.82	ppb	3.38	3600	
107 Ag	115	1	0.27	0.27	ppb	1.13	3600	
111 Cd	115	1	0.30	0.30	ppb	20.79	3600	
118 Sn	115	1	5.05	5.05	ppb	2.46	3600	
121 Sb	115	1	14.94	14.94	ppb	1.26	3600	
137 Ba	115	1	10.19	10.19	ppb	1.92	3600	
205 Tl	165	1	0.22	0.22	ppb	23.27	3600	
208 Pb	165	1	8,201.00	8201.00	ppb	1.35	3600	>LDR
232 Th	165	1	2.65	2.65	ppb	1.78	1000	
238 U	165	1	0.33	0.33	ppb	3.03	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	461180	0.49	484171	95.3	30 - 120	
45 Sc	1	2491686	0.76	2592684	96.1	30 - 120	
72 Ge	1	1454984	0.56	1514481	96.1	30 - 120	
115 In	1	4594333	0.84	4892012	93.9	30 - 120	
165 Ho	1	8590901	0.98	8878112	96.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\182SDIL.D\182SDIL.D#
Date Acquired: Apr 11 2012 12:39 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-21-a SD@5
Misc Info: SERIAL DILUTION
Vial Number: 3303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG041012.B\181AREF.D\181AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.02	ppb	114.14	0.02	90.7	90 - 110	
51 V	72	1	4.29	ppb	1.49	4.38	97.9	90 - 110	
52 Cr	72	1	1.60	ppb	0.21	1.60	99.7	90 - 110	
55 Mn	72	1	30.91	ppb	0.27	30.96	99.8	90 - 110	
59 Co	72	1	0.43	ppb	2.53	0.43	100.5	90 - 110	
60 Ni	72	1	1.01	ppb	1.23	0.70	144.5	90 - 110	
63 Cu	72	1	53.45	ppb	1.22	52.08	102.6	90 - 110	
66 Zn	72	1	14.03	ppb	0.54	13.85	101.3	90 - 110	
75 As	72	1	1.83	ppb	2.29	1.82	100.5	90 - 110	
78 Se	72	1	-0.35	ppb	63.84	-0.01	5146.6	90 - 110	
95 Mo	72	1	0.15	ppb	5.36	0.16	93.5	90 - 110	
107 Ag	115	1	0.05	ppb	1.92	0.05	93.7	90 - 110	
111 Cd	115	1	0.05	ppb	23.28	0.06	84.2	90 - 110	
118 Sn	115	1	1.09	ppb	1.47	1.01	107.6	90 - 110	
121 Sb	115	1	2.90	ppb	0.56	2.99	97.0	90 - 110	
137 Ba	115	1	1.96	ppb	2.99	2.04	96.3	90 - 110	
205 Tl	165	1	0.03	ppb	6.36	0.04	71.5	90 - 110	
208 Pb	165	1	1623.00	ppb	1.15	1640.20	99.0	90 - 110	
232 Th	165	1	0.57	ppb	19.65	0.53	107.0	90 - 110	
238 U	165	1	0.06	ppb	2.79	0.07	94.9	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	466523	0.91	484171	96.4	30 - 120	
45 Sc	1	2486876	0.45	2592684	95.9	30 - 120	
72 Ge	1	1452861	0.85	1514481	95.9	30 - 120	
115 In	1	4630786	0.72	4892012	94.7	30 - 120	
165 Ho	1	8549355	0.88	8878112	96.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\183PDS.D\183PDS.D#
Date Acquired: Apr 11 2012 12:42 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-21-a PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 3304
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	192.10	0.12	ppb	1.33	200	96.0	75 - 125	
51 V	72	1	202.70	21.91	ppb	0.12	200	91.3	75 - 125	
52 Cr	72	1	191.50	8.00	ppb	0.79	200	92.1	75 - 125	
55 Mn	72	1	324.20	154.80	ppb	0.50	200	91.4	75 - 125	
59 Co	72	1	184.90	2.15	ppb	0.33	200	91.5	75 - 125	
60 Ni	72	1	195.60	3.48	ppb	0.54	200	96.1	75 - 125	
63 Cu	72	1	430.10	260.40	ppb	0.75	200	93.4	75 - 125	
66 Zn	72	1	251.50	69.26	ppb	0.74	200	93.4	75 - 125	
75 As	72	1	194.80	9.12	ppb	0.69	200	93.2	75 - 125	
78 Se	72	1	180.00	-0.03	ppb	1.02	200	90.0	75 - 125	
95 Mo	72	1	191.00	0.82	ppb	0.30	200	95.1	75 - 125	
107 Ag	115	1	48.34	0.27	ppb	0.06	50	96.2	75 - 125	
111 Cd	115	1	194.00	0.30	ppb	1.51	200	96.9	75 - 125	
118 Sn	115	1	192.80	5.05	ppb	2.25	200	94.0	75 - 125	
121 Sb	115	1	199.00	14.94	ppb	1.41	200	92.6	75 - 125	
137 Ba	115	1	205.10	10.19	ppb	0.90	200	97.6	75 - 125	
205 Tl	165	1	187.90	0.22	ppb	0.49	200	93.8	75 - 125	
208 Pb	165	1	8050.00	8201.00	ppb	0.47	200	95.8	75 - 125	
232 Th	165	1	2.50	2.65	ppb	0.44	200	1.2	75 - 125	
238 U	165	1	189.00	0.33	ppb	1.19	200	94.3	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	441518	0.55	484171	91.2	30 - 120	
45 Sc	1	2371374	0.68	2592684	91.5	30 - 120	
72 Ge	1	1381086	0.59	1514481	91.2	30 - 120	
115 In	1	4470391	0.91	4892012	91.4	30 - 120	
165 Ho	1	8417793	0.24	8878112	94.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\184_MS.D\184_MS.D#
Date Acquired: Apr 11 2012 12:45 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-21-b ms
Misc Info: MATRIX SPIKE
Vial Number: 3305
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	40.15	0.12	ppb	2.35	40	100.1	50 - 150	
51 V	72	1	53.33	21.91	ppb	1.51	40	86.1	50 - 150	
52 Cr	72	1	46.38	8.00	ppb	1.69	40	96.6	50 - 150	
55 Mn	72	1	169.90	154.80	ppb	0.32	40	87.2	50 - 150	
59 Co	72	1	42.60	2.15	ppb	0.92	40	101.1	50 - 150	
60 Ni	72	1	42.33	3.48	ppb	0.82	40	97.4	50 - 150	
63 Cu	72	1	330.40	260.40	ppb	1.33	40	110.0	50 - 150	
66 Zn	72	1	97.54	69.26	ppb	1.50	40	89.3	50 - 150	
75 As	72	1	53.33	9.12	ppb	0.27	40	108.6	50 - 150	
78 Se	72	1	36.90	-0.03	ppb	2.74	40	92.3	50 - 150	
95 Mo	72	1	37.49	0.82	ppb	0.61	40	91.8	50 - 150	
107 Ag	115	1	41.81	0.27	ppb	1.42	40	103.8	50 - 150	
111 Cd	115	1	39.95	0.30	ppb	0.73	40	99.1	50 - 150	
118 Sn	115	1	54.34	5.05	ppb	1.13	40	120.6	50 - 150	
121 Sb	115	1	124.20	14.94	ppb	0.86	40	226.1	50 - 150	
137 Ba	115	1	49.44	10.19	ppb	0.62	40	98.5	50 - 150	
205 Tl	165	1	40.64	0.22	ppb	0.71	40	101.0	50 - 150	
208 Pb	165	1	20910.00	8201.00	ppb	0.91	40	253.7	50 - 150	
232 Th	165	1	43.42	2.65	ppb	0.97	40	101.8	50 - 150	
238 U	165	1	42.13	0.33	ppb	1.19	40	104.5	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	422779	0.26	484171	87.3	30 - 120	
45 Sc	1	2231606	0.31	2592684	86.1	30 - 120	
72 Ge	1	1309522	0.81	1514481	86.5	30 - 120	
115 In	1	4243128	0.78	4892012	86.7	30 - 120	
165 Ho	1	8196913	1.06	8878112	92.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\185_MSD.D\185_MSD.D#
Date Acquired: Apr 11 2012 12:48 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-21-c msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3306
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG041012.B\184_MS.D\184_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	41.82	ppb	2.88	40.15	4.07	20	
51 V	72	1	83.02	ppb	4.13	53.33	43.55	20	
52 Cr	72	1	61.40	ppb	3.20	46.38	27.87	20	
55 Mn	72	1	471.60	ppb	2.30	169.90	94.06	20	
59 Co	72	1	44.15	ppb	1.55	42.60	3.57	20	
60 Ni	72	1	43.32	ppb	2.29	42.33	2.31	20	
63 Cu	72	1	227.80	ppb	1.17	330.40	36.76	20	
66 Zn	72	1	111.60	ppb	1.46	97.54	13.45	20	
75 As	72	1	64.90	ppb	1.67	53.33	19.57	20	
78 Se	72	1	33.44	ppb	5.45	36.90	9.84	20	
95 Mo	72	1	36.82	ppb	3.01	37.49	1.80	20	
107 Ag	115	1	42.59	ppb	1.96	41.81	1.85	20	
111 Cd	115	1	40.51	ppb	1.22	39.95	1.39	20	
118 Sn	115	1	93.06	ppb	0.86	54.34	52.54	20	
121 Sb	115	1	248.10	ppb	0.51	124.20	66.56	20	
137 Ba	115	1	51.69	ppb	1.31	49.44	4.45	20	
205 Tl	165	1	41.33	ppb	1.58	40.64	1.68	20	
208 Pb	165	1	38110.00	ppb	0.35	20910.00	58.29	20	
232 Th	165	1	47.77	ppb	1.04	43.42	9.54	20	
238 U	165	1	44.56	ppb	1.27	42.13	5.61	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	398624	0.56	484171	82.3	30 - 120	
45 Sc	1	2067591	1.23	2592684	79.7	30 - 120	
72 Ge	1	1236931	1.74	1514481	81.7	30 - 120	
115 In	1	3985028	1.07	4892012	81.5	30 - 120	
165 Ho	1	7935419	0.50	8878112	89.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\186SMPL.D\186SMPL.D#
Date Acquired: Apr 11 2012 12:50 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-22-a
Misc Info:
Vial Number: 3307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.26	0.26	ppb	17.01	3600	
51 V	72	1	24.26	24.26	ppb	1.20	3600	
52 Cr	72	1	9.42	9.42	ppb	1.16	3600	
55 Mn	72	1	89.85	89.85	ppb	1.04	18000	
59 Co	72	1	4.83	4.83	ppb	2.00	3600	
60 Ni	72	1	7.36	7.36	ppb	1.49	3600	
63 Cu	72	1	78.73	78.73	ppb	1.89	3600	
66 Zn	72	1	35.75	35.75	ppb	1.08	3600	
75 As	72	1	8.73	8.73	ppb	0.77	3600	
78 Se	72	1	0.31	0.31	ppb	49.31	3600	
95 Mo	72	1	1.20	1.20	ppb	2.08	3600	
107 Ag	115	1	0.12	0.12	ppb	7.01	3600	
111 Cd	115	1	0.30	0.30	ppb	4.76	3600	
118 Sn	115	1	0.82	0.82	ppb	2.22	3600	
121 Sb	115	1	2.85	2.85	ppb	0.29	3600	
137 Ba	115	1	15.61	15.61	ppb	0.67	3600	
205 Tl	165	1	0.14	0.14	ppb	5.74	3600	
208 Pb	165	1	1,671.00	1671.00	ppb	1.33	3600	
232 Th	165	1	3.53	3.53	ppb	2.67	1000	
238 U	165	1	0.37	0.37	ppb	2.39	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	444725	0.24	484171	91.9	30 - 120	
45 Sc	1	2369330	1.19	2592684	91.4	30 - 120	
72 Ge	1	1378486	1.24	1514481	91.0	30 - 120	
115 In	1	4436193	0.80	4892012	90.7	30 - 120	
165 Ho	1	8352155	0.98	8878112	94.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\187SMPL.D\187SMPL.D#
Date Acquired: Apr 11 2012 12:53 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-23-a
Misc Info:
Vial Number: 3308
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.15	0.15	ppb	18.65	3600	
51 V	72	1	10.58	10.58	ppb	7.30	3600	
52 Cr	72	1	10.28	10.28	ppb	1.67	3600	
55 Mn	72	1	380.10	380.10	ppb	1.07	18000	
59 Co	72	1	1.50	1.50	ppb	1.90	3600	
60 Ni	72	1	4.62	4.62	ppb	1.95	3600	
63 Cu	72	1	178.60	178.60	ppb	0.67	3600	
66 Zn	72	1	40.36	40.36	ppb	1.25	3600	
75 As	72	1	31.98	31.98	ppb	0.98	3600	
78 Se	72	1	0.13	0.13	ppb	293.27	3600	
95 Mo	72	1	0.56	0.56	ppb	4.32	3600	
107 Ag	115	1	7.86	7.86	ppb	0.73	3600	
111 Cd	115	1	0.68	0.68	ppb	2.16	3600	
118 Sn	115	1	223.60	223.60	ppb	0.70	3600	
121 Sb	115	1	1,495.00	1495.00	ppb	0.72	3600	
137 Ba	115	1	25.90	25.90	ppb	0.46	3600	
205 Tl	165	1	3.28	3.28	ppb	1.30	3600	
208 Pb	165	1	----	--------	ppb	--------	3600	>LDR
232 Th	165	1	1.61	1.61	ppb	1.34	1000	
238 U	165	1	0.24	0.24	ppb	2.70	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	289154	0.40	484171	59.7	30 - 120	
45 Sc	1	1449224	1.59	2592684	55.9	30 - 120	
72 Ge	1	875876	0.40	1514481	57.8	30 - 120	
115 In	1	3131380	0.21	4892012	64.0	30 - 120	
165 Ho	1	6692795	0.53	8878112	75.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\188_CCV.D\188_CCV.D#
Date Acquired: Apr 11 2012 12:56 am
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.56	ppb	1.05	50	101.1	90 - 110	
51 V	72	1	51.11	ppb	1.31	50	102.2	90 - 110	
52 Cr	72	1	51.38	ppb	1.59	50	102.8	90 - 110	
55 Mn	72	1	50.02	ppb	0.57	50	100.0	90 - 110	
59 Co	72	1	52.31	ppb	1.68	50	104.6	90 - 110	
60 Ni	72	1	51.14	ppb	1.26	50	102.3	90 - 110	
63 Cu	72	1	52.16	ppb	1.30	50	104.3	90 - 110	
66 Zn	72	1	50.59	ppb	1.46	50	101.2	90 - 110	
75 As	72	1	49.51	ppb	0.64	50	99.0	90 - 110	
78 Se	72	1	49.65	ppb	4.02	50	99.3	90 - 110	
95 Mo	72	1	50.43	ppb	1.73	50	100.9	90 - 110	
107 Ag	115	1	52.08	ppb	0.93	50	104.2	90 - 110	
111 Cd	115	1	50.20	ppb	1.16	50	100.4	90 - 110	
118 Sn	115	1	49.10	ppb	0.94	50	98.2	90 - 110	
121 Sb	115	1	48.77	ppb	1.24	50	97.5	90 - 110	
137 Ba	115	1	50.18	ppb	1.11	50	100.4	90 - 110	
205 Tl	165	1	51.93	ppb	1.42	50	103.9	90 - 110	
208 Pb	165	1	60.19	ppb	2.00	50	120.4	90 - 110	Fail
232 Th	165	1	52.56	ppb	2.15	50	105.1	90 - 110	
238 U	165	1	52.23	ppb	1.67	50	104.5	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	447585	1.21	484171	92.4	30 - 120	
45 Sc	1	2270753	1.17	2592684	87.6	30 - 120	
72 Ge	1	1353080	1.02	1514481	89.3	30 - 120	
115 In	1	4440100	1.38	4892012	90.8	30 - 120	
165 Ho	1	8256420	0.76	8878112	93.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\189_CCB.D\189_CCB.D#
Date Acquired: Apr 11 2012 12:59 am
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.011	ppb	145.61	1.00	
51 V	72	1	0.006	ppb	258.09	1.00	
52 Cr	72	1	0.001	ppb	483.93	1.00	
55 Mn	72	1	0.036	ppb	17.17	1.00	
59 Co	72	1	0.006	ppb	52.17	1.00	
60 Ni	72	1	0.016	ppb	48.34	1.00	
63 Cu	72	1	0.028	ppb	9.68	1.00	
66 Zn	72	1	0.049	ppb	21.32	1.00	
75 As	72	1	0.005	ppb	96.00	1.00	
78 Se	72	1	-0.397	ppb	14.82	1.00	
95 Mo	72	1	0.012	ppb	68.40	1.00	
107 Ag	115	1	0.007	ppb	25.33	1.00	
111 Cd	115	1	0.007	ppb	7.90	1.00	
118 Sn	115	1	0.060	ppb	13.17	1.00	
121 Sb	115	1	0.140	ppb	3.36	1.00	
137 Ba	115	1	0.000	ppb	152.28	1.00	
205 Tl	165	1	0.022	ppb	12.21	1.00	
208 Pb	165	1	3.492	ppb	6.33	1.00	Fail
232 Th	165	1	0.059	ppb	22.83	1.00	
238 U	165	1	0.006	ppb	10.55	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	445566	0.98	484171	92.0	30 - 120	
45 Sc	1	2335166	0.70	2592684	90.1	30 - 120	
72 Ge	1	1384145	0.70	1514481	91.4	30 - 120	
115 In	1	4468547	0.40	4892012	91.3	30 - 120	
165 Ho	1	8295888	0.35	8878112	93.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\190WASH.D\190WASH.D#
Date Acquired: Apr 11 2012 01:02 am
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.023 ppb	15.57	1.30	
51 V	72	1	5.200 ppb	1.12	6.50	
52 Cr	72	1	2.058 ppb	0.77	2.60	
55 Mn	72	1	1.158 ppb	0.93	1.30	
59 Co	72	1	1.059 ppb	3.07	1.30	
60 Ni	72	1	2.124 ppb	1.19	2.60	
63 Cu	72	1	2.180 ppb	1.64	2.60	
66 Zn	72	1	10.790 ppb	1.32	13.00	
75 As	72	1	5.132 ppb	0.89	6.50	
78 Se	72	1	4.101 ppb	7.31	6.50	
95 Mo	72	1	2.046 ppb	2.31	2.60	
107 Ag	115	1	5.160 ppb	1.85	6.50	
111 Cd	115	1	1.088 ppb	2.02	1.30	
118 Sn	115	1	10.230 ppb	1.04	13.00	
121 Sb	115	1	2.092 ppb	1.50	2.60	
137 Ba	115	1	1.071 ppb	2.16	1.30	
205 Tl	165	1	1.093 ppb	1.44	1.30	
208 Pb	165	1	3.216 ppb	2.28	1.30	
232 Th	165	1	2.133 ppb	2.89	2.60	
238 U	165	1	1.070 ppb	1.81	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	446453	1.24	484171	92.2	30 - 120	
45 Sc	1	2342524	1.48	2592684	90.4	30 - 120	
72 Ge	1	1390538	1.48	1514481	91.8	30 - 120	
115 In	1	4486756	0.56	4892012	91.7	30 - 120	
165 Ho	1	8313275	0.86	8878112	93.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\191SMPL.D\191SMPL.D#
Date Acquired: Apr 11 2012 01:05 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-24-a
Misc Info:
Vial Number: 3309
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.31	0.31	ppb	37.45	3600	
51 V	72	1	28.77	28.77	ppb	0.98	3600	
52 Cr	72	1	8.60	8.60	ppb	0.62	3600	
55 Mn	72	1	6,541.00	6541.00	ppb	1.00	18000	
59 Co	72	1	200.60	200.60	ppb	1.49	3600	
60 Ni	72	1	65.99	65.99	ppb	1.24	3600	
63 Cu	72	1	150.90	150.90	ppb	0.66	3600	
66 Zn	72	1	127.00	127.00	ppb	0.51	3600	
75 As	72	1	8.33	8.33	ppb	1.25	3600	
78 Se	72	1	1.21	1.21	ppb	41.80	3600	
95 Mo	72	1	2.04	2.04	ppb	1.69	3600	
107 Ag	115	1	0.07	0.07	ppb	9.24	3600	
111 Cd	115	1	0.61	0.61	ppb	1.33	3600	
118 Sn	115	1	0.57	0.57	ppb	2.71	3600	
121 Sb	115	1	3.20	3.20	ppb	0.82	3600	
137 Ba	115	1	135.90	135.90	ppb	0.43	3600	
205 Tl	165	1	0.96	0.96	ppb	0.51	3600	
208 Pb	165	1	2,645.00	2645.00	ppb	0.89	3600	
232 Th	165	1	3.20	3.20	ppb	0.88	1000	
238 U	165	1	0.49	0.49	ppb	1.23	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	438791	0.58	484171	90.6	30 - 120	
45 Sc	1	2387826	0.43	2592684	92.1	30 - 120	
72 Ge	1	1347317	0.40	1514481	89.0	30 - 120	
115 In	1	4351175	0.52	4892012	88.9	30 - 120	
165 Ho	1	8169108	0.65	8878112	92.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\192SMPL.D\192SMPL.D#
Date Acquired: Apr 11 2012 01:08 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-25-a
Misc Info:
Vial Number: 3310
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.13	0.13	ppb	34.70	3600	
51 V	72	1	19.13	19.13	ppb	0.60	3600	
52 Cr	72	1	7.48	7.48	ppb	0.59	3600	
55 Mn	72	1	167.30	167.30	ppb	2.04	18000	
59 Co	72	1	2.33	2.33	ppb	0.96	3600	
60 Ni	72	1	4.14	4.14	ppb	2.14	3600	
63 Cu	72	1	302.20	302.20	ppb	1.02	3600	
66 Zn	72	1	58.40	58.40	ppb	1.04	3600	
75 As	72	1	8.14	8.14	ppb	0.56	3600	
78 Se	72	1	-0.04	-0.04	ppb	332.81	3600	
95 Mo	72	1	0.83	0.83	ppb	3.72	3600	
107 Ag	115	1	0.07	0.07	ppb	8.46	3600	
111 Cd	115	1	0.23	0.23	ppb	8.74	3600	
118 Sn	115	1	1.61	1.61	ppb	0.76	3600	
121 Sb	115	1	2.80	2.80	ppb	0.58	3600	
137 Ba	115	1	9.58	9.58	ppb	0.30	3600	
205 Tl	165	1	0.08	0.08	ppb	4.13	3600	
208 Pb	165	1	2,525.00	2525.00	ppb	0.76	3600	
232 Th	165	1	2.65	2.65	ppb	1.29	1000	
238 U	165	1	0.28	0.28	ppb	6.35	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	436923	0.75	484171	90.2	30 - 120	
45 Sc	1	2339721	0.96	2592684	90.2	30 - 120	
72 Ge	1	1362118	0.36	1514481	89.9	30 - 120	
115 In	1	4405277	1.04	4892012	90.1	30 - 120	
165 Ho	1	8202716	0.78	8878112	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\193SMPL.D\193SMPL.D#
Date Acquired: Apr 11 2012 01:11 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-26-a
Misc Info:
Vial Number: 3311
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.28	0.28	ppb	19.99	3600	
51 V	72	1	23.66	23.66	ppb	0.53	3600	
52 Cr	72	1	10.07	10.07	ppb	0.98	3600	
55 Mn	72	1	588.30	588.30	ppb	1.16	18000	
59 Co	72	1	24.67	24.67	ppb	0.69	3600	
60 Ni	72	1	9.59	9.59	ppb	2.05	3600	
63 Cu	72	1	87.24	87.24	ppb	0.34	3600	
66 Zn	72	1	39.94	39.94	ppb	0.91	3600	
75 As	72	1	12.62	12.62	ppb	1.25	3600	
78 Se	72	1	0.14	0.14	ppb	85.32	3600	
95 Mo	72	1	1.12	1.12	ppb	5.66	3600	
107 Ag	115	1	0.18	0.18	ppb	3.74	3600	
111 Cd	115	1	0.29	0.29	ppb	9.21	3600	
118 Sn	115	1	2.44	2.44	ppb	1.27	3600	
121 Sb	115	1	6.88	6.88	ppb	0.91	3600	
137 Ba	115	1	14.87	14.87	ppb	1.70	3600	
205 Tl	165	1	0.12	0.12	ppb	2.03	3600	
208 Pb	165	1	4,045.00	4045.00	ppb	0.40	3600	>LDR
232 Th	165	1	3.27	3.27	ppb	0.73	1000	
238 U	165	1	0.38	0.38	ppb	1.67	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	430014	0.42	484171	88.8	30 - 120	
45 Sc	1	2316646	0.64	2592684	89.4	30 - 120	
72 Ge	1	1343255	0.40	1514481	88.7	30 - 120	
115 In	1	4301663	0.61	4892012	87.9	30 - 120	
165 Ho	1	8151898	0.36	8878112	91.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\194SMPL.D\194SMPL.D#
Date Acquired: Apr 11 2012 01:13 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-27-a
Misc Info:
Vial Number: 3312
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.18	0.18	ppb	33.76	3600	
51 V	72	1	16.05	16.05	ppb	0.28	3600	
52 Cr	72	1	8.27	8.27	ppb	0.86	3600	
55 Mn	72	1	64.68	64.68	ppb	1.90	18000	
59 Co	72	1	1.92	1.92	ppb	2.45	3600	
60 Ni	72	1	3.37	3.37	ppb	1.64	3600	
63 Cu	72	1	58.32	58.32	ppb	1.03	3600	
66 Zn	72	1	21.31	21.31	ppb	0.76	3600	
75 As	72	1	8.07	8.07	ppb	0.72	3600	
78 Se	72	1	-0.19	-0.19	ppb	68.93	3600	
95 Mo	72	1	0.49	0.49	ppb	6.97	3600	
107 Ag	115	1	0.85	0.85	ppb	4.36	3600	
111 Cd	115	1	0.19	0.19	ppb	2.64	3600	
118 Sn	115	1	23.63	23.63	ppb	0.74	3600	
121 Sb	115	1	66.07	66.07	ppb	0.39	3600	
137 Ba	115	1	6.74	6.74	ppb	1.39	3600	
205 Tl	165	1	0.10	0.10	ppb	2.69	3600	
208 Pb	165	1	13,200.00	13200.00	ppb	0.93	3600	>LDR
232 Th	165	1	2.37	2.37	ppb	1.05	1000	
238 U	165	1	0.23	0.23	ppb	1.04	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	419695	0.59	484171	86.7	30 - 120	
45 Sc	1	2233503	0.60	2592684	86.1	30 - 120	
72 Ge	1	1290669	0.75	1514481	85.2	30 - 120	
115 In	1	4217816	0.64	4892012	86.2	30 - 120	
165 Ho	1	8034481	0.74	8878112	90.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\195SMPL.D\195SMPL.D#
Date Acquired: Apr 11 2012 01:16 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-28-a
Misc Info:
Vial Number: 3401
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.15	0.15	ppb	30.24	3600	
51 V	72	1	19.44	19.44	ppb	1.18	3600	
52 Cr	72	1	12.08	12.08	ppb	2.92	3600	
55 Mn	72	1	188.20	188.20	ppb	1.89	18000	
59 Co	72	1	4.27	4.27	ppb	1.48	3600	
60 Ni	72	1	5.16	5.16	ppb	0.37	3600	
63 Cu	72	1	186.20	186.20	ppb	1.01	3600	
66 Zn	72	1	49.23	49.23	ppb	0.66	3600	
75 As	72	1	8.35	8.35	ppb	0.62	3600	
78 Se	72	1	-0.04	-0.04	ppb	376.18	3600	
95 Mo	72	1	0.85	0.85	ppb	2.45	3600	
107 Ag	115	1	0.16	0.16	ppb	5.88	3600	
111 Cd	115	1	0.24	0.24	ppb	1.71	3600	
118 Sn	115	1	3.64	3.64	ppb	1.23	3600	
121 Sb	115	1	11.52	11.52	ppb	1.09	3600	
137 Ba	115	1	11.65	11.65	ppb	2.61	3600	
205 Tl	165	1	0.10	0.10	ppb	2.85	3600	
208 Pb	165	1	6,566.00	6566.00	ppb	1.13	3600	>LDR
232 Th	165	1	2.47	2.47	ppb	2.11	1000	
238 U	165	1	0.35	0.35	ppb	0.90	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	428908	0.17	484171	88.6	30 - 120	
45 Sc	1	2263663	0.57	2592684	87.3	30 - 120	
72 Ge	1	1327114	0.68	1514481	87.6	30 - 120	
115 In	1	4281050	0.88	4892012	87.5	30 - 120	
165 Ho	1	8125012	0.60	8878112	91.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\196SMPL.D\196SMPL.D#
Date Acquired: Apr 11 2012 01:19 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-29-a
Misc Info:
Vial Number: 3402
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.18	0.18	ppb	29.26	3600	
51 V	72	1	22.33	22.33	ppb	0.69	3600	
52 Cr	72	1	15.03	15.03	ppb	0.77	3600	
55 Mn	72	1	355.60	355.60	ppb	1.65	18000	
59 Co	72	1	3.03	3.03	ppb	0.84	3600	
60 Ni	72	1	6.21	6.21	ppb	2.65	3600	
63 Cu	72	1	80.66	80.66	ppb	1.73	3600	
66 Zn	72	1	59.06	59.06	ppb	1.15	3600	
75 As	72	1	7.13	7.13	ppb	1.49	3600	
78 Se	72	1	0.24	0.24	ppb	69.08	3600	
95 Mo	72	1	1.07	1.07	ppb	1.32	3600	
107 Ag	115	1	0.10	0.10	ppb	1.08	3600	
111 Cd	115	1	0.57	0.57	ppb	2.18	3600	
118 Sn	115	1	1.09	1.09	ppb	7.80	3600	
121 Sb	115	1	4.28	4.28	ppb	1.83	3600	
137 Ba	115	1	25.93	25.93	ppb	0.95	3600	
205 Tl	165	1	0.10	0.10	ppb	3.25	3600	
208 Pb	165	1	2,000.00	2000.00	ppb	0.57	3600	
232 Th	165	1	3.05	3.05	ppb	1.71	1000	
238 U	165	1	0.46	0.46	ppb	8.24	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	424624	0.26	484171	87.7	30 - 120	
45 Sc	1	2306113	1.45	2592684	88.9	30 - 120	
72 Ge	1	1336901	1.31	1514481	88.3	30 - 120	
115 In	1	4331019	0.97	4892012	88.5	30 - 120	
165 Ho	1	8069105	0.42	8878112	90.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\197SMPL.D\197SMPL.D#
Date Acquired: Apr 11 2012 01:22 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-30-a
Misc Info:
Vial Number: 3403
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.10	ppb	9.31	3600	
51 V	72	1	15.04	15.04	ppb	2.14	3600	
52 Cr	72	1	6.07	6.07	ppb	2.54	3600	
55 Mn	72	1	89.77	89.77	ppb	0.76	18000	
59 Co	72	1	1.77	1.77	ppb	1.36	3600	
60 Ni	72	1	3.72	3.72	ppb	1.10	3600	
63 Cu	72	1	76.23	76.23	ppb	1.04	3600	
66 Zn	72	1	25.89	25.89	ppb	0.47	3600	
75 As	72	1	4.97	4.97	ppb	1.50	3600	
78 Se	72	1	0.09	0.09	ppb	244.70	3600	
95 Mo	72	1	0.53	0.53	ppb	4.68	3600	
107 Ag	115	1	0.08	0.08	ppb	4.84	3600	
111 Cd	115	1	0.15	0.15	ppb	17.07	3600	
118 Sn	115	1	1.12	1.12	ppb	1.63	3600	
121 Sb	115	1	6.44	6.44	ppb	1.14	3600	
137 Ba	115	1	9.77	9.77	ppb	0.52	3600	
205 Tl	165	1	0.06	0.06	ppb	0.30	3600	
208 Pb	165	1	2,845.00	2845.00	ppb	0.56	3600	
232 Th	165	1	2.49	2.49	ppb	1.66	1000	
238 U	165	1	0.26	0.26	ppb	2.16	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	426450	0.76	484171	88.1	30 - 120	
45 Sc	1	2323876	0.69	2592684	89.6	30 - 120	
72 Ge	1	1347752	0.85	1514481	89.0	30 - 120	
115 In	1	4334529	0.43	4892012	88.6	30 - 120	
165 Ho	1	8109383	0.68	8878112	91.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\198SMPL.D\198SMPL.D#
Date Acquired: Apr 11 2012 01:25 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-31-a
Misc Info:
Vial Number: 3404
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.13	0.13	ppb	68.83	3600	
51 V	72	1	16.49	16.49	ppb	1.46	3600	
52 Cr	72	1	6.94	6.94	ppb	1.96	3600	
55 Mn	72	1	172.20	172.20	ppb	1.59	18000	
59 Co	72	1	2.51	2.51	ppb	1.03	3600	
60 Ni	72	1	4.24	4.24	ppb	2.18	3600	
63 Cu	72	1	45.70	45.70	ppb	0.53	3600	
66 Zn	72	1	34.24	34.24	ppb	0.36	3600	
75 As	72	1	5.98	5.98	ppb	0.55	3600	
78 Se	72	1	0.06	0.06	ppb	258.95	3600	
95 Mo	72	1	0.66	0.66	ppb	1.04	3600	
107 Ag	115	1	0.05	0.05	ppb	3.14	3600	
111 Cd	115	1	0.29	0.29	ppb	11.52	3600	
118 Sn	115	1	0.95	0.95	ppb	1.87	3600	
121 Sb	115	1	1.76	1.76	ppb	1.52	3600	
137 Ba	115	1	13.56	13.56	ppb	1.37	3600	
205 Tl	165	1	0.07	0.07	ppb	5.63	3600	
208 Pb	165	1	1,252.00	1252.00	ppb	0.35	3600	
232 Th	165	1	2.44	2.44	ppb	0.83	1000	
238 U	165	1	0.26	0.26	ppb	2.74	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	429921	0.61	484171	88.8	30 - 120	
45 Sc	1	2330234	0.53	2592684	89.9	30 - 120	
72 Ge	1	1345852	0.40	1514481	88.9	30 - 120	
115 In	1	4370640	0.61	4892012	89.3	30 - 120	
165 Ho	1	8203751	0.62	8878112	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\199SMPL.D\199SMPL.D#
Date Acquired: Apr 11 2012 01:28 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-32-a
Misc Info:
Vial Number: 3405
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.17	0.17	ppb	33.84	3600	
51 V	72	1	13.49	13.49	ppb	1.18	3600	
52 Cr	72	1	6.16	6.16	ppb	0.78	3600	
55 Mn	72	1	152.80	152.80	ppb	1.69	18000	
59 Co	72	1	2.18	2.18	ppb	0.90	3600	
60 Ni	72	1	3.88	3.88	ppb	0.20	3600	
63 Cu	72	1	367.30	367.30	ppb	0.54	3600	
66 Zn	72	1	80.53	80.53	ppb	0.49	3600	
75 As	72	1	263.50	263.50	ppb	1.61	3600	
78 Se	72	1	-0.08	-0.08	ppb	247.63	3600	
95 Mo	72	1	0.58	0.58	ppb	5.72	3600	
107 Ag	115	1	6.21	6.21	ppb	0.61	3600	
111 Cd	115	1	0.20	0.20	ppb	4.50	3600	
118 Sn	115	1	7.01	7.01	ppb	3.63	3600	
121 Sb	115	1	948.90	948.90	ppb	1.82	3600	
137 Ba	115	1	10.99	10.99	ppb	2.10	3600	
205 Tl	165	1	0.49	0.49	ppb	2.63	3600	
208 Pb	165	1	----	--------	ppb	--------	3600	>LDR
232 Th	165	1	2.44	2.44	ppb	0.77	1000	
238 U	165	1	0.31	0.31	ppb	1.93	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	283979	2.07	484171	58.7	30 - 120	
45 Sc	1	1429351	0.80	2592684	55.1	30 - 120	
72 Ge	1	871219	1.04	1514481	57.5	30 - 120	
115 In	1	3093471	1.22	4892012	63.2	30 - 120	
165 Ho	1	6606481	0.28	8878112	74.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\200_CCV.D\200_CCV.D#
Date Acquired: Apr 11 2012 01:31 am
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.01	ppb	1.19	50	102.0	90 - 110	
51 V	72	1	51.88	ppb	0.27	50	103.8	90 - 110	
52 Cr	72	1	51.36	ppb	0.22	50	102.7	90 - 110	
55 Mn	72	1	49.97	ppb	0.79	50	99.9	90 - 110	
59 Co	72	1	52.22	ppb	0.34	50	104.4	90 - 110	
60 Ni	72	1	50.51	ppb	0.97	50	101.0	90 - 110	
63 Cu	72	1	51.87	ppb	1.48	50	103.7	90 - 110	
66 Zn	72	1	50.02	ppb	0.48	50	100.0	90 - 110	
75 As	72	1	49.68	ppb	0.33	50	99.4	90 - 110	
78 Se	72	1	49.85	ppb	4.32	50	99.7	90 - 110	
95 Mo	72	1	50.31	ppb	0.33	50	100.6	90 - 110	
107 Ag	115	1	52.81	ppb	0.95	50	105.6	90 - 110	
111 Cd	115	1	51.13	ppb	0.71	50	102.3	90 - 110	
118 Sn	115	1	50.21	ppb	0.45	50	100.4	90 - 110	
121 Sb	115	1	51.06	ppb	1.08	50	102.1	90 - 110	
137 Ba	115	1	51.25	ppb	0.50	50	102.5	90 - 110	
205 Tl	165	1	52.38	ppb	0.43	50	104.8	90 - 110	
208 Pb	165	1	62.18	ppb	1.69	50	124.4	90 - 110	Fail
232 Th	165	1	52.97	ppb	2.45	50	105.9	90 - 110	
238 U	165	1	53.59	ppb	0.68	50	107.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	432252	0.64	484171	89.3	30 - 120	
45 Sc	1	2196443	1.43	2592684	84.7	30 - 120	
72 Ge	1	1317597	0.75	1514481	87.0	30 - 120	
115 In	1	4236213	0.89	4892012	86.6	30 - 120	
165 Ho	1	7997530	0.73	8878112	90.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\201_CCB.D\201_CCB.D#
Date Acquired: Apr 11 2012 01:34 am
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.006	ppb	157.58	1.00	
51 V	72	1	-0.004	ppb	139.44	1.00	
52 Cr	72	1	-0.001	ppb	773.59	1.00	
55 Mn	72	1	0.026	ppb	11.32	1.00	
59 Co	72	1	0.004	ppb	44.82	1.00	
60 Ni	72	1	0.018	ppb	26.28	1.00	
63 Cu	72	1	0.017	ppb	38.00	1.00	
66 Zn	72	1	0.075	ppb	24.29	1.00	
75 As	72	1	0.007	ppb	81.21	1.00	
78 Se	72	1	-0.365	ppb	69.20	1.00	
95 Mo	72	1	-0.022	ppb	34.75	1.00	
107 Ag	115	1	0.008	ppb	27.12	1.00	
111 Cd	115	1	-0.001	ppb	965.07	1.00	
118 Sn	115	1	0.020	ppb	39.61	1.00	
121 Sb	115	1	0.501	ppb	0.96	1.00	
137 Ba	115	1	0.003	ppb	235.95	1.00	
205 Tl	165	1	0.016	ppb	19.82	1.00	
208 Pb	165	1	2.906	ppb	4.55	1.00	Fail
232 Th	165	1	0.054	ppb	10.17	1.00	
238 U	165	1	0.005	ppb	19.61	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	430561	0.70	484171	88.9	30 - 120	
45 Sc	1	2245417	0.52	2592684	86.6	30 - 120	
72 Ge	1	1322098	1.88	1514481	87.3	30 - 120	
115 In	1	4332522	0.74	4892012	88.6	30 - 120	
165 Ho	1	8047821	0.37	8878112	90.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\202WASH.D\202WASH.D#
Date Acquired: Apr 11 2012 01:37 am
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.076 ppb	13.99	1.30	
51 V	72	1	5.294 ppb	1.61	6.50	
52 Cr	72	1	2.099 ppb	1.59	2.60	
55 Mn	72	1	1.152 ppb	1.72	1.30	
59 Co	72	1	1.057 ppb	2.45	1.30	
60 Ni	72	1	2.145 ppb	0.40	2.60	
63 Cu	72	1	2.191 ppb	0.84	2.60	
66 Zn	72	1	10.870 ppb	0.17	13.00	
75 As	72	1	5.158 ppb	0.39	6.50	
78 Se	72	1	4.809 ppb	9.52	6.50	
95 Mo	72	1	2.049 ppb	2.15	2.60	
107 Ag	115	1	5.229 ppb	1.46	6.50	
111 Cd	115	1	1.079 ppb	1.17	1.30	
118 Sn	115	1	10.220 ppb	0.82	13.00	
121 Sb	115	1	2.269 ppb	0.72	2.60	
137 Ba	115	1	1.091 ppb	2.81	1.30	
205 Tl	165	1	1.084 ppb	0.15	1.30	
208 Pb	165	1	3.138 ppb	1.64	1.30	
232 Th	165	1	2.137 ppb	2.19	2.60	
238 U	165	1	1.069 ppb	1.52	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	433101	0.49	484171	89.5	30 - 120	
45 Sc	1	2268613	0.29	2592684	87.5	30 - 120	
72 Ge	1	1331551	0.65	1514481	87.9	30 - 120	
115 In	1	4340204	0.29	4892012	88.7	30 - 120	
165 Ho	1	8098906	0.57	8878112	91.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\203SMPL.D\203SMPL.D#
Date Acquired: Apr 11 2012 01:39 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-33-a
Misc Info:
Vial Number: 3406
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.37	0.37	ppb	24.93	3600	
51 V	72	1	23.84	23.84	ppb	1.19	3600	
52 Cr	72	1	12.54	12.54	ppb	1.52	3600	
55 Mn	72	1	215.50	215.50	ppb	1.01	18000	
59 Co	72	1	4.67	4.67	ppb	1.43	3600	
60 Ni	72	1	9.80	9.80	ppb	0.90	3600	
63 Cu	72	1	196.30	196.30	ppb	1.56	3600	
66 Zn	72	1	101.00	101.00	ppb	0.26	3600	
75 As	72	1	13.07	13.07	ppb	1.00	3600	
78 Se	72	1	0.20	0.20	ppb	176.32	3600	
95 Mo	72	1	0.91	0.91	ppb	4.59	3600	
107 Ag	115	1	0.31	0.31	ppb	4.32	3600	
111 Cd	115	1	0.34	0.34	ppb	12.70	3600	
118 Sn	115	1	5.45	5.45	ppb	0.42	3600	
121 Sb	115	1	19.81	19.81	ppb	0.07	3600	
137 Ba	115	1	12.14	12.14	ppb	0.51	3600	
205 Tl	165	1	0.15	0.15	ppb	1.17	3600	
208 Pb	165	1	9,606.00	9606.00	ppb	0.11	3600	>LDR
232 Th	165	1	2.85	2.85	ppb	2.16	1000	
238 U	165	1	0.62	0.62	ppb	0.80	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	411709	0.72	484171	85.0	30 - 120	
45 Sc	1	2252288	0.33	2592684	86.9	30 - 120	
72 Ge	1	1265328	0.53	1514481	83.5	30 - 120	
115 In	1	4119725	0.29	4892012	84.2	30 - 120	
165 Ho	1	7920232	0.31	8878112	89.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\204SMPL.D\204SMPL.D#
Date Acquired: Apr 11 2012 01:42 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-34-a
Misc Info:
Vial Number: 3407
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.22	0.22	ppb	15.14	3600	
51 V	72	1	24.70	24.70	ppb	1.41	3600	
52 Cr	72	1	10.62	10.62	ppb	1.50	3600	
55 Mn	72	1	197.50	197.50	ppb	1.49	18000	
59 Co	72	1	5.36	5.36	ppb	1.68	3600	
60 Ni	72	1	7.45	7.45	ppb	2.13	3600	
63 Cu	72	1	388.30	388.30	ppb	1.25	3600	
66 Zn	72	1	104.00	104.00	ppb	0.91	3600	
75 As	72	1	16.93	16.93	ppb	1.57	3600	
78 Se	72	1	0.23	0.23	ppb	74.53	3600	
95 Mo	72	1	0.86	0.86	ppb	5.53	3600	
107 Ag	115	1	0.74	0.74	ppb	3.37	3600	
111 Cd	115	1	0.26	0.26	ppb	4.30	3600	
118 Sn	115	1	8.07	8.07	ppb	1.91	3600	
121 Sb	115	1	47.29	47.29	ppb	0.85	3600	
137 Ba	115	1	12.86	12.86	ppb	0.50	3600	
205 Tl	165	1	0.20	0.20	ppb	1.90	3600	
208 Pb	165	1	23,070.00	23070.00	ppb	1.24	3600	>LDR
232 Th	165	1	3.25	3.25	ppb	1.11	1000	
238 U	165	1	0.47	0.47	ppb	2.37	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	396755	0.37	484171	81.9	30 - 120	
45 Sc	1	2087401	0.91	2592684	80.5	30 - 120	
72 Ge	1	1217064	0.94	1514481	80.4	30 - 120	
115 In	1	3971064	0.46	4892012	81.2	30 - 120	
165 Ho	1	7759121	0.79	8878112	87.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\205SMPL.D\205SMPL.D#
Date Acquired: Apr 11 2012 01:45 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-35-a
Misc Info:
Vial Number: 3408
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.25	0.25	ppb	37.78	3600	
51 V	72	1	22.07	22.07	ppb	2.23	3600	
52 Cr	72	1	14.34	14.34	ppb	1.95	3600	
55 Mn	72	1	202.00	202.00	ppb	1.82	18000	
59 Co	72	1	3.59	3.59	ppb	1.56	3600	
60 Ni	72	1	5.77	5.77	ppb	2.06	3600	
63 Cu	72	1	257.80	257.80	ppb	1.37	3600	
66 Zn	72	1	61.44	61.44	ppb	1.22	3600	
75 As	72	1	11.62	11.62	ppb	2.65	3600	
78 Se	72	1	-0.09	-0.09	ppb	238.36	3600	
95 Mo	72	1	1.11	1.11	ppb	2.68	3600	
107 Ag	115	1	0.39	0.39	ppb	1.86	3600	
111 Cd	115	1	0.42	0.42	ppb	0.24	3600	
118 Sn	115	1	5.16	5.16	ppb	2.08	3600	
121 Sb	115	1	21.74	21.74	ppb	0.66	3600	
137 Ba	115	1	19.93	19.93	ppb	0.11	3600	
205 Tl	165	1	0.15	0.15	ppb	2.34	3600	
208 Pb	165	1	11,970.00	11970.00	ppb	0.91	3600	>LDR
232 Th	165	1	3.17	3.17	ppb	1.50	1000	
238 U	165	1	0.39	0.39	ppb	1.75	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	406081	0.21	484171	83.9	30 - 120	
45 Sc	1	2117477	1.16	2592684	81.7	30 - 120	
72 Ge	1	1245270	1.30	1514481	82.2	30 - 120	
115 In	1	4103926	0.54	4892012	83.9	30 - 120	
165 Ho	1	7825163	1.02	8878112	88.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\206SMPL.D\206SMPL.D#
Date Acquired: Apr 11 2012 01:48 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-36-a
Misc Info:
Vial Number: 3409
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.47	0.47	ppb	15.42	3600	
51 V	72	1	17.55	17.55	ppb	0.76	3600	
52 Cr	72	1	12.96	12.96	ppb	0.44	3600	
55 Mn	72	1	106.60	106.60	ppb	0.90	18000	
59 Co	72	1	2.90	2.90	ppb	0.69	3600	
60 Ni	72	1	5.16	5.16	ppb	0.67	3600	
63 Cu	72	1	129.10	129.10	ppb	1.20	3600	
66 Zn	72	1	44.93	44.93	ppb	0.31	3600	
75 As	72	1	14.58	14.58	ppb	0.16	3600	
78 Se	72	1	0.08	0.08	ppb	191.91	3600	
95 Mo	72	1	0.91	0.91	ppb	2.83	3600	
107 Ag	115	1	0.69	0.69	ppb	1.20	3600	
111 Cd	115	1	0.41	0.41	ppb	9.04	3600	
118 Sn	115	1	22.53	22.53	ppb	0.79	3600	
121 Sb	115	1	57.19	57.19	ppb	0.35	3600	
137 Ba	115	1	84.95	84.95	ppb	0.55	3600	
205 Tl	165	1	0.13	0.13	ppb	0.51	3600	
208 Pb	165	1	14,520.00	14520.00	ppb	0.61	3600	>LDR
232 Th	165	1	3.66	3.66	ppb	2.60	1000	
238 U	165	1	0.42	0.42	ppb	0.55	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	400527	0.22	484171	82.7	30 - 120	
45 Sc	1	2099548	1.23	2592684	81.0	30 - 120	
72 Ge	1	1229450	0.35	1514481	81.2	30 - 120	
115 In	1	4049491	0.55	4892012	82.8	30 - 120	
165 Ho	1	7791976	0.64	8878112	87.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\207SMPL.D\207SMPL.D#
Date Acquired: Apr 11 2012 01:51 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-37-a
Misc Info:
Vial Number: 3410
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.13	0.13	ppb	40.83	3600	
51 V	72	1	29.28	29.28	ppb	0.85	3600	
52 Cr	72	1	17.63	17.63	ppb	0.14	3600	
55 Mn	72	1	156.80	156.80	ppb	0.89	18000	
59 Co	72	1	2.69	2.69	ppb	0.44	3600	
60 Ni	72	1	4.93	4.93	ppb	2.79	3600	
63 Cu	72	1	102,100.00	102100.00	ppb	0.36	3600	>LDR
66 Zn	72	1	11,160.00	11160.00	ppb	1.14	3600	>LDR
75 As	72	1	15.22	15.22	ppb	1.35	3600	
78 Se	72	1	0.31	0.31	ppb	57.39	3600	
95 Mo	72	1	1.14	1.14	ppb	4.31	3600	
107 Ag	115	1	1.93	1.93	ppb	2.27	3600	
111 Cd	115	1	0.34	0.34	ppb	7.62	3600	
118 Sn	115	1	6.79	6.79	ppb	0.78	3600	
121 Sb	115	1	26.49	26.49	ppb	0.05	3600	
137 Ba	115	1	13.50	13.50	ppb	1.16	3600	
205 Tl	165	1	0.14	0.14	ppb	2.60	3600	
208 Pb	165	1	9,596.00	9596.00	ppb	0.59	3600	>LDR
232 Th	165	1	3.36	3.36	ppb	1.37	1000	
238 U	165	1	0.38	0.38	ppb	3.51	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	405014	0.60	484171	83.7	30 - 120	
45 Sc	1	2072086	0.81	2592684	79.9	30 - 120	
72 Ge	1	1207845	0.80	1514481	79.8	30 - 120	
115 In	1	3967351	1.42	4892012	81.1	30 - 120	
165 Ho	1	7689230	0.46	8878112	86.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

3 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\208SMPL.D\208SMPL.D#
Date Acquired: Apr 11 2012 01:54 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-38-a
Misc Info:
Vial Number: 3411
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.36	0.36	ppb	24.00	3600	
51 V	72	1	44.68	44.68	ppb	1.20	3600	
52 Cr	72	1	27.14	27.14	ppb	0.35	3600	
55 Mn	72	1	450.00	450.00	ppb	1.13	18000	
59 Co	72	1	6.20	6.20	ppb	1.00	3600	
60 Ni	72	1	8.53	8.53	ppb	1.58	3600	
63 Cu	72	1	223.90	223.90	ppb	0.81	3600	
66 Zn	72	1	69.64	69.64	ppb	0.79	3600	
75 As	72	1	21.32	21.32	ppb	2.25	3600	
78 Se	72	1	0.32	0.32	ppb	64.69	3600	
95 Mo	72	1	1.89	1.89	ppb	2.98	3600	
107 Ag	115	1	1.66	1.66	ppb	0.86	3600	
111 Cd	115	1	0.42	0.42	ppb	11.16	3600	
118 Sn	115	1	3.51	3.51	ppb	1.29	3600	
121 Sb	115	1	70.62	70.62	ppb	0.26	3600	
137 Ba	115	1	33.76	33.76	ppb	0.50	3600	
205 Tl	165	1	0.40	0.40	ppb	0.43	3600	
208 Pb	165	1	65,040.00	65040.00	ppb	0.66	3600	>LDR
232 Th	165	1	5.22	5.22	ppb	0.90	1000	
238 U	165	1	0.64	0.64	ppb	1.52	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	349335	0.51	484171	72.2	30 - 120	
45 Sc	1	1799809	1.42	2592684	69.4	30 - 120	
72 Ge	1	1056037	1.02	1514481	69.7	30 - 120	
115 In	1	3593051	0.44	4892012	73.4	30 - 120	
165 Ho	1	7282694	0.31	8878112	82.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\209SMPL.D\209SMPL.D#
Date Acquired: Apr 11 2012 01:57 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-39-a
Misc Info:
Vial Number: 3412
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.50	0.50	ppb	10.96	3600	
51 V	72	1	20.77	20.77	ppb	1.31	3600	
52 Cr	72	1	12.49	12.49	ppb	1.67	3600	
55 Mn	72	1	122.30	122.30	ppb	1.67	18000	
59 Co	72	1	3.02	3.02	ppb	1.70	3600	
60 Ni	72	1	6.90	6.90	ppb	0.95	3600	
63 Cu	72	1	141.40	141.40	ppb	0.66	3600	
66 Zn	72	1	48.45	48.45	ppb	0.74	3600	
75 As	72	1	8.84	8.84	ppb	1.81	3600	
78 Se	72	1	0.20	0.20	ppb	84.53	3600	
95 Mo	72	1	0.93	0.93	ppb	3.43	3600	
107 Ag	115	1	0.18	0.18	ppb	4.16	3600	
111 Cd	115	1	0.35	0.35	ppb	9.07	3600	
118 Sn	115	1	2.45	2.45	ppb	0.88	3600	
121 Sb	115	1	5.86	5.86	ppb	1.96	3600	
137 Ba	115	1	19.69	19.69	ppb	0.64	3600	
205 Tl	165	1	0.13	0.13	ppb	0.58	3600	
208 Pb	165	1	3,453.00	3453.00	ppb	0.79	3600	
232 Th	165	1	2.70	2.70	ppb	2.12	1000	
238 U	165	1	0.46	0.46	ppb	1.69	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	417351	0.27	484171	86.2	30 - 120	
45 Sc	1	2148800	0.91	2592684	82.9	30 - 120	
72 Ge	1	1264936	0.98	1514481	83.5	30 - 120	
115 In	1	4070150	0.59	4892012	83.2	30 - 120	
165 Ho	1	7801414	0.37	8878112	87.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\210SMPL.D\210SMPL.D#
Date Acquired: Apr 11 2012 02:00 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27389-a-40-a
Misc Info:
Vial Number: 3501
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 10 2012 11:10 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.29	0.29	ppb	23.11	3600	
51 V	72	1	20.87	20.87	ppb	0.65	3600	
52 Cr	72	1	8.16	8.16	ppb	0.86	3600	
55 Mn	72	1	126.00	126.00	ppb	0.49	18000	
59 Co	72	1	2.94	2.94	ppb	0.72	3600	
60 Ni	72	1	4.64	4.64	ppb	1.46	3600	
63 Cu	72	1	414.30	414.30	ppb	0.40	3600	
66 Zn	72	1	77.35	77.35	ppb	0.79	3600	
75 As	72	1	15.25	15.25	ppb	1.59	3600	
78 Se	72	1	0.23	0.23	ppb	103.12	3600	
95 Mo	72	1	0.80	0.80	ppb	6.79	3600	
107 Ag	115	1	0.59	0.59	ppb	2.88	3600	
111 Cd	115	1	0.26	0.26	ppb	11.06	3600	
118 Sn	115	1	11.08	11.08	ppb	1.25	3600	
121 Sb	115	1	26.14	26.14	ppb	1.39	3600	
137 Ba	115	1	10.15	10.15	ppb	1.34	3600	
205 Tl	165	1	0.14	0.14	ppb	4.28	3600	
208 Pb	165	1	14,660.00	14660.00	ppb	0.49	3600	>LDR
232 Th	165	1	2.81	2.81	ppb	0.80	1000	
238 U	165	1	0.39	0.39	ppb	2.71	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	397434	0.69	484171	82.1	30 - 120	
45 Sc	1	2084701	0.67	2592684	80.4	30 - 120	
72 Ge	1	1208198	0.42	1514481	79.8	30 - 120	
115 In	1	3983907	0.36	4892012	81.4	30 - 120	
165 Ho	1	7718631	0.82	8878112	86.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\211_CCV.D\211_CCV.D#
Date Acquired: Apr 11 2012 02:03 am
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.84	ppb	2.80	50	103.7	90 - 110	
51 V	72	1	51.51	ppb	2.41	50	103.0	90 - 110	
52 Cr	72	1	51.35	ppb	1.46	50	102.7	90 - 110	
55 Mn	72	1	50.27	ppb	0.74	50	100.5	90 - 110	
59 Co	72	1	51.32	ppb	1.93	50	102.6	90 - 110	
60 Ni	72	1	50.51	ppb	1.62	50	101.0	90 - 110	
63 Cu	72	1	51.83	ppb	1.40	50	103.7	90 - 110	
66 Zn	72	1	50.42	ppb	2.72	50	100.8	90 - 110	
75 As	72	1	49.65	ppb	1.86	50	99.3	90 - 110	
78 Se	72	1	50.56	ppb	4.32	50	101.1	90 - 110	
95 Mo	72	1	50.32	ppb	1.82	50	100.6	90 - 110	
107 Ag	115	1	52.14	ppb	1.43	50	104.3	90 - 110	
111 Cd	115	1	50.23	ppb	0.18	50	100.5	90 - 110	
118 Sn	115	1	49.67	ppb	0.94	50	99.3	90 - 110	
121 Sb	115	1	49.11	ppb	0.32	50	98.2	90 - 110	
137 Ba	115	1	51.15	ppb	0.56	50	102.3	90 - 110	
205 Tl	165	1	52.21	ppb	1.01	50	104.4	90 - 110	
208 Pb	165	1	54.64	ppb	1.60	50	109.3	90 - 110	
232 Th	165	1	53.21	ppb	0.16	50	106.4	90 - 110	
238 U	165	1	53.30	ppb	1.17	50	106.6	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	412163	1.02	484171	85.1	30 - 120	
45 Sc	1	2153522	2.06	2592684	83.1	30 - 120	
72 Ge	1	1288353	1.64	1514481	85.1	30 - 120	
115 In	1	4220210	0.73	4892012	86.3	30 - 120	
165 Ho	1	7882306	1.18	8878112	88.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\212_CCB.D\212_CCB.D#
Date Acquired: Apr 11 2012 02:05 am
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.001	ppb	1210.20	1.00	
51 V	72	1	-0.001	ppb	1163.50	1.00	
52 Cr	72	1	0.003	ppb	509.88	1.00	
55 Mn	72	1	0.020	ppb	33.67	1.00	
59 Co	72	1	0.005	ppb	46.32	1.00	
60 Ni	72	1	0.012	ppb	34.40	1.00	
63 Cu	72	1	0.428	ppb	4.19	1.00	
66 Zn	72	1	0.107	ppb	10.69	1.00	
75 As	72	1	-0.001	ppb	525.29	1.00	
78 Se	72	1	-0.244	ppb	90.12	1.00	
95 Mo	72	1	-0.020	ppb	4.28	1.00	
107 Ag	115	1	0.008	ppb	38.78	1.00	
111 Cd	115	1	0.004	ppb	186.55	1.00	
118 Sn	115	1	0.036	ppb	24.03	1.00	
121 Sb	115	1	0.049	ppb	12.41	1.00	
137 Ba	115	1	-0.001	ppb	204.14	1.00	
205 Tl	165	1	0.016	ppb	26.18	1.00	
208 Pb	165	1	1.380	ppb	1.51	1.00	Fail
232 Th	165	1	0.052	ppb	15.87	1.00	
238 U	165	1	0.005	ppb	18.44	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	412273	0.52	484171	85.2	30 - 120	
45 Sc	1	2196965	1.10	2592684	84.7	30 - 120	
72 Ge	1	1311916	1.89	1514481	86.6	30 - 120	
115 In	1	4245488	0.35	4892012	86.8	30 - 120	
165 Ho	1	7926694	0.18	8878112	89.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\213WASH.D\213WASH.D#
Date Acquired: Apr 11 2012 02:08 am
Operator: TEL
Sample Name: LLICV-1353182
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.072 ppb	16.10	1.30	
51 V	72	1	5.338 ppb	1.40	6.50	
52 Cr	72	1	2.095 ppb	1.04	2.60	
55 Mn	72	1	1.148 ppb	2.86	1.30	
59 Co	72	1	1.044 ppb	0.90	1.30	
60 Ni	72	1	2.109 ppb	0.86	2.60	
63 Cu	72	1	2.525 ppb	1.43	2.60	
66 Zn	72	1	11.030 ppb	1.42	13.00	
75 As	72	1	5.190 ppb	1.31	6.50	
78 Se	72	1	5.461 ppb	1.75	6.50	
95 Mo	72	1	2.121 ppb	1.84	2.60	
107 Ag	115	1	5.153 ppb	1.63	6.50	
111 Cd	115	1	1.040 ppb	5.47	1.30	
118 Sn	115	1	10.210 ppb	0.74	13.00	
121 Sb	115	1	2.067 ppb	2.04	2.60	
137 Ba	115	1	1.105 ppb	1.34	1.30	
205 Tl	165	1	1.096 ppb	0.78	1.30	
208 Pb	165	1	2.199 ppb	0.63	1.30	
232 Th	165	1	2.197 ppb	0.81	2.60	
238 U	165	1	1.100 ppb	1.32	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	414786	0.73	484171	85.7	30 - 120	
45 Sc	1	2208393	0.46	2592684	85.2	30 - 120	
72 Ge	1	1290985	0.57	1514481	85.2	30 - 120	
115 In	1	4264085	1.18	4892012	87.2	30 - 120	
165 Ho	1	7781384	0.55	8878112	87.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\214WASH.D\214WASH.D#
Date Acquired: Apr 11 2012 02:11 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.015 ppb	232.21	1.30	
51 V	72	1	-0.010 ppb	1265.60	6.50	
52 Cr	72	1	1.366 ppb	3.26	2.60	
55 Mn	72	1	0.716 ppb	2.05	1.30	
59 Co	72	1	0.074 ppb	10.78	1.30	
60 Ni	72	1	1.191 ppb	5.60	2.60	
63 Cu	72	1	6.520 ppb	0.77	2.60	
66 Zn	72	1	3.549 ppb	2.20	13.00	
75 As	72	1	0.617 ppb	7.85	6.50	
78 Se	72	1	-0.370 ppb	25.69	6.50	
95 Mo	72	1	2357.000 ppb	0.55	2.60	
107 Ag	115	1	0.068 ppb	5.89	6.50	
111 Cd	115	1	1.015 ppb	16.41	1.30	
118 Sn	115	1	0.233 ppb	12.75	13.00	
121 Sb	115	1	0.340 ppb	2.80	2.60	
137 Ba	115	1	0.227 ppb	5.52	1.30	
205 Tl	165	1	0.042 ppb	25.80	1.30	
208 Pb	165	1	2.507 ppb	1.82	1.30	
232 Th	165	1	0.045 ppb	16.60	2.60	
238 U	165	1	0.005 ppb	55.14	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	373542	2.32	484171	77.2	30 - 120	
45 Sc	1	1905843	1.62	2592684	73.5	30 - 120	
72 Ge	1	1090000	2.14	1514481	72.0	30 - 120	
115 In	1	3552190	1.69	4892012	72.6	30 - 120	
165 Ho	1	7016114	1.63	8878112	79.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\215WASH.D\215WASH.D#
Date Acquired: Apr 11 2012 02:14 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.006 ppb	316.17	1.30	
51 V	72	1	-0.001 ppb	1902.40	6.50	
52 Cr	72	1	-0.003 ppb	339.51	2.60	
55 Mn	72	1	0.007 ppb	52.75	1.30	
59 Co	72	1	0.000 ppb	193.24	1.30	
60 Ni	72	1	0.011 ppb	21.19	2.60	
63 Cu	72	1	0.267 ppb	1.91	2.60	
66 Zn	72	1	0.066 ppb	24.80	13.00	
75 As	72	1	0.006 ppb	102.36	6.50	
78 Se	72	1	-0.387 ppb	24.74	6.50	
95 Mo	72	1	0.305 ppb	11.47	2.60	
107 Ag	115	1	0.000 ppb	347.21	6.50	
111 Cd	115	1	-0.003 ppb	330.15	1.30	
118 Sn	115	1	0.015 ppb	25.59	13.00	
121 Sb	115	1	0.005 ppb	55.78	2.60	
137 Ba	115	1	-0.002 ppb	138.51	1.30	
205 Tl	165	1	0.005 ppb	13.79	1.30	
208 Pb	165	1	0.858 ppb	5.67	1.30	
232 Th	165	1	0.001 ppb	48.17	2.60	
238 U	165	1	-0.001 ppb	63.74	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	432215	0.31	484171	89.3	30 - 120	
45 Sc	1	2267792	1.68	2592684	87.5	30 - 120	
72 Ge	1	1350982	0.70	1514481	89.2	30 - 120	
115 In	1	4408434	0.27	4892012	90.1	30 - 120	
165 Ho	1	8147635	1.34	8878112	91.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\216WASH.D\216WASH.D#
Date Acquired: Apr 11 2012 02:17 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.001 ppb	1631.90	1.30	
51 V	72	1	-0.018 ppb	36.88	6.50	
52 Cr	72	1	-0.016 ppb	3.38	2.60	
55 Mn	72	1	0.005 ppb	131.13	1.30	
59 Co	72	1	0.001 ppb	279.59	1.30	
60 Ni	72	1	0.007 ppb	61.44	2.60	
63 Cu	72	1	0.222 ppb	8.04	2.60	
66 Zn	72	1	0.077 ppb	27.54	13.00	
75 As	72	1	0.008 ppb	110.93	6.50	
78 Se	72	1	-0.445 ppb	16.90	6.50	
95 Mo	72	1	0.066 ppb	6.50	2.60	
107 Ag	115	1	0.000 ppb	404.34	6.50	
111 Cd	115	1	-0.008 ppb	58.73	1.30	
118 Sn	115	1	0.015 ppb	26.01	13.00	
121 Sb	115	1	0.003 ppb	69.73	2.60	
137 Ba	115	1	-0.002 ppb	41.01	1.30	
205 Tl	165	1	0.001 ppb	149.44	1.30	
208 Pb	165	1	0.713 ppb	6.11	1.30	
232 Th	165	1	0.000 ppb	142.90	2.60	
238 U	165	1	-0.001 ppb	18.45	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	427472	0.40	484171	88.3	30 - 120	
45 Sc	1	2315445	0.45	2592684	89.3	30 - 120	
72 Ge	1	1361696	0.46	1514481	89.9	30 - 120	
115 In	1	4426308	1.09	4892012	90.5	30 - 120	
165 Ho	1	8173580	0.35	8878112	92.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\217WASH.D\217WASH.D#
Date Acquired: Apr 11 2012 02:20 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.001 ppb	1446.20	1.30	
51 V	72	1	-0.003 ppb	449.28	6.50	
52 Cr	72	1	-0.014 ppb	15.93	2.60	
55 Mn	72	1	0.004 ppb	7.18	1.30	
59 Co	72	1	0.000 ppb	1108.30	1.30	
60 Ni	72	1	0.006 ppb	135.05	2.60	
63 Cu	72	1	0.201 ppb	4.83	2.60	
66 Zn	72	1	0.053 ppb	7.49	13.00	
75 As	72	1	-0.007 ppb	67.39	6.50	
78 Se	72	1	-0.432 ppb	61.86	6.50	
95 Mo	72	1	0.018 ppb	17.23	2.60	
107 Ag	115	1	0.000 ppb	419.75	6.50	
111 Cd	115	1	0.002 ppb	735.84	1.30	
118 Sn	115	1	0.014 ppb	32.00	13.00	
121 Sb	115	1	0.002 ppb	51.93	2.60	
137 Ba	115	1	0.000 ppb	847.39	1.30	
205 Tl	165	1	-0.001 ppb	61.57	1.30	
208 Pb	165	1	0.645 ppb	0.73	1.30	
232 Th	165	1	0.000 ppb	1346.60	2.60	
238 U	165	1	-0.001 ppb	13.33	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	425551	0.76	484171	87.9	30 - 120	
45 Sc	1	2299895	0.39	2592684	88.7	30 - 120	
72 Ge	1	1366764	1.37	1514481	90.2	30 - 120	
115 In	1	4429997	0.97	4892012	90.6	30 - 120	
165 Ho	1	8157886	0.76	8878112	91.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\218WASH.D\218WASH.D#
Date Acquired: Apr 11 2012 02:23 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.005 ppb	0.00	1.30	
51 V	72	1	0.001 ppb	721.53	6.50	
52 Cr	72	1	-0.006 ppb	62.35	2.60	
55 Mn	72	1	-0.001 ppb	224.37	1.30	
59 Co	72	1	0.000 ppb	740.69	1.30	
60 Ni	72	1	0.004 ppb	111.16	2.60	
63 Cu	72	1	0.161 ppb	2.49	2.60	
66 Zn	72	1	0.057 ppb	8.18	13.00	
75 As	72	1	-0.002 ppb	370.51	6.50	
78 Se	72	1	-0.139 ppb	151.79	6.50	
95 Mo	72	1	-0.003 ppb	95.98	2.60	
107 Ag	115	1	0.000 ppb	137.35	6.50	
111 Cd	115	1	-0.002 ppb	287.79	1.30	
118 Sn	115	1	0.013 ppb	18.56	13.00	
121 Sb	115	1	0.001 ppb	335.39	2.60	
137 Ba	115	1	-0.001 ppb	287.00	1.30	
205 Tl	165	1	-0.001 ppb	92.84	1.30	
208 Pb	165	1	0.556 ppb	3.30	1.30	
232 Th	165	1	0.000 ppb	322.01	2.60	
238 U	165	1	-0.002 ppb	27.99	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	424225	1.12	484171	87.6	30 - 120	
45 Sc	1	2304669	1.77	2592684	88.9	30 - 120	
72 Ge	1	1369360	1.14	1514481	90.4	30 - 120	
115 In	1	4417496	0.59	4892012	90.3	30 - 120	
165 Ho	1	8128109	0.58	8878112	91.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\150CALB.D\150CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\219CAL
Date Acquired: Apr 11 2012 02:26 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 10 2012 11:10 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	7	173.24
51	V	72	1	97	463.43
52	Cr	72	1	1927	4.19
55	Mn	72	1	1230	16.90
59	Co	72	1	140	46.84
60	Ni	72	1	147	14.20
63	Cu	72	1	4247	7.65
66	Zn	72	1	437	1.61
75	As	72	1	121	10.07
78	Se	72	1	453	14.35
95	Mo	72	1	400	9.01
107	Ag	115	1	50	34.64
111	Cd	115	1	376	9.17
118	Sn	115	1	467	11.80
121	Sb	115	1	244	13.39
137	Ba	115	1	70	12.60
205	Tl	165	1	229	6.73
208	Pb	165	1	61036	1.43
232	Th	165	1	220	9.09
238	U	165	1	199	15.11

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	422082	0.57
45	Sc	1	2300272	0.55
72	Ge	1	1357223	0.91
115	In	1	4420070	0.20
165	Ho	1	8100729	0.70

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\220CAL
Date Acquired: Apr 11 2012 02:29 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:27 am
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	7	173.24
51	V	72	1	240	41.18
52	Cr	72	1	1860	4.27
55	Mn	72	1	1277	16.14
59	Co	72	1	143	14.53
60	Ni	72	1	120	28.87
63	Cu	72	1	3874	4.69
66	Zn	72	1	417	6.52
75	As	72	1	100	23.58
78	Se	72	1	460	23.00
95	Mo	72	1	387	5.97
107	Ag	115	1	63	63.82
111	Cd	115	1	376	15.59
118	Sn	115	1	393	11.47
121	Sb	115	1	219	4.89
137	Ba	115	1	71	10.83
205	Tl	165	1	203	7.15
208	Pb	165	1	57797	1.27
232	Th	165	1	297	10.84
238	U	165	1	200	11.55

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	424499	0.48
45	Sc	1	2294477	0.47
72	Ge	1	1346287	0.95
115	In	1	4389882	0.58
165	Ho	1	8059659	0.37

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\221CAL
Date Acquired: Apr 11 2012 02:32 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1353181
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:29 am
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	0	0.00
51	V	72	1	180	122.37
52	Cr	72	1	1940	4.72
55	Mn	72	1	1040	3.47
59	Co	72	1	160	12.50
60	Ni	72	1	127	29.89
63	Cu	72	1	3697	9.07
66	Zn	72	1	380	6.84
75	As	72	1	122	13.01
78	Se	72	1	450	16.03
95	Mo	72	1	300	26.67
107	Ag	115	1	47	24.75
111	Cd	115	1	386	13.37
118	Sn	115	1	420	15.61
121	Sb	115	1	212	16.79
137	Ba	115	1	62	21.65
205	Tl	165	1	189	3.67
208	Pb	165	1	56620	0.53
232	Th	165	1	200	18.03
238	U	165	1	147	13.83

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	418737	0.28
45	Sc	1	2294021	0.42
72	Ge	1	1350795	0.39
115	In	1	4390423	0.66
165	Ho	1	8046871	0.71

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\222ICAL.D\222ICAL.D#
Date Acquired: Apr 11 2012 02:34 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1353131
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:32 am
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	59047	0.20
51 V	72	1	1839897	1.11
52 Cr	72	1	2040257	0.79
55 Mn	72	1	1992628	0.90
59 Co	72	1	2899322	0.45
60 Ni	72	1	688956	0.22
63 Cu	72	1	1680773	0.84
66 Zn	72	1	273690	0.23
75 As	72	1	209504	0.09
78 Se	72	1	34508	2.80
95 Mo	72	1	856401	0.79
107 Ag	115	1	2631687	1.33
111 Cd	115	1	438199	0.21
118 Sn	115	1	1227320	1.68
121 Sb	115	1	1205433	1.12
137 Ba	115	1	583015	0.74
205 Tl	165	1	4683964	0.74
208 Pb	165	1	6464981	0.33
232 Th	165	1	6338307	1.89
238 U	165	1	6858280	0.74

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	415667	0.37	418737	99.3	30 - 120	
45 Sc	1	2260777	1.47	2294021	98.6	30 - 120	
72 Ge	1	1334953	0.52	1350795	98.8	30 - 120	
115 In	1	4322446	1.04	4390424	98.5	30 - 120	
165 Ho	1	8066011	1.21	8046871	100.2	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\223_CCV.D\223_CCV.D#
Date Acquired: Apr 11 2012 02:37 am
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:35 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.42	ppb	2.34	50	100.8	90 - 110	
51 V	72	1	51.59	ppb	2.40	50	103.2	90 - 110	
52 Cr	72	1	51.71	ppb	0.84	50	103.4	90 - 110	
55 Mn	72	1	50.98	ppb	2.91	50	102.0	90 - 110	
59 Co	72	1	51.22	ppb	1.70	50	102.4	90 - 110	
60 Ni	72	1	50.35	ppb	1.09	50	100.7	90 - 110	
63 Cu	72	1	50.60	ppb	0.66	50	101.2	90 - 110	
66 Zn	72	1	50.32	ppb	1.57	50	100.6	90 - 110	
75 As	72	1	50.17	ppb	1.82	50	100.3	90 - 110	
78 Se	72	1	50.83	ppb	1.00	50	101.7	90 - 110	
95 Mo	72	1	49.89	ppb	1.54	50	99.8	90 - 110	
107 Ag	115	1	51.00	ppb	0.66	50	102.0	90 - 110	
111 Cd	115	1	49.40	ppb	0.35	50	98.8	90 - 110	
118 Sn	115	1	48.53	ppb	0.52	50	97.1	90 - 110	
121 Sb	115	1	48.84	ppb	1.22	50	97.7	90 - 110	
137 Ba	115	1	50.23	ppb	0.35	50	100.5	90 - 110	
205 Tl	165	1	51.62	ppb	1.47	50	103.2	90 - 110	
208 Pb	165	1	51.35	ppb	1.37	50	102.7	90 - 110	
232 Th	165	1	51.36	ppb	1.82	50	102.7	90 - 110	
238 U	165	1	51.30	ppb	0.70	50	102.6	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	415464	0.70	418737	99.2	30 - 120	
45 Sc	1	2241894	0.83	2294021	97.7	30 - 120	
72 Ge	1	1324309	1.00	1350795	98.0	30 - 120	
115 In	1	4338310	0.39	4390424	98.8	30 - 120	
165 Ho	1	8035311	0.88	8046871	99.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\224_CCB.D\224_CCB.D#
Date Acquired: Apr 11 2012 02:40 am
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:35 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.006	ppb	173.21	1.00	
51 V	72	1	0.000	ppb	2684.90	1.00	
52 Cr	72	1	0.008	ppb	142.52	1.00	
55 Mn	72	1	0.014	ppb	60.80	1.00	
59 Co	72	1	0.006	ppb	10.62	1.00	
60 Ni	72	1	0.006	ppb	84.04	1.00	
63 Cu	72	1	0.012	ppb	93.95	1.00	
66 Zn	72	1	0.059	ppb	20.58	1.00	
75 As	72	1	-0.004	ppb	111.80	1.00	
78 Se	72	1	0.164	ppb	143.84	1.00	
95 Mo	72	1	0.011	ppb	56.33	1.00	
107 Ag	115	1	0.008	ppb	21.57	1.00	
111 Cd	115	1	0.010	ppb	180.31	1.00	
118 Sn	115	1	0.034	ppb	5.40	1.00	
121 Sb	115	1	0.061	ppb	3.54	1.00	
137 Ba	115	1	0.007	ppb	55.32	1.00	
205 Tl	165	1	0.025	ppb	9.81	1.00	
208 Pb	165	1	-0.041	ppb	22.14	1.00	
232 Th	165	1	0.079	ppb	13.81	1.00	
238 U	165	1	0.009	ppb	9.03	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	414685	1.20	418737	99.0	30 - 120	
45 Sc	1	2239111	0.25	2294021	97.6	30 - 120	
72 Ge	1	1317159	0.85	1350795	97.5	30 - 120	
115 In	1	4335603	0.44	4390424	98.8	30 - 120	
165 Ho	1	7955341	0.54	8046871	98.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\225_BLK.D\225_BLK.D#
Date Acquired: Apr 11 2012 02:43 am
Operator: TEL
Sample Name: mb 280-114763/1-b
Misc Info: BLANK 114771 200.8
Vial Number: 3502
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:35 am
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.010 ppb	86.60	2.00	
51 V	72	1	-0.229 ppb	46.44	2.00	
52 Cr	72	1	0.054 ppb	25.01	2.00	
55 Mn	72	1	0.052 ppb	9.07	2.00	
59 Co	72	1	0.002 ppb	49.71	2.00	
60 Ni	72	1	0.062 ppb	15.77	2.00	
63 Cu	72	1	0.264 ppb	1.93	2.00	
66 Zn	72	1	0.902 ppb	2.37	2.00	
75 As	72	1	0.120 ppb	10.98	2.00	
78 Se	72	1	-0.104 ppb	88.85	2.00	
95 Mo	72	1	0.009 ppb	66.38	2.00	
107 Ag	115	1	0.007 ppb	37.45	2.00	
111 Cd	115	1	-0.007 ppb	139.87	2.00	
118 Sn	115	1	0.113 ppb	17.46	2.00	
121 Sb	115	1	0.041 ppb	4.83	2.00	
137 Ba	115	1	0.034 ppb	16.64	2.00	
205 Tl	165	1	0.037 ppb	33.47	2.00	
208 Pb	165	1	1.421 ppb	15.48	2.00	
232 Th	165	1	0.013 ppb	6.07	2.00	
238 U	165	1	0.004 ppb	6.35	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	472985	2.45	418737	113.0	30 - 120	
45 Sc	1	2413734	1.45	2294021	105.2	30 - 120	
72 Ge	1	1447011	1.15	1350795	107.1	30 - 120	
115 In	1	4586878	1.77	4390424	104.5	30 - 120	
165 Ho	1	8491724	1.40	8046871	105.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\226_LCS.D\226_LCS.D#
Date Acquired: Apr 11 2012 02:46 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-114763/2-b
Misc Info: LCS
Vial Number: 3503
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	30.88	1.29	40	77.2	80 - 120	
51 V	72	1	30.77	0.09	40	76.9	80 - 120	
52 Cr	72	1	31.40	0.29	40	78.5	80 - 120	
55 Mn	72	1	30.85	0.34	40	77.1	80 - 120	
59 Co	72	1	32.22	0.16	40	80.6	80 - 120	
60 Ni	72	1	31.60	0.10	40	79.0	80 - 120	
63 Cu	72	1	31.78	0.13	40	79.5	80 - 120	
66 Zn	72	1	33.66	0.14	40	84.2	80 - 120	
75 As	72	1	32.57	0.75	40	81.4	80 - 120	
78 Se	72	1	32.79	2.79	40	82.0	80 - 120	
95 Mo	72	1	30.74	0.11	40	76.9	80 - 120	
107 Ag	115	1	32.26	0.24	40	80.7	80 - 120	
111 Cd	115	1	31.91	1.86	40	79.8	80 - 120	
118 Sn	115	1	30.94	1.46	40	77.4	80 - 120	
121 Sb	115	1	31.53	1.83	40	78.8	80 - 120	
137 Ba	115	1	31.23	1.41	40	78.1	80 - 120	
205 Tl	165	1	32.74	0.58	40	81.9	80 - 120	
208 Pb	165	1	32.21	0.80	40	80.5	80 - 120	
232 Th	165	1	31.36	1.40	40	78.4	80 - 120	
238 U	165	1	32.07	0.18	40	80.2	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	493184	0.31	418737	117.8	30 - 120	
45 Sc	1	2457561	1.64	2294021	107.1	30 - 120	
72 Ge	1	1464251	0.47	1350795	108.4	30 - 120	
115 In	1	4664881	1.50	4390424	106.3	30 - 120	
165 Ho	1	8608509	0.77	8046871	107.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\227AREF.D\227AREF.D#
Date Acquired: Apr 11 2012 02:49 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27437-d-1-b
Misc Info:
Vial Number: 3504
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.07	0.07	ppb	69.39	3600	
51 V	72	1	0.52	0.52	ppb	16.11	3600	
52 Cr	72	1	0.59	0.59	ppb	2.88	3600	
55 Mn	72	1	23.23	23.23	ppb	1.90	18000	
59 Co	72	1	0.24	0.24	ppb	3.99	3600	
60 Ni	72	1	0.68	0.68	ppb	4.24	3600	
63 Cu	72	1	5.56	5.56	ppb	1.08	3600	
66 Zn	72	1	35.50	35.50	ppb	1.05	3600	
75 As	72	1	0.73	0.73	ppb	5.69	3600	
78 Se	72	1	-0.06	-0.06	ppb	287.71	3600	
95 Mo	72	1	7.72	7.72	ppb	2.32	3600	
107 Ag	115	1	0.01	0.01	ppb	23.66	3600	
111 Cd	115	1	0.01	0.01	ppb	171.43	3600	
118 Sn	115	1	0.13	0.13	ppb	3.84	3600	
121 Sb	115	1	0.12	0.12	ppb	1.16	3600	
137 Ba	115	1	55.86	55.86	ppb	0.50	3600	
205 Tl	165	1	0.02	0.02	ppb	17.35	3600	
208 Pb	165	1	10.03	10.03	ppb	0.57	3600	
232 Th	165	1	0.16	0.16	ppb	4.49	1000	
238 U	165	1	179.20	179.20	ppb	0.62	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	470550	0.67	418737	112.4	30 - 120	
45 Sc	1	2384113	2.44	2294021	103.9	30 - 120	
72 Ge	1	1401246	1.92	1350795	103.7	30 - 120	
115 In	1	4432381	0.67	4390424	101.0	30 - 120	
165 Ho	1	8432947	0.29	8046871	104.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\228_MS.D\228_MS.D#
Date Acquired: Apr 11 2012 02:52 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27437-d-1-c ms
Misc Info: MATRIX SPIKE
Vial Number: 3505
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	32.85	0.07	ppb	1.37	40	82.0	50 - 150	
51 V	72	1	33.17	0.52	ppb	0.39	40	81.9	50 - 150	
52 Cr	72	1	33.07	0.59	ppb	2.18	40	81.5	50 - 150	
55 Mn	72	1	55.49	23.23	ppb	0.98	40	87.8	50 - 150	
59 Co	72	1	33.21	0.24	ppb	1.59	40	82.5	50 - 150	
60 Ni	72	1	32.37	0.68	ppb	1.23	40	79.6	50 - 150	
63 Cu	72	1	37.14	5.56	ppb	0.39	40	81.5	50 - 150	
66 Zn	72	1	67.72	35.50	ppb	0.24	40	89.7	50 - 150	
75 As	72	1	34.69	0.73	ppb	0.24	40	85.2	50 - 150	
78 Se	72	1	34.68	-0.06	ppb	0.91	40	86.8	50 - 150	
95 Mo	72	1	40.61	7.72	ppb	0.42	40	85.1	50 - 150	
107 Ag	115	1	32.84	0.01	ppb	0.81	40	82.1	50 - 150	
111 Cd	115	1	32.97	0.01	ppb	0.81	40	82.4	50 - 150	
118 Sn	115	1	32.14	0.13	ppb	0.10	40	80.1	50 - 150	
121 Sb	115	1	33.03	0.12	ppb	0.13	40	82.3	50 - 150	
137 Ba	115	1	87.82	55.86	ppb	0.18	40	91.6	50 - 150	
205 Tl	165	1	33.42	0.02	ppb	0.70	40	83.5	50 - 150	
208 Pb	165	1	42.08	10.03	ppb	1.02	40	84.1	50 - 150	
232 Th	165	1	33.95	0.16	ppb	1.40	40	84.5	50 - 150	
238 U	165	1	215.00	179.20	ppb	0.71	40	98.1	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	473383	0.28	418737	113.0	30 - 120	
45 Sc	1	2385924	0.79	2294021	104.0	30 - 120	
72 Ge	1	1410801	0.24	1350795	104.4	30 - 120	
115 In	1	4478063	0.31	4390424	102.0	30 - 120	
165 Ho	1	8424091	0.59	8046871	104.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\229_MSD.D\229_MSD.D#
Date Acquired: Apr 11 2012 02:55 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27437-d-1-d msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3506
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG041012.B\228_MS.D\228_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	31.64	ppb	0.78	32.85	3.75	20	
51 V	72	1	32.41	ppb	0.46	33.17	2.32	20	
52 Cr	72	1	31.88	ppb	0.20	33.07	3.66	20	
55 Mn	72	1	54.71	ppb	0.53	55.49	1.42	20	
59 Co	72	1	32.95	ppb	1.49	33.21	0.79	20	
60 Ni	72	1	31.95	ppb	0.15	32.37	1.31	20	
63 Cu	72	1	36.61	ppb	0.25	37.14	1.44	20	
66 Zn	72	1	66.75	ppb	0.22	67.72	1.44	20	
75 As	72	1	33.85	ppb	0.87	34.69	2.45	20	
78 Se	72	1	34.58	ppb	1.17	34.68	0.29	20	
95 Mo	72	1	40.18	ppb	0.56	40.61	1.06	20	
107 Ag	115	1	31.62	ppb	0.19	32.84	3.79	20	
111 Cd	115	1	32.12	ppb	1.16	32.97	2.61	20	
118 Sn	115	1	31.47	ppb	0.93	32.14	2.11	20	
121 Sb	115	1	32.26	ppb	0.67	33.03	2.36	20	
137 Ba	115	1	85.01	ppb	0.62	87.82	3.25	20	
205 Tl	165	1	32.38	ppb	0.52	33.42	3.16	20	
208 Pb	165	1	40.53	ppb	0.31	42.08	3.75	20	
232 Th	165	1	32.61	ppb	1.82	33.95	4.03	20	
238 U	165	1	209.30	ppb	0.82	215.00	2.69	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	470954	0.37	418737	112.5	30 - 120	
45 Sc	1	2374719	0.46	2294021	103.5	30 - 120	
72 Ge	1	1386730	0.32	1350795	102.7	30 - 120	
115 In	1	4470895	0.07	4390424	101.8	30 - 120	
165 Ho	1	8417072	0.14	8046871	104.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\230SMPL.D\230SMPL.D#
Date Acquired: Apr 11 2012 02:57 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27437-d-2-b
Misc Info:
Vial Number: 3507
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.07	0.07	ppb	36.32	3600	
51 V	72	1	0.93	0.93	ppb	5.58	3600	
52 Cr	72	1	0.78	0.78	ppb	3.28	3600	
55 Mn	72	1	59.84	59.84	ppb	0.64	18000	
59 Co	72	1	0.43	0.43	ppb	2.22	3600	
60 Ni	72	1	1.06	1.06	ppb	3.18	3600	
63 Cu	72	1	14.81	14.81	ppb	0.70	3600	
66 Zn	72	1	120.20	120.20	ppb	1.20	3600	
75 As	72	1	1.93	1.93	ppb	3.60	3600	
78 Se	72	1	0.27	0.27	ppb	27.78	3600	
95 Mo	72	1	3.64	3.64	ppb	1.03	3600	
107 Ag	115	1	0.01	0.01	ppb	11.12	3600	
111 Cd	115	1	0.09	0.09	ppb	12.51	3600	
118 Sn	115	1	0.23	0.23	ppb	4.52	3600	
121 Sb	115	1	0.36	0.36	ppb	1.67	3600	
137 Ba	115	1	55.60	55.60	ppb	0.33	3600	
205 Tl	165	1	0.02	0.02	ppb	9.01	3600	
208 Pb	165	1	40.72	40.72	ppb	0.18	3600	
232 Th	165	1	0.16	0.16	ppb	4.42	1000	
238 U	165	1	52.05	52.05	ppb	1.11	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	469788	1.25	418737	112.2	30 - 120	
45 Sc	1	2353431	0.17	2294021	102.6	30 - 120	
72 Ge	1	1404803	0.87	1350795	104.0	30 - 120	
115 In	1	4441297	1.04	4390424	101.2	30 - 120	
165 Ho	1	8345475	0.53	8046871	103.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\231SMPL.D\231SMPL.D#
Date Acquired: Apr 11 2012 03:00 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27437-d-3-b
Misc Info:
Vial Number: 3508
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	49.35	3600	
51 V	72	1	0.53	0.53	ppb	18.78	3600	
52 Cr	72	1	0.55	0.55	ppb	0.68	3600	
55 Mn	72	1	22.05	22.05	ppb	0.63	18000	
59 Co	72	1	0.22	0.22	ppb	6.54	3600	
60 Ni	72	1	0.66	0.66	ppb	2.57	3600	
63 Cu	72	1	5.40	5.40	ppb	1.89	3600	
66 Zn	72	1	34.04	34.04	ppb	1.20	3600	
75 As	72	1	0.76	0.76	ppb	1.46	3600	
78 Se	72	1	-0.14	-0.14	ppb	75.25	3600	
95 Mo	72	1	7.73	7.73	ppb	3.27	3600	
107 Ag	115	1	0.01	0.01	ppb	19.71	3600	
111 Cd	115	1	0.01	0.01	ppb	156.26	3600	
118 Sn	115	1	0.18	0.18	ppb	4.67	3600	
121 Sb	115	1	0.12	0.12	ppb	1.81	3600	
137 Ba	115	1	55.34	55.34	ppb	0.98	3600	
205 Tl	165	1	0.02	0.02	ppb	5.53	3600	
208 Pb	165	1	9.68	9.68	ppb	0.32	3600	
232 Th	165	1	0.11	0.11	ppb	1.11	1000	
238 U	165	1	179.90	179.90	ppb	0.73	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	466593	0.76	418737	111.4	30 - 120	
45 Sc	1	2339145	0.08	2294021	102.0	30 - 120	
72 Ge	1	1378898	0.63	1350795	102.1	30 - 120	
115 In	1	4359240	0.69	4390424	99.3	30 - 120	
165 Ho	1	8331346	0.21	8046871	103.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\232SMPL.D\232SMPL.D#
Date Acquired: Apr 11 2012 03:03 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27437-d-4-b
Misc Info:
Vial Number: 3509
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.05	0.05	ppb	66.20	3600	
51 V	72	1	0.74	0.74	ppb	6.76	3600	
52 Cr	72	1	0.66	0.66	ppb	2.71	3600	
55 Mn	72	1	55.36	55.36	ppb	0.79	18000	
59 Co	72	1	0.39	0.39	ppb	6.67	3600	
60 Ni	72	1	0.93	0.93	ppb	3.82	3600	
63 Cu	72	1	14.24	14.24	ppb	1.49	3600	
66 Zn	72	1	113.30	113.30	ppb	1.15	3600	
75 As	72	1	1.84	1.84	ppb	1.94	3600	
78 Se	72	1	0.24	0.24	ppb	101.45	3600	
95 Mo	72	1	3.45	3.45	ppb	3.39	3600	
107 Ag	115	1	0.00	0.00	ppb	57.97	3600	
111 Cd	115	1	0.08	0.08	ppb	10.25	3600	
118 Sn	115	1	0.11	0.11	ppb	3.81	3600	
121 Sb	115	1	0.30	0.30	ppb	1.54	3600	
137 Ba	115	1	52.60	52.60	ppb	0.76	3600	
205 Tl	165	1	0.02	0.02	ppb	4.69	3600	
208 Pb	165	1	38.92	38.92	ppb	1.50	3600	
232 Th	165	1	0.12	0.12	ppb	2.27	1000	
238 U	165	1	50.76	50.76	ppb	0.71	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	463263	0.73	418737	110.6	30 - 120	
45 Sc	1	2338655	0.85	2294021	101.9	30 - 120	
72 Ge	1	1381873	0.82	1350795	102.3	30 - 120	
115 In	1	4405626	0.63	4390424	100.3	30 - 120	
165 Ho	1	8312373	0.51	8046871	103.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\233_CCV.D\233_CCV.D#
Date Acquired: Apr 11 2012 03:06 am
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:35 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.23	ppb	0.79	50	100.5	90 - 110	
51 V	72	1	50.77	ppb	2.18	50	101.5	90 - 110	
52 Cr	72	1	51.01	ppb	1.61	50	102.0	90 - 110	
55 Mn	72	1	51.43	ppb	1.24	50	102.9	90 - 110	
59 Co	72	1	51.81	ppb	1.73	50	103.6	90 - 110	
60 Ni	72	1	50.27	ppb	1.03	50	100.5	90 - 110	
63 Cu	72	1	51.36	ppb	0.90	50	102.7	90 - 110	
66 Zn	72	1	50.23	ppb	0.81	50	100.5	90 - 110	
75 As	72	1	49.85	ppb	1.17	50	99.7	90 - 110	
78 Se	72	1	51.33	ppb	4.19	50	102.7	90 - 110	
95 Mo	72	1	49.74	ppb	0.40	50	99.5	90 - 110	
107 Ag	115	1	51.45	ppb	1.42	50	102.9	90 - 110	
111 Cd	115	1	50.28	ppb	0.68	50	100.6	90 - 110	
118 Sn	115	1	49.11	ppb	1.23	50	98.2	90 - 110	
121 Sb	115	1	49.22	ppb	0.71	50	98.4	90 - 110	
137 Ba	115	1	50.63	ppb	0.59	50	101.3	90 - 110	
205 Tl	165	1	51.95	ppb	0.90	50	103.9	90 - 110	
208 Pb	165	1	51.63	ppb	0.70	50	103.3	90 - 110	
232 Th	165	1	51.66	ppb	0.80	50	103.3	90 - 110	
238 U	165	1	52.05	ppb	0.36	50	104.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	424796	0.50	418737	101.4	30 - 120	
45 Sc	1	2243402	0.81	2294021	97.8	30 - 120	
72 Ge	1	1325770	0.90	1350795	98.1	30 - 120	
115 In	1	4296676	0.56	4390424	97.9	30 - 120	
165 Ho	1	8042951	0.10	8046871	100.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\234_CCB.D\234_CCB.D#
Date Acquired: Apr 11 2012 03:09 am
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:35 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element		IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9	Be	6	1	0.006	ppb	173.19	1.00	
51	V	72	1	-0.008	ppb	116.86	1.00	
52	Cr	72	1	-0.001	ppb	765.01	1.00	
55	Mn	72	1	0.014	ppb	61.12	1.00	
59	Co	72	1	0.003	ppb	53.78	1.00	
60	Ni	72	1	0.003	ppb	374.43	1.00	
63	Cu	72	1	-0.027	ppb	49.98	1.00	
66	Zn	72	1	0.173	ppb	9.73	1.00	
75	As	72	1	0.012	ppb	9.61	1.00	
78	Se	72	1	0.045	ppb	228.76	1.00	
95	Mo	72	1	0.001	ppb	851.73	1.00	
107	Ag	115	1	0.007	ppb	14.27	1.00	
111	Cd	115	1	0.003	ppb	208.99	1.00	
118	Sn	115	1	0.036	ppb	2.56	1.00	
121	Sb	115	1	0.040	ppb	9.76	1.00	
137	Ba	115	1	0.010	ppb	38.02	1.00	
205	Tl	165	1	0.019	ppb	14.14	1.00	
208	Pb	165	1	-0.197	ppb	6.98	1.00	
232	Th	165	1	0.071	ppb	16.20	1.00	
238	U	165	1	0.012	ppb	9.86	1.00	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	418157	1.19	418737	99.9	30 - 120	
45	Sc	1	2222821	1.27	2294021	96.9	30 - 120	
72	Ge	1	1305990	0.74	1350795	96.7	30 - 120	
115	In	1	4288646	0.49	4390424	97.7	30 - 120	
165	Ho	1	7961451	0.82	8046871	98.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\235_BLK.D\235_BLK.D#
Date Acquired: Apr 11 2012 03:12 am
Operator: TEL
Sample Name: mb 280-114559/1-a
Misc Info: BLANK 114559 6020
Vial Number: 3510
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:35 am
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.028 ppb	69.04	2.00	
51 V	72	1	0.003 ppb	646.08	2.00	
52 Cr	72	1	0.036 ppb	20.22	2.00	
55 Mn	72	1	0.037 ppb	12.76	2.00	
59 Co	72	1	0.001 ppb	199.13	2.00	
60 Ni	72	1	0.010 ppb	20.82	2.00	
63 Cu	72	1	-0.012 ppb	204.87	2.00	
66 Zn	72	1	1.070 ppb	4.02	2.00	
75 As	72	1	0.000 ppb	3012.60	2.00	
78 Se	72	1	0.025 ppb	1452.10	2.00	
95 Mo	72	1	0.004 ppb	221.47	2.00	
107 Ag	115	1	0.003 ppb	31.47	2.00	
111 Cd	115	1	-0.011 ppb	45.21	2.00	
118 Sn	115	1	0.049 ppb	12.71	2.00	
121 Sb	115	1	0.009 ppb	25.98	2.00	
137 Ba	115	1	0.033 ppb	15.46	2.00	
205 Tl	165	1	0.006 ppb	17.24	2.00	
208 Pb	165	1	-0.237 ppb	12.98	2.00	
232 Th	165	1	0.011 ppb	5.43	2.00	
238 U	165	1	0.007 ppb	15.53	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	419439	0.49	418737	100.2	30 - 120	
45 Sc	1	2221983	0.21	2294021	96.9	30 - 120	
72 Ge	1	1345664	1.15	1350795	99.6	30 - 120	
115 In	1	4333244	0.64	4390424	98.7	30 - 120	
165 Ho	1	8009055	0.24	8046871	99.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\236_LCS.D\236_LCS.D#
Date Acquired: Apr 11 2012 03:15 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-114559/2-a
Misc Info: LCS
Vial Number: 3511
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	41.60	3.58	40	104.0	80 - 120	
51 V	72	1	39.61	1.82	40	99.0	80 - 120	
52 Cr	72	1	40.28	1.36	40	100.7	80 - 120	
55 Mn	72	1	39.77	0.79	40	99.4	80 - 120	
59 Co	72	1	40.11	0.78	40	100.3	80 - 120	
60 Ni	72	1	39.23	0.51	40	98.1	80 - 120	
63 Cu	72	1	39.79	0.33	40	99.5	80 - 120	
66 Zn	72	1	42.04	0.57	40	105.1	80 - 120	
75 As	72	1	40.88	0.81	40	102.2	80 - 120	
78 Se	72	1	41.92	1.25	40	104.8	80 - 120	
95 Mo	72	1	39.72	1.12	40	99.3	80 - 120	
107 Ag	115	1	40.67	0.35	40	101.7	80 - 120	
111 Cd	115	1	40.25	1.09	40	100.6	80 - 120	
118 Sn	115	1	39.25	0.41	40	98.1	80 - 120	
121 Sb	115	1	40.14	0.32	40	100.4	80 - 120	
137 Ba	115	1	39.63	0.09	40	99.1	80 - 120	
205 Tl	165	1	41.37	0.98	40	103.4	80 - 120	
208 Pb	165	1	40.50	1.45	40	101.3	80 - 120	
232 Th	165	1	40.88	1.71	40	102.2	80 - 120	
238 U	165	1	41.45	1.74	40	103.6	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	411480	0.73	418737	98.3	30 - 120	
45 Sc	1	2196741	0.54	2294021	95.8	30 - 120	
72 Ge	1	1314715	0.05	1350795	97.3	30 - 120	
115 In	1	4260765	0.49	4390424	97.0	30 - 120	
165 Ho	1	7889350	1.19	8046871	98.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\237AREF.D\237AREF.D#
Date Acquired: Apr 11 2012 03:18 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27276-e-1-e
Misc Info:
Vial Number: 3512
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.67	0.67	ppb	13.33	3600	
51 V	72	1	30.48	30.48	ppb	2.71	3600	
52 Cr	72	1	51.59	51.59	ppb	1.52	3600	
55 Mn	72	1	245.50	245.50	ppb	0.59	18000	
59 Co	72	1	7.15	7.15	ppb	0.69	3600	
60 Ni	72	1	25.77	25.77	ppb	0.73	3600	
63 Cu	72	1	13.94	13.94	ppb	0.48	3600	
66 Zn	72	1	46.88	46.88	ppb	1.28	3600	
75 As	72	1	2.63	2.63	ppb	1.39	3600	
78 Se	72	1	56.59	56.59	ppb	0.62	3600	
95 Mo	72	1	7.48	7.48	ppb	2.04	3600	
107 Ag	115	1	0.11	0.11	ppb	11.97	3600	
111 Cd	115	1	0.24	0.24	ppb	4.41	3600	
118 Sn	115	1	0.43	0.43	ppb	4.62	3600	
121 Sb	115	1	0.27	0.27	ppb	1.55	3600	
137 Ba	115	1	123.40	123.40	ppb	0.59	3600	
205 Tl	165	1	0.21	0.21	ppb	5.20	3600	
208 Pb	165	1	8.37	8.37	ppb	0.41	3600	
232 Th	165	1	5.44	5.44	ppb	1.15	1000	
238 U	165	1	40.86	40.86	ppb	0.60	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	362688	0.88	418737	86.6	30 - 120	
45 Sc	1	1913758	0.84	2294021	83.4	30 - 120	
72 Ge	1	1057117	0.95	1350795	78.3	30 - 120	
115 In	1	3475985	0.67	4390424	79.2	30 - 120	
165 Ho	1	6938828	0.15	8046871	86.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\238SDIL.D\238SDIL.D#
Date Acquired: Apr 11 2012 03:21 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27276-e-1-e SD@5
Misc Info: SERIAL DILUTION
Vial Number: 4101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG041012.B\237AREF.D\237AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.11	ppb	45.34	0.13	81.8	90 - 110	
51 V	72	1	5.79	ppb	1.52	6.10	94.9	90 - 110	
52 Cr	72	1	9.95	ppb	0.94	10.32	96.4	90 - 110	
55 Mn	72	1	50.92	ppb	1.43	49.10	103.7	90 - 110	
59 Co	72	1	1.48	ppb	0.92	1.43	103.5	90 - 110	
60 Ni	72	1	5.37	ppb	2.63	5.15	104.3	90 - 110	
63 Cu	72	1	2.92	ppb	1.84	2.79	104.6	90 - 110	
66 Zn	72	1	9.89	ppb	2.53	9.38	105.4	90 - 110	
75 As	72	1	0.50	ppb	4.88	0.53	94.8	90 - 110	
78 Se	72	1	9.90	ppb	4.77	11.32	87.5	90 - 110	
95 Mo	72	1	1.39	ppb	3.99	1.50	93.1	90 - 110	
107 Ag	115	1	0.02	ppb	11.34	0.02	111.4	90 - 110	
111 Cd	115	1	0.04	ppb	30.70	0.05	89.4	90 - 110	
118 Sn	115	1	0.14	ppb	17.66	0.09	159.9	90 - 110	
121 Sb	115	1	0.05	ppb	6.64	0.05	97.6	90 - 110	
137 Ba	115	1	24.86	ppb	0.40	24.68	100.7	90 - 110	
205 Tl	165	1	0.04	ppb	4.35	0.04	106.3	90 - 110	
208 Pb	165	1	1.45	ppb	3.31	1.67	86.3	90 - 110	
232 Th	165	1	1.08	ppb	1.90	1.09	99.2	90 - 110	
238 U	165	1	8.27	ppb	1.01	8.17	101.2	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	407925	0.46	418737	97.4	30 - 120	
45 Sc	1	2099545	1.64	2294021	91.5	30 - 120	
72 Ge	1	1220892	1.33	1350795	90.4	30 - 120	
115 In	1	3886547	0.09	4390424	88.5	30 - 120	
165 Ho	1	7647806	0.60	8046871	95.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\239PDS.D\239PDS.D#
Date Acquired: Apr 11 2012 03:24 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27276-e-1-e PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 4102
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	187.90	0.67	ppb	1.09	200	93.6	75 - 125	
51 V	72	1	224.40	30.48	ppb	0.75	200	97.4	75 - 125	
52 Cr	72	1	235.30	51.59	ppb	0.24	200	93.5	75 - 125	
55 Mn	72	1	412.80	245.50	ppb	1.66	200	92.7	75 - 125	
59 Co	72	1	190.30	7.15	ppb	0.72	200	91.9	75 - 125	
60 Ni	72	1	208.50	25.77	ppb	0.29	200	92.4	75 - 125	
63 Cu	72	1	184.60	13.94	ppb	0.80	200	86.3	75 - 125	
66 Zn	72	1	224.80	46.88	ppb	0.32	200	91.1	75 - 125	
75 As	72	1	208.80	2.63	ppb	0.23	200	103.0	75 - 125	
78 Se	72	1	276.90	56.59	ppb	0.17	200	107.9	75 - 125	
95 Mo	72	1	213.20	7.48	ppb	1.04	200	102.8	75 - 125	
107 Ag	115	1	37.61	0.11	ppb	0.78	50	75.1	75 - 125	
111 Cd	115	1	184.50	0.24	ppb	0.53	200	92.1	75 - 125	
118 Sn	115	1	191.80	0.43	ppb	1.49	200	95.7	75 - 125	
121 Sb	115	1	200.90	0.27	ppb	1.36	200	100.3	75 - 125	
137 Ba	115	1	325.60	123.40	ppb	0.88	200	100.7	75 - 125	
205 Tl	165	1	175.30	0.21	ppb	0.79	200	87.6	75 - 125	
208 Pb	165	1	180.00	8.37	ppb	0.33	200	86.4	75 - 125	
232 Th	165	1	5.24	5.44	ppb	0.40	200	2.6	75 - 125	
238 U	165	1	229.90	40.86	ppb	0.07	200	95.4	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	378929	0.14	418737	90.5	30 - 120	
45 Sc	1	1953491	0.55	2294021	85.2	30 - 120	
72 Ge	1	1092573	0.73	1350795	80.9	30 - 120	
115 In	1	3494839	0.82	4390424	79.6	30 - 120	
165 Ho	1	7020969	0.45	8046871	87.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\240_MS.D\240_MS.D#
Date Acquired: Apr 11 2012 03:26 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27276-e-1-f ms
Misc Info: MATRIX SPIKE
Vial Number: 4103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	35.84	0.67	ppb	1.15	40	88.1	50 - 150	
51 V	72	1	72.32	30.48	ppb	2.01	40	102.6	50 - 150	
52 Cr	72	1	92.75	51.59	ppb	1.58	40	101.3	50 - 150	
55 Mn	72	1	293.20	245.50	ppb	1.08	40	102.7	50 - 150	
59 Co	72	1	44.45	7.15	ppb	0.62	40	94.3	50 - 150	
60 Ni	72	1	62.46	25.77	ppb	0.85	40	95.0	50 - 150	
63 Cu	72	1	47.60	13.94	ppb	0.54	40	88.2	50 - 150	
66 Zn	72	1	106.90	46.88	ppb	1.10	40	123.0	50 - 150	
75 As	72	1	42.17	2.63	ppb	1.61	40	98.9	50 - 150	
78 Se	72	1	104.00	56.59	ppb	1.44	40	107.7	50 - 150	
95 Mo	72	1	46.08	7.48	ppb	1.14	40	97.0	50 - 150	
107 Ag	115	1	31.23	0.11	ppb	1.17	40	77.9	50 - 150	
111 Cd	115	1	34.51	0.24	ppb	1.05	40	85.8	50 - 150	
118 Sn	115	1	15.53	0.43	ppb	0.42	40	38.4	50 - 150	
121 Sb	115	1	27.09	0.27	ppb	0.97	40	67.3	50 - 150	
137 Ba	115	1	168.20	123.40	ppb	0.76	40	102.9	50 - 150	
205 Tl	165	1	34.31	0.21	ppb	0.80	40	85.3	50 - 150	
208 Pb	165	1	41.91	8.37	ppb	0.81	40	86.6	50 - 150	
232 Th	165	1	42.75	5.44	ppb	1.87	40	94.1	50 - 150	
238 U	165	1	78.94	40.86	ppb	0.47	40	97.6	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	389608	0.70	418737	93.0	30 - 120	
45 Sc	1	1963411	0.55	2294021	85.6	30 - 120	
72 Ge	1	1089176	0.89	1350795	80.6	30 - 120	
115 In	1	3543894	1.09	4390424	80.7	30 - 120	
165 Ho	1	7055696	0.56	8046871	87.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\241_MSD.D\241_MSD.D#
Date Acquired: Apr 11 2012 03:29 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27276-e-1-g msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 4104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG041012.B\240_MS.D\240_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	39.98	ppb	2.05	35.84	10.92	20	
51 V	72	1	75.77	ppb	1.65	72.32	4.66	20	
52 Cr	72	1	95.20	ppb	0.86	92.75	2.61	20	
55 Mn	72	1	295.60	ppb	1.64	293.20	0.82	20	
59 Co	72	1	48.46	ppb	1.11	44.45	8.63	20	
60 Ni	72	1	65.98	ppb	1.93	62.46	5.48	20	
63 Cu	72	1	51.32	ppb	1.84	47.60	7.52	20	
66 Zn	72	1	120.60	ppb	1.55	106.90	12.04	20	
75 As	72	1	46.21	ppb	1.99	42.17	9.14	20	
78 Se	72	1	107.00	ppb	2.16	104.00	2.84	20	
95 Mo	72	1	50.67	ppb	1.81	46.08	9.49	20	
107 Ag	115	1	33.91	ppb	1.37	31.23	8.23	20	
111 Cd	115	1	38.63	ppb	0.46	34.51	11.27	20	
118 Sn	115	1	17.56	ppb	0.65	15.53	12.27	20	
121 Sb	115	1	30.30	ppb	0.82	27.09	11.19	20	
137 Ba	115	1	177.20	ppb	1.64	168.20	5.21	20	
205 Tl	165	1	38.15	ppb	0.66	34.31	10.60	20	
208 Pb	165	1	45.18	ppb	0.54	41.91	7.51	20	
232 Th	165	1	46.15	ppb	0.19	42.75	7.65	20	
238 U	165	1	81.71	ppb	0.45	78.94	3.45	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	397062	0.13	418737	94.8	30 - 120	
45 Sc	1	1995969	1.32	2294021	87.0	30 - 120	
72 Ge	1	1109212	1.73	1350795	82.1	30 - 120	
115 In	1	3561949	1.32	4390424	81.1	30 - 120	
165 Ho	1	7138920	0.26	8046871	88.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\242_CCV.D\242_CCV.D#
Date Acquired: Apr 11 2012 03:32 am
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:35 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	46.72	ppb	2.36	50	93.4	90 - 110	
51 V	72	1	50.96	ppb	1.64	50	101.9	90 - 110	
52 Cr	72	1	52.54	ppb	1.17	50	105.1	90 - 110	
55 Mn	72	1	51.00	ppb	0.71	50	102.0	90 - 110	
59 Co	72	1	52.38	ppb	0.96	50	104.8	90 - 110	
60 Ni	72	1	50.87	ppb	2.32	50	101.7	90 - 110	
63 Cu	72	1	51.59	ppb	0.92	50	103.2	90 - 110	
66 Zn	72	1	50.39	ppb	0.77	50	100.8	90 - 110	
75 As	72	1	50.25	ppb	0.62	50	100.5	90 - 110	
78 Se	72	1	48.72	ppb	0.14	50	97.4	90 - 110	
95 Mo	72	1	50.10	ppb	1.23	50	100.2	90 - 110	
107 Ag	115	1	52.05	ppb	0.87	50	104.1	90 - 110	
111 Cd	115	1	50.45	ppb	0.58	50	100.9	90 - 110	
118 Sn	115	1	49.38	ppb	1.38	50	98.8	90 - 110	
121 Sb	115	1	48.91	ppb	1.11	50	97.8	90 - 110	
137 Ba	115	1	50.00	ppb	0.59	50	100.0	90 - 110	
205 Tl	165	1	51.91	ppb	0.96	50	103.8	90 - 110	
208 Pb	165	1	51.61	ppb	1.02	50	103.2	90 - 110	
232 Th	165	1	51.26	ppb	1.56	50	102.5	90 - 110	
238 U	165	1	51.65	ppb	0.99	50	103.3	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	482502	0.94	418737	115.2	30 - 120	
45 Sc	1	2329554	0.50	2294021	101.5	30 - 120	
72 Ge	1	1395305	0.95	1350795	103.3	30 - 120	
115 In	1	4487004	0.52	4390424	102.2	30 - 120	
165 Ho	1	8312881	1.22	8046871	103.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\243_CCB.D\243_CCB.D#
Date Acquired: Apr 11 2012 03:35 am
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:35 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.020	ppb	115.21	1.00	
51 V	72	1	-0.002	ppb	677.67	1.00	
52 Cr	72	1	0.006	ppb	208.86	1.00	
55 Mn	72	1	0.017	ppb	23.08	1.00	
59 Co	72	1	0.005	ppb	27.80	1.00	
60 Ni	72	1	0.005	ppb	131.44	1.00	
63 Cu	72	1	-0.041	ppb	14.92	1.00	
66 Zn	72	1	4.307	ppb	65.36	1.00	Fail
75 As	72	1	0.006	ppb	224.07	1.00	
78 Se	72	1	-0.107	ppb	144.58	1.00	
95 Mo	72	1	0.006	ppb	148.94	1.00	
107 Ag	115	1	0.010	ppb	11.94	1.00	
111 Cd	115	1	0.010	ppb	213.70	1.00	
118 Sn	115	1	0.039	ppb	20.70	1.00	
121 Sb	115	1	0.043	ppb	14.12	1.00	
137 Ba	115	1	0.009	ppb	21.67	1.00	
205 Tl	165	1	0.020	ppb	15.42	1.00	
208 Pb	165	1	-0.333	ppb	5.52	1.00	
232 Th	165	1	0.062	ppb	20.20	1.00	
238 U	165	1	0.012	ppb	2.29	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	477078	0.99	418737	113.9	30 - 120	
45 Sc	1	2393758	0.67	2294021	104.3	30 - 120	
72 Ge	1	1406464	0.05	1350795	104.1	30 - 120	
115 In	1	4529887	1.07	4390424	103.2	30 - 120	
165 Ho	1	8371242	0.80	8046871	104.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\244SMPL.D\244SMPL.D#
Date Acquired: Apr 11 2012 03:38 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27276-e-2-e
Misc Info:
Vial Number: 4105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.12	1.12	ppb	9.51	3600	
51 V	72	1	54.04	54.04	ppb	1.64	3600	
52 Cr	72	1	63.67	63.67	ppb	0.69	3600	
55 Mn	72	1	505.10	505.10	ppb	0.49	18000	
59 Co	72	1	12.42	12.42	ppb	0.50	3600	
60 Ni	72	1	38.90	38.90	ppb	1.28	3600	
63 Cu	72	1	24.18	24.18	ppb	1.05	3600	
66 Zn	72	1	75.78	75.78	ppb	0.63	3600	
75 As	72	1	12.75	12.75	ppb	1.93	3600	
78 Se	72	1	5.01	5.01	ppb	4.21	3600	
95 Mo	72	1	14.43	14.43	ppb	1.32	3600	
107 Ag	115	1	0.12	0.12	ppb	4.08	3600	
111 Cd	115	1	0.38	0.38	ppb	3.48	3600	
118 Sn	115	1	0.57	0.57	ppb	5.63	3600	
121 Sb	115	1	0.72	0.72	ppb	1.39	3600	
137 Ba	115	1	160.10	160.10	ppb	0.75	3600	
205 Tl	165	1	0.35	0.35	ppb	2.37	3600	
208 Pb	165	1	12.91	12.91	ppb	1.45	3600	
232 Th	165	1	7.67	7.67	ppb	2.21	1000	
238 U	165	1	0.98	0.98	ppb	1.74	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	411562	0.39	418737	98.3	30 - 120	
45 Sc	1	2087043	0.79	2294021	91.0	30 - 120	
72 Ge	1	1157094	1.08	1350795	85.7	30 - 120	
115 In	1	3664786	0.56	4390424	83.5	30 - 120	
165 Ho	1	7313551	1.23	8046871	90.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\245SMPL.D\245SMPL.D#
Date Acquired: Apr 11 2012 03:41 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27313-r-1-d
Misc Info:
Vial Number: 4106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	86.59	3600	
51 V	72	1	4.41	4.41	ppb	1.30	3600	
52 Cr	72	1	4.63	4.63	ppb	0.41	3600	
55 Mn	72	1	751.40	751.40	ppb	0.92	18000	
59 Co	72	1	4.69	4.69	ppb	2.70	3600	
60 Ni	72	1	14.18	14.18	ppb	2.21	3600	
63 Cu	72	1	18.61	18.61	ppb	0.98	3600	
66 Zn	72	1	30.07	30.07	ppb	1.17	3600	
75 As	72	1	295.10	295.10	ppb	1.33	3600	
78 Se	72	1	0.19	0.19	ppb	29.88	3600	
95 Mo	72	1	4.62	4.62	ppb	1.73	3600	
107 Ag	115	1	0.01	0.01	ppb	30.03	3600	
111 Cd	115	1	0.04	0.04	ppb	27.09	3600	
118 Sn	115	1	1.26	1.26	ppb	0.91	3600	
121 Sb	115	1	147.40	147.40	ppb	1.31	3600	
137 Ba	115	1	520.60	520.60	ppb	0.38	3600	
205 Tl	165	1	0.01	0.01	ppb	15.56	3600	
208 Pb	165	1	0.66	0.66	ppb	4.18	3600	
232 Th	165	1	0.07	0.07	ppb	2.78	1000	
238 U	165	1	5.00	5.00	ppb	0.52	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	434856	0.56	418737	103.8	30 - 120	
45 Sc	1	2151163	0.86	2294021	93.8	30 - 120	
72 Ge	1	1197246	1.29	1350795	88.6	30 - 120	
115 In	1	3885326	0.30	4390424	88.5	30 - 120	
165 Ho	1	7678957	0.27	8046871	95.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\246SMPL.D\246SMPL.D#
Date Acquired: Apr 11 2012 03:44 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27363-r-1-a
Misc Info: 5X
Vial Number: 4107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: SA
Dilution Factor: 5.00
Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	9.39	1.88	ppb	19.81	3600	
51 V	72	1	332.40	66.48	ppb	2.44	3600	
52 Cr	72	1	401.65	80.33	ppb	0.72	3600	
55 Mn	72	1	6,895.00	1379.00	ppb	0.54	18000	
59 Co	72	1	111.75	22.35	ppb	1.54	3600	
60 Ni	72	1	351.45	70.29	ppb	1.37	3600	
63 Cu	72	1	343.30	68.66	ppb	0.89	3600	
66 Zn	72	1	9,365.00	1873.00	ppb	0.70	3600	
75 As	72	1	262.70	52.54	ppb	0.40	3600	
78 Se	72	1	21.35	4.27	ppb	12.99	3600	
95 Mo	72	1	165.65	33.13	ppb	1.00	3600	
107 Ag	115	1	1.26	0.25	ppb	4.28	3600	
111 Cd	115	1	11.05	2.21	ppb	3.19	3600	
118 Sn	115	1	107.00	21.40	ppb	1.38	3600	
121 Sb	115	1	25.67	5.13	ppb	1.44	3600	
137 Ba	115	1	3,838.00	767.60	ppb	0.25	3600	
205 Tl	165	1	1.03	0.21	ppb	2.20	3600	
208 Pb	165	1	331.05	66.21	ppb	0.37	3600	
232 Th	165	1	29.01	5.80	ppb	1.23	1000	
238 U	165	1	10.42	2.08	ppb	0.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	416106	0.66	418737	99.4	30 - 120	
45 Sc	1	2052447	0.96	2294021	89.5	30 - 120	
72 Ge	1	1222713	0.72	1350795	90.5	30 - 120	
115 In	1	3774582	0.37	4390424	86.0	30 - 120	
165 Ho	1	7538448	0.68	8046871	93.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\247SMPL.D\247SMPL.D#
Date Acquired: Apr 11 2012 03:47 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27363-r-1-a
Misc Info:
Vial Number: 4108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	9.81	9.81	ppb	6.85	3600	
51 V	72	1	285.10	285.10	ppb	1.37	3600	
52 Cr	72	1	340.40	340.40	ppb	1.42	3600	
55 Mn	72	1	6,076.00	6076.00	ppb	1.33	18000	
59 Co	72	1	93.76	93.76	ppb	1.49	3600	
60 Ni	72	1	292.40	292.40	ppb	1.00	3600	
63 Cu	72	1	265.20	265.20	ppb	1.37	3600	
66 Zn	72	1	7,468.00	7468.00	ppb	1.08	3600	>LDR
75 As	72	1	254.00	254.00	ppb	0.64	3600	
78 Se	72	1	18.97	18.97	ppb	6.28	3600	
95 Mo	72	1	155.20	155.20	ppb	1.43	3600	
107 Ag	115	1	1.12	1.12	ppb	1.42	3600	
111 Cd	115	1	10.05	10.05	ppb	2.01	3600	
118 Sn	115	1	107.00	107.00	ppb	2.40	3600	
121 Sb	115	1	25.83	25.83	ppb	1.36	3600	
137 Ba	115	1	3,777.00	3777.00	ppb	1.19	3600	>LDR
205 Tl	165	1	0.97	0.97	ppb	1.32	3600	
208 Pb	165	1	307.10	307.10	ppb	0.53	3600	
232 Th	165	1	28.94	28.94	ppb	0.34	1000	
238 U	165	1	10.19	10.19	ppb	0.75	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	323707	0.75	418737	77.3	30 - 120	
45 Sc	1	1769142	1.08	2294021	77.1	30 - 120	
72 Ge	1	1047566	1.17	1350795	77.6	30 - 120	
115 In	1	2911862	1.37	4390424	66.3	30 - 120	
165 Ho	1	6164996	0.70	8046871	76.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

2 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\248SMPL.D\248SMPL.D#
Date Acquired: Apr 11 2012 03:50 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27373-g-1-a
Misc Info:
Vial Number: 4109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.22	3600	
51 V	72	1	3.10	3.10	ppb	2.08	3600	
52 Cr	72	1	0.38	0.38	ppb	3.48	3600	
55 Mn	72	1	2.42	2.42	ppb	1.00	18000	
59 Co	72	1	0.05	0.05	ppb	9.54	3600	
60 Ni	72	1	0.62	0.62	ppb	3.88	3600	
63 Cu	72	1	1.01	1.01	ppb	1.26	3600	
66 Zn	72	1	7.73	7.73	ppb	1.38	3600	
75 As	72	1	1.12	1.12	ppb	4.92	3600	
78 Se	72	1	0.21	0.21	ppb	61.66	3600	
95 Mo	72	1	0.54	0.54	ppb	3.48	3600	
107 Ag	115	1	0.00	0.00	ppb	53.13	3600	
111 Cd	115	1	-0.01	-0.01	ppb	65.93	3600	
118 Sn	115	1	0.18	0.18	ppb	4.79	3600	
121 Sb	115	1	0.42	0.42	ppb	3.69	3600	
137 Ba	115	1	15.39	15.39	ppb	1.08	3600	
205 Tl	165	1	0.00	0.00	ppb	31.08	3600	
208 Pb	165	1	-0.49	-0.49	ppb	3.53	3600	
232 Th	165	1	0.02	0.02	ppb	3.51	1000	
238 U	165	1	0.14	0.14	ppb	1.34	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	457041	1.32	418737	109.1	30 - 120	
45 Sc	1	2172493	1.15	2294021	94.7	30 - 120	
72 Ge	1	1281909	1.02	1350795	94.9	30 - 120	
115 In	1	4087700	0.33	4390424	93.1	30 - 120	
165 Ho	1	7723898	0.79	8046871	96.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\249SMPL.D\249SMPL.D#
Date Acquired: Apr 11 2012 03:53 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27373-g-2-a
Misc Info:
Vial Number: 4110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 11 2012 02:35 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	34.85	3600	
51 V	72	1	57.24	57.24	ppb	1.67	3600	
52 Cr	72	1	1.45	1.45	ppb	0.57	3600	
55 Mn	72	1	20.11	20.11	ppb	1.48	18000	
59 Co	72	1	0.34	0.34	ppb	1.59	3600	
60 Ni	72	1	5.11	5.11	ppb	0.52	3600	
63 Cu	72	1	2.15	2.15	ppb	0.66	3600	
66 Zn	72	1	22.18	22.18	ppb	0.96	3600	
75 As	72	1	5.02	5.02	ppb	3.06	3600	
78 Se	72	1	1.48	1.48	ppb	28.55	3600	
95 Mo	72	1	9.87	9.87	ppb	0.58	3600	
107 Ag	115	1	0.00	0.00	ppb	65.12	3600	
111 Cd	115	1	0.02	0.02	ppb	145.48	3600	
118 Sn	115	1	0.43	0.43	ppb	2.80	3600	
121 Sb	115	1	2.71	2.71	ppb	0.76	3600	
137 Ba	115	1	45.55	45.55	ppb	1.01	3600	
205 Tl	165	1	0.01	0.01	ppb	10.68	3600	
208 Pb	165	1	0.27	0.27	ppb	10.75	3600	
232 Th	165	1	0.07	0.07	ppb	3.36	1000	
238 U	165	1	1.12	1.12	ppb	0.23	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	408320	0.28	418737	97.5	30 - 120	
45 Sc	1	2037661	0.71	2294021	88.8	30 - 120	
72 Ge	1	1163067	0.72	1350795	86.1	30 - 120	
115 In	1	3783943	0.75	4390424	86.2	30 - 120	
165 Ho	1	7284179	0.50	8046871	90.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\250_CCV.D\250_CCV.D#
Date Acquired: Apr 11 2012 03:55 am
Operator: TEL
Sample Name: CCV-1353180
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:35 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.28	ppb	2.50	50	98.6	90 - 110	
51 V	72	1	52.41	ppb	1.20	50	104.8	90 - 110	
52 Cr	72	1	52.49	ppb	0.92	50	105.0	90 - 110	
55 Mn	72	1	51.20	ppb	0.12	50	102.4	90 - 110	
59 Co	72	1	52.17	ppb	0.50	50	104.3	90 - 110	
60 Ni	72	1	50.95	ppb	0.43	50	101.9	90 - 110	
63 Cu	72	1	51.59	ppb	1.22	50	103.2	90 - 110	
66 Zn	72	1	50.80	ppb	0.13	50	101.6	90 - 110	
75 As	72	1	50.66	ppb	0.42	50	101.3	90 - 110	
78 Se	72	1	51.01	ppb	2.20	50	102.0	90 - 110	
95 Mo	72	1	49.92	ppb	1.05	50	99.8	90 - 110	
107 Ag	115	1	51.81	ppb	1.40	50	103.6	90 - 110	
111 Cd	115	1	49.70	ppb	0.95	50	99.4	90 - 110	
118 Sn	115	1	48.67	ppb	1.32	50	97.3	90 - 110	
121 Sb	115	1	48.47	ppb	0.90	50	96.9	90 - 110	
137 Ba	115	1	50.20	ppb	0.53	50	100.4	90 - 110	
205 Tl	165	1	52.11	ppb	1.72	50	104.2	90 - 110	
208 Pb	165	1	51.42	ppb	1.78	50	102.8	90 - 110	
232 Th	165	1	51.21	ppb	0.55	50	102.4	90 - 110	
238 U	165	1	51.20	ppb	1.14	50	102.4	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	436382	0.21	418737	104.2	30 - 120	
45 Sc	1	2157359	0.76	2294021	94.0	30 - 120	
72 Ge	1	1281987	0.32	1350795	94.9	30 - 120	
115 In	1	4197626	0.81	4390424	95.6	30 - 120	
165 Ho	1	7670751	1.11	8046871	95.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG041012.B\251_CCB.D\251_CCB.D#
Date Acquired: Apr 11 2012 03:58 am
Operator: TEL
Sample Name: CCB-1353181
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 11 2012 02:35 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.005	ppb	173.21	1.00	
51 V	72	1	-0.003	ppb	427.02	1.00	
52 Cr	72	1	0.002	ppb	214.94	1.00	
55 Mn	72	1	0.071	ppb	25.13	1.00	
59 Co	72	1	0.005	ppb	14.49	1.00	
60 Ni	72	1	0.007	ppb	102.27	1.00	
63 Cu	72	1	-0.026	ppb	32.13	1.00	
66 Zn	72	1	0.235	ppb	11.03	1.00	
75 As	72	1	0.001	ppb	980.25	1.00	
78 Se	72	1	0.092	ppb	230.48	1.00	
95 Mo	72	1	0.001	ppb	188.11	1.00	
107 Ag	115	1	0.007	ppb	30.43	1.00	
111 Cd	115	1	0.013	ppb	44.86	1.00	
118 Sn	115	1	0.036	ppb	10.62	1.00	
121 Sb	115	1	0.039	ppb	2.21	1.00	
137 Ba	115	1	0.031	ppb	13.32	1.00	
205 Tl	165	1	0.020	ppb	22.32	1.00	
208 Pb	165	1	-0.224	ppb	7.48	1.00	
232 Th	165	1	0.070	ppb	10.70	1.00	
238 U	165	1	0.009	ppb	4.57	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	435154	0.34	418737	103.9	30 - 120	
45 Sc	1	2167743	0.29	2294021	94.5	30 - 120	
72 Ge	1	1292515	1.97	1350795	95.7	30 - 120	
115 In	1	4187477	0.47	4390424	95.4	30 - 120	
165 Ho	1	7647826	0.83	8046871	95.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG041012.B\221CALB.D\221CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

114972-6020 waters
114973-200.8
114975-soil

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ICP/MS Technical Data Review Checklist

Lab Project ID Number(s): see attached cover sheet Check Method/SOP Used: 6020/DV-MT-0018 200.8/DV-MT-0002

Review Items	--- Level 1 --- Yes	No	N/A	Level 2	Comments & Samples Affected
Tune					
1. Tune solution analyzed min. of 4 times for 6020 or 5 times for 200.8?	Y			Y	
2. Tune RSD <5%?	Y			Y	
2. Resolution ≤ 0.9 AMU full width at 10% peak height? **NOTE**: This also satisfies 200.8, 1.0 AMU at 5% peak height	Y			Y	
Initial Calibration					
1. Done with a minimum of 3 integrations of a high standard and blank?	Y			Y	
2. ICV/CCV run at beginning of run, 10% frequency, and end of run? Results with 10% of expected value?	Y			Y	
3. ICB/CCB run at beginning of run, 10% frequency, and end of run? Results +/- RL	Y			Y	
4. ICSA/AB analyzed at beginning of run and every 12 hours and results 80- 120% of TV?	Y			Y	
5. RL Std analyzed at beginning of run and results +/- 50% of TV(for AFCEE 4.0, DoD V3 +/- 20% of true value)?	Y			Y	
Client Samples & QC Sample Results					
1. Were all samples within linear range, ≤ 90% of LDR for 200.8?	Y			Y	
2. Dilutions due to target elements? N/A Dilutions for other reasons? Y	Y			Y	
3. All reported results bracketed by in control QC?	Y			Y	
4. All 6020 internal standards for all analyses 30-120% of intensities in blank or all 200.8 internal standards 60-125%?	Y			Y	
5. Was a 5X serial dilution analyzed for 6020 and, if so, are results ± 10% of original result, if original ≥ 100x MDL?	Y			Y	
6. LCS included in batch and within QC limits?	Y			Y	
7. Method blank included and <1/2RL?	Y			Y	
8. MS and MSD included in batch?	Y			Y	
9. PDS analyzed and recovery 75-125%?	Y			Y	
10. Manual calculations documented properly and checked?	Y			Y	
11. Are non-conformances documented on an NCM?	Y			Y	
12. Is the appropriate raw data included?	Y			Y	
13. Are all results manually entered into LIMS verified? Are all electronic data files archived to the appropriate network locations?	Y			Y	
14. Were special client requirements met?	Y				

1st Level Reviewer: T. Fill Date: 4/11/12

2nd Level Reviewer: DGenter Date: ~~4/11/12~~ 4/11/12 DG 4/11/12

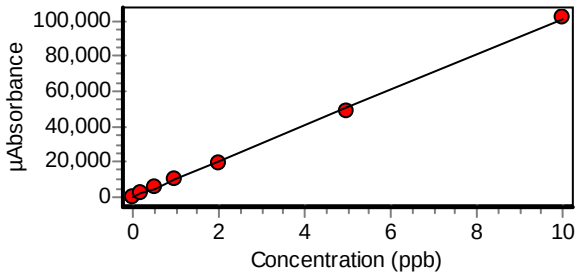
Report Generated By CETAC QuickTrace
Analyst: RawlingsB
Worksheet file: C:\Program Files\QuickTrace\Worksheets\April 2012\120404taa.wsz
Date Started: 4/4/2012 10:44:31 AM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
Cal Blank	STD	04/04/12 11:20:01 am	0.000	39	4.76		1.00	1.00	1.00
Std1	STD	04/04/12 11:24:34 am	0.200	2116	0.54		1.00	1.00	1.00
Std2	STD	04/04/12 11:26:52 am	0.500	5049	0.48		1.00	1.00	1.00
Std3	STD	04/04/12 11:29:11 am	1.000	10002	0.60		1.00	1.00	1.00
Std4	STD	04/04/12 11:31:31 am	2.000	19400	0.44		1.00	1.00	1.00
Std5	STD	04/04/12 11:33:51 am	5.000	48689	0.42		1.00	1.00	1.00
Std6	STD	04/04/12 11:36:13 am	10.000	102099	0.51		1.00	1.00	1.00

Calibration

Equation: A = -350.611 + 10152.240C
R2: 0.99944
SEE: 961.0013
Flags:



ICV 1344697	ICV	04/04/12 11:38:39 am	4.115	41428	0.54		1.00	1.00	1.00
% Recovery 102.88									
ICB	ICB	04/04/12 11:41:29 am	0.038	34	10.39		1.00	1.00	1.00
CRA 1344699	CRDL	04/04/12 11:43:47 am	0.244	2127	0.46		1.00	1.00	1.00
% Recovery 122.02									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV 1344698	CCV	04/04/12 11:46:08 am	4.875	49136	0.43		1.00	1.00
% Recovery 97.49							1.00	
CCB	CCB	04/04/12 11:48:25 am	0.037	28	5.66		1.00	1.00
							1.00	
MB 280-114151/1-A	UNK	04/04/12 11:50:42 am	0.039	45	4.61		1.00	1.00
							1.00	
LCS 280-114151/2-A	UNK	04/04/12 11:53:00 am	4.442	44749	0.48		1.00	1.00
							1.00	
280-27121-H-1-E	UNK	04/04/12 11:55:18 am	0.040	56	10.42		1.00	1.00
							1.00	
280-27145-E-1-D	UNK	04/04/12 11:57:36 am	0.063	290	1.07		1.00	1.00
							1.00	
280-27145-E-1-E MS	UNK	04/04/12 11:59:54 am	4.462	44947	0.44		1.00	1.00
							1.00	
280-27145-E-1-F MSD	UNK	04/04/12 12:02:13 pm	4.678	47139	0.39		1.00	1.00
							1.00	
280-27213-F-11-A	UNK	04/04/12 12:04:32 pm	0.039	42	7.91		1.00	1.00
							1.00	
MB 280-114152/1-A	UNK	04/04/12 12:06:51 pm	0.038	39	2.49		1.00	1.00
							1.00	
LCS 280-114152/2-A	UNK	04/04/12 12:09:11 pm	4.548	45822	0.41		1.00	1.00
							1.00	
280-27136-A-1-D	UNK	04/04/12 12:11:31 pm	0.060	262	1.14		1.00	1.00
							1.00	
CCV 1344698	CCV	04/04/12 12:13:51 pm	4.687	47236	0.48		1.00	1.00
% Recovery 93.75							1.00	
CCB	CCB	04/04/12 12:16:09 pm	0.038	33	6.54		1.00	1.00
							1.00	
280-27136-A-1-D sd@5	UNK	04/04/12 12:18:29 pm	0.043	91	2.30		1.00	1.00
							1.00	
280-27136-A-1-E MS	UNK	04/04/12 12:20:50 pm	3.998	40233	1.43		1.00	1.00
							1.00	
280-27136-A-1-F MSD	UNK	04/04/12 12:23:07 pm	4.088	41155	0.96		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27136-A-2-B	UNK	04/04/12 12:25:24 pm	0.032	-31	15.10		1.00	1.00	1.00
280-27111-E-1-F	UNK	04/04/12 12:27:42 pm	0.068	337	1.82		1.00	1.00	1.00
280-27149-F-1-F	UNK	04/04/12 12:29:59 pm	0.045	103	3.49		1.00	1.00	1.00
280-27177-E-3-E	UNK	04/04/12 12:32:17 pm	0.053	191	1.76		1.00	1.00	1.00
280-27177-E-5-C	UNK	04/04/12 12:34:36 pm	0.046	114	0.73		1.00	1.00	1.00
280-27177-E-9-C	UNK	04/04/12 12:36:55 pm	0.049	151	2.47		1.00	1.00	1.00
280-27177-E-11-C	UNK	04/04/12 12:39:15 pm	0.044	96	2.87		1.00	1.00	1.00
CCV 1344698	CCV	04/04/12 12:41:35 pm	4.681	47173	0.66		1.00	1.00	1.00
% Recovery 93.62									
CCB	CCB	04/04/12 12:43:53 pm	0.037	25	6.68		1.00	1.00	1.00
280-27123-G-11-B	UNK	04/04/12 12:46:12 pm	0.038	40	10.40		1.00	1.00	1.00
MB 280-114076/1-A	UNK	04/04/12 12:48:32 pm	0.039	47	8.44		1.00	1.00	1.00
LCS 280-114076/2-A	UNK	04/04/12 12:50:52 pm	4.551	45855	0.41		1.00	1.00	1.00
280-27218-P-1-B	UNK	04/04/12 12:53:12 pm	0.037	27	7.15		1.00	1.00	1.00
280-27209-G-1-A	UNK	04/04/12 12:55:30 pm	0.089	556	0.98		1.00	1.00	1.00
280-27222-D-1-A	UNK	04/04/12 12:57:47 pm	0.045	108	1.26		1.00	1.00	1.00
280-27222-D-1-B MS	UNK	04/04/12 01:00:05 pm	4.198	42272	0.47		1.00	1.00	1.00
280-27222-D-1-C MSD	UNK	04/04/12 01:02:23 pm	4.130	41583	1.38		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27222-D-2-A	UNK	04/04/12 01:04:41 pm	0.029	-58	2.11		1.00	1.00	1.00
280-27222-D-3-A	UNK	04/04/12 01:07:00 pm	0.048	132	3.99		1.00	1.00	1.00
CCV 1344698	CCV	04/04/12 01:09:21 pm	4.679	47151	0.48		1.00	1.00	1.00
% Recovery 93.58									
CCB	CCB	04/04/12 01:11:38 pm	0.037	21	23.29		1.00	1.00	1.00
280-27222-D-5-A	UNK	04/04/12 01:13:57 pm	0.037	25	6.48		1.00	1.00	1.00
MB 280-114074/1-A	UNK	04/04/12 01:16:17 pm	0.039	42	7.27		1.00	1.00	1.00
LCS 280-114074/2-A	UNK	04/04/12 01:18:36 pm	4.557	45910	0.39		1.00	1.00	1.00
280-27223-D-1-A	UNK	04/04/12 01:20:57 pm	0.037	26	5.49		1.00	1.00	1.00
280-27223-D-2-A	UNK	04/04/12 01:23:16 pm	0.044	96	3.49		1.00	1.00	1.00
280-27223-D-3-A	UNK	04/04/12 01:25:36 pm	0.036	18	9.75		1.00	1.00	1.00
280-27223-D-4-A	UNK	04/04/12 01:27:54 pm	0.038	35	4.41		1.00	1.00	1.00
280-27223-D-5-A	UNK	04/04/12 01:30:11 pm	0.036	20	18.92		1.00	1.00	1.00
280-27223-D-6-A	UNK	04/04/12 01:32:28 pm	0.033	-13	20.91		1.00	1.00	1.00
280-27223-D-7-A	UNK	04/04/12 01:34:46 pm	0.037	28	8.01		1.00	1.00	1.00
CCV 1344698	CCV	04/04/12 01:37:06 pm	4.701	47376	0.50		1.00	1.00	1.00
% Recovery 94.02									
CCB	CCB	04/04/12 01:39:23 pm	0.038	31	13.14		1.00	1.00	1.00
280-27223-D-8-A	UNK	04/04/12 01:41:41 pm	0.037	28	11.76		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27223-D-8-B MS	UNK	04/04/12 01:44:00 pm	4.321	43516	0.46		1.00	1.00	1.00
280-27223-D-8-C MSD	UNK	04/04/12 01:46:18 pm	4.286	43162	0.44		1.00	1.00	1.00
280-27225-G-1-A	UNK	04/04/12 01:48:37 pm	0.027	-78	2.31		1.00	1.00	1.00
280-27225-G-2-A	UNK	04/04/12 01:50:57 pm	0.038	33	7.26		1.00	1.00	1.00
280-27218-Q-1-B	UNK	04/04/12 01:53:16 pm	0.041	63	2.08		1.00	1.00	1.00
LB3 280-114097/1-B	UNK	04/04/12 01:55:36 pm	0.037	27	10.03		1.00	1.00	1.00
LCS 280-114097/2-B	UNK	04/04/12 01:57:56 pm	4.450	44827	0.87		1.00	1.00	1.00
280-27212-A-1-B	UNK	04/04/12 02:00:14 pm	0.043	85	5.65		1.00	1.00	1.00
280-27212-A-1-C MS	UNK	04/04/12 02:02:32 pm	4.623	46582	0.52		1.00	1.00	1.00
CCV 1344698	CCV	04/04/12 02:04:52 pm	4.727	47642	0.43		1.00	1.00	1.00
% Recovery 94.55									
CCB	CCB	04/04/12 02:07:10 pm	0.037	25	6.19		1.00	1.00	1.00
280-27212-A-1-D MSD	UNK	04/04/12 02:09:29 pm	4.645	46810	0.39		1.00	1.00	1.00
CCV 1344698	CCV	04/04/12 02:11:49 pm	4.767	48044	0.86		1.00	1.00	1.00
% Recovery 95.34									
CCB	CCB	04/04/12 02:14:06 pm	0.037	28	15.42		1.00	1.00	1.00

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	65.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

Method(s):

245.1 **245.1_DW**

7470A **7471A** **7471B**

Applicable QC Batches: 114770

Mercury Analysis Raw Data Checklist

Analyst's Checklist

	yes	no	n/a
1. Were the special instructions for prep and/or analysis followed?	☒	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☒	☐	☐
3. Is the blank less than the reporting limit or properly anomalized?	☒	☐	☐
4. Are the LCSs within limits or properly anomalized?	☒	☐	☐
5. Are the ICV and all CCVs within limits?	☒	☐	☐
6. Are all CCBs within ± one reporting limit from zero?	☒	☐	☐
7. Were the CCVs and CCBs run with at most 10 samples between each set?	☒	☐	☐
8. Are the reporting limits correct and reflect any dilutions?	☒	☐	☐
9. Are the benchsheets complete (including calibration and standard verification #'s)?	☒	☐	☐
10. Are all comments, footnotes, and anomalies properly documented?	☒	☐	☐
11. Are holding time violation forms completed and attached?	☒	☐	☐
12. Have all sample data been entered into LIMS?	☒	☐	☐
13. Have all QC data been entered into LIMS?	☒	☐	☐
14. Have the data entered into LIMS been checked for errors?	☒	☐	☐
15. For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☐	☐	☒
16. Are all passing CRAs set to acceptable?	☒	☐	☐
17. Is the PDF attached?	☒	☐	☐

Analyst's Name: Cynthia Avery Date: 4/5/12

Data Review's Checklist

	yes	no	n/a
1. Have the calculations been checked?	☑	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3. Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4. Are all the significant figures and reporting limits correct?	☑	☐	☐
5. Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6. Have any data errors been documented and entered into LIMS?	☐	☐	☐
7. Is prep date correct in LIMS? DMW 4/5/12	☐	☐	☐
8. If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☐	☐	☑

Reviewed by: Dyngmy Date: 4/5/12

Comments:

Anomalies:

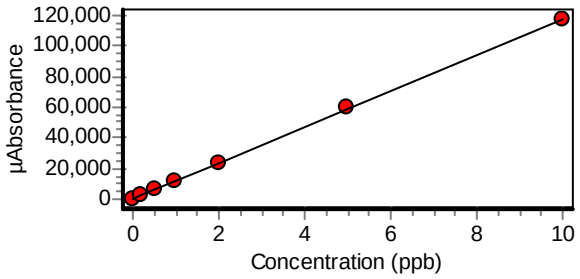
Report Generated By CETAC QuickTrace
Analyst: RawlingsB
Worksheet file: C:\Program Files\QuickTrace\Worksheets\April 2012\120403taa.wsz
Date Started: 4/3/2012 4:26:32 PM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt. ODF	Vol.
Cal Blank	STD	04/03/12 04:39:03 pm	0.000	192	1.45		1.00 1.00	1.00
Std1	STD	04/03/12 04:41:21 pm	0.200	2680	0.12		1.00 1.00	1.00
Std2	STD	04/03/12 04:43:39 pm	0.500	6484	0.56		1.00 1.00	1.00
Std3	STD	04/03/12 04:45:58 pm	1.000	12135	0.84		1.00 1.00	1.00
Std4	STD	04/03/12 04:48:18 pm	2.000	23072	0.78		1.00 1.00	1.00
Std5	STD	04/03/12 04:50:39 pm	5.000	60482	0.58		1.00 1.00	1.00
Std6	STD	04/03/12 04:52:59 pm	10.000	116915	0.64		1.00 1.00	1.00

Calibration

Equation: A = 427.717 + 11709.360C
R2: 0.99970
SEE: 817.5944
Flags:



ICV 1342858	ICV	04/03/12 04:55:42 pm	3.974	46957	0.31		1.00 1.00	1.00
% Recovery 99.34								
ICB	ICB	04/03/12 04:58:00 pm	-0.025	141	1.25		1.00 1.00	1.00
CRA 1342857	CRDL	04/03/12 05:00:18 pm	0.176	2493	0.44		1.00 1.00	1.00
% Recovery 88.19								

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV 1342855	CCV	04/03/12 05:02:38 pm	4.827	56955	0.52		1.00	1.00
% Recovery 96.55							1.00	
CCB	CCB	04/03/12 05:04:55 pm	-0.024	143	0.78		1.00	1.00
							1.00	
MB 280-113611/1-B	UNK	04/03/12 05:07:13 pm	-0.020	191	0.57		1.00	1.00
							1.00	
LCS 280-113611/2-B	UNK	04/03/12 05:09:31 pm	4.729	55797	0.04		1.00	1.00
							1.00	
280-27092-a-1-j	UNK	04/03/12 05:11:49 pm	0.581	7230	0.39		1.00	1.00
							1.00	
280-27123-a-1-k @10	UNK	04/03/12 05:14:07 pm	0.653	8078	0.48		1.00	1.00
							1.00	
280-27123-a-1-k sd@50	UNK	04/03/12 05:16:27 pm	0.117	1798	0.45		1.00	1.00
							1.00	
280-27123-a-1-l ms@10	UNK	04/03/12 05:18:45 pm	1.963	23408	0.44		1.00	1.00
							1.00	
280-27123-a-1-m msd@10	UNK	04/03/12 05:21:04 pm	1.190	14358	0.44		1.00	1.00
							1.00	
280-27123-A-2-E @20	UNK	04/03/12 05:23:23 pm	5.571	65661	1.03		1.00	1.00
							1.00	
280-27123-A-3-G	UNK	04/03/12 05:25:42 pm	1.560	18694	0.32		1.00	1.00
							1.00	
280-27123-A-4-E	UNK	04/03/12 05:28:02 pm	0.882	10750	0.65		1.00	1.00
							1.00	
CCV 1342855	CCV	04/03/12 05:30:22 pm	5.033	59357	0.20		1.00	1.00
% Recovery 100.65							1.00	
CCB	CCB	04/03/12 05:32:39 pm	-0.024	150	0.42		1.00	1.00
							1.00	
280-27123-A-5-E	UNK	04/03/12 05:34:59 pm	6.401	75373	0.06		1.00	1.00
							1.00	
280-27123-A-6-E	UNK	04/03/12 05:37:19 pm	0.259	3464	0.26		1.00	1.00
							1.00	
280-27123-A-7-E	UNK	04/03/12 05:39:40 pm	4.535	53527	0.54		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27123-A-8-E	UNK	04/03/12 05:41:57 pm	0.227	3086	0.45		1.00	1.00	1.00
280-27123-A-9-E	UNK	04/03/12 05:44:14 pm	0.877	10694	0.48		1.00	1.00	1.00
280-27123-A-10-E	UNK	04/03/12 05:46:32 pm	0.562	7011	0.24		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 05:48:52 pm	4.720	55696	0.44		1.00	1.00	1.00
% Recovery 94.40									
CCB	CCB	04/03/12 05:51:09 pm	-0.023	154	1.63		1.00	1.00	1.00
mb 280-113940/1-a	UNK	04/03/12 05:53:27 pm	-0.022	173	2.40		1.00	1.00	1.00
LCS 280-113940/2-A	UNK	04/03/12 05:55:45 pm	4.559	53815	0.19		1.00	1.00	1.00
280-27148-A-1-D	UNK	04/03/12 05:58:04 pm	0.063	1166	0.15		1.00	1.00	1.00
280-27148-A-1-E DU	UNK	04/03/12 06:00:22 pm	0.053	1047	0.25		1.00	1.00	1.00
280-27148-A-1-F MS	UNK	04/03/12 06:02:41 pm	4.490	53003	0.56		1.00	1.00	1.00
280-27148-A-2-B	UNK	04/03/12 06:05:00 pm	4.871	57467	1.39		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 06:07:20 pm	4.893	57724	0.22		1.00	1.00	1.00
% Recovery 97.86									
CCB	CCB	04/03/12 06:09:37 pm	-0.023	162	1.36		1.00	1.00	1.00
mb 280-113942/1-a	UNK	04/03/12 06:11:57 pm	-0.022	170	0.69		1.00	1.00	1.00
lcs 280-113942/2-a	UNK	04/03/12 06:14:17 pm	4.719	55684	0.22		1.00	1.00	1.00
lcsd 280-113942/3-a	UNK	04/03/12 06:16:37 pm	4.683	55259	0.02		1.00	1.00	1.00
280-27174-a-1-h	UNK	04/03/12 06:18:53 pm	0.348	4500	0.35		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27174-A-1-I MS	UNK	04/03/12 06:21:11 pm	5.036	59395	0.09		1.00	1.00	1.00
280-27174-A-1-J MSD	UNK	04/03/12 06:23:28 pm	5.283	62287	0.51		1.00	1.00	1.00
280-27174-A-2-D	UNK	04/03/12 06:25:46 pm	1.014	12302	0.34		1.00	1.00	1.00
280-27174-A-3-D	UNK	04/03/12 06:28:04 pm	1.407	16902	1.31		1.00	1.00	1.00
280-27174-A-4-D	UNK	04/03/12 06:30:22 pm	0.979	11890	0.43		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 06:32:43 pm	4.698	55437	0.22		1.00	1.00	1.00
% Recovery 93.96									
CCB	CCB	04/03/12 06:35:00 pm	-0.023	164	2.31		1.00	1.00	1.00
280-27175-A-1-D	UNK	04/03/12 06:37:19 pm	1.184	14293	0.62		1.00	1.00	1.00
280-27175-A-2-D	UNK	04/03/12 06:39:38 pm	0.783	9593	0.07		1.00	1.00	1.00
280-27175-A-3-D	UNK	04/03/12 06:41:57 pm	0.910	11088	0.27		1.00	1.00	1.00
280-27175-A-4-D	UNK	04/03/12 06:44:16 pm	0.015	605	0.10		1.00	1.00	1.00
280-27175-A-5-D	UNK	04/03/12 06:46:36 pm	0.844	10306	0.10		1.00	1.00	1.00
280-27175-A-6-D	UNK	04/03/12 06:48:56 pm	0.333	4321	0.17		1.00	1.00	1.00
280-27175-A-7-D	UNK	04/03/12 06:51:13 pm	0.445	5641	0.80		1.00	1.00	1.00
280-27175-A-8-D	UNK	04/03/12 06:53:31 pm	0.528	6607	0.24		1.00	1.00	1.00
280-27175-A-9-D	UNK	04/03/12 06:56:53 pm	0.442	5603	0.93		1.00	1.00	1.00
280-27175-A-10-D	UNK	04/03/12 06:59:11 pm	0.135	2010	0.38		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCV 1342855	CCV	04/03/12 07:01:31 pm	4.652	54905	0.18		1.00	1.00	1.00
% Recovery 93.05									
CCB	CCB	04/03/12 07:03:49 pm	-0.023	155	1.62		1.00	1.00	1.00
280-27175-A-11-D	UNK	04/03/12 07:06:07 pm	0.869	10602	0.68		1.00	1.00	1.00
280-27175-A-12-D	UNK	04/03/12 07:08:25 pm	0.615	7626	0.42		1.00	1.00	1.00
MB 280-113978/1-A	UNK	04/03/12 07:10:43 pm	-0.023	158	3.13		1.00	1.00	1.00
LCS 280-113978/2-A	UNK	04/03/12 07:13:02 pm	4.683	55262	0.16		1.00	1.00	1.00
280-27177-A-1-E	UNK	04/03/12 07:15:21 pm	0.211	2903	0.16		1.00	1.00	1.00
280-27177-A-1-F MS	UNK	04/03/12 07:17:41 pm	4.615	54466	0.22		1.00	1.00	1.00
280-27177-A-1-G MSD	UNK	04/03/12 07:20:01 pm	4.705	55525	0.18		1.00	1.00	1.00
280-27177-A-2-C	UNK	04/03/12 07:22:21 pm	0.178	2514	0.73		1.00	1.00	1.00
280-27177-A-4-C	UNK	04/03/12 07:24:39 pm	0.563	7024	0.38		1.00	1.00	1.00
280-27177-A-6-C	UNK	04/03/12 07:26:56 pm	0.483	6083	0.31		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 07:29:16 pm	4.757	56132	0.32		1.00	1.00	1.00
% Recovery 95.14									
CCB	CCB	04/03/12 07:31:33 pm	-0.023	156	1.29		1.00	1.00	1.00
280-27123-a-1-kpds @10	UNK	04/03/12 07:33:53 pm	5.202	61336	0.37		1.00	1.00	1.00
280-27177-A-7-C	UNK	04/03/12 07:36:11 pm	0.180	2533	0.02		1.00	1.00	1.00
280-27177-A-8-C	UNK	04/03/12 07:38:29 pm	0.315	4116	0.40		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27177-A-10-C	UNK	04/03/12 07:40:47 pm	0.307	4019	1.09		1.00	1.00	1.00
280-27177-A-12-C	UNK	04/03/12 07:43:05 pm	0.295	3886	0.23		1.00	1.00	1.00
280-27180-A-1-A @50	UNK	04/03/12 07:45:25 pm	-0.001	420	0.88		1.00	1.00	1.00
280-27180-A-1-A	UNK	04/03/12 07:47:44 pm	1.637	19592	0.26		1.00	1.00	1.00
280-27180-A-2-A	UNK	04/03/12 07:50:03 pm	12.670	148789	0.19	O	1.00	1.00	1.00
280-27180-A-3-A	UNK	04/03/12 07:54:22 pm	2.691	31933	0.23		1.00	1.00	1.00
280-27180-A-4-A	UNK	04/03/12 07:56:42 pm	1.312	15788	2.12		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 07:59:03 pm	4.986	58813	0.23		1.00	1.00	1.00
% Recovery 99.72									
CCB	CCB	04/03/12 08:01:20 pm	-0.026	124	0.77		1.00	1.00	1.00
280-27180-A-2-A @5	UNK	04/03/12 08:05:58 pm	2.417	28732	0.41		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 08:08:19 pm	4.929	58146	0.19		1.00	1.00	1.00
% Recovery 98.59									
CCB	CCB	04/03/12 08:10:36 pm	-0.024	150	2.73		1.00	1.00	1.00

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	60.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

Method(s):

245.1 **245.1_DW**

7470A **7471A** **7471B**

Applicable QC Batches: 114184

Mercury Analysis Raw Data Checklist

Analyst's Checklist

	yes	no	n/a
1. Were the special instructions for prep and/or analysis followed?	☒	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☒	☐	☐
3. Is the blank less than the reporting limit or properly anomalized?	☒	☐	☐
4. Are the LCSs within limits or properly anomalized?	☒	☐	☐
5. Are the ICV and all CCVs within limits?	☒	☐	☐
6. Are all CCBs within ± one reporting limit from zero?	☒	☐	☐
7. Were the CCVs and CCBs run with at most 10 samples between each set?	☒	☐	☐
8. Are the reporting limits correct and reflect any dilutions?	☒	☐	☐
9. Are the benchsheets complete (including calibration and standard verification #'s)?	☒	☐	☐
10. Are all comments, footnotes, and anomalies properly documented?	☒	☐	☐
11. Are holding time violation forms completed and attached?	☒	☐	☐
12. Have all sample data been entered into LIMS?	☒	☐	☐
13. Have all QC data been entered into LIMS?	☒	☐	☐
14. Have the data entered into LIMS been checked for errors?	☒	☐	☐
15. For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☐	☐	☒
16. Are all passing CRAs set to acceptable?	☒	☐	☐
17. Is the PDF attached?	☒	☐	☐

Analyst's Name: Cynthia Chavez Date: 4/4/12

Data Review's Checklist

	yes	no	n/a
1. Have the calculations been checked?	☑	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3. Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4. Are all the significant figures and reporting limits correct?	☑	☐	☐
5. Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6. Have any data errors been documented and entered into LIMS?	☐	☐	☐
7. Is prep date correct in LIMS? DNWZ 4/4/12	☐	☐	☐
8. If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☐	☐	☑

Reviewed by: Synthia Chavez Date: 4/4/12

Comments:

Anomalies:

Sample Name: ICIS Acquired: 4/9/2012 14:18:50 Type: Cal
Method: 6500_025(v13) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00168**	**.00050**	**-.01443**	**-.00018**	**.00059**	**-.00194**	**-.00041**	**-.00093**	**.00515**	**.00083**	**.00008**	**.00014**	**.00838**
Stddev	.00004	.00007	.00011	.00003	.00006	.00129	.00005	.00027	.00044	.00013	.00010	.00010	.00007
%RSD	2.4719	14.843	.75336	13.929	9.8703	66.256	12.328	29.456	8.5392	16.120	122.29	74.557	.79234
#1	-.00165	.00055	-.01451	-.00016	.00055	-.00103	-.00044	-.00113	.00484	.00092	.00001	.00007	.00843
#2	-.00170	.00045	-.01435	-.00020	.00063	-.00285	-.00037	-.00074	.00547	.00073	.00015	.00021	.00834

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00001**	**.00030**	**.00165**	**.00376**	**-.00007**	**-.00013**	**.00004**	**.00553**	**-.00564**	**-.00023**	**-.00008**	**-.00020**	**.00004**
Stddev	.00019	.00022	.00043	.00085	.00007	.00004	.00002	.00121	.00017	.00009	.00006	.00021	.00012
%RSD	1381.5	71.741	26.240	22.675	93.883	34.549	60.188	21.819	2.9961	37.963	81.527	101.83	279.59
#1	-.00015	.00015	.00195	.00436	-.00012	-.00010	.00002	.00468	-.00576	-.00029	-.00013	-.00035	-.00004
#2	.00012	.00045	.00134	.00315	-.00002	-.00016	.00005	.00639	-.00552	-.00017	-.00003	-.00006	.00013

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00064**	**.00030**	**.00096**	**.00096**	**.00003**	**-.00053**	**-.00017**	**-.00035**	**-.00021**	**.00000**	**.00020**	**.00001**	**-.00041**
Stddev	.00001	.00014	.00035	.00035	.00011	.00039	.00001	.00013	.00012	.0001	.00001	.00001	.00039
%RSD	1.2856	47.354	35.849	35.849	327.90	73.537	3.5707	37.534	57.564	1635.1	5.0988	199.92	97.070
#1	.00064	.00040	.00121	.00121	-.00004	-.00025	-.00016	-.00025	-.00012	-.00005	.00020	.00001	-.00069
#2	.00063	.00020	.00072	.00072	.00011	-.00081	-.00017	-.00044	-.00029	.00004	.00021	.00000	-.00013

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3922.4**	**63267.**	**6104.4**
Stddev	2.1	577.	7.9
%RSD	.05293	.91188	.13017
#1	3920.9	62859.	6098.8
#2	3923.9	63675.	6110.0

Sample Name: ICAL1 Acquired: 4/9/2012 14:21:17 Type: Cal
Method: 6500_025(v13) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.28120**	**.20310**	**.07651**	**.29791**	**5.3693**	**7.0190**	**1.7826**	**1.5728**	**.92443**	**.91999**	**.35309**	**.62201**	**3.6763**	**1.4734**
Stddev	.00349	.00152	.00050	.00044	.0463	.0862	.0203	.0055	.00312	.00392	.00536	.00541	.0284	.0166
%RSD	1.2407	.74866	.65857	.14925	.86162	1.2279	1.1366	.35082	.33745	.42593	1.5182	.86916	.77361	1.1280
#1	.28367	.20203	.07615	.29759	5.3366	6.9581	1.7683	1.5689	.92222	.91722	.35688	.61819	3.6562	1.4617
#2	.27873	.20418	.07686	.29822	5.4020	7.0799	1.7969	1.5767	.92663	.92276	.34930	.62584	3.6965	1.4852

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.0458**	**1.1552**	**.45610**	**1.2992**	**.68746**	**.09032**	**.47005**	**.20657**	**.06830**	**.29517**	**.29517**	**.18341**	**10.465**	**.39242**
Stddev	.0150	.0166	.00083	.0144	.00190	.00053	.00073	.00063	.00017	.00461	.00461	.00076	.093	.00514
%RSD	1.4366	1.4348	.18271	1.1117	.27617	.58382	.15468	.30406	.25583	1.5605	1.5605	.41443	.88619	1.3092
#1	1.0564	1.1669	.45551	1.2890	.68612	.08994	.46954	.20701	.06817	.29191	.29191	.18287	10.399	.39605
#2	1.0352	1.1435	.45669	1.3094	.68881	.09069	.47056	.20612	.06842	.29843	.29843	.18395	10.531	.38879

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.15393**	**.25095**	**.02654**	**.29443**
Stddev	.00064	.00351	.00036	.00305
%RSD	.41603	1.4000	1.3664	1.0372
#1	.15347	.25343	.02680	.29227
#2	.15438	.24846	.02629	.29659

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3815.9**	**60868.**	**6103.6**
Stddev	9.7	481.	42.8
%RSD	.25336	.79044	.70149
#1	3822.7	60528.	6133.9
#2	3809.1	61208.	6073.3

Sample Name: ICAL2 Acquired: 4/9/2012 14:23:28 Type: Cal
Method: 6500_025(v13) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.3515**	**.25038**	**.65736**	**2.3318**	**.29585**	**.51845**	**.13037**
Stddev	.0148	.00054	.00300	.0083	.00070	.00189	.00002
%RSD	.33962	.21736	.45689	.35515	.23759	.36438	.01916
#1	4.3619	.24999	.65949	2.3376	.29635	.51978	.13039
#2	4.3410	.25076	.65524	2.3259	.29535	.51711	.13036

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3731.2**	**59094.**	**6130.8**
Stddev	10.6	168.	23.0
%RSD	.28367	.28429	.37579
#1	3738.7	58975.	6114.5
#2	3723.7	59213.	6147.1

Sample Name: S1-1351344 Acquired: 4/9/2012 14:25:54 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0024**	**.99090**	**1.9674**	**.98802**	**1.0040**	**.99642**	**-.00503**	**9.9172**	**.99358**	**.99325**	**.99443**	**1.0002**	**4.9853**
Stddev	.0068	.00163	.0016	.00109	.0015	.00052	.00338	.0188	.00088	.00122	.00231	.0057	.0044
%RSD	.67648	.16497	.08293	.10983	.14847	.05254	67.193	.18912	.08884	.12330	.23199	.56880	.08859
#1	.99760	.99206	1.9662	.98879	1.0050	.99679	-.00264	9.9304	.99420	.99411	.99606	.99617	4.9885
#2	1.0072	.98975	1.9685	.98725	1.0029	.99605	-.00742	9.9039	.99296	.99238	.99280	1.0042	4.9822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**100.49**	**2.0050**	**40.043**	**1.0053**	**.99402**	**10.022**	**10.141**	**.99196**	**1.9671**	**1.9652**	**.00727**	**1.9808**	**1.9838**
Stddev	.18	.0017	.114	.0026	.00014	.009	.185	.00129	.0015	.0006	.00120	.0056	.0126
%RSD	.17789	.08553	.28553	.26225	.01413	.09418	1.8275	.13005	.07663	.03097	16.505	.28354	.63315
#1	100.62	2.0062	39.962	1.0035	.99412	10.029	10.272	.99287	1.9682	1.9648	.00642	1.9848	1.9926
#2	100.36	2.0038	40.124	1.0072	.99392	10.016	10.010	.99105	1.9661	1.9656	.00812	1.9768	1.9749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9367**	**21.264**	**1.9896**	**1.0035**	**.02563**	**.99969**	**1.9920**	**.00808**	**1.0015**	**1.0020**	**.99167**
Stddev	.0246	.053	.0020	.0015	.00063	.00313	.0043	.00580	.0002	.0020	.00136
%RSD	.24753	.24753	.09897	.15351	2.4665	.31337	.21678	71.825	.01873	.20262	.13746
#1	9.9541	21.302	1.9910	1.0046	.02519	.99748	1.9950	.00398	1.0014	1.0035	.99071
#2	9.9193	21.227	1.9882	1.0024	.02608	1.0019	1.9889	.01219	1.0016	1.0006	.99264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3830.9**	**60313.**	**6092.9**
Stddev	5.3	209.	28.2
%RSD	.13780	.34676	.46206
#1	3834.6	60461.	6073.0
#2	3827.1	60165.	6112.8

Sample Name: S2-1338466 Acquired: 4/9/2012 14:28:05 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00687	100.56	-.00040	.00432	.00081	.00019	1.9748	-.00861	-.00006	.00094	.00132	.01291	100.27
Stddev	.00011	.48	.00266	.00059	.00024	.00005	.0067	.00115	.00003	.00014	.00046	.00053	.42
%RSD	1.5828	.48209	672.57	13.640	30.033	27.498	.34043	13.303	48.257	15.422	34.351	4.1123	.41573
#1	.00679	100.21	-.00228	.00391	.00098	.00015	1.9700	-.00942	-.00004	.00083	.00165	.01254	99.973
#2	.00695	100.90	.00149	.00474	.00064	.00022	1.9795	-.00780	-.00007	.00104	.00100	.01329	100.56
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09168	.00048	.05157	.00025	.00107	502.59	.00387	.00828	-.00459	9.9539	.00162	-.00926	.03044
Stddev	.02501	.00089	.00127	.00001	.00057	2.31	.00008	.00141	.00160	.0477	.00089	.00215	.00159
%RSD	27.275	184.97	2.4692	2.3979	53.439	.45908	2.0660	17.072	34.884	.47947	54.786	23.240	5.2366
#1	.10937	-.00015	.05247	.00026	.00067	500.96	.00393	.00728	-.00572	9.9202	.00225	-.01078	.03156
#2	.07400	.00112	.05067	.00025	.00148	504.23	.00382	.00928	-.00346	9.9877	.00100	-.00774	.02931
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06514	.00518	.00090	9.8433	-.00047	.00189	20.125	.00729	.00098	-.38785
Stddev	.00341	.00053	.00000	.0328	.00013	.00022	.039	.00032	.00039	.00085
%RSD	5.2366	10.164	.49984	.33342	27.566	11.495	.19612	4.4195	39.494	.21904
#1	.06755	.00556	.00090	9.8665	-.00038	.00174	20.153	.00707	.00125	-.38845
#2	.06272	.00481	.00091	9.8201	-.00056	.00204	20.097	.00752	.00070	-.38725
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3754.0	58864.	6066.1
Stddev	7.9	97.	24.7
%RSD	.20925	.16447	.40720
#1	3759.6	58795.	6083.6
#2	3748.5	58932.	6048.7

Sample Name: ICVH-1338471 Acquired: 4/9/2012 14:30:32 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**40.114**	**.00047**	**.00209**	**.00012**	**.00000**	W **.52921**	**38.699**	**-.00006**	**.00092**	**.00110**	**.00360**
Stddev	.00014	.032	.00216	.00020	.00004	.0000	.00350	.030	.00005	.00015	.00003	.00009
%RSD	6.8832	.07908	459.69	9.4463	31.949	1179.1	.66078	.07736	79.019	15.974	2.3151	2.5673
#1	.00212	40.092	.00199	.00195	.00015	-.00004	.52674	38.677	-.00010	.00081	.00112	.00354
#2	.00193	40.137	-.00106	.00223	.00009	.00003	.53169	38.720	-.00003	.00102	.00108	.00367
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**79.316**	**.04570**	**.00008**	**.01705**	**.00056**	**-.00089**	**40.865**	**.00051**	**.00461**	**-.00167**	**3.8696**	**-.00261**
Stddev	.007	.00812	.00091	.00113	.00001	.00025	.121	.00039	.00133	.00062	.0138	.00152
%RSD	.00822	17.771	1090.1	6.6290	.92298	28.335	.29555	77.311	28.858	37.309	.35601	58.197
#1	79.321	.05144	-.00056	.01784	.00056	-.00107	40.779	.00078	.00555	-.00123	3.8794	-.00153
#2	79.311	.03996	.00073	.01625	.00056	-.00071	40.950	.00023	.00367	-.00212	3.8599	-.00368
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.01091**	**.02334**	**.00204**	**.00042**	**2.8874**	**.00062**	**.00180**	**4.9983**	**.00273**	**2.4457**	**-.11453**
Stddev	.00324	.00246	.00527	.00029	.00008	.0146	.00025	.00022	.0302	.00029	.0133	.00081
%RSD	1050.4	22.561	22.561	13.998	18.254	.50640	40.322	12.032	.60368	10.518	.54182	.70362
#1	.00260	.01265	.02706	.00183	.00048	2.8977	.00044	.00196	5.0197	.00293	2.4550	-.11396
#2	-.00198	.00917	.01962	.00224	.00037	2.8770	.00080	.00165	4.9770	.00253	2.4363	-.11510
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3917.5**	**62057.**	**6144.5**
Stddev	9.4	190.	26.5
%RSD	.24072	.30578	.43047
#1	3924.2	61923.	6163.2
#2	3910.8	62192.	6125.8

Sample Name: X Acquired: 4/9/2012 14:33:44 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24565**	**.25599**	W **.23471**	W **.23556**	**.25128**	**.23998**	**-.00030**	**1.9871**	**.24228**	**.24448**	**.24604**	**.25083**
Stddev	.00070	.00096	.00447	.00029	.00009	.00063	.00176	.0030	.00055	.00052	.00015	.00205
%RSD	.28362	.37423	1.9047	.12500	.03515	.26316	578.74	.15046	.22574	.21365	.06026	.81774
#1	.24515	.25531	.23787	.23536	.25121	.23953	.00094	1.9850	.24267	.24485	.24614	.24938
#2	.24614	.25667	.23155	.23577	.25134	.24042	-.00155	1.9892	.24190	.24411	.24593	.25228
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.25000	.25000								
Range			-5.4900%	-5.4900%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25203**	**20.196**	**.25430**	**9.6162**	**.24717**	**.24010**	**2.0404**	**.24727**	W **1.8445**	**.24574**	**.00490**	**.23642**
Stddev	.00114	.134	.00176	.0369	.00122	.00039	.0117	.00048	.0052	.00026	.00201	.00486
%RSD	.45370	.66428	.69199	.38351	.49202	.16213	.57129	.19298	.27953	.10487	41.147	2.0543
#1	.25122	20.101	.25305	9.5901	.24631	.24038	2.0322	.24761	1.8481	.24556	.00632	.23299
#2	.25284	20.291	.25554	9.6423	.24803	.23983	2.0487	.24693	1.8408	.24592	.00347	.23986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass
Value									2.0000			
Range									-5.4900%			

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47996**	**1.9719**	**4.2199**	**.49193**	**.24854**	**.00758**	**.24165**	**.51264**	**-.02755**	**.24396**	**.24011**	**.23854**
Stddev	.00702	.0040	.0085	.00191	.00013	.00088	.00097	.00018	.00309	.00160	.00186	.00066
%RSD	1.4621	.20244	.20244	.38839	.05047	11.571	.40192	.03603	11.227	.65626	.77258	.27707
#1	.48492	1.9691	4.2138	.49328	.24863	.00696	.24096	.51277	-.02536	.24282	.23880	.23901
#2	.47500	1.9747	4.2259	.49058	.24845	.00820	.24234	.51251	-.02974	.24509	.24142	.23808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3926.9**	**63046.**	**6058.3**
Stddev	.1	190.	46.0
%RSD	.00234	.30202	.75889
#1	3926.8	63180.	6090.8
#2	3926.9	62911.	6025.8

Sample Name: ICV-1332160 Acquired: 4/9/2012 14:39:05 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25410**	W **.26961**	**.24218**	**.24600**	**.25543**	**.24789**	**.00092**	**2.0402**	**.25043**	**.25275**	**.25056**	**.25448**
Stddev	.00076	.00017	.00002	.00018	.00271	.00350	.00257	.0302	.00109	.00034	.00116	.00032
%RSD	.29817	.06127	.00951	.07216	1.0599	1.4108	279.46	1.4788	.43461	.13340	.46468	.12684
#1	.25464	.26972	.24220	.24587	.25734	.25036	.00274	2.0615	.24966	.25251	.24973	.25471
#2	.25356	.26949	.24217	.24613	.25351	.24542	-.00090	2.0189	.25120	.25299	.25138	.25426
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.27089**	**20.517**	**.25914**	**10.001**	**.25686**	**.24486**	**2.0522**	**.25285**	**1.9187**	**.25557**	**.00345**	**.24611**
Stddev	.00448	.206	.00457	.006	.00037	.00024	.0408	.00041	.0075	.00067	.00198	.00306
%RSD	1.6541	1.0035	1.7636	.05823	.14231	.09902	1.9881	.16374	.39226	.26278	57.230	1.2442
#1	.27406	20.663	.26237	10.005	.25712	.24469	2.0810	.25256	1.9134	.25605	.00485	.24394
#2	.26773	20.372	.25591	9.9964	.25661	.24503	2.0233	.25314	1.9241	.25510	.00206	.24827
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	.25000											
Range	5.4900%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49658**	**2.0028**	**4.2861**	**.50532**	**.25643**	**.00714**	**.24836**	**.52524**	**-.00589**	**.24940**	**.25222**	**.24430**
Stddev	.00016	.0067	.0144	.00259	.00259	.00016	.00109	.00459	.02417	.00094	.00089	.00412
%RSD	.03147	.33559	.33559	.51295	1.0084	2.3109	.44065	.87380	410.08	.37771	.35137	1.6849
#1	.49669	2.0076	4.2963	.50715	.25826	.00725	.24759	.52200	.01120	.25007	.25160	.24721
#2	.49647	1.9981	4.2759	.50349	.25461	.00702	.24913	.52849	-.02298	.24874	.25285	.24139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3911.6**	**61958.**	**5973.6**
Stddev	2.4	84.	88.7
%RSD	.06126	.13519	1.4857
#1	3913.3	62017.	5910.8
#2	3909.9	61899.	6036.3

Sample Name: ICV-1332160 Acquired: 4/9/2012 14:41:35 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25461	W .26841	.24016	.24360	.25503	.24668	.00094	2.0271	.24944	.25159	.24958	.25415
Stddev	.00225	.00102	.00255	.00021	.00180	.00215	.00016	.0022	.00008	.00023	.00033	.00135
%RSD	.88473	.38081	1.0631	.08506	.70672	.87045	17.449	.10756	.03163	.09203	.13129	.53084
#1	.25302	.26768	.23836	.24374	.25630	.24819	.00083	2.0286	.24949	.25175	.24981	.25319
#2	.25620	.26913	.24197	.24345	.25375	.24516	.00106	2.0255	.24938	.25143	.24935	.25510
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .27264	20.501	.25614	10.008	.25707	.24435	2.0611	.25160	1.9096	.25592	.00815	.24036
Stddev	.00003	.148	.00225	.058	.00172	.00056	.0299	.00016	.0002	.00179	.00265	.00036
%RSD	.01187	.72095	.88028	.57604	.66823	.22727	1.4502	.06435	.01103	.69981	32.474	.15028
#1	.27266	20.606	.25773	9.9672	.25586	.24395	2.0822	.25149	1.9094	.25719	.00628	.24010
#2	.27262	20.397	.25454	10.049	.25829	.24474	2.0399	.25171	1.9097	.25466	.01002	.24061
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	.25000											
Range	5.4900%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49594	2.0046	4.2899	.50618	.25643	.00682	.24850	.52313	-.00132	.24991	.25351	.24317
Stddev	.00076	.0219	.0469	.00138	.00239	.00071	.00065	.00141	.01449	.00064	.00027	.00407
%RSD	.15313	1.0922	1.0922	.27267	.93383	10.429	.26010	.26953	1098.1	.25572	.10847	1.6740
#1	.49648	2.0201	4.3231	.50520	.25812	.00732	.24804	.52413	-.01157	.24945	.25331	.24604
#2	.49540	1.9892	4.2568	.50716	.25474	.00631	.24896	.52214	.00893	.25036	.25370	.24029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3937.8	62288.	6006.4
Stddev	9.4	277.	31.4
%RSD	.23760	.44494	.52293
#1	3931.2	62484.	5984.1
#2	3944.4	62092.	6028.6

Sample Name: ICVL1351092 Acquired: 4/9/2012 14:45:07 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01045**	**.10673**	**.01536**	**.09394**	**.01032**	**.00110**	**.10719**	**.20517**	**.00513**	**.01015**	**.01022**	**.01523**	**.10525**	**3.1381**
Stddev	.00029	.00070	.00081	.00003	.00023	.00004	.00323	.00433	.00006	.00005	.00016	.00029	.00027	.0219
%RSD	2.7637	.65555	5.3013	.03127	2.2207	3.7249	3.0105	2.1117	1.0768	.50279	1.6014	1.9200	.25321	.69714
#1	.01025	.10722	.01594	.09396	.01048	.00113	.10947	.20824	.00516	.01012	.01033	.01544	.10507	3.1536
#2	.01066	.10623	.01478	.09392	.01016	.00107	.10491	.20211	.00509	.01019	.01010	.01502	.10544	3.1226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00986**	**.20759**	**.01056**	**.01937**	**1.0745**	**.04133**	**2.7535**	**.01103**	**.00164**	**.01006**	**.01610**	**.47773**	**1.0223**	**.10191**
Stddev	.00054	.00275	.00015	.00031	.0090	.00005	.0052	.00005	.00030	.00218	.00451	.00217	.0046	.00044
%RSD	5.4501	1.3249	1.4540	1.6188	.83345	.12942	.18808	.45449	18.219	21.714	28.003	.45511	.45511	.43478
#1	.00948	.20953	.01067	.01959	1.0808	.04137	2.7498	.01099	.00185	.00852	.01929	.47619	1.0191	.10222
#2	.01024	.20564	.01045	.01915	1.0682	.04130	2.7572	.01106	.00143	.01161	.01291	.47927	1.0256	.10159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01036**	**.01508**	**.00988**	**.01742**	**.06909**	**.01026**	**.02153**	**.01391**
Stddev	.00015	.00053	.00001	.00047	.00594	.00001	.00043	.00026
%RSD	1.4499	3.4849	.11384	2.7185	8.6007	.14483	1.9961	1.8343
#1	.01047	.01545	.00989	.01775	.06488	.01025	.02183	.01373
#2	.01025	.01471	.00988	.01708	.07329	.01027	.02122	.01409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3997.7**	**63805.**	**6077.4**
Stddev	5.6	463.	31.3
%RSD	.13943	.72506	.51475
#1	4001.6	63478.	6055.3
#2	3993.7	64132.	6099.5

Sample Name: CCVH-1338467 Acquired: 4/9/2012 14:48:15 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00336**	**50.665**	**-.00355**	**.00237**	**.00023**	**.00011**	**1.0052**	**-.00366**	**-.00005**	**.00030**	**.00118**	**.00597**	**51.055**
Stddev	.00005	.398	.00231	.00018	.00027	.00008	.0026	.00347	.00006	.00012	.00003	.00022	.486
%RSD	1.5020	.78526	65.011	7.6125	115.74	73.349	.25563	94.937	119.66	40.555	2.8474	3.6370	.95229
#1	.00332	50.947	-.00192	.00224	.00004	.00017	1.0070	-.00611	-.00009	.00021	.00120	.00582	51.399
#2	.00339	50.384	-.00518	.00250	.00042	.00005	1.0034	-.00120	-.00001	.00038	.00115	.00612	50.712
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04067**	**-.00031**	**.02239**	**.00002**	**-.00066**	**253.73**	**.00217**	**.00239**	**-.00025**	**4.9156**	**-.00255**	**-.00696**	**.02105**
Stddev	.00070	.00211	.00183	.00005	.00021	2.00	.00046	.00035	.00090	.0091	.00132	.00188	.00525
%RSD	1.7319	680.47	8.1797	248.10	32.180	.79004	21.034	14.524	358.15	.18463	51.706	27.064	24.928
#1	.04017	-.00180	.02369	.00005	-.00051	255.14	.00185	.00264	.00039	4.9220	-.00162	-.00830	.01734
#2	.04117	.00118	.02110	-.00001	-.00081	252.31	.00250	.00215	-.00089	4.9092	-.00348	-.00563	.02476
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04506**	**.00239**	**.00036**	**4.8830**	**.00011**	**.00103**	**10.184**	**.00418**	**.00169**	**-.19131**
Stddev	.01123	.00165	.00001	.0348	.00002	.00044	.040	.00018	.00011	.00270
%RSD	24.928	69.015	2.2004	.71336	19.219	42.779	.39438	4.2893	6.5205	1.4123
#1	.03711	.00122	.00035	4.9076	.00012	.00072	10.212	.00406	.00161	-.19322
#2	.05300	.00355	.00036	4.8584	.00009	.00134	10.155	.00431	.00177	-.18939
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3850.2**	**60675.**	**6130.9**
Stddev	.9	338.	54.0
%RSD	.02268	.55760	.88085
#1	3849.6	60435.	6092.7
#2	3850.9	60914.	6169.1

Sample Name: CCV-1343805 Acquired: 4/9/2012 14:50:36 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51163**	**.51898**	**1.0016**	**.50928**	**.50735**	**.49922**	**-.00111**	**5.0626**	**.50520**	**.50427**	**.50003**	**.50667**	**2.5444**
Stddev	.00280	.00268	.0016	.00051	.00439	.00349	.00106	.0326	.00100	.00038	.00111	.00216	.0223
%RSD	.54708	.51613	.15655	.09928	.86456	.69873	95.444	.64365	.19749	.07546	.22240	.42630	.87483
#1	.50965	.52087	1.0005	.50964	.51045	.50169	-.00036	5.0856	.50590	.50454	.50082	.50514	2.5601
#2	.51361	.51708	1.0027	.50892	.50425	.49676	-.00186	5.0395	.50449	.50400	.49924	.50820	2.5287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.928**	**1.0139**	**20.295**	**.50284**	**.49521**	**5.0814**	**.50584**	**.99564**	**1.0208**	**.00643**	**1.0132**	**1.0319**	**5.0024**
Stddev	.280	.0080	.189	.00488	.00132	.0581	.00172	.00133	.0011	.00262	.0025	.0020	.0321
%RSD	.55056	.78477	.93281	.97016	.26633	1.1442	.33965	.13375	.11134	40.726	.24851	.19686	.64230
#1	51.127	1.0196	20.161	.49939	.49615	5.1225	.50706	.99470	1.0200	.00458	1.0150	1.0304	5.0251
#2	50.730	1.0083	20.428	.50629	.49428	5.0403	.50463	.99658	1.0217	.00829	1.0114	1.0333	4.9796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.705**	**1.0122**	**.50251**	**.01455**	**.49566**	**1.0440**	**-.01209**	**.49783**	**.50118**	**.49333**
Stddev	.069	.0012	.00421	.00070	.00287	.0027	.01211	.00505	.00557	.00307
%RSD	.64230	.11313	.83847	4.7913	.57821	.25836	100.16	1.0153	1.1108	.62295
#1	10.754	1.0130	.50549	.01505	.49363	1.0459	-.02065	.49425	.49725	.49551
#2	10.656	1.0114	.49953	.01406	.49769	1.0421	-.00353	.50140	.50512	.49116
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3936.7**	**62449.**	**6117.1**
Stddev	4.8	405.	54.6
%RSD	.12281	.64892	.89327
#1	3933.3	62735.	6078.4
#2	3940.2	62162.	6155.7

Sample Name: ICB Acquired: 4/9/2012 14:52:49 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00029**	**-.00094**	**.00068**	**.00013**	**.00009**	**.00251**	**.00376**	**.00001**	**-.00010**	**.00007**	**-.00014**	**.00189**
Stddev	.00035	.00032	.00151	.00031	.00003	.00001	.00292	.00148	.00014	.00037	.00008	.00016	.00473
%RSD	54.963	111.53	160.75	46.010	22.314	15.847	116.43	39.282	1683.9	378.84	117.52	116.59	250.63
#1	.00039	.00052	-.00200	.00046	.00011	.00008	.00458	.00272	.00010	.00016	.00013	-.00002	-.00146
#2	.00088	.00006	.00013	.00090	.00015	.00010	.00044	.00481	-.00009	-.00036	.00001	-.00026	.00523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03668**	**-.00123**	**.00522**	**.00007**	**.00112**	**.01444**	**-.00016**	**.00010**	**.00158**	**.00345**	**.00003**	**-.00137**	**.00148**
Stddev	.00371	.00001	.00007	.00004	.00066	.01132	.00004	.00051	.00160	.00039	.00277	.00058	.00404
%RSD	10.105	.77675	1.2721	57.474	58.591	78.417	27.595	507.65	101.25	11.379	8267.6	42.280	272.33
#1	.03406	-.00123	.00517	.00010	.00066	.02245	-.00013	-.00026	.00271	.00373	-.00193	-.00096	.00434
#2	.03930	-.00122	.00526	.00004	.00159	.00643	-.00019	.00046	.00045	.00318	.00199	-.00178	-.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00317**	**.00078**	**.00008**	**-.00018**	**.00030**	**.00055**	**-.01026**	**.00004**	**.00182**	**.00041**
Stddev	.00864	.00020	.00012	.00137	.00008	.00024	.00460	.00020	.00011	.00076
%RSD	272.33	25.775	151.81	752.70	26.397	42.937	44.884	561.27	5.8883	186.56
#1	.00928	.00064	-.00001	.00078	.00024	.00038	-.01351	-.00011	.00189	.00094
#2	-.00294	.00092	.00016	-.00115	.00035	.00072	-.00700	.00018	.00174	-.00013
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3960.4**	**63059.**	**6092.7**
Stddev	19.0	253.	5.2
%RSD	.47893	.40055	.08604
#1	3947.0	62880.	6096.4
#2	3973.8	63238.	6089.0

Sample Name: CRI-1351090 Acquired: 4/9/2012 14:55:14 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01132**	**.10868**	**.01120**	**.09763**	**.00546**	**.00107**	**.10884**	**.21333**	**.00506**	**.00522**	**.01035**	**.01041**
Stddev	.00021	.00007	.00119	.00012	.00008	.00010	.00384	.00251	.00008	.00003	.00005	.00021
%RSD	1.8240	.06630	10.652	.12191	1.5037	9.5657	3.5241	1.1757	1.5200	.54844	.49624	1.9741
#1	.01118	.10873	.01204	.09772	.00540	.00100	.11155	.21156	.00511	.00524	.01039	.01026
#2	.01147	.10863	.01035	.09755	.00552	.00115	.10613	.21510	.00501	.00520	.01031	.01055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03329**	**1.0627**	W **.01216**	**.21199**	**.00330**	**.01028**	**1.0790**	**.01058**	**.95838**	**.00323**	**.09682**	**.00988**
Stddev	.00047	.0163	.00035	.00262	.00001	.00006	.0085	.00009	.00809	.00001	.00185	.00015
%RSD	1.4149	1.5348	2.8606	1.2351	.20338	.54704	.78900	.82481	.84453	.22310	1.9094	1.4975
#1	.03296	1.0512	.01241	.21384	.00331	.01032	1.0730	.01052	.96410	.00322	.09551	.00998
#2	.03363	1.0742	.01192	.21014	.00330	.01024	1.0850	.01065	.95266	.00323	.09813	.00977
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000									
Range			20.490%									

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00944**	**.49523**	**1.0598**	**.02156**	**.00538**	**.01098**	**.00996**	**.01159**	**.05417**	**.01006**	**.01162**	**.00944**
Stddev	.00276	.00570	.0122	.00090	.00014	.00011	.00013	.00067	.00134	.00005	.00035	.00053
%RSD	29.228	1.1513	1.1513	4.1666	2.5269	.97884	1.2688	5.7475	2.4708	.48956	2.9860	5.5859
#1	.00749	.49120	1.0512	.02220	.00528	.01090	.01005	.01112	.05323	.01010	.01187	.00982
#2	.01139	.49926	1.0684	.02093	.00548	.01105	.00987	.01206	.05512	.01003	.01138	.00907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4026.3**	**63916.**	**6122.0**
Stddev	7.1	471.	39.8
%RSD	.17754	.73674	.65026
#1	4021.2	63583.	6150.1
#2	4031.4	64249.	6093.8

Sample Name: X Acquired: 4/9/2012 14:57:39 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**514.22**	**-.00168**	**-.00138**	**.00031**	**.00006**	**.00416**	**472.91**	**.00023**	**-.00024**	W **.00305**	W **.00406**
Stddev	.00043	.53	.00713	.00014	.00010	.00005	.00115	6.82	.00036	.00019	.00010	.00037
%RSD	88.145	.10210	423.65	9.9253	34.221	84.403	27.616	1.4419	156.08	81.801	3.3686	9.1548
#1	.00018	514.59	-.00673	-.00128	.00038	.00002	.00335	468.09	.00048	-.00037	.00312	.00432
#2	.00079	513.85	.00336	-.00148	.00023	.00009	.00497	477.73	-.00002	-.00010	.00298	.00380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit											.00133	.00272
Low Limit											-.00133	-.00272

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**194.13**	**.05922**	**.00229**	**501.04**	**-.00046**	**-.00320**	**.12870**	**-.00181**	**-.00319**	W **.00627**	**.01448**	**.00062**
Stddev	.09	.08721	.00063	4.20	.00004	.00040	.06646	.00018	.00020	.00226	.00365	.00459
%RSD	.04754	147.28	27.539	.83848	7.8317	12.419	51.640	10.074	6.1969	36.078	25.210	742.00
#1	194.20	-.00245	.00273	498.07	-.00048	-.00292	.08171	-.00168	-.00333	.00787	.01190	-.00263
#2	194.07	.12088	.00184	504.01	-.00043	-.00348	.17570	-.00194	-.00305	.00467	.01706	.00387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit										.00500		
Low Limit										-.00500		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00721**	**-.01005**	**-.02150**	**.00008**	W **.00191**	**-.00548**	**.00071**	**.00425**	**.01998**	**.00165**	**.00177**	**-.00183**
Stddev	.00762	.00134	.00287	.00253	.00006	.00378	.00014	.00263	.00816	.00022	.00007	.00128
%RSD	105.70	13.358	13.358	3198.6	2.9695	69.035	19.434	61.901	40.853	13.197	4.2144	70.003
#1	.01259	-.01100	-.02354	-.00171	.00195	-.00280	.00081	.00610	.01421	.00180	.00172	-.00273
#2	.00182	-.00910	-.01947	.00187	.00187	-.00815	.00062	.00239	.02575	.00149	.00182	-.00092
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00050							
Low Limit					-.00050							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3523.9**	**54008.**	**6051.0**
Stddev	16.9	47.	5.1
%RSD	.47955	.08639	.08511
#1	3535.8	53975.	6047.3
#2	3511.9	54041.	6054.6

Sample Name: ICSA-1333972 Acquired: 4/9/2012 15:03:02 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**507.38**	**.00006**	**-.00283**	**.00036**	**.00013**	**.00454**	**462.19**	**.00013**	**-.00048**	W **.00302**	W **.00437**
Stddev	.00026	.48	.01020	.00016	.00017	.00006	.00151	3.96	.00001	.00019	.00018	.00066
%RSD	34.688	.09367	16541.	5.8056	47.560	48.249	33.255	.85685	10.677	38.932	5.8524	15.018
#1	.00094	507.04	-.00715	-.00271	.00049	.00009	.00348	464.99	.00014	-.00061	.00289	.00391
#2	.00057	507.72	.00728	-.00294	.00024	.00017	.00561	459.39	.00012	-.00035	.00314	.00484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit											.00133	.00272
Low Limit											-.00133	-.00272

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**191.44**	**.05513**	**.00242**	**497.24**	**-.00037**	**-.00302**	W **.19801**	**-.00159**	**-.00450**	**.00251**	**.01604**	**-.00179**
Stddev	.06	.01959	.00112	2.82	.00003	.00005	.00424	.00007	.00222	.00025	.00204	.00111
%RSD	.03227	35.541	46.338	.56683	7.9375	1.6852	2.1428	4.6118	49.260	10.057	12.698	61.762
#1	191.48	.04128	.00321	495.24	-.00039	-.00306	.19501	-.00164	-.00607	.00233	.01460	-.00101
#2	191.39	.06899	.00163	499.23	-.00035	-.00299	.20101	-.00154	-.00293	.00269	.01748	-.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**-.00942**	**-.02017**	**-.00047**	W **.00196**	**-.00644**	**.00058**	**.00180**	**.02666**	**.00166**	**.00456**	**-.00089**
Stddev	.00175	.00702	.01503	.00202	.00008	.00161	.00031	.00162	.02465	.00013	.00048	.00151
%RSD	42.900	74.531	74.531	431.34	3.8492	25.078	52.791	89.724	92.478	8.1462	10.480	170.06
#1	.00531	-.00446	-.00954	.00096	.00201	-.00758	.00079	.00066	.00923	.00156	.00490	-.00195
#2	.00284	-.01439	-.03079	-.00190	.00190	-.00530	.00036	.00295	.04409	.00175	.00423	.00018
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00050							
Low Limit					-.00050							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3502.9**	**53909.**	**6020.6**
Stddev	4.6	63.	22.6
%RSD	.13028	.11666	.37574
#1	3506.1	53953.	6036.6
#2	3499.7	53864.	6004.6

Sample Name: ICSAB-1341784 Acquired: 4/9/2012 15:06:18 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1267**	**512.12**	**2.0170**	**1.9413**	**.50560**	**.48002**	**1.0422**	**471.56**	**1.0467**	**.46534**	**.48748**	**.54771**	**192.43**	**52.727**
Stddev	.0099	1.24	.0087	.0068	.00181	.00222	.0021	2.26	.0026	.00080	.00077	.00637	1.33	.264
%RSD	.87924	.24290	.43318	.35070	.35769	.46229	.20389	.47864	.24649	.17228	.15805	1.1625	.69204	.50086
#1	1.1197	511.24	2.0231	1.9462	.50432	.47845	1.0437	473.16	1.0485	.46478	.48694	.54321	191.49	52.540
#2	1.1337	513.00	2.0108	1.9365	.50688	.48159	1.0407	469.97	1.0449	.46591	.48803	.55221	193.38	52.914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0506**	**504.05**	**.50433**	**.94476**	**52.640**	**.91703**	**1.9583**	**.91321**	**1.0147**	**.99767**	**5.1058**	**10.227**	**21.885**	**9.1005**
Stddev	.0026	4.60	.00159	.00209	.120	.00031	.0052	.00013	.0006	.00050	.0024	.017	.036	.0190
%RSD	.24980	.91167	.31550	.22073	.22736	.03431	.26632	.01398	.05479	.05006	.04765	.16455	.16455	.20825
#1	1.0488	500.80	.50321	.94623	52.556	.91726	1.9620	.91330	1.0151	.99802	5.1041	10.215	21.860	9.0871
#2	1.0525	507.30	.50546	.94328	52.725	.91681	1.9546	.91312	1.0143	.99732	5.1076	10.239	21.911	9.1139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99785**	**2.0594**	**.98772**	**8.6115**	**.03465**	**.50329**	**.97380**	**.89077**
Stddev	.00373	.0072	.00465	.0105	.01363	.00171	.00051	.00313
%RSD	.37350	.34903	.47091	.12148	39.344	.33963	.05241	.35168
#1	.99522	2.0543	.98443	8.6041	.04429	.50208	.97416	.89299
#2	1.0005	2.0645	.99101	8.6189	.02501	.50450	.97344	.88856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3504.5**	**54016.**	**6093.7**
Stddev	7.7	129.	29.3
%RSD	.22039	.23930	.48075
#1	3510.0	54108.	6114.4
#2	3499.0	53925.	6073.0

Sample Name: X Acquired: 4/9/2012 15:08:37 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1094**	**.06265**	**10.241**	**10.074**	**12.255**	**.00055**	**-.00156**	**.01261**	**2.1213**	**5.1280**	**10.170**	**10.967**	**503.46**
Stddev	.0087	.05014	.001	.027	1.022	.00005	.00120	.00336	.0004	.0027	.026	.196	45.73
%RSD	.41339	80.029	.00560	.26544	8.3350	8.5334	76.684	26.645	.01772	.05277	.25122	1.7859	9.0842
#1	2.1156	.02720	10.241	10.056	12.977	.00052	-.00072	.01023	2.1216	5.1299	10.188	11.106	535.80
#2	2.1032	.09810	10.241	10.093	11.533	.00059	-.00241	.01498	2.1211	5.1261	10.152	10.829	471.12
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04839**	**-.00111**	**-.07523**	**10.190**	**5.0536**	**.02726**	**10.312**	**.00890**	**10.470**	**-.00689**	**-.14086**	**5.2729**	**48.008**
Stddev	.00643	.00044	.00929	.013	.0078	.00210	.014	.00074	.008	.00150	.00113	.0045	4.140
%RSD	13.290	39.677	12.350	.12977	.15446	7.6927	.13458	8.2708	.07882	21.814	.80340	.08472	8.6239
#1	-.05294	-.00080	-.08180	10.181	5.0591	.02578	10.321	.00943	10.464	-.00582	-.14166	5.2761	50.935
#2	-.04384	-.00142	-.06866	10.199	5.0481	.02875	10.302	.00838	10.476	-.00795	-.14006	5.2697	45.080
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.74**	**.01144**	**10.305**	**-.00384**	**10.140**	**5.2935**	**.07973**	**10.272**	**9.8569**	**-.00111**
Stddev	8.86	.00114	.228	.03212	.015	.0049	.00324	.005	.0381	.00037
%RSD	8.6239	9.9697	2.2104	836.14	.14786	.09276	4.0640	.04559	.38685	33.232
#1	109.00	.01064	10.466	-.02655	10.151	5.2969	.07744	10.276	9.8299	-.00085
#2	96.472	.01225	10.144	.01887	10.130	5.2900	.08202	10.269	9.8838	-.00138
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3829.8**	**61633.**	**6330.3**
Stddev	6.5	117.	372.8
%RSD	.16876	.18996	5.8885
#1	3834.3	61551.	6066.7
#2	3825.2	61716.	6593.9

Sample Name: CCVH-1326164 Acquired: 4/9/2012 15:11:18 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**50.937**	**.00346**	**.01273**	**.00061**	**.00003**	**1.0181**	**.01554**	**-.00007**	**.00029**	**.00132**	**.00662**	**50.964**
Stddev	.00001	.098	.00061	.00075	.00050	.00004	.0021	.00237	.00001	.00006	.00028	.00004	.082
%RSD	.16526	.19326	17.744	5.9037	82.949	134.62	.21001	15.252	9.5282	20.510	20.980	.65517	.16018
#1	.00337	51.007	.00390	.01326	.00097	.00000	1.0166	.01386	-.00007	.00033	.00113	.00659	51.021
#2	.00336	50.867	.00303	.01220	.00025	.00006	1.0196	.01721	-.00008	.00025	.00152	.00665	50.906
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05161**	**.00077**	**.03814**	**.00014**	**.00723**	**254.33**	**.00215**	**.00227**	**-.00176**	**4.9166**	**-.00148**	**-.00387**	**.03861**
Stddev	.02934	.00185	.00147	.00008	.00369	1.63	.00022	.00093	.00027	.0326	.00131	.00009	.01854
%RSD	56.849	238.81	3.8574	59.775	50.997	.64021	10.150	40.727	15.277	.66271	88.398	2.4347	48.033
#1	.03087	-.00053	.03918	.00019	.00462	255.48	.00200	.00162	-.00195	4.8936	-.00056	-.00380	.05172
#2	.07236	.00208	.03710	.00008	.00984	253.18	.00230	.00293	-.00157	4.9397	-.00241	-.00394	.02549
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08262**	**.00252**	**.00064**	**4.8927**	**.00229**	**.00395**	**10.204**	**.00353**	**.00189**	**-.19191**
Stddev	.03968	.00113	.00003	.0092	.00003	.00093	.020	.00008	.00003	.00039
%RSD	48.033	44.955	4.2997	.18826	1.2430	23.527	.19393	2.1353	1.7006	.20065
#1	.11068	.00172	.00065	4.8992	.00231	.00461	10.190	.00358	.00187	-.19164
#2	.05456	.00331	.00062	4.8862	.00227	.00329	10.218	.00348	.00191	-.19219
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3843.2**	**60411.**	**6136.1**
Stddev	7.7	47.	17.1
%RSD	.19933	.07741	.27826
#1	3848.6	60444.	6124.1
#2	3837.8	60378.	6148.2

Sample Name: CCV-1343805 Acquired: 4/9/2012 15:13:39 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51698**	**.52856**	**1.0053**	**.51786**	**.51616**	**.50662**	**-.00053**	**5.1268**	**.51236**	**.50790**	**.50535**	**.51381**	**2.6000**
Stddev	.00031	.00188	.0042	.00231	.00178	.00161	.00161	.0086	.00207	.00199	.00210	.00141	.0006
%RSD	.05957	.35539	.42188	.44627	.34427	.31779	303.00	.16830	.40423	.39195	.41577	.27401	.02129
#1	.51676	.52989	1.0083	.51950	.51741	.50776	-.00167	5.1329	.51383	.50931	.50684	.51282	2.6004
#2	.51720	.52723	1.0023	.51623	.51490	.50548	.00061	5.1207	.51090	.50650	.50387	.51481	2.5996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.667**	**1.0293**	**20.397**	**.50797**	**.50178**	**5.1250**	**.50933**	**1.0038**	**1.0178**	**.00577**	**1.0294**	**1.0427**	**5.0717**
Stddev	.065	.0022	.047	.00064	.00155	.0009	.00159	.0013	.0005	.00026	.0077	.0001	.0665
%RSD	.12660	.20915	.22813	.12548	.30836	.01750	.31218	.13374	.05271	4.4833	.75066	.01001	1.3117
#1	51.713	1.0308	20.429	.50752	.50287	5.1256	.51045	1.0047	1.0174	.00559	1.0349	1.0426	5.1188
#2	51.621	1.0277	20.364	.50842	.50068	5.1244	.50820	1.0028	1.0182	.00595	1.0239	1.0428	5.0247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.853**	**1.0225**	**.51055**	**.01294**	**.50277**	**1.0583**	**-.00368**	**.50487**	**.50200**	**.49994**
Stddev	.142	.0009	.00153	.00012	.00073	.0041	.00343	.00187	.00145	.00038
%RSD	1.3117	.08668	.29942	.89688	.14584	.38930	93.155	.36985	.28930	.07635
#1	10.954	1.0219	.51163	.01285	.50225	1.0612	-.00126	.50355	.50303	.49967
#2	10.753	1.0232	.50947	.01302	.50329	1.0553	-.00611	.50619	.50098	.50021
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3919.6**	**62340.**	**6109.4**
Stddev	8.5	129.	7.9
%RSD	.21719	.20754	.12870
#1	3913.6	62432.	6114.9
#2	3925.6	62249.	6103.8

Sample Name: CCB Acquired: 4/9/2012 15:15:50 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00849**	**-.00027**	**.00374**	**-.00002**	**.00002**	**-.00030**	**.00692**	**.00011**	**.00007**	**.00017**	**-.00055**	**.01043**
Stddev	.00050	.00046	.00144	.00003	.00032	.00001	.00031	.00021	.00006	.00002	.00012	.00088	.00109
%RSD	70.432	5.4235	534.34	.72836	1661.7	31.186	102.26	3.0879	53.977	27.673	71.754	160.60	10.401
#1	.00035	.00817	-.00129	.00372	-.00024	.00003	-.00052	.00677	.00007	.00006	.00008	.00007	.01120
#2	.00106	.00882	.00075	.00376	.00020	.00002	-.00008	.00707	.00015	.00009	.00026	-.00117	.00967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01179**	**-.00016**	**.00616**	**.00013**	**.00154**	**.00303**	**.00021**	**.00068**	**.00186**	**-.00126**	**.00120**	**-.00364**	**.00321**
Stddev	.05785	.00029	.00316	.00004	.00061	.00394	.00007	.00004	.00054	.00157	.00157	.00308	.00058
%RSD	490.62	180.15	51.332	28.156	39.836	130.06	32.101	6.2805	28.957	124.02	130.85	84.682	18.138
#1	.02911	-.00037	.00393	.00016	.00111	.00024	.00016	.00072	.00148	-.00237	.00232	-.00582	.00362
#2	-.05270	.00004	.00840	.00010	.00197	.00581	.00025	.00065	.00224	-.00016	.00009	-.00146	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00686**	**.00099**	**.00012**	**-.00006**	**.00049**	**.00030**	**.00143**	**.00018**	**.00189**	**.00043**
Stddev	.00124	.00079	.00007	.00085	.00031	.00106	.00144	.00038	.00032	.00108
%RSD	18.138	80.134	57.758	1528.6	62.855	357.35	100.67	206.24	16.674	251.89
#1	.00774	.00155	.00007	-.00065	.00070	-.00045	.00245	.00045	.00167	-.00034
#2	.00598	.00043	.00018	.00054	.00027	.00105	.00041	-.00008	.00212	.00119
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.3**	**63484.**	**6111.6**
Stddev	4.8	220.	56.7
%RSD	.12199	.34593	.92698
#1	3963.9	63329.	6071.6
#2	3970.7	63639.	6151.7

Sample Name: X Acquired: 4/9/2012 15:18:16 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01124**	**.11307**	**.01545**	**.09846**	**.01053**	**.00114**	**.11250**	**.21699**	**.00531**	**.01067**	**.01055**	**.01545**	**.11002**
Stddev	.00005	.00012	.00210	.00065	.00011	.00001	.00283	.00235	.00001	.00006	.00005	.00008	.00048
%RSD	.44412	.10726	13.564	.65525	1.0798	.89213	2.5123	1.0837	.25175	.53595	.46381	.52665	.43816
#1	.01120	.11315	.01396	.09891	.01061	.00115	.11450	.21865	.00530	.01063	.01052	.01551	.10968
#2	.01128	.11298	.01693	.09800	.01045	.00113	.11050	.21533	.00532	.01071	.01058	.01539	.11036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2251**	**.01029**	**.21956**	**.01090**	**.02045**	**1.0951**	**.04221**	**2.8156**	**.01022**	**.00228**	**.00995**	F **.00937**	**.49482**
Stddev	.0090	.00060	.00238	.00006	.00027	.0137	.00049	.0107	.00025	.00093	.00037	.00325	.00125
%RSD	.27994	5.8413	1.0857	.54946	1.3174	1.2542	1.1583	.37890	2.4629	40.908	3.6913	34.640	.25351
#1	3.2315	.01071	.21787	.01094	.02026	1.1048	.04187	2.8080	.01005	.00162	.01021	.01167	.49571
#2	3.2187	.00986	.22124	.01086	.02064	1.0854	.04256	2.8231	.01040	.00294	.00969	.00708	.49394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0589**	**.10416**	**.01071**	**.01486**	**.01036**	**.01769**	F **.08001**	**.01056**	**.02238**	**.01376**
Stddev	.0027	.00025	.00006	.00132	.00004	.00088	.00261	.00011	.00003	.00123
%RSD	.25351	.24456	.57077	8.8786	.37635	4.9898	3.2603	1.0453	.12883	8.9727
#1	1.0608	.10434	.01067	.01393	.01039	.01832	.07817	.01063	.02240	.01464
#2	1.0570	.10398	.01076	.01579	.01033	.01707	.08186	.01048	.02236	.01289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.6**	**63670.**	**6156.6**
Stddev	6.1	42.	.7
%RSD	.15246	.06610	.01109
#1	3988.3	63640.	6157.1
#2	3996.9	63699.	6156.2

Sample Name: CCVL1351092 Acquired: 4/9/2012 15:23:53 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01073**	**.10851**	**.01668**	**.09525**	**.01043**	**.00110**	**.11069**	**.21652**	**.00509**	**.01046**	**.01031**	**.01509**	**.10502**
Stddev	.00022	.00036	.00041	.00015	.00006	.00001	.00198	.00005	.00005	.00002	.00018	.00001	.00195
%RSD	2.0492	.32873	2.4832	.16171	.53257	1.2596	1.7896	.02392	.98968	.18294	1.7174	.03417	1.8531
#1	.01088	.10825	.01697	.09514	.01047	.00111	.10928	.21656	.00505	.01047	.01019	.01509	.10640
#2	.01057	.10876	.01638	.09536	.01039	.00109	.11209	.21649	.00512	.01044	.01044	.01510	.10364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1784**	**.00928**	**.21013**	**.01061**	**.01932**	**1.0917**	**.04146**	**2.7339**	**.01023**	**.00969**	F **.00627**	**.01299**	**.48416**
Stddev	.0270	.00121	.00258	.00005	.00016	.0022	.00006	.0081	.00124	.00192	.00060	.00145	.00777
%RSD	.85069	13.001	1.2277	.49756	.82032	.19734	.13804	.29742	12.113	19.764	9.5339	11.153	1.6043
#1	3.1975	.01013	.21195	.01065	.01943	1.0902	.04150	2.7281	.01111	.00834	.00584	.01402	.47867
#2	3.1592	.00843	.20830	.01057	.01921	1.0933	.04142	2.7396	.00935	.01105	.00669	.01197	.48965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0361**	**.10113**	**.01032**	**.01680**	**.00986**	**.01645**	**.05786**	**.00994**	**.02237**	**.01422**
Stddev	.0166	.00073	.00004	.00001	.00003	.00027	.00304	.00007	.00067	.00005
%RSD	1.6043	.71997	.41260	.04362	.26872	1.6119	5.2478	.69306	2.9843	.37167
#1	1.0243	.10164	.01035	.01680	.00984	.01664	.06001	.00999	.02190	.01418
#2	1.0479	.10062	.01029	.01681	.00988	.01626	.05571	.00990	.02285	.01426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4006.9**	**63874.**	**6043.7**
Stddev	19.2	153.	9.4
%RSD	.47890	.23943	.15496
#1	4020.5	63766.	6037.1
#2	3993.3	63982.	6050.4

Sample Name: CCVL1351092 Acquired: 4/9/2012 15:26:35 Type: QC
Method: 6500_025(v13) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01134**	**.10761**	**.01535**	**.09392**	**.01049**	**.00099**	**.10871**	**.23094**	**.00508**	**.01039**	**.01018**	**.01516**	**.10469**
Stddev	.00011	.00015	.00302	.00007	.00019	.00008	.00027	.00333	.00008	.00017	.00013	.00049	.00112
%RSD	.99283	.13853	19.696	.07136	1.8552	7.7360	.24774	1.4425	1.6530	1.6849	1.3142	3.2241	1.0657
#1	.01142	.10771	.01749	.09387	.01036	.00104	.10852	.23330	.00514	.01026	.01027	.01481	.10390
#2	.01126	.10750	.01322	.09397	.01063	.00093	.10891	.22858	.00502	.01051	.01008	.01550	.10548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2154**	**.00941**	**.20948**	**.01063**	**.01879**	**1.0908**	**.04117**	**2.7285**	**.00886**	**.00448**	**.00900**	F **.01008**	**.46369**
Stddev	.0398	.00230	.00097	.00013	.00014	.0223	.00021	.0028	.00124	.00256	.00237	.00010	.01344
%RSD	1.2368	24.425	.46314	1.2190	.76678	2.0422	.51445	.10331	13.991	57.019	26.286	1.0145	2.8987
#1	3.1873	.01104	.20879	.01054	.01889	1.0751	.04103	2.7265	.00973	.00629	.00733	.01015	.45419
#2	3.2435	.00778	.21016	.01072	.01869	1.1066	.04132	2.7305	.00798	.00268	.01068	.01000	.47320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99230**	**.09956**	**.01045**	**.01669**	**.00992**	**.01494**	**.05711**	**.01043**	**.02236**	**.01595**
Stddev	.02876	.00087	.00018	.00026	.00021	.00064	.01430	.00002	.00043	.00073
%RSD	2.8987	.87723	1.7668	1.5747	2.0683	4.2889	25.047	.21837	1.9071	4.5938
#1	.97196	.09895	.01032	.01650	.00977	.01449	.04699	.01044	.02206	.01647
#2	1.0126	.10018	.01058	.01687	.01006	.01540	.06722	.01041	.02266	.01543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.5**	**63665.**	**6108.0**
Stddev	9.1	644.	21.4
%RSD	.22714	1.0110	.35097
#1	4029.9	64120.	6123.1
#2	4017.0	63210.	6092.8

Sample Name: mb 280-114417/1-a Acquired: 4/9/2012 15:29:30 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00562**	**.00046**	**.00114**	**.00025**	**.00005**	**.00038**	**.04003**	**.00016**	**-.00003**
Stddev	.00002	.00008	.00188	.00023	.00020	.00003	.00046	.00208	.00021	.00004
%RSD	4.8844	1.5032	407.79	19.889	78.811	67.935	119.17	5.1936	129.59	128.36
#1	.00047	.00568	.00179	.00098	.00011	.00003	.00071	.04150	.00001	.00000
#2	.00044	.00556	-.00087	.00130	.00039	.00007	.00006	.03856	.00031	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00060**	**.02153**	**.02115**	**-.00025**	**.00580**	**.00029**	**.00007**	**.20976**	**.00110**
Stddev	.00016	.00000	.00107	.00058	.00043	.00178	.00002	.00010	.00081	.00027
%RSD	56.856	.07142	4.9554	2.7508	175.91	30.693	6.1635	151.27	.38550	25.044
#1	.00039	.00060	.02077	.02156	.00006	.00706	.00030	.00014	.20919	.00129
#2	.00017	.00060	.02228	.02074	-.00055	.00454	.00028	.00000	.21033	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00600**	**.00099**	F **.02783**	**-.00219**	**.00008**	**-.00057**	**-.00123**	**.00640**	**.00006**	**-.00041**
Stddev	.00149	.00002	.00042	.00033	.00508	.02132	.04562	.00005	.00000	.00043
%RSD	24.753	2.0866	1.5181	15.315	6137.0	3713.9	3713.9	.74243	5.9080	102.65
#1	.00495	.00097	.02813	-.00195	.00367	-.01565	-.03349	.00636	.00007	-.00011
#2	.00705	.00100	.02753	-.00242	-.00351	.01450	.03103	.00643	.00006	-.00072
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000							
Low Limit	-.00500		-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**-.00028**	**.00069**	**.00010**	**.00252**	**-.00086**
Stddev	.00029	.00002	.00823	.00029	.00020	.00155
%RSD	24.264	6.1048	1200.5	280.84	7.7572	179.26
#1	.00098	-.00029	-.00514	.00031	.00266	-.00196
#2	.00139	-.00026	.00651	-.00010	.00239	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4069.1**	**64999.**	**6236.0**
Stddev	7.4	319.	37.4
%RSD	.18070	.49092	.60048
#1	4063.9	64773.	6262.5
#2	4074.3	65225.	6209.6

Sample Name: lcs 280-114417/2-a Acquired: 4/9/2012 15:31:56 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05610**	**1.9597**	**1.0219**	**.99900**	**2.1081**	**.05174**	**2.1686**	**50.962**	**.10498**	**.50607**
Stddev	.00096	.0112	.0040	.00483	.0068	.00019	.0095	.225	.00064	.00165
%RSD	1.7064	.57375	.39040	.48389	.32148	.36326	.43886	.44121	.60834	.32624
#1	.05677	1.9517	1.0191	.99558	2.1129	.05187	2.1618	51.121	.10453	.50490
#2	.05542	1.9676	1.0247	1.0024	2.1033	.05161	2.1753	50.803	.10543	.50723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20530**	**.26828**	**1.0560**	**53.249**	**1.0545**	**51.398**	**.52834**	**1.0225**	**54.229**	**.51465**
Stddev	.00107	.00352	.0048	.114	.0024	.783	.00791	.0009	.145	.00127
%RSD	.51949	1.3132	.45519	.21394	.22565	1.5242	1.4973	.08533	.26698	.24724
#1	.20454	.27077	1.0594	53.329	1.0562	51.951	.53394	1.0219	54.332	.51375
#2	.20605	.26579	1.0526	53.168	1.0528	50.844	.52275	1.0231	54.127	.51555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.290**	**.50739**	**.04443**	**.49283**	**2.0919**	**1.7064**	F **3.6516**	**2.0484**	**1.0562**	**1.0335**
Stddev	.029	.00408	.00121	.00056	.0041	.0032	.0069	.0121	.0027	.0152
%RSD	.27790	.80469	2.7124	.11356	.19673	.18856	.18856	.59239	.25859	1.4697
#1	10.270	.50450	.04358	.49323	2.0890	1.7041	3.6467	2.0398	1.0581	1.0442
#2	10.311	.51028	.04528	.49243	2.0948	1.7086	3.6565	2.0570	1.0543	1.0227
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0406**	**2.0575**	F **2.2171**	**.52609**	**.51018**	**.46133**
Stddev	.0172	.0074	.0601	.00663	.00868	.00147
%RSD	1.6522	.36091	2.7099	1.2600	1.7007	.31930
#1	1.0528	2.0523	2.2596	.53077	.51632	.46237
#2	1.0284	2.0628	2.1747	.52140	.50404	.46029
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3837.6**	**60468.**	**6117.4**
Stddev	19.6	501.	1.8
%RSD	.50961	.82925	.03021
#1	3851.4	60113.	6116.0
#2	3823.7	60823.	6118.7

Sample Name: 280-27317-a-4-g Acquired: 4/9/2012 15:34:07 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**89.166**	**.02508**	**.01888**	**.91979**	**.00330**	**-.00476**	**29.175**	**.00063**	**.04963**
Stddev	.00004	.159	.00586	.00046	.00403	.00005	.00110	.002	.00007	.00039
%RSD	3.3757	.17838	23.360	2.4407	.43848	1.4733	23.153	.00716	10.360	.77985
#1	.00106	89.054	.02923	.01921	.91694	.00326	-.00554	29.176	.00058	.04935
#2	.00111	89.279	.02094	.01856	.92265	.00333	-.00398	29.173	.00067	.04990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11917**	**.17208**	**146.21**	**20.517**	**.10158**	**31.981**	**2.5349**	**.00226**	**2.7987**	**.11691**
Stddev	.00003	.00043	.45	.047	.00042	.011	.0027	.00056	.0172	.00012
%RSD	.02663	.24950	.30776	.22690	.41813	.03418	.10556	24.917	.61348	.09945
#1	.11920	.17238	145.89	20.484	.10188	31.973	2.5368	.00186	2.7865	.11700
#2	.11915	.17178	146.53	20.550	.10128	31.989	2.5330	.00266	2.8108	.11683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.7342**	**.03951**	**.71855**	**.00010**	**-.00195**	**2.8704**	**6.1427**	**.00794**	**.38541**	**.03935**
Stddev	.0044	.00183	.00304	.00331	.00395	.0161	.0345	.00022	.00239	.00022
%RSD	.09228	4.6423	.42367	3483.0	202.16	.56173	.56173	2.8258	.61957	.55720
#1	4.7373	.03821	.71639	.00244	-.00474	2.8818	6.1671	.00778	.38372	.03951
#2	4.7311	.04080	.72070	-.00225	.00084	2.8590	6.1183	.00810	.38709	.03920
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.8415**	**.00278**	W **-.06922**	**.34452**	**.36487**	**.06775**
Stddev	.0055	.00068	.01220	.00078	.00188	.00186
%RSD	.08003	24.466	17.624	.22720	.51624	2.7414
#1	6.8454	.00230	-.07785	.34507	.36621	.06644
#2	6.8377	.00327	-.06060	.34397	.36354	.06906
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4032.7**	**63151.**	**6412.4**
Stddev	2.4	17.	24.9
%RSD	.05979	.02714	.38795
#1	4031.0	63138.	6394.8
#2	4034.4	63163.	6430.0

Sample Name: 280-27317-a-4-gSD@5 Acquired: 4/9/2012 15:36:24 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	18.474	.00943	.00496	.18976	.00076	.00153	6.1169	.00015	.01077
Stddev	.00013	.078	.00036	.00011	.00023	.00002	.00132	.0334	.00002	.00013
%RSD	16.377	.41963	3.8020	2.2674	.12257	2.7397	86.644	.54537	12.719	1.2149
#1	.00071	18.419	.00917	.00488	.18959	.00077	.00246	6.0933	.00014	.01068
#2	.00089	18.529	.00968	.00503	.18992	.00074	.00059	6.1405	.00016	.01087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02504	.03492	29.738	4.1973	.02063	6.8510	.52974	.00021	.57389	.02477
Stddev	.00025	.00037	.175	.0213	.00268	.0023	.00113	.00009	.00273	.00006
%RSD	.99267	1.0692	.58708	.50724	13.003	.03296	.21245	45.236	.47593	.22712
#1	.02486	.03519	29.615	4.1823	.01874	6.8494	.52895	.00014	.57583	.02473
#2	.02521	.03466	29.862	4.2124	.02253	6.8526	.53054	.00027	.57196	.02481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98839	.00913	.15345	-.00011	-.00362	.61109	1.3077	.00096	.07954	.01068
Stddev	.00480	.00034	.00171	.00112	.00076	.00640	.0137	.00068	.00051	.00087
%RSD	.48519	3.6769	1.1125	1038.2	20.948	1.0473	1.0473	71.213	.64550	8.1364
#1	.98500	.00937	.15466	.00069	-.00309	.60657	1.2981	.00144	.07918	.01007
#2	.99179	.00890	.15224	-.00090	-.00416	.61562	1.3174	.00048	.07991	.01130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4020	.00100	-.03695	.07048	.07872	.01588
Stddev	.0022	.00010	.01372	.00010	.00018	.00009
%RSD	.15958	10.128	37.122	.13963	.22522	.57674
#1	1.4004	.00093	-.02725	.07041	.07884	.01581
#2	1.4036	.00107	-.04665	.07055	.07859	.01594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4052.0	63965.	6316.4
Stddev	16.0	438.	51.6
%RSD	.39603	.68448	.81683
#1	4063.3	64275.	6352.9
#2	4040.6	63656.	6279.9

Sample Name: 280-27317-a-4-h ms Acquired: 4/9/2012 15:38:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05453**	**108.91**	**.99996**	**.96134**	**2.8830**	**.05295**	F **2.0787**	**85.339**	**.10225**	**.52742**
Stddev	.00037	.53	.00705	.00859	.0117	.00003	.0129	.354	.00065	.00284
%RSD	.67791	.48557	.70469	.89375	.40664	.05032	.61936	.41525	.63600	.53940
#1	.05427	109.28	.99498	.95527	2.8913	.05293	2.0696	85.590	.10179	.52541
#2	.05479	108.53	1.0049	.96742	2.8747	.05297	2.0878	85.088	.10271	.52944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32262**	**.42802**	**147.50**	**73.425**	**1.1405**	**83.145**	**3.0854**	**.95977**	**56.924**	**.59242**
Stddev	.00278	.00092	.31	.302	.0054	.319	.0547	.00650	.460	.00265
%RSD	.86247	.21548	.21343	.41074	.47215	.38340	1.7735	.67697	.80842	.44700
#1	.32065	.42736	147.73	73.638	1.1443	82.920	3.0467	.95518	57.250	.59055
#2	.32459	.42867	147.28	73.212	1.1366	83.371	3.1241	.96436	56.599	.59429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.916**	**.50241**	**.68378**	**.28455**	**2.0184**	**6.0673**	**12.984**	**1.8912**	**1.4147**	**1.0175**
Stddev	.099	.00269	.00426	.00249	.0185	.1415	.303	.0098	.0041	.0085
%RSD	.70963	.53494	.62232	.87681	.91863	2.3322	2.3322	.52033	.29045	.83614
#1	13.847	.50051	.68077	.28278	2.0052	6.1674	13.198	1.8842	1.4176	1.0115
#2	13.986	.50431	.68678	.28631	2.0315	5.9673	12.770	1.8982	1.4118	1.0235
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.1071**	**1.8939**	**2.0413**	**.86441**	**.83777**	**.52666**
Stddev	.0451	.0209	.0167	.00665	.00710	.00386
%RSD	.49521	1.1035	.81783	.76936	.84745	.73377
#1	9.0753	1.8791	2.0295	.85971	.83275	.52939
#2	9.1390	1.9087	2.0531	.86911	.84279	.52392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3884.3**	**60857.**	**6370.8**
Stddev	22.9	295.	32.0
%RSD	.58891	.48542	.50162
#1	3900.5	61066.	6348.2
#2	3868.1	60648.	6393.4

Sample Name: 280-27317-a-4-i msd Acquired: 4/9/2012 15:41:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05264**	**98.322**	**.96594**	**.93834**	**2.6718**	**.05113**	F **2.0183**	**76.897**	**.09926**	**.50525**
Stddev	.00019	.167	.00053	.00032	.0144	.00007	.0022	.120	.00007	.00214
%RSD	.36602	.17020	.05436	.03389	.53856	.12887	.10933	.15616	.07096	.42341
#1	.05277	98.440	.96557	.93856	2.6819	.05117	2.0167	76.982	.09931	.50676
#2	.05250	98.204	.96632	.93811	2.6616	.05108	2.0198	76.812	.09921	.50374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30444**	**.39578**	**127.49**	**69.395**	**1.0984**	**74.965**	**2.6424**	**.93393**	**54.562**	**.56393**
Stddev	.00116	.00046	.37	.388	.0027	.105	.0045	.00282	.013	.00093
%RSD	.38106	.11520	.29250	.55926	.24518	.14039	.16861	.30215	.02297	.16427
#1	.30526	.39610	127.76	69.669	1.1003	74.890	2.6393	.93592	54.571	.56458
#2	.30362	.39546	127.23	69.120	1.0965	75.039	2.6456	.93193	54.553	.56327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.322**	**.48735**	**.69054**	**.29740**	**1.9540**	**5.9288**	**12.688**	**1.8374**	**1.2990**	**1.0164**
Stddev	.012	.00017	.00414	.00212	.0020	.0152	.032	.0029	.0062	.0049
%RSD	.09111	.03555	.60014	.71381	.10163	.25573	.25573	.15534	.48048	.48088
#1	13.330	.48747	.69347	.29590	1.9526	5.9395	12.710	1.8394	1.3034	1.0130
#2	13.313	.48723	.68761	.29891	1.9554	5.9180	12.665	1.8354	1.2945	1.0199
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.7407**	**1.8454**	**1.9888**	**.79525**	**.77091**	**.50223**
Stddev	.0001	.0068	.0085	.00092	.00005	.00229
%RSD	.00116	.36631	.42569	.11584	.00667	.45567
#1	7.7406	1.8501	1.9948	.79460	.77087	.50061
#2	7.7408	1.8406	1.9828	.79590	.77094	.50385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3943.8**	**61986.**	**6375.9**
Stddev	15.1	274.	13.1
%RSD	.38240	.44132	.20501
#1	3933.2	62180.	6385.1
#2	3954.5	61793.	6366.6

Sample Name: 280-27317-a-4-gPDS Acquired: 4/9/2012 15:43:09 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04715**	**89.809**	**.24312**	**.11403**	**1.0342**	**.05941**	**-.00434**	**51.495**	**.05756**	**.10227**
Stddev	.00023	.198	.00317	.00029	.0010	.00033	.00071	.169	.00005	.00046
%RSD	.49242	.22011	1.3031	.25335	.10160	.55383	16.473	.32734	.09317	.44916
#1	.04731	89.949	.24536	.11382	1.0349	.05964	-.00484	51.614	.05760	.10195
#2	.04698	89.669	.24088	.11423	1.0334	.05918	-.00383	51.376	.05752	.10260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17131**	**.22672**	**146.20**	**43.989**	**.21894**	**52.604**	**2.4999**	**.05046**	**27.123**	**.16690**
Stddev	.00025	.00016	.66	.003	.00004	.500	.0204	.00076	.176	.00032
%RSD	.14773	.07077	.44829	.00776	.01984	.94970	.81590	1.4996	.64869	.19323
#1	.17113	.22660	146.66	43.991	.21897	52.957	2.5143	.04993	27.248	.16713
#2	.17149	.22683	145.74	43.986	.21891	52.251	2.4855	.05100	26.999	.16668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7826**	**.14529**	**.71867**	**.09934**	**.22237**	**8.0378**	**17.201**	**.10527**	**.44255**	**.25205**
Stddev	.0170	.00094	.00004	.00146	.00156	.0352	.075	.00053	.00048	.00622
%RSD	.25113	.64380	.00606	1.4729	.70245	.43736	.43736	.50795	.10911	2.4687
#1	6.7946	.14595	.71864	.09831	.22126	8.0627	17.254	.10489	.44221	.25645
#2	6.7705	.14463	.71870	.10038	.22347	8.0130	17.148	.10565	.44289	.24765
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7168**	**.22337**	**.52160**	**.39325**	**.56692**	**.10892**
Stddev	.0625	.00437	.00754	.00332	.00628	.00074
%RSD	.93052	1.9546	1.4461	.84297	1.1084	.67808
#1	6.7610	.22028	.52693	.39560	.57137	.10840
#2	6.6726	.22646	.51627	.39091	.56248	.10945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3999.2**	**63114.**	**6353.7**
Stddev	1.0	426.	4.1
%RSD	.02394	.67485	.06520
#1	3998.5	62813.	6350.8
#2	3999.8	63415.	6356.6

Sample Name: CCVH-1326164 Acquired: 4/9/2012 15:45:23 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00315**	**51.800**	**-.00054**	**.00326**	**.00062**	**.00007**	**1.0072**	**-.00037**	**-.00015**	**.00010**	**.00112**	**.00532**	**51.941**
Stddev	.00036	.168	.00084	.00047	.00004	.00002	.0076	.00310	.00005	.00022	.00009	.00019	.129
%RSD	11.524	.32354	153.83	14.552	6.8186	33.492	.75555	848.14	33.407	219.01	7.9898	3.5265	.24801
#1	.00340	51.681	.00005	.00359	.00059	.00005	1.0126	.00183	-.00011	-.00006	.00106	.00545	51.850
#2	.00289	51.918	-.00113	.00292	.00065	.00008	1.0018	-.00256	-.00019	.00026	.00119	.00519	52.032
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05195**	**.00099**	**.01891**	**.00006**	**-.00042**	**258.52**	**.00199**	**.00268**	**-.00200**	**4.8916**	**-.00094**	**-.00981**	**.00623**
Stddev	.02822	.00035	.00013	.00004	.00004	2.04	.00047	.00001	.00011	.0260	.00309	.00332	.00760
%RSD	54.325	35.216	.68364	66.781	9.6855	.79019	23.563	.27280	5.6751	.53201	330.41	33.802	122.06
#1	.07191	.00123	.01901	.00003	-.00039	257.07	.00232	.00268	-.00208	4.9100	.00125	-.01216	.00085
#2	.03200	.00074	.01882	.00009	-.00044	259.96	.00165	.00267	-.00192	4.8732	-.00312	-.00747	.01161
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01333**	**.00239**	**.00043**	**4.8032**	**.00449**	**.00175**	**10.345**	**.00334**	**.00121**	**-.19045**
Stddev	.01627	.00157	.00000	.0098	.00018	.00080	.027	.00006	.00046	.00171
%RSD	122.06	65.735	.38849	.20483	3.9656	45.883	.26023	1.9250	38.070	.89952
#1	.00183	.00128	.00043	4.7962	.00437	.00231	10.326	.00338	.00088	-.18924
#2	.02484	.00351	.00043	4.8101	.00462	.00118	10.364	.00329	.00154	-.19166
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3898.7**	**60891.**	**6163.1**
Stddev	7.9	41.	37.0
%RSD	.20283	.06716	.59992
#1	3893.1	60920.	6189.3
#2	3904.3	60862.	6137.0

Sample Name: CCV-1343805 Acquired: 4/9/2012 15:47:44 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51622**	**.51304**	**.98544**	**.50813**	**.53285**	**.51230**	**.00018**	**5.2074**	**.51250**	**.50411**	**.50413**	**.51929**	**2.6561**
Stddev	.00187	.00258	.00466	.00235	.00379	.00242	.00075	.0403	.00311	.00281	.00329	.00149	.0260
%RSD	.36298	.50293	.47269	.46208	.71150	.47322	423.74	.77302	.60637	.55751	.65303	.28659	.97719
#1	.51489	.51486	.98873	.50979	.53553	.51402	-.00035	5.2358	.51470	.50610	.50645	.51824	2.6745
#2	.51754	.51121	.98214	.50647	.53017	.51059	.00071	5.1789	.51030	.50213	.50180	.52034	2.6377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.750**	**1.0584**	**19.995**	**.50379**	**.50005**	**5.1969**	**.50516**	**.99232**	**.98920**	**.00353**	**1.0158**	**1.0534**	**5.1437**
Stddev	.425	.0071	.027	.00071	.00520	.0519	.00367	.00501	.00759	.00156	.0003	.0130	.0579
%RSD	.80592	.67157	.13320	.14153	1.0393	.99942	.72723	.50529	.76703	44.229	.03229	1.2353	1.1257
#1	53.051	1.0634	19.976	.50328	.50373	5.2336	.50776	.99587	.99457	.00463	1.0161	1.0626	5.1847
#2	52.449	1.0533	20.014	.50429	.49638	5.1602	.50256	.98878	.98384	.00242	1.0156	1.0442	5.1028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.008**	**1.0177**	**.52201**	**.01305**	**.49887**	**1.0575**	**-.01628**	**.50335**	**.48722**	**.50006**
Stddev	.124	.0130	.00369	.00045	.00130	.0110	.00365	.00086	.00081	.00605
%RSD	1.1257	1.2756	.70735	3.4370	.26087	1.0384	22.423	.17075	.16670	1.2097
#1	11.095	1.0269	.52462	.01273	.49795	1.0652	-.01370	.50396	.48779	.50434
#2	10.920	1.0085	.51940	.01336	.49979	1.0497	-.01887	.50275	.48664	.49579
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3974.9**	**63029.**	**6092.8**
Stddev	13.9	58.	52.1
%RSD	.34930	.09159	.85456
#1	3965.0	62988.	6056.0
#2	3984.7	63070.	6129.6

Sample Name: CCB Acquired: 4/9/2012 15:49:57 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00091**	**.00103**	**.00088**	**.00013**	**.00002**	**.00002**	**-.00168**	**-.00002**	**-.00029**	**.00013**	**-.00101**	**.00228**
Stddev	.00009	.00020	.00298	.00017	.00008	.00001	.00167	.00307	.00007	.00012	.00011	.00008	.00143
%RSD	10.060	21.693	288.75	19.420	60.035	36.087	9665.2	183.03	350.99	42.420	85.628	8.0908	62.692
#1	.00098	.00105	-.00108	.00076	.00019	.00002	-.00117	.00049	.00003	-.00037	.00021	-.00106	.00329
#2	.00085	.00077	.00314	.00100	.00008	.00001	.00120	-.00385	-.00007	-.00020	.00005	-.00095	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03343**	**-.00002**	**.00179**	**.00005**	**.00116**	**.00796**	**.00003**	**.00071**	**.00081**	**-.00008**	**.00175**	**-.00376**	**.00754**
Stddev	.02427	.00008	.00057	.00001	.00036	.00164	.00015	.00017	.00150	.00269	.00062	.00237	.00541
%RSD	72.600	404.83	31.680	19.294	31.416	20.580	473.19	23.450	185.84	3246.3	35.586	63.004	71.715
#1	.05060	.00004	.00219	.00006	.00090	.00912	.00014	.00059	-.00025	.00182	.00131	-.00543	.01136
#2	.01627	-.00008	.00139	.00004	.00141	.00680	-.00007	.00083	.00187	-.00198	.00220	-.00208	.00372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01614**	**.00093**	**.00011**	**.00037**	**.00057**	**.00014**	**-.00270**	**.00024**	**.00103**	**.00139**
Stddev	.01157	.00007	.00006	.00212	.00003	.00006	.00047	.00030	.00004	.00064
%RSD	71.715	7.7374	53.967	570.01	4.8114	42.009	17.591	124.85	4.1959	45.702
#1	.02432	.00098	.00007	.00187	.00059	.00018	-.00303	.00046	.00100	.00184
#2	.00795	.00088	.00016	-.00113	.00055	.00009	-.00236	.00003	.00106	.00094
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.5**	**63740.**	**6052.3**
Stddev	10.0	83.	39.2
%RSD	.24801	.13031	.64704
#1	4016.4	63798.	6080.0
#2	4030.5	63681.	6024.6

Sample Name: CCVL-1351092 Acquired: 4/9/2012 15:52:22 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01166**	**.10649**	**.01659**	**.09434**	**.01130**	**.00110**	**.10914**	**.21453**	**.00519**	**.01021**	**.01027**	**.01460**	**.10971**	**3.3520**
Stddev	.00031	.00056	.00343	.00042	.00005	.00005	.00301	.00168	.00002	.00010	.00001	.00022	.00385	.0409
%RSD	2.6676	.52242	20.695	.44955	.40452	4.3797	2.7539	.78401	.45267	.97627	.09170	1.5363	3.5103	1.2199
#1	.01144	.10688	.01902	.09464	.01127	.00107	.10702	.21334	.00517	.01014	.01027	.01444	.10699	3.3231
#2	.01188	.10609	.01416	.09404	.01134	.00114	.11127	.21572	.00521	.01028	.01028	.01476	.11243	3.3810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01055**	**.20590**	**.01056**	**.01989**	**1.1098**	**.04170**	**2.7460**	**.00947**	**.00375**	**.00961**	**.01371**	**.49333**	**1.0557**	**.10280**
Stddev	.00128	.00033	.00005	.00021	.0040	.00032	.0158	.00063	.00044	.00017	.00659	.00626	.0134	.00063
%RSD	12.105	.15960	.47520	1.0762	.36266	.77094	.57689	6.6857	11.863	1.8022	48.050	1.2697	1.2697	.61485
#1	.01145	.20566	.01052	.01974	1.1069	.04193	2.7572	.00902	.00343	.00973	.01836	.49776	1.0652	.10325
#2	.00964	.20613	.01059	.02004	1.1126	.04147	2.7348	.00992	.00406	.00949	.00905	.48890	1.0462	.10236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01084**	**.01543**	**.01008**	**.01680**	**.06205**	**.01037**	**.02109**	**.01416**
Stddev	.00009	.00054	.00000	.00139	.00150	.00014	.00033	.00054
%RSD	.80417	3.4908	.00098	8.2965	2.4223	1.3519	1.5443	3.8283
#1	.01078	.01581	.01008	.01582	.06311	.01027	.02086	.01378
#2	.01090	.01505	.01008	.01779	.06099	.01047	.02132	.01454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4044.1**	**64805.**	**6124.4**
Stddev	13.0	328.	24.3
%RSD	.32238	.50684	.39598
#1	4034.9	65037.	6107.3
#2	4053.4	64572.	6141.6

Sample Name: BLANK SAR WATER Acquired: 4/9/2012 15:54:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00031**	**.00010**	**.00135**	**.00009**	**.00007**	**-.00024**	**-.00282**	**.00010**	**-.00007**
Stddev	.00016	.00003	.00072	.00037	.00002	.00001	.00117	.00226	.00003	.00007
%RSD	15.863	8.6312	713.81	27.095	22.043	16.908	478.37	80.295	26.814	94.368
#1	.00092	.00029	-.00041	.00161	.00011	.00008	-.00107	-.00122	.00012	-.00012
#2	.00115	.00033	.00061	.00109	.00008	.00007	.00058	-.00442	.00008	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00145**	**.00203**	**.01701**	**.00084**	**.00063**	**.00002**	**.00014**	**-.00434**	**-.00009**
Stddev	.00006	.00046	.00020	.00301	.00090	.00085	.00004	.00008	.00127	.00009
%RSD	5208.0	31.870	9.6507	17.718	107.47	134.77	166.53	53.225	29.346	97.988
#1	-.00004	-.00178	.00189	.01914	.00148	.00003	.00005	.00009	-.00524	-.00003
#2	.00005	-.00113	.00217	.01488	.00020	.00123	.00000	.00020	-.00344	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00045**	**.00037**	**.00056**	**-.00392**	W **-.00876**	**-.01875**	**-.00037**	**.00007**	**.00201**
Stddev	.00029	.00085	.00125	.00024	.00549	.00208	.00446	.00074	.00007	.00081
%RSD	32.920	186.41	336.08	42.659	139.94	23.776	23.776	197.71	103.27	40.177
#1	.00067	.00105	-.00051	.00039	-.00781	-.00729	-.01560	.00015	.00012	.00144
#2	.00107	-.00014	.00125	.00073	-.00004	-.01024	-.02191	-.00090	.00002	.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.00500				
Low Limit						-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00018**	**-.02209**	**.00001**	**.00117**	**-.00117**
Stddev	.00015	.00090	.00921	.00006	.00006	.00098
%RSD	88.423	512.20	41.675	908.79	4.7114	83.591
#1	.00007	.00081	-.01558	-.00004	.00121	-.00048
#2	.00028	-.00046	-.02860	.00005	.00113	-.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4021.0**	**64664.**	**6032.2**
Stddev	24.5	58.	8.0
%RSD	.60875	.08962	.13337
#1	4038.3	64705.	6037.9
#2	4003.7	64623.	6026.5

Sample Name: 27279-1 Acquired: 4/9/2012 15:57:10 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**.00374**	**-.00041**	**.04747**	**.10011**	**.00005**	**.00438**	**6.9653**	**-.00024**	**-.00028**
Stddev	.00058	.00076	.00217	.00014	.00007	.00004	.00073	.0211	.00003	.00000
%RSD	75.301	20.433	531.08	.29398	.06647	78.123	16.667	.30362	12.633	1.7357
#1	.00036	.00428	.00113	.04757	.10016	.00002	.00490	6.9803	-.00022	-.00027
#2	.00118	.00320	-.00195	.04738	.10007	.00008	.00386	6.9504	-.00026	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00133**	**.10794**	**2.1241**	**.01633**	**.59144**	**.01626**	**.00465**	**73.316**	**.00004**
Stddev	.00004	.00005	.00086	.0517	.00175	.00383	.00009	.00020	.158	.00001
%RSD	40.246	3.7965	.79515	2.4342	10.695	.64679	.57977	4.2129	.21501	35.016
#1	.00013	.00136	.10733	2.0875	.01509	.59414	.01632	.00451	73.204	.00003
#2	.00007	.00129	.10854	2.1606	.01756	.58873	.01619	.00479	73.427	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00640**	**-.00017**	**6.4083**	**.00029**	**-.00140**	**6.3789**	**13.651**	**-.00042**	**.14264**	**-.00016**
Stddev	.00014	.00184	.0434	.00207	.00039	.0064	.014	.00071	.00008	.00018
%RSD	2.2358	1082.9	.67680	714.89	27.735	.10029	.10029	168.81	.05517	112.25
#1	.00650	.00113	6.3776	.00176	-.00113	6.3834	13.660	.00008	.14259	-.00003
#2	.00630	-.00147	6.4389	-.00118	-.00167	6.3743	13.641	-.00092	.14270	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00155**	**-.01200**	**-.00008**	**.10917**	**.00038**
Stddev	.00017	.00034	.01423	.00005	.00052	.00047
%RSD	79.046	21.654	118.61	64.186	.47553	125.60
#1	.00034	.00131	-.02206	-.00005	.10954	.00004
#2	.00010	.00179	-.00193	-.00012	.10881	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4043.8**	**64195.**	**6116.4**
Stddev	36.6	221.	30.1
%RSD	.90457	.34490	.49215
#1	4069.7	64038.	6137.7
#2	4018.0	64352.	6095.1

Sample Name: 27279-1SD@5 Acquired: 4/9/2012 15:59:32 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00206**	**.00006**	**.00962**	**.02010**	**.00006**	**.00139**	**1.4027**	**-.00021**	**.00009**
Stddev	.00028	.00036	.00080	.00018	.00025	.00006	.00112	.0003	.00008	.00002
%RSD	29.892	17.636	1386.9	1.8481	1.2403	93.570	80.651	.01766	41.065	25.512
#1	.00073	.00180	.00062	.00949	.02028	.00010	.00060	1.4029	-.00015	.00008
#2	.00112	.00231	-.00051	.00974	.01993	.00002	.00218	1.4025	-.00027	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00076**	**.02836**	**.45083**	**.00348**	**.11998**	**.00332**	**.00074**	**15.294**	**.00010**
Stddev	.00011	.00006	.00231	.01858	.00023	.00068	.00001	.00021	.002	.00017
%RSD	21.325	7.6998	8.1515	4.1203	6.6026	.56417	.24621	28.958	.01263	171.42
#1	.00059	-.00072	.02672	.46396	.00364	.12046	.00331	.00089	15.295	-.00002
#2	.00043	-.00080	.02999	.43769	.00332	.11950	.00332	.00059	15.292	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**.00107**	**1.2135**	**-.00344**	**-.00355**	**1.2485**	**2.6717**	**.00017**	**.02883**	**.00031**
Stddev	.00025	.00026	.0012	.00090	.00401	.0058	.0124	.00019	.00006	.00203
%RSD	15.697	23.800	.09618	26.024	112.76	.46487	.46487	112.76	.20873	659.14
#1	.00143	.00126	1.2127	-.00281	-.00639	1.2526	2.6805	.00031	.02878	-.00113
#2	.00178	.00089	1.2144	-.00407	-.00072	1.2443	2.6629	.00003	.02887	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00236**	**-.01200**	**.00007**	**.02294**	**.00243**
Stddev	.00014	.00202	.01078	.00001	.00010	.00277
%RSD	34.078	85.731	89.846	19.626	.43355	113.74
#1	.00052	.00093	-.01962	.00009	.02287	.00048
#2	.00032	.00378	-.00437	.00006	.02301	.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4062.3**	**64975.**	**6076.1**
Stddev	9.9	366.	10.9
%RSD	.24459	.56359	.17929
#1	4069.3	65234.	6083.8
#2	4055.3	64717.	6068.4

Sample Name: 27271-1 Acquired: 4/9/2012 16:01:58 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Mg DQR 026

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**.03437**	**.00288**	**.35706**	**.06877**	**.00009**	**.00236**	**249.48**	**.00026**	**.00401**
Stddev	.00033	.00031	.00237	.00208	.00001	.00001	.00155	.88	.00012	.00000
%RSD	17.016	.91075	82.144	.58144	.00850	7.8643	65.637	.35192	44.868	.06352
#1	.00214	.03415	.00121	.35853	.06878	.00009	.00345	250.11	.00034	.00401
#2	.00168	.03460	.00455	.35559	.06877	.00010	.00126	248.86	.00018	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**.00117**	**1.5892**	**2.3225**	**.01177**	**72.064**	**6.3530**	**.00328**	**274.68**	**.01226**
Stddev	.00018	.00009	.0104	.0568	.00046	.588	.0553	.00032	2.06	.00021
%RSD	5.9599	7.6996	.65425	2.4451	3.8710	.81586	.86967	9.7697	.74893	1.6822
#1	.00316	.00124	1.5966	2.3627	.01210	72.479	6.3921	.00350	276.13	.01240
#2	.00291	.00111	1.5819	2.2824	.01145	71.648	6.3140	.00305	273.22	.01211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09385**	**.00167**	F **295.63**	**-.00315**	**-.00261**	**7.2860**	**15.592**	**.00036**	**.98159**	**.00022**
Stddev	.00921	.00167	1.09	.00047	.00117	.0202	.043	.00115	.00731	.00070
%RSD	9.8128	100.08	.36937	14.869	44.954	.27714	.27714	318.29	.74478	321.71
#1	.08734	.00286	296.40	-.00282	-.00178	7.3003	15.623	-.00045	.98676	.00071
#2	.10036	.00049	294.85	-.00348	-.00343	7.2717	15.561	.00117	.97642	-.00028
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**-.00003**	**-.04699**	**.00332**	**.00720**	**.00122**
Stddev	.00002	.00078	.02347	.00044	.00017	.00067
%RSD	1.3642	2934.0	49.944	13.330	2.2946	55.456
#1	.00182	.00052	-.03040	.00301	.00731	.00169
#2	.00178	-.00058	-.06359	.00363	.00708	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3704.6**	**58698.**	**6006.3**
Stddev	7.3	323.	1.9
%RSD	.19681	.55106	.03131
#1	3709.7	58470.	6007.6
#2	3699.4	58927.	6005.0

Sample Name: LRA-1341785 Acquired: 4/9/2012 16:04:31 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0646**	**.02276**	**9.6401**	**9.6456**	**12.748**	**.00082**	**-.00710**	**.03003**	**2.0556**	**4.9377**	**9.8693**	**10.626**	**528.91**
Stddev	.0007	.00910	.0468	.0302	.011	.00000	.00217	.00247	.0003	.0015	.0237	.083	3.67
%RSD	.03371	39.962	.48561	.31273	.08373	.16621	30.570	8.2238	.01212	.03147	.24050	.78376	.69482
#1	2.0651	.02919	9.6070	9.6242	12.741	.00082	-.00864	.03178	2.0554	4.9388	9.8860	10.685	526.31
#2	2.0641	.01633	9.6732	9.6669	12.756	.00082	-.00557	.02829	2.0558	4.9366	9.8525	10.568	531.51
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00133**	**-.07850**	**9.9429**	**4.9127**	**.05309**	**9.9293**	**.01167**	**9.7126**	**.03131**	**-.14253**	**5.1581**	**50.216**
Stddev	.00588	.00137	.00010	.0782	.0097	.01652	.0049	.00151	.0394	.00253	.00308	.0102	.480
%RSD	3569.7	102.46	.13352	.78651	.19682	31.115	.04936	12.964	.40539	8.0908	2.1625	.19727	.95534
#1	.00399	-.00037	-.07857	9.8876	4.9196	.06477	9.9328	.01060	9.6848	.02952	-.14471	5.1653	49.877
#2	-.00432	-.00230	-.07842	9.9982	4.9059	.04141	9.9259	.01274	9.7404	.03310	-.14035	5.1509	50.555
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**107.46**	**.00086**	**10.769**	**-.05208**	**9.7610**	**5.1276**	**.07470**	**10.006**	**9.1866**	**.00300**
Stddev	1.03	.00026	.099	.00192	.0455	.0002	.01882	.049	.0507	.00008
%RSD	.95534	29.693	.92349	3.6798	.46574	.00314	25.197	.49129	.55170	2.5319
#1	106.74	.00104	10.699	-.05072	9.7289	5.1274	.08801	9.9708	9.1507	.00306
#2	108.19	.00068	10.840	-.05343	9.7932	5.1277	.06139	10.040	9.2224	.00295
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3870.9**	**62272.**	**6078.5**
Stddev	6.2	315.	51.7
%RSD	.16036	.50553	.85050
#1	3875.3	62495.	6115.1
#2	3866.5	62050.	6042.0

Sample Name: CCVH-1326164 Acquired: 4/9/2012 16:07:13 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00350**	**52.536**	**-.00073**	**.01117**	**.00062**	**.00002**	**1.0117**	**-.00107**	**-.00008**	**.00027**	**.00117**	**.00524**
Stddev	.00011	.093	.00146	.00095	.00019	.00001	.0001	.00153	.00013	.00001	.00023	.00061
%RSD	3.0881	.17704	199.18	8.4688	30.738	54.303	.01245	142.74	164.14	4.1414	19.970	11.608
#1	.00342	52.470	.00030	.01184	.00049	.00001	1.0118	-.00215	-.00017	.00026	.00134	.00481
#2	.00357	52.602	-.00177	.01051	.00075	.00003	1.0116	.00001	.00001	.00028	.00101	.00567
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.571**	**.08893**	**.00039**	**.00989**	**-.00002**	**.00659**	**261.72**	**.00199**	**.00508**	**-.00266**	**4.9600**	**-.00040**
Stddev	.059	.00260	.00153	.00312	.00007	.00356	.79	.00008	.00033	.00269	.0167	.00181
%RSD	.11286	2.9211	393.67	31.525	295.38	54.116	.30203	3.9282	6.4264	101.09	.33710	455.40
#1	52.529	.09076	.00147	.00768	-.00008	.00407	261.16	.00204	.00531	-.00076	4.9718	.00088
#2	52.613	.08709	-.00069	.01209	.00003	.00911	262.28	.00193	.00485	-.00457	4.9482	-.00168
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00563**	**.05120**	**.10956**	**.00289**	**.00048**	W **4.7223**	**.00538**	**.00336**	**10.373**	**.00300**	**.00144**	**-.18848**
Stddev	.00023	.00010	.00022	.00156	.00006	.0425	.00000	.00005	.079	.00008	.00005	.00431
%RSD	4.1147	.19628	.19628	54.026	11.866	.90031	.08837	1.5319	.75969	2.5679	3.4225	2.2873
#1	-.00579	.05127	.10971	.00400	.00044	4.6923	.00537	.00332	10.317	.00295	.00147	-.18543
#2	-.00547	.05112	.10941	.00179	.00052	4.7524	.00538	.00339	10.429	.00306	.00140	-.19153
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3902.6**	**61251.**	**6041.5**
Stddev	6.8	334.	20.3
%RSD	.17418	.54517	.33596
#1	3907.4	61487.	6055.9
#2	3897.8	61014.	6027.2

Sample Name: CCV-1343805 Acquired: 4/9/2012 16:09:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51494**	**.50753**	**.95190**	**.49935**	**.53822**	**.51211**	**.00047**	**5.1967**	**.50470**	**.50031**	**.50161**	**.51800**	**2.6914**
Stddev	.00053	.00204	.00014	.00086	.00158	.00035	.00164	.0241	.00105	.00004	.00073	.00273	.0091
%RSD	.10283	.40234	.01520	.17216	.29418	.06823	347.84	.46304	.20817	.00775	.14537	.52667	.33800
#1	.51531	.50609	.95200	.49874	.53710	.51186	-.00069	5.1797	.50396	.50028	.50110	.51993	2.6849
#2	.51457	.50897	.95180	.49996	.53934	.51236	.00163	5.2137	.50545	.50033	.50213	.51608	2.6978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.186**	**1.0588**	**19.929**	**.50811**	**.49724**	**5.1982**	**.50183**	**.96920**	**.96743**	**.01833**	**.98980**	**1.0263**	**5.1604**
Stddev	.178	.0021	.212	.00301	.00028	.0102	.00027	.00027	.00435	.00081	.00516	.0052	.0067
%RSD	.33541	.19935	1.0622	.59244	.05579	.19682	.05466	.02823	.44969	4.4051	.52102	.51030	.13035
#1	53.060	1.0573	19.780	.50598	.49704	5.1910	.50163	.96939	.96435	.01890	.98616	1.0226	5.1652
#2	53.313	1.0603	20.079	.51024	.49744	5.2055	.50202	.96901	.97050	.01776	.99345	1.0300	5.1557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.043**	**1.0154**	**.52758**	**.01330**	**.49795**	**1.0474**	**-.00173**	**.50868**	**.48548**	**.49659**
Stddev	.014	.0009	.00149	.00183	.00142	.0018	.00291	.00264	.00888	.00256
%RSD	.13035	.08691	.28330	13.778	.28535	.17001	168.35	.51857	1.8292	.51620
#1	11.053	1.0148	.52653	.01460	.49694	1.0487	.00033	.50681	.47920	.49478
#2	11.033	1.0160	.52864	.01201	.49895	1.0462	-.00379	.51055	.49176	.49840
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3994.2**	**62847.**	**6081.2**
Stddev	1.8	920.	6.0
%RSD	.04394	1.4631	.09833
#1	3992.9	63498.	6085.4
#2	3995.4	62197.	6077.0

Sample Name: CCB Acquired: 4/9/2012 16:11:47 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00093**	**.00080**	**.00068**	**.00340**	**-.00007**	**.00005**	**.00038**	**.00042**	**.00006**	**.00002**	**.00007**
Stddev	.00015	.00009	.00083	.00003	.00028	.00002	.00060	.00198	.00004	.00011	.00019
%RSD	16.230	11.716	122.33	.87900	384.96	33.156	156.74	470.22	71.368	518.78	253.25
#1	.00083	.00073	.00009	.00342	.00013	.00006	-.00004	.00182	.00008	.00010	.00021
#2	.00104	.00086	.00126	.00338	-.00027	.00004	.00081	-.00098	.00003	-.00005	-.00006
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00182**	**.00214**	**.02618**	**.00049**	**.00063**	**.00002**	**.00110**	**.01217**	**-.00013**	**.00241**	**-.00007**
Stddev	.00033	.00073	.02759	.00008	.00178	.00001	.00055	.00347	.00013	.00008	.00013
%RSD	18.237	33.993	105.39	15.767	283.68	90.176	50.085	28.496	103.72	3.1985	193.56
#1	-.00159	.00163	.04569	.00044	-.00063	.00001	.00071	.01462	-.00003	.00247	.00003
#2	-.00206	.00265	.00667	.00055	.00188	.00003	.00149	.00972	-.00022	.00236	-.00016
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01362**	**-.00002**	W **-.00495**	**-.01118**	**-.02392**	**.00071**	**.00004**	**.00054**	W **.00067**	**.00051**	**.01500**
Stddev	.00045	.00084	.00106	.00061	.00131	.00043	.00003	.00071	.00005	.00043	.00459
%RSD	3.2840	5410.2	21.483	5.4810	5.4810	60.277	65.409	131.31	7.8102	83.824	30.629
#1	.01394	-.00061	-.00420	-.01161	-.02484	.00041	.00007	.00004	.00071	.00081	.01175
#2	.01331	.00058	-.00570	-.01074	-.02299	.00101	.00002	.00104	.00063	.00021	.01825
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			.00486						.00060		
Low Limit			-.00486						-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00021**	**.00136**	**.00020**
Stddev	.00015	.00012	.00089
%RSD	73.510	9.2219	442.25
#1	-.00010	.00144	-.00043
#2	-.00032	.00127	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4015.9**	**63385.**	**5827.8**
Stddev	14.8	61.	2.9
%RSD	.36908	.09565	.04943
#1	4026.4	63342.	5825.7
#2	4005.5	63428.	5829.8

Sample Name: CCVL1351092 Acquired: 4/9/2012 16:14:12 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01145**	**.10583**	**.01341**	**.09493**	**.01119**	**.00104**	**.10636**	**.21442**	**.00520**	**.01034**	**.01042**	**.01446**	**.11174**	**3.3129**
Stddev	.00007	.00160	.00123	.00007	.00036	.00004	.00188	.00861	.00001	.00008	.00024	.00011	.00136	.0072
%RSD	.57198	1.5165	9.1909	.07346	3.2058	3.7725	1.7689	4.0162	.23622	.79696	2.3500	.79352	1.2129	.21705
#1	.01141	.10469	.01428	.09498	.01093	.00101	.10769	.20834	.00520	.01029	.01059	.01437	.11078	3.3180
#2	.01150	.10696	.01254	.09488	.01144	.00107	.10503	.22051	.00519	.01040	.01025	.01454	.11270	3.3078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01068**	**.20523**	**.01052**	**.01983**	**1.0972**	**.04140**	**2.7126**	**.00899**	**.01759**	**.00806**	**.01062**	**.50714**	**1.0853**	**.10249**
Stddev	.00061	.00160	.00001	.00002	.0081	.00008	.0111	.00054	.00291	.00168	.00066	.00260	.0056	.00038
%RSD	5.7489	.77764	.05754	.10547	.74132	.18541	.40982	6.0623	16.556	20.817	6.1899	.51304	.51304	.37557
#1	.01111	.20410	.01052	.01981	1.0915	.04145	2.7047	.00860	.01964	.00924	.01109	.50898	1.0892	.10221
#2	.01024	.20636	.01051	.01984	1.1030	.04135	2.7204	.00937	.01553	.00687	.01016	.50530	1.0813	.10276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01098**	**.01519**	**.01043**	**.01712**	**.05503**	**.01049**	**.02076**	**.01489**
Stddev	.00007	.00115	.00004	.00122	.00845	.00012	.00018	.00044
%RSD	.64455	7.5727	.38190	7.1061	15.352	1.1385	.87337	2.9775
#1	.01093	.01600	.01040	.01798	.06101	.01058	.02089	.01521
#2	.01103	.01437	.01046	.01626	.04906	.01041	.02063	.01458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4048.6**	**64403.**	**5870.8**
Stddev	3.5	61.	34.1
%RSD	.08702	.09412	.58064
#1	4046.1	64446.	5894.9
#2	4051.1	64361.	5846.7

Sample Name: mb 280-114446/1-a Acquired: 4/9/2012 16:16:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00270**	**-.00077**	**.00214**	**.00032**	**.00007**	**-.00060**	**.03381**	**.00008**	**-.00019**
Stddev	.00021	.00006	.00021	.00003	.00007	.00006	.00072	.00266	.00005	.00014
%RSD	21.320	2.0681	27.524	1.4670	21.397	83.451	120.96	7.8665	62.212	73.648
#1	.00112	.00274	-.00062	.00216	.00027	.00011	-.00111	.03569	.00005	-.00009
#2	.00083	.00266	-.00091	.00211	.00036	.00003	-.00009	.03193	.00012	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00083**	**.01316**	**.00353**	**.00154**	**.00677**	**.00019**	**-.00008**	**.23915**	**.00070**
Stddev	.00013	.00021	.00051	.00287	.00125	.00107	.00000	.00020	.00631	.00002
%RSD	65.573	25.038	3.8523	81.254	81.182	15.752	.98350	238.35	2.6403	3.3126
#1	.00029	-.00098	.01280	.00555	.00066	.00601	.00019	-.00022	.24361	.00072
#2	.00011	-.00069	.01352	.00150	.00243	.00752	.00019	.00006	.23468	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00517**	**.00001**	F **.04223**	**-.00021**	**-.00087**	F **.01519**	**.03251**	**.00759**	**.00006**	**.00158**
Stddev	.00119	.00013	.00145	.00062	.00397	.00971	.02077	.00038	.00003	.00042
%RSD	23.039	940.84	3.4307	301.32	456.76	63.891	63.891	4.9683	53.980	26.758
#1	.00601	-.00008	.04120	.00023	-.00368	.02205	.04720	.00785	.00009	.00188
#2	.00433	.00011	.04325	-.00065	.00194	.00833	.01782	.00732	.00004	.00128
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000			.01000				
Low Limit	-.00500		-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**-.00043**	**-.00451**	**.00028**	**.00237**	**-.00050**
Stddev	.00015	.00018	.00758	.00039	.00011	.00009
%RSD	15.691	42.941	168.14	138.75	4.4493	18.730
#1	.00085	-.00030	-.00987	.00055	.00230	-.00057
#2	.00107	-.00056	.00085	.00001	.00244	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.0**	**65382.**	**5990.1**
Stddev	5.3	184.	36.2
%RSD	.12846	.28203	.60471
#1	4120.7	65252.	5964.5
#2	4113.2	65512.	6015.7

Sample Name: lcs 280-114446/2-a Acquired: 4/9/2012 16:19:01 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05556	1.9307	.98269	.98115	2.2225	.05301	2.1375	53.038	.10436	.50242
Stddev	.00017	.0085	.00015	.00267	.0063	.00032	.0032	.061	.00030	.00052
%RSD	.29949	.44052	.01519	.27230	.28249	.59831	.15194	.11519	.29114	.10265
#1	.05568	1.9247	.98258	.97926	2.2180	.05323	2.1352	52.995	.10457	.50205
#2	.05544	1.9367	.98280	.98304	2.2269	.05279	2.1398	53.082	.10414	.50278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20520	.26843	1.1216	F 55.646	1.0938	50.348	.52627	1.0279	F 56.306	.51189
Stddev	.00051	.00112	.0024	.204	.0035	.076	.00069	.0012	.162	.00220
%RSD	.24888	.41823	.21195	.36616	.31876	.15152	.13144	.11742	.28687	.42981
#1	.20556	.26764	1.1233	55.502	1.0913	50.294	.52578	1.0270	56.421	.51033
#2	.20484	.26923	1.1199	55.790	1.0962	50.402	.52676	1.0287	56.192	.51344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				55.000					56.000	
Low Limit				44.500					45.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.039	.48395	.05936	.48707	2.0979	1.4791	F 3.1654	2.0676	F 1.1033	.98216
Stddev	.014	.00231	.00025	.00094	.0137	.0092	.0196	.0011	.0020	.00480
%RSD	.14238	.47789	.42740	.19402	.65293	.61983	.61983	.05198	.17810	.48910
#1	10.029	.48231	.05918	.48774	2.0882	1.4727	3.1515	2.0684	1.1019	.97876
#2	10.049	.48559	.05954	.48640	2.1075	1.4856	3.1792	2.0669	1.1047	.98555
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							14.980		1.1000	
Low Limit							2.1400		.89000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0334	2.0617	F 2.2144	.52519	.49332	.46839
Stddev	.0046	.0010	.0037	.00195	.00152	.00180
%RSD	.44718	.04725	.16709	.37074	.30827	.38439
#1	1.0301	2.0610	2.2170	.52381	.49440	.46712
#2	1.0367	2.0624	2.2118	.52657	.49225	.46966
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3868.7	60755.	5838.1
Stddev	6.9	74.	40.5
%RSD	.17931	.12208	.69399
#1	3863.8	60807.	5866.8
#2	3873.6	60703.	5809.5

Sample Name: 280-27310-a-1-h Acquired: 4/9/2012 16:21:11 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**34.429**	**.01498**	**.00472**	**.45735**	**.00310**	**-.00872**	**50.716**	**.00055**	**.05242**
Stddev	.00007	.092	.00068	.00043	.00166	.00009	.00387	.024	.00001	.00001
%RSD	8.2203	.26699	4.5184	9.0974	.36402	2.8976	44.402	.04729	1.0119	.01902
#1	.00092	34.494	.01450	.00502	.45853	.00304	-.01146	50.733	.00054	.05242
#2	.00082	34.364	.01546	.00442	.45617	.00317	-.00598	50.699	.00055	.05241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03733**	**.13210**	**153.25**	**4.2207**	**.03386**	**23.641**	**1.6162**	**.00282**	**2.5584**	**.04708**
Stddev	.00019	.00014	.50	.0248	.00071	.049	.0050	.00089	.0045	.00059
%RSD	.50244	.10571	.32639	.58801	2.1020	.20634	.31254	31.514	.17426	1.2470
#1	.03720	.13200	153.60	4.2382	.03437	23.607	1.6127	.00219	2.5615	.04666
#2	.03746	.13219	152.89	4.2031	.03336	23.676	1.6198	.00345	2.5552	.04749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6873**	**.01635**	**.73861**	**.00127**	**-.00046**	**2.0412**	**4.3682**	**.00650**	**.19465**	**.00486**
Stddev	.0223	.00159	.00184	.00062	.00498	.0008	.0017	.00008	.00041	.00036
%RSD	.33393	9.7081	.24896	49.189	1077.6	.03972	.03972	1.1875	.20987	7.3795
#1	6.6715	.01523	.73731	.00171	-.00399	2.0406	4.3669	.00656	.19494	.00511
#2	6.7031	.01748	.73991	.00083	.00306	2.0418	4.3694	.00645	.19436	.00461
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.343**	**.00285**	W **-.06911**	**.34876**	**.24169**	**.12500**
Stddev	.140	.00101	.02529	.00129	.00251	.00245
%RSD	1.2340	35.440	36.593	.36876	1.0377	1.9592
#1	11.244	.00214	-.08699	.34785	.23992	.12673
#2	11.442	.00356	-.05123	.34967	.24347	.12327
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4299.4**	**67066.**	**6494.2**
Stddev	6.3	54.	11.4
%RSD	.14636	.08103	.17479
#1	4303.9	67028.	6486.2
#2	4295.0	67104.	6502.2

Sample Name: 280-27310-a-1-hSD@5 Acquired: 4/9/2012 16:23:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00093	7.5788	.00543	.00203	.10073	.00074	.00108	11.098	-.00013	.01206
Stddev	.00089	.0072	.00334	.00066	.00037	.00000	.00098	.022	.00036	.00001
%RSD	96.146	.09555	61.434	32.659	.36727	.05242	90.514	.19581	265.83	.06590
#1	.00030	7.5839	.00307	.00250	.10047	.00074	.00039	11.113	.00012	.01207
#2	.00155	7.5737	.00779	.00156	.10099	.00074	.00178	11.082	-.00039	.01206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00858	.02776	33.589	.95253	.00751	5.3631	.35448	-.00008	.56084	.01078
Stddev	.00007	.00091	.004	.02956	.00036	.0106	.00026	.00005	.00423	.00004
%RSD	.79686	3.2947	.01087	3.1030	4.8264	.19701	.07382	64.205	.75411	.33233
#1	.00863	.02712	33.591	.93163	.00725	5.3556	.35430	-.00012	.55785	.01075
#2	.00853	.02841	33.586	.97343	.00776	5.3705	.35467	-.00005	.56383	.01080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4718	.00423	.16870	-.00220	.00310	.53769	1.1507	.00064	.04297	.00234
Stddev	.0010	.00123	.00244	.00165	.00124	.02708	.0580	.00084	.00010	.00158
%RSD	.07112	29.162	1.4479	75.142	40.068	5.0370	5.0370	131.61	.23572	67.283
#1	1.4710	.00511	.16697	-.00336	.00398	.55684	1.1916	.00004	.04290	.00346
#2	1.4725	.00336	.17043	-.00103	.00222	.51854	1.1097	.00123	.04304	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4787	.00158	-.02272	.07514	.05544	.02777
Stddev	.0036	.00120	.01558	.00058	.00026	.00030
%RSD	.14553	75.721	68.566	.77643	.46705	1.0771
#1	2.4761	.00073	-.03373	.07473	.05562	.02756
#2	2.4812	.00242	-.01170	.07555	.05526	.02798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4167.0	65062.	6037.3
Stddev	13.0	39.	30.8
%RSD	.31101	.06039	.51069
#1	4176.1	65034.	6059.1
#2	4157.8	65090.	6015.5

Sample Name: 280-27310-a-1-i du Acquired: 4/9/2012 16:25:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**47.125**	**.00910**	**.00291**	**.70810**	**.00447**	**-.01039**	**60.314**	**.00118**	**.07044**
Stddev	.00010	.004	.00214	.00042	.00151	.00001	.00039	.016	.00003	.00064
%RSD	10.290	.00923	23.559	14.489	.21382	.27561	3.7320	.02701	2.8379	.91023
#1	.00107	47.122	.01062	.00321	.70703	.00448	-.01067	60.303	.00120	.07089
#2	.00093	47.128	.00759	.00261	.70917	.00447	-.01012	60.326	.00116	.06998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03471**	**.15049**	**209.91**	**4.6138**	**.04090**	**40.133**	**2.6513**	**.00039**	**3.6901**	**.05518**
Stddev	.00032	.00078	.91	.0180	.00012	.251	.0184	.00009	.0101	.00008
%RSD	.91362	.51612	.43252	.38935	.29623	.62563	.69351	24.067	.27357	.14979
#1	.03493	.14994	209.27	4.6011	.04081	39.955	2.6383	.00046	3.6972	.05512
#2	.03448	.15104	210.55	4.6265	.04099	40.310	2.6643	.00033	3.6829	.05524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.344**	**.02240**	**.52479**	**-.00160**	W **-.00573**	**1.6017**	**3.4276**	**.00579**	**.28433**	**.00372**
Stddev	.060	.00051	.00370	.00022	.00323	.0118	.0251	.00110	.00023	.00040
%RSD	.58295	2.2636	.70428	13.471	56.353	.73359	.73359	18.925	.08153	10.657
#1	10.387	.02276	.52741	-.00145	-.00802	1.5934	3.4099	.00502	.28416	.00344
#2	10.301	.02204	.52218	-.00176	-.00345	1.6100	3.4454	.00657	.28449	.00400
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.845**	**.00137**	W **-.05767**	**.46376**	**.35147**	**.19557**
Stddev	.038	.00026	.01400	.00170	.00003	.00124
%RSD	.25590	18.672	24.280	.36645	.00940	.63646
#1	14.872	.00119	-.06757	.46255	.35145	.19645
#2	14.818	.00156	-.04777	.46496	.35149	.19469
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4434.7**	**69189.**	**6734.2**
Stddev	16.9	229.	19.8
%RSD	.38042	.33117	.29419
#1	4422.8	69351.	6748.2
#2	4446.6	69027.	6720.2

Sample Name: 280-27310-a-1-j ms Acquired: 4/9/2012 16:28:21 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05070**	**55.733**	**.88864**	**.84471**	**2.4724**	**.05077**	F **1.8872**	**108.40**	**.09354**	**.50982**
Stddev	.00033	.056	.00419	.00299	.0002	.00007	.0022	.12	.00015	.00103
%RSD	.65814	.10092	.47096	.35356	.00653	.13534	.11599	.11220	.15709	.20236
#1	.05093	55.772	.88568	.84260	2.4725	.05082	1.8856	108.49	.09343	.50909
#2	.05046	55.693	.89160	.84682	2.4723	.05072	1.8887	108.31	.09364	.51055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24338**	**.40024**	**229.67**	**57.408**	**1.0231**	**84.144**	**3.0970**	**.89124**	**55.480**	**.50776**
Stddev	.00101	.00207	.68	.026	.0009	.062	.0354	.00340	.140	.00093
%RSD	.41660	.51809	.29825	.04570	.09084	.07323	1.1440	.38146	.25316	.18397
#1	.24267	.40171	230.15	57.427	1.0237	84.100	3.1220	.88884	55.580	.50710
#2	.24410	.39878	229.18	57.390	1.0224	84.187	3.0719	.89364	55.381	.50842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.650**	**.43582**	**.70690**	**.33156**	**1.8375**	**5.5966**	**11.977**	**1.7392**	**1.2572**	**.88801**
Stddev	.065	.00076	.00033	.00187	.0003	.0311	.067	.0051	.0018	.00020
%RSD	.34734	.17411	.04690	.56263	.01394	.55530	.55530	.29337	.14312	.02199
#1	18.604	.43528	.70666	.33024	1.8377	5.6186	12.024	1.7356	1.2585	.88815
#2	18.696	.43636	.70713	.33287	1.8373	5.5746	11.930	1.7429	1.2560	.88787
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.051**	**1.7478**	**1.8797**	**1.0759**	**.78556**	**.58633**
Stddev	.056	.0066	.0031	.0025	.00430	.00103
%RSD	.34816	.37892	.16632	.22951	.54800	.17646
#1	16.011	1.7432	1.8775	1.0777	.78252	.58560
#2	16.090	1.7525	1.8820	1.0742	.78861	.58706
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4250.2**	**66201.**	**6587.9**
Stddev	7.0	16.	2.8
%RSD	.16585	.02442	.04231
#1	4245.2	66190.	6586.0
#2	4255.1	66213.	6589.9

Sample Name: 280-27310-a-2-h Acquired: 4/9/2012 16:30:41 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00121	84.808	.02705	.01654	.84616	.00476	-.00628	38.735	.00086	.07455
Stddev	.00011	.788	.00297	.00043	.00778	.00007	.00117	.445	.00016	.00040
%RSD	9.4048	.92911	10.979	2.6294	.91915	1.5343	18.629	1.1491	19.025	.54326
#1	.00129	84.251	.02915	.01685	.84066	.00482	-.00546	38.420	.00098	.07484
#2	.00113	85.365	.02495	.01623	.85166	.00471	-.00711	39.050	.00075	.07426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10533	.13572	216.41	17.817	.06989	33.504	3.0977	.00262	2.1447	.09336
Stddev	.00037	.00005	1.71	.117	.00116	.054	.0152	.00021	.0220	.00001
%RSD	.35019	.03748	.79032	.65945	1.6601	.16235	.49125	8.0809	1.0246	.01384
#1	.10559	.13568	215.20	17.734	.06907	33.465	3.1085	.00247	2.1291	.09335
#2	.10507	.13575	217.62	17.900	.07071	33.542	3.0870	.00277	2.1602	.09337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 7.9817	.04015	.42747	-.00056	W -.00635	4.3793	9.3717	.00877	.25387	.01883
Stddev	.0648	.00115	.00212	.00231	.00283	.0130	.0278	.00101	.00215	.00327
%RSD	.81234	2.8642	.49558	414.98	44.529	.29650	.29650	11.499	.84703	17.391
#1	8.0275	.04097	.42597	-.00219	-.00834	4.3701	9.3521	.00948	.25235	.02114
#2	7.9358	.03934	.42896	.00108	-.00435	4.3885	9.3914	.00806	.25539	.01651
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.053	.00020	W -.06410	.49441	.37767	.17794
Stddev	.161	.00090	.02535	.00059	.00223	.00139
%RSD	1.4576	458.21	39.537	.11975	.59015	.78376
#1	11.167	.00083	-.04618	.49483	.37609	.17696
#2	10.939	-.00044	-.08203	.49399	.37924	.17893
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4314.5	66836.	6596.0
Stddev	17.7	83.	49.8
%RSD	.40934	.12437	.75536
#1	4302.0	66777.	6631.2
#2	4327.0	66895.	6560.8

Sample Name: 280-27310-a-3-h Acquired: 4/9/2012 16:33:05 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**101.71**	**.02938**	**.02972**	**.90033**	**.00511**	**-.00696**	**38.579**	**.00099**	**.07093**
Stddev	.00040	.62	.00583	.00045	.00645	.00010	.00022	.192	.00006	.00048
%RSD	37.746	.60961	19.849	1.5008	.71614	1.9505	3.1132	.49665	5.9874	.67300
#1	.00134	101.27	.03350	.03003	.89577	.00518	-.00680	38.443	.00095	.07059
#2	.00077	102.15	.02526	.02940	.90489	.00504	-.00711	38.714	.00103	.07126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13671**	**.14600**	**210.39**	**23.722**	**.07971**	**45.294**	**3.4452**	**.00094**	**2.7385**	**.13882**
Stddev	.00010	.00295	1.85	.102	.00017	1.189	.0908	.00011	.0136	.00014
%RSD	.07550	2.0204	.87945	.42869	.21317	2.6254	2.6348	11.697	.49792	.10290
#1	.13664	.14808	209.09	23.651	.07983	46.135	3.5093	.00101	2.7289	.13892
#2	.13678	.14391	211.70	23.794	.07959	44.453	3.3810	.00086	2.7482	.13872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.2762**	**.04485**	**.39309**	**-.00127**	W **-.00573**	**5.3615**	**11.474**	**.00949**	**.28832**	**.02509**
Stddev	.0234	.00034	.00212	.00016	.00385	.0849	.182	.00143	.00252	.00775
%RSD	.37239	.76052	.53946	12.678	67.214	1.5827	1.5827	15.103	.87490	30.886
#1	6.2928	.04509	.39159	-.00138	-.00845	5.3015	11.345	.01050	.28654	.03057
#2	6.2597	.04461	.39459	-.00115	-.00301	5.4215	11.602	.00847	.29011	.01961
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.144**	**.00046**	W **-.09650**	**.42519**	**.42351**	**.17248**
Stddev	.286	.00167	.00918	.01069	.01430	.00113
%RSD	2.5670	364.27	9.5116	2.5148	3.3759	.65568
#1	11.347	.00164	-.09001	.43275	.43361	.17328
#2	10.942	-.00072	-.10299	.41763	.41340	.17168
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4249.1**	**64853.**	**6442.4**
Stddev	7.4	1619.	18.9
%RSD	.17452	2.4956	.29382
#1	4243.9	63708.	6455.8
#2	4254.4	65997.	6429.0

Sample Name: 280-27310-a-4-f Acquired: 4/9/2012 16:35:26 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**46.506**	**.01844**	**.00306**	**.75237**	**.00565**	**-.01708**	**67.486**	**.00056**	**.09314**
Stddev	.00022	.274	.00019	.00003	.00392	.00048	.00204	.382	.00014	.00310
%RSD	16.212	.58823	1.0055	.98296	.52137	8.4207	11.935	.56591	24.770	3.3316
#1	.00118	46.313	.01831	.00304	.74959	.00532	-.01852	67.216	.00066	.09534
#2	.00148	46.699	.01857	.00308	.75514	.00599	-.01564	67.756	.00046	.09095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06641**	**.17844**	**293.84**	**7.3217**	**.03718**	**40.658**	**3.3730**	**.00166**	**5.3982**	**.08364**
Stddev	.00044	.00402	1.19	.0213	.00180	.935	.0704	.00029	.0313	.00027
%RSD	.65879	2.2547	.40612	.29086	4.8466	2.2985	2.0880	17.226	.58026	.32689
#1	.06672	.17560	293.00	7.3066	.03591	39.997	3.3232	.00146	5.3760	.08383
#2	.06610	.18129	294.69	7.3368	.03846	41.319	3.4228	.00186	5.4203	.08344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.838**	**.02622**	**3.7162**	**-.00485**	W **-.00963**	**1.7846**	**3.8191**	**.00596**	**.29986**	**-.00107**
Stddev	.044	.00096	.0213	.00120	.00329	.0223	.0478	.00334	.00193	.00313
%RSD	.34531	3.6630	.57393	24.657	34.201	1.2516	1.2516	55.974	.64394	293.35
#1	12.869	.02554	3.7313	-.00570	-.01195	1.8004	3.8529	.00360	.29849	-.00328
#2	12.807	.02690	3.7011	-.00401	-.00730	1.7688	3.7853	.00832	.30122	.00115
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **22.654**	**.00272**	W **-.05864**	**.71548**	**.46927**	**.26464**
Stddev	1.127	.00011	.00718	.01483	.01401	.00052
%RSD	4.9729	4.0194	12.243	2.0723	2.9854	.19595
#1	21.857	.00279	-.05356	.70499	.45936	.26501
#2	23.450	.00264	-.06371	.72596	.47917	.26427
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4556.7**	**70981.**	**7047.6**
Stddev	4.5	969.	12.8
%RSD	.09846	1.3654	.18214
#1	4559.9	71666.	7038.6
#2	4553.6	70296.	7056.7

Sample Name: 280-27310-a-5-j Acquired: 4/9/2012 16:37:59 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**53.531**	**.02101**	**.00217**	**.57633**	**.00495**	**-.01202**	**67.117**	**.00056**	**.09408**
Stddev	.00020	.251	.00020	.00008	.00252	.00016	.00084	.360	.00011	.00154
%RSD	14.953	.46890	.94518	3.5735	.43790	3.2728	7.0001	.53612	18.668	1.6338
#1	.00118	53.708	.02087	.00212	.57812	.00483	-.01261	67.371	.00049	.09517
#2	.00145	53.353	.02115	.00223	.57455	.00506	-.01142	66.862	.00064	.09300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05175**	**.23199**	**265.59**	**6.2451**	**.05179**	**35.734**	**2.9786**	**.00127**	**2.4416**	**.07036**
Stddev	.00074	.00094	2.26	.1029	.00160	.029	.0083	.00017	.0187	.00031
%RSD	1.4296	.40601	.84912	1.6470	3.0931	.08209	.27725	13.262	.76618	.44115
#1	.05227	.23132	267.18	6.3178	.05293	35.713	2.9844	.00115	2.4548	.07058
#2	.05123	.23266	264.00	6.1724	.05066	35.755	2.9727	.00139	2.4283	.07014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.288**	**.02366**	**.97812**	**-.00269**	W **-.00775**	**2.0933**	**4.4797**	**.00741**	**.20983**	**-.00165**
Stddev	.033	.00070	.00207	.00166	.00120	.0402	.0860	.00150	.00100	.00042
%RSD	.27028	2.9427	.21116	61.812	15.452	1.9202	1.9202	20.285	.47640	25.656
#1	12.311	.02416	.97958	-.00151	-.00859	2.0649	4.4188	.00635	.21054	-.00194
#2	12.264	.02317	.97666	-.00386	-.00690	2.1217	4.5405	.00847	.20912	-.00135
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **17.922**	**.00136**	W **-.07672**	**.65542**	**.39469**	**.21624**
Stddev	.243	.00045	.02358	.00016	.00088	.00079
%RSD	1.3544	33.280	30.737	.02446	.22305	.36454
#1	17.751	.00167	-.09339	.65553	.39407	.21680
#2	18.094	.00104	-.06005	.65531	.39532	.21568
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4505.8**	**70434.**	**6962.8**
Stddev	10.4	59.	4.2
%RSD	.22971	.08381	.06023
#1	4498.5	70476.	6959.9
#2	4513.1	70393.	6965.8

Sample Name: CCVH-1326164 Acquired: 4/9/2012 16:40:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**53.016**	**-.00239**	**.00266**	**.00032**	**.00011**	**.98909**	**-.00499**	**-.00013**	**.00020**	**.00112**	**.00377**
Stddev	.00004	.152	.00215	.00034	.00011	.00002	.00543	.00367	.00004	.00020	.00002	.00022
%RSD	1.1086	.28748	89.700	12.815	35.683	13.874	.54864	73.602	30.869	102.36	2.0057	5.8069
#1	.00358	52.908	-.00391	.00290	.00040	.00010	.98526	-.00239	-.00011	.00034	.00110	.00362
#2	.00364	53.123	-.00088	.00242	.00024	.00012	.99293	-.00758	-.00016	.00006	.00113	.00393
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.590**	**.06715**	**-.00136**	**.00311**	**-.00019**	**-.00078**	**263.77**	**.00197**	**.00537**	**-.00447**	**4.8880**	**-.00399**
Stddev	.215	.02518	.00107	.00045	.00000	.00009	1.15	.00012	.00105	.00027	.0055	.00248
%RSD	.40206	37.495	78.666	14.606	.80021	11.356	.43441	6.1982	19.500	6.0530	.11277	62.062
#1	53.438	.04935	-.00060	.00279	-.00019	-.00071	262.96	.00188	.00611	-.00466	4.8841	-.00574
#2	53.742	.08496	-.00211	.00343	-.00019	-.00084	264.58	.00206	.00463	-.00428	4.8919	-.00224
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00469**	**.01874**	**.04010**	**.00210**	**.00039**	W **4.6382**	**.00958**	**.00052**	**10.309**	**.00240**	**.00130**	**-.18672**
Stddev	.00202	.00531	.01137	.00155	.00003	.0471	.00029	.00072	.051	.00006	.00060	.00449
%RSD	43.111	28.356	28.356	74.159	8.0220	1.0165	3.0086	136.83	.49485	2.3299	46.294	2.4071
#1	-.00326	.01498	.03206	.00319	.00041	4.6715	.00978	.00103	10.345	.00244	.00087	-.18990
#2	-.00612	.02250	.04814	.00100	.00037	4.6049	.00938	.00002	10.273	.00236	.00172	-.18354
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3957.0**	**61777.**	**5986.4**
Stddev	16.3	224.	42.5
%RSD	.41296	.36271	.70919
#1	3968.6	61618.	6016.5
#2	3945.5	61935.	5956.4

Sample Name: CCV-1343805 Acquired: 4/9/2012 16:42:55 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51857**	**.50203**	**.94226**	**.48736**	**.54108**	**.50722**	**.00073**	**5.1868**	**.49983**	**.49733**	**.49808**	**.51857**	**2.7239**	**53.652**
Stddev	.00114	.00041	.00356	.00021	.00166	.00146	.00213	.0210	.00054	.00039	.00127	.00174	.0035	.047
%RSD	.21979	.08219	.37765	.04234	.30596	.28768	293.41	.40556	.10898	.07832	.25515	.33595	.13006	.08794
#1	.51776	.50232	.93975	.48722	.53991	.50618	.00223	5.1719	.50022	.49706	.49718	.51733	2.7214	53.618
#2	.51937	.50173	.94478	.48751	.54226	.50825	-.00078	5.2017	.49945	.49761	.49897	.51980	2.7264	53.685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0467**	**20.125**	**.51209**	**.49425**	**5.1143**	**.49826**	**.95569**	**.94314**	**.01062**	**.98162**	**1.0355**	**5.1161**	**10.948**	**1.0141**
Stddev	.0044	.143	.00220	.00140	.0150	.00033	.00136	.00280	.00216	.00368	.0013	.0655	.140	.0012
%RSD	.42272	.71025	.42963	.28261	.29258	.06604	.14259	.29659	20.371	.37487	.12293	1.2797	1.2797	.11824
#1	1.0436	20.024	.51053	.49524	5.1037	.49849	.95473	.94116	.01215	.97902	1.0364	5.0698	10.849	1.0150
#2	1.0499	20.226	.51364	.49326	5.1249	.49803	.95665	.94512	.00909	.98422	1.0346	5.1624	11.047	1.0133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52975**	**.01318**	**.49665**	**1.0363**	**.00312**	**.50735**	**.48582**	**.48643**
Stddev	.00192	.00102	.00312	.0009	.03481	.00307	.00613	.00479
%RSD	.36336	7.7291	.62850	.08879	1114.5	.60491	1.2613	.98535
#1	.52839	.01246	.49444	1.0370	.02774	.50518	.48149	.48304
#2	.53111	.01390	.49886	1.0357	-.02149	.50952	.49015	.48982
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.5**	**63269.**	**5966.6**
Stddev	5.8	145.	15.8
%RSD	.14266	.22972	.26555
#1	4068.4	63371.	5955.4
#2	4076.6	63166.	5977.8

Sample Name: CCB Acquired: 4/9/2012 16:45:08 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00152**	**.00049**	W **.00464**	**.00050**	**.00008**	**.00008**	**-.00202**	**-.00279**	**.00000**	**.00000**	**-.00009**
Stddev	.00007	.00025	.00280	.00008	.00015	.00002	.00129	.00172	.00004	.0002	.00023
%RSD	4.8610	51.764	60.507	15.886	188.06	19.959	63.553	61.685	8615.9	6248.6	258.75
#1	.00147	.00031	.00265	.00056	.00019	.00007	-.00111	-.00400	.00003	-.00012	-.00025
#2	.00157	.00067	.00662	.00044	-.00003	.00009	-.00293	-.00157	-.00003	.00012	.00007
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093		.00441								
Low Limit	-.00093		-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00182**	**.00248**	**.00049**	**-.00096**	**-.00080**	**.00006**	**.00078**	**-.00196**	**.00038**	**.00039**	**.00049**
Stddev	.00010	.00222	.02416	.00016	.00106	.00002	.00077	.00666	.00048	.00016	.00023
%RSD	5.4452	89.296	4941.9	16.658	133.43	33.132	98.606	339.09	124.33	40.004	46.546
#1	-.00175	.00091	.01757	-.00085	-.00155	.00004	.00024	-.00667	.00005	.00028	.00065
#2	-.00189	.00405	-.01660	-.00107	-.00004	.00007	.00132	.00274	.00072	.00050	.00033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00341**	**.00121**	**.00061**	**-.00721**	**-.01542**	**.00072**	**.00000**	**.00061**	W **.00079**	**.00063**	**-.00940**
Stddev	.00152	.00045	.00312	.01153	.02467	.00051	.00005	.00110	.00020	.00119	.00424
%RSD	44.673	37.468	515.20	159.95	159.95	71.269	20172.	180.98	25.990	190.12	45.051
#1	.00449	.00153	-.00160	-.01536	-.03286	.00109	-.00004	.00139	.00093	.00147	-.00641
#2	.00233	.00089	.00282	.00094	.00202	.00036	.00004	-.00017	.00064	-.00022	-.01240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit									.00060		
Low Limit									-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00002**	**.00150**	**.00215**
Stddev	.00027	.00010	.00042
%RSD	1563.9	6.9917	19.701
#1	-.00021	.00143	.00245
#2	.00017	.00157	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4082.1**	**64596.**	**5869.1**
Stddev	2.6	29.	16.8
%RSD	.06442	.04416	.28580
#1	4084.0	64617.	5857.2
#2	4080.3	64576.	5880.9

Sample Name: CCVL1351092 Acquired: 4/9/2012 16:47:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01155**	**.10880**	**.01409**	**.09247**	**.01122**	**.00113**	**.10614**	**.21125**	**.00495**	**.01024**	**.01026**	**.01460**	**.10953**
Stddev	.00047	.00092	.00246	.00069	.00006	.00003	.00090	.00137	.00007	.00014	.00001	.00029	.00071
%RSD	4.0961	.84678	17.486	.74140	.55959	2.6832	.84670	.64911	1.4824	1.3961	.13707	1.9924	.64896
#1	.01188	.10815	.01235	.09296	.01127	.00115	.10550	.21028	.00489	.01034	.01025	.01439	.11003
#2	.01121	.10945	.01584	.09199	.01118	.00111	.10677	.21222	.00500	.01014	.01027	.01480	.10903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3379**	F **.01340**	**.20525**	**.01068**	**.01985**	**1.0935**	**.04127**	**2.6978**	**.01027**	**.00377**	**.00725**	**.01380**	**.50879**
Stddev	.0217	.00252	.00014	.00010	.00010	.0045	.00023	.0129	.00119	.00323	.00021	.00247	.00431
%RSD	.65036	18.790	.06797	.97415	.50284	.40699	.56575	.47658	11.593	85.901	2.9562	17.920	.84767
#1	3.3225	.01162	.20535	.01075	.01992	1.0903	.04143	2.7069	.01111	.00605	.00709	.01205	.50574
#2	3.3532	.01518	.20516	.01061	.01977	1.0966	.04110	2.6887	.00943	.00148	.00740	.01554	.51184
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0888**	**.10216**	**.01100**	**.01571**	**.01025**	**.01515**	**.05251**	**.01012**	**.02183**	**.01407**
Stddev	.0092	.00002	.00003	.00121	.00002	.00058	.00440	.00013	.00006	.00080
%RSD	.84767	.01969	.25632	7.7344	.19836	3.8065	8.3728	1.3010	.27462	5.7134
#1	1.0823	.10217	.01098	.01657	.01024	.01556	.04940	.01021	.02178	.01464
#2	1.0953	.10214	.01102	.01485	.01027	.01474	.05562	.01003	.02187	.01350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.2**	**64656.**	**5979.5**
Stddev	20.2	301.	13.6
%RSD	.49104	.46534	.22748
#1	4101.9	64869.	5989.1
#2	4130.5	64444.	5969.9

Sample Name: mb 280-114445/1-a Acquired: 4/9/2012 16:49:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00186**	**.00104**	**.00071**	**.00006**	**.00008**	**-.00215**	**.00282**	**-.00001**	**.00002**
Stddev	.00039	.00032	.00149	.00023	.00004	.00001	.00135	.00115	.00001	.00017
%RSD	27.029	17.238	143.54	32.378	69.646	15.109	62.883	40.782	138.42	758.04
#1	.00173	.00164	-.00002	.00087	.00003	.00007	-.00120	.00201	-.00002	.00014
#2	.00117	.00209	.00209	.00054	.00009	.00009	-.00311	.00364	.00000	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00097**	**-.00196**	**.00608**	**.00347**	**.00033**	**.00139**	**.00002**	**-.00008**	**-.00466**	**-.00002**
Stddev	.00027	.00007	.00011	.02214	.00194	.00026	.00002	.00010	.00482	.00022
%RSD	27.697	3.7175	1.7518	637.78	586.94	18.999	99.952	121.13	103.54	971.62
#1	.00116	-.00201	.00600	.01913	-.00104	.00158	.00004	-.00001	-.00806	-.00018
#2	.00078	-.00191	.00615	-.01218	.00171	.00120	.00001	-.00015	-.00125	.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00064									
Low Limit	-.00500									

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00058**	F **.01192**	**-.00061**	**-.00219**	**.00104**	**.00223**	**.00003**	**.00010**	W **.00119**
Stddev	.00069	.00116	.00174	.00001	.00250	.00312	.00668	.00049	.00000	.00101
%RSD	178.79	199.39	14.578	1.0522	113.93	298.87	298.87	1702.1	1.9785	84.472
#1	.00010	.00140	.01315	-.00062	-.00043	.00325	.00696	.00037	.00010	.00048
#2	-.00087	-.00024	.01069	-.00061	-.00396	-.00116	-.00249	-.00032	.00010	.00190
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00054**	**-.00519**	**.00008**	**.00209**	**.00086**
Stddev	.00005	.00007	.01172	.00016	.00043	.00065
%RSD	22.645	12.626	225.78	188.51	20.336	75.690
#1	.00020	-.00058	-.01348	-.00003	.00179	.00040
#2	.00028	-.00049	.00310	.00019	.00240	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.8**	**64749.**	**5997.3**
Stddev	.8	464.	24.8
%RSD	.01961	.71609	.41293
#1	4116.2	65076.	6014.8
#2	4117.4	64421.	5979.7

Sample Name: lcs 280-114445/2-a Acquired: 4/9/2012 16:52:23 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05415**	**1.8775**	**.93128**	**.95395**	**2.1816**	**.05173**	**2.0359**	**51.683**	**.10011**	**.48676**
Stddev	.00031	.0041	.00486	.00147	.0045	.00004	.0015	.024	.00040	.00077
%RSD	.56688	.22021	.52160	.15357	.20729	.07513	.07634	.04631	.40444	.15796
#1	.05393	1.8805	.93471	.95499	2.1784	.05171	2.0348	51.666	.10039	.48730
#2	.05436	1.8746	.92784	.95292	2.1848	.05176	2.0370	51.700	.09982	.48621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19905**	**.25902**	**1.0955**	**54.677**	**1.0610**	**49.745**	**.52033**	**1.0023**	**55.006**	**.49413**
Stddev	.00051	.00043	.0044	.191	.0007	.031	.00050	.0023	.363	.00117
%RSD	.25830	.16766	.40496	.34859	.06665	.06208	.09561	.22556	.66073	.23673
#1	.19942	.25871	1.0924	54.543	1.0605	49.723	.52068	1.0039	54.749	.49495
#2	.19869	.25932	1.0987	54.812	1.0615	49.767	.51998	1.0007	55.263	.49330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5704**	**.46380**	**.02019**	**.46428**	**2.0286**	**10.508**	F **22.487**	**2.0188**	**1.0824**	**.96401**
Stddev	.0022	.00371	.00503	.00075	.0014	.009	.020	.0005	.0026	.00375
%RSD	.02243	.80046	24.913	.16144	.07099	.08735	.08735	.02484	.23865	.38863
#1	9.5719	.46642	.01663	.46481	2.0296	10.515	22.501	2.0191	1.0806	.96136
#2	9.5689	.46117	.02375	.46375	2.0276	10.502	22.474	2.0184	1.0842	.96666
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0134**	**2.0043**	**2.1748**	**.51826**	**.48955**	**.46026**
Stddev	.0003	.0070	.0092	.00031	.00060	.00254
%RSD	.02848	.35193	.42277	.05950	.12316	.55129
#1	1.0132	2.0093	2.1683	.51848	.48912	.46206
#2	1.0136	1.9993	2.1813	.51804	.48998	.45847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3927.2**	**60631.**	**5782.9**
Stddev	2.2	53.	13.3
%RSD	.05696	.08787	.22925
#1	3925.6	60593.	5792.3
#2	3928.8	60668.	5773.5

Sample Name: lcsd 280-114445/3-a Acquired: 4/9/2012 16:54:33 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05386**	**1.8580**	**.92451**	**.94484**	**2.1906**	**.05186**	**2.0214**	**51.876**	**.09945**	**.48190**
Stddev	.00053	.0210	.01236	.01552	.0020	.00018	.0257	.070	.00147	.00538
%RSD	.97652	1.1298	1.3371	1.6426	.08941	.35205	1.2702	.13524	1.4824	1.1156
#1	.05349	1.8432	.91577	.93386	2.1920	.05199	2.0033	51.926	.09841	.47809
#2	.05423	1.8728	.93325	.95581	2.1892	.05173	2.0396	51.827	.10049	.48570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19777**	**.25910**	**1.0968**	**54.885**	**1.0665**	**49.223**	**.51643**	**.99653**	**54.996**	**.48957**
Stddev	.00259	.00369	.0027	.053	.0012	.339	.00347	.01236	.005	.00604
%RSD	1.3110	1.4249	.24382	.09728	.11025	.68808	.67215	1.2408	.00949	1.2332
#1	.19594	.25649	1.0986	54.847	1.0673	48.983	.51398	.98779	55.000	.48531
#2	.19960	.26171	1.0949	54.922	1.0656	49.462	.51888	1.0053	54.993	.49384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4519**	**.45625**	**.01940**	**.46048**	**2.0160**	**10.583**	F **22.648**	**1.9958**	**1.0844**	**.95345**
Stddev	.1002	.00703	.00076	.00920	.0348	.011	.024	.0270	.0031	.00073
%RSD	1.0603	1.5402	3.9261	1.9977	1.7247	.10579	.10579	1.3511	.28172	.07605
#1	9.3810	.45129	.01887	.45397	1.9914	10.575	22.631	1.9768	1.0865	.95293
#2	9.5227	.46122	.01994	.46698	2.0406	10.591	22.665	2.0149	1.0822	.95396
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0100**	**1.9765**	**2.1708**	**.51515**	**.48069**	**.46140**
Stddev	.0071	.0223	.0189	.00371	.00042	.00377
%RSD	.69874	1.1292	.87081	.71928	.08710	.81789
#1	1.0050	1.9607	2.1575	.51253	.48099	.45873
#2	1.0150	1.9923	2.1842	.51777	.48040	.46407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3943.2**	**60500.**	**5730.3**
Stddev	30.9	256.	47.0
%RSD	.78462	.42329	.82067
#1	3965.1	60681.	5763.6
#2	3921.3	60319.	5697.1

Sample Name: 280-27352-a-1-d Acquired: 4/9/2012 16:56:43 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00146**	**59.780**	**.00739**	W **85.636**	**.00562**	**.00007**	**-.00359**	**5.6699**	**-.00014**	**-.00112**
Stddev	.00018	.066	.00683	.127	.00036	.00003	.00078	.0037	.00008	.00011
%RSD	12.537	.11020	92.396	.14810	6.4183	50.379	21.631	.06527	56.675	9.8854
#1	.00159	59.733	.00256	85.547	.00537	.00004	-.00304	5.6673	-.00008	-.00104
#2	.00133	59.826	.01221	85.726	.00588	.00009	-.00414	5.6725	-.00019	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02054**	**.14858**	**.43169**	**29.137**	**.04296**	**.14028**	**.00232**	**.04454**	F **13121.**	**.29304**
Stddev	.00017	.00005	.00124	2.535	.00188	.00440	.00004	.00094	36.	.00038
%RSD	.83208	.03575	.28820	8.7007	4.3660	3.1332	1.5129	2.1191	.27378	.12984
#1	.02066	.14854	.43081	27.344	.04163	.13718	.00230	.04388	13096.	.29277
#2	.02042	.14862	.43257	30.929	.04428	.14339	.00235	.04521	13147.	.29330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10000.	
Low Limit									9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4073**	**-.00138**	F **3173.5**	**.03096**	**.00384**	**.19612**	**.41970**	**.00255**	**.15713**	**.00144**
Stddev	.0067	.00066	7.5	.00117	.00168	.00052	.00111	.00125	.00060	.00103
%RSD	.47657	48.053	.23478	3.7739	43.677	.26357	.26357	48.856	.37995	71.372
#1	1.4025	-.00091	3178.8	.03178	.00266	.19575	.41891	.00167	.15670	.00071
#2	1.4120	-.00184	3168.2	.03013	.00503	.19648	.42048	.00343	.15755	.00217
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00687**	**-.00112**	**.04545**	**.01594**	**.00560**	**.06168**
Stddev	.00022	.00053	.00760	.00034	.00048	.00115
%RSD	3.1761	47.531	16.721	2.1617	8.6450	1.8605
#1	.00672	-.00150	.04008	.01570	.00594	.06087
#2	.00703	-.00074	.05083	.01619	.00526	.06249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2756.5**	**41839.**	**5401.0**
Stddev	13.1	250.	2.7
%RSD	.47410	.59642	.04949
#1	2747.2	42016.	5402.9
#2	2765.7	41663.	5399.1

Sample Name: 280-27345-a-1-b Acquired: 4/9/2012 16:59:07 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00316**	**.93692**	**.00295**	**.13591**	**.10186**	**.00015**	**.00032**	**21.170**	**.00180**	**-.00034**
Stddev	.00047	.00313	.00306	.01530	.00135	.00004	.00105	.331	.00003	.00019
%RSD	14.949	.33417	103.62	11.257	1.3210	25.347	331.79	1.5651	1.4632	56.391
#1	.00283	.93914	.00079	.14673	.10282	.00012	.00106	21.404	.00182	-.00021
#2	.00350	.93471	.00512	.12509	.10091	.00017	-.00043	20.935	.00178	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03309**	**1.2933**	**1.5447**	**6.6236**	**.01016**	**6.4366**	**.01993**	**.00542**	W **938.25**	**.01952**
Stddev	.00040	.0125	.0252	.1963	.00026	.0829	.00030	.00007	16.36	.00034
%RSD	1.2126	.96441	1.6327	2.9643	2.5452	1.2873	1.4810	1.2436	1.7435	1.7384
#1	.03337	1.3021	1.5626	6.7624	.00998	6.4952	.02014	.00537	949.81	.01928
#2	.03281	1.2845	1.5269	6.4847	.01035	6.3780	.01972	.00547	926.68	.01976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8997**	**.01215**	**20.105**	**.00822**	**-.00487**	**3.2408**	**6.9352**	**.06125**	**.19800**	**-.00015**
Stddev	.0185	.00001	.015	.00020	.00363	.0508	.1087	.00120	.00310	.00043
%RSD	.47391	.07136	.07622	2.3791	74.642	1.5667	1.5667	1.9551	1.5654	283.40
#1	3.9127	.01214	20.116	.00836	-.00744	3.2767	7.0121	.06040	.20019	-.00046
#2	3.8866	.01215	20.094	.00809	-.00230	3.2049	6.8584	.06210	.19581	.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02145**	**.00085**	**-.01201**	**.00254**	**.14243**	**.00186**
Stddev	.00010	.00025	.00016	.00031	.00184	.00208
%RSD	.47068	29.643	1.2946	12.029	1.2918	111.88
#1	.02138	.00103	-.01212	.00232	.14373	.00039
#2	.02152	.00067	-.01190	.00275	.14113	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3697.0**	**57084.**	**5850.6**
Stddev	1.8	373.	79.8
%RSD	.04993	.65335	1.3632
#1	3698.3	56820.	5794.2
#2	3695.7	57348.	5907.0

Sample Name: 280-27311-f-2-b Acquired: 4/9/2012 17:01:34 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00478**	**-.00093**	**.03792**	**.00006**	**.00006**	**.00034**	**.01796**	**-.00001**	**-.00004**
Stddev	.00035	.00029	.00023	.00304	.00001	.00005	.00141	.00049	.00003	.00017
%RSD	31.935	5.9620	24.600	8.0296	13.597	80.070	416.30	2.7413	248.82	418.72
#1	.00084	.00458	-.00077	.04007	.00006	.00002	.00134	.01761	.00001	.00008
#2	.00134	.00498	-.00109	.03577	.00005	.00009	-.00066	.01831	-.00004	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00182**	**.00797**	**.48537**	**.00228**	**.00211**	**.00035**	**-.00018**	**1.3539**	**.00006**
Stddev	.00015	.00006	.00068	.05944	.00118	.00111	.00000	.00001	.0664	.00038
%RSD	57.711	3.4180	8.5347	12.246	51.566	52.629	1.1384	7.9296	4.9053	638.86
#1	.00016	-.00177	.00845	.52740	.00312	.00289	.00035	-.00017	1.4008	.00033
#2	.00037	-.00186	.00749	.44334	.00145	.00132	.00034	-.00019	1.3069	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00345**	**.00105**	**.34433**	**-.00119**	W **-.00508**	**.01333**	**.02854**	**.00001**	**.00011**	**.00104**
Stddev	.00019	.00032	.00156	.00048	.00638	.00580	.01240	.00036	.00000	.00057
%RSD	5.5035	30.467	.45172	40.463	125.54	43.472	43.472	3741.5	.07688	54.409
#1	.00359	.00083	.34543	-.00154	-.00057	.01743	.03731	-.00025	.00011	.00064
#2	.00332	.00128	.34323	-.00085	-.00959	.00924	.01976	.00026	.00011	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00043**	**-.00187**	**.00039**	**.00324**	**-.00059**
Stddev	.00006	.00058	.00629	.00010	.00009	.00190
%RSD	17.322	134.67	336.61	24.644	2.9090	321.83
#1	.00039	.00084	.00258	.00032	.00317	-.00193
#2	.00031	.00002	-.00632	.00046	.00331	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4089.2**	**65119.**	**5959.3**
Stddev	12.9	38.	4.5
%RSD	.31661	.05847	.07517
#1	4080.1	65146.	5962.5
#2	4098.4	65092.	5956.1

Sample Name: 280-27311-f-2-bSD@5 Acquired: 4/9/2012 17:04:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.00493**	**.00154**	**.02453**	**.00012**	**.00008**	**-.00026**	**.01438**	**-.00008**	**.00004**
Stddev	.00009	.00006	.00276	.00096	.00009	.00003	.00090	.00007	.00011	.00001
%RSD	6.3863	1.2329	178.89	3.9179	73.360	33.691	348.43	.51150	129.60	11.980
#1	.00139	.00497	.00349	.02521	.00019	.00010	.00038	.01432	-.00016	.00004
#2	.00127	.00489	-.00041	.02385	.00006	.00006	-.00090	.01443	-.00001	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00205**	**.00942**	**.26944**	**.00017**	**.00082**	**.00018**	**-.00032**	**.73857**	**.00023**
Stddev	.00001	.00053	.00061	.02185	.00166	.00065	.00002	.00014	.03563	.00014
%RSD	1.7023	25.913	6.5032	8.1081	974.89	79.519	11.404	42.865	4.8246	60.783
#1	.00053	-.00242	.00985	.28489	-.00100	.00036	.00020	-.00022	.76377	.00033
#2	.00054	-.00167	.00899	.25400	.00134	.00128	.00017	-.00042	.71338	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00148**	**.00047**	**.26831**	**-.00196**	**-.00325**	**.00187**	**.00400**	**.00033**	**.00005**	**.00084**
Stddev	.00128	.00159	.01839	.00030	.00129	.00487	.01042	.00083	.00002	.00293
%RSD	86.636	338.31	6.8554	15.083	39.604	260.59	260.59	249.80	47.095	346.36
#1	.00057	-.00065	.25530	-.00175	-.00234	.00531	.01137	.00092	.00003	.00291
#2	.00238	.00159	.28132	-.00217	-.00416	-.00157	-.00337	-.00025	.00007	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00135**	**-.00952**	**.00002**	**.00299**	**.00093**
Stddev	.00030	.00100	.00277	.00008	.00019	.00196
%RSD	157.59	73.852	29.104	414.32	6.1974	210.39
#1	-.00002	.00065	-.01148	.00008	.00312	.00231
#2	.00041	.00206	-.00756	-.00004	.00285	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.0**	**65054.**	**5972.1**
Stddev	1.1	945.	32.7
%RSD	.02639	1.4529	.54802
#1	4107.2	65722.	5995.3
#2	4108.8	64385.	5949.0

Sample Name: 280-27311-f-2-c ms Acquired: 4/9/2012 17:06:25 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05459**	**1.9777**	**.99927**	**1.0455**	**2.1988**	**.05236**	F **2.1924**	**51.964**	**.10729**	**.51695**
Stddev	.00003	.1431	.07404	.0793	.0166	.00054	.1515	.357	.00832	.03748
%RSD	.04653	7.2380	7.4096	7.5892	.75402	1.0355	6.9084	.68716	7.7577	7.2496
#1	.05457	2.0789	1.0516	1.1016	2.2105	.05274	2.2995	52.216	.11318	.54345
#2	.05461	1.8764	.94692	.98940	2.1871	.05197	2.0853	51.712	.10141	.49045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21257**	**.26731**	**1.0948**	**54.413**	**1.0778**	**48.986**	**.51858**	**1.0682**	**55.668**	**.52444**
Stddev	.01578	.00302	.0027	.263	.0042	.168	.00293	.0783	.003	.03821
%RSD	7.4248	1.1309	.24666	.48423	.39207	.34336	.56474	7.3335	.00607	7.2858
#1	.22373	.26517	1.0928	54.599	1.0807	48.867	.51650	1.1236	55.671	.55146
#2	.20141	.26945	1.0967	54.227	1.0748	49.105	.52065	1.0129	55.666	.49742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.211**	**.49134**	**.52940**	**.50041**	**2.1617**	**10.541**	**22.558**	W **2.1302**	**1.0892**	**.96367**
Stddev	.741	.03487	.41168	.03679	.1465	.055	.118	.1587	.0073	.00159
%RSD	7.2558	7.0960	77.765	7.3516	6.7790	.52093	.52093	7.4512	.66796	.16527
#1	10.734	.51599	.82050	.52643	2.2654	10.580	22.641	2.2424	1.0943	.96255
#2	9.6867	.46668	.23829	.47440	2.0581	10.502	22.475	2.0180	1.0841	.96480
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0217**	**2.1300**	**2.2054**	**.52097**	**.47675**	**.46272**
Stddev	.0044	.1492	.0313	.00188	.00214	.00497
%RSD	.43306	7.0037	1.4176	.36076	.44890	1.0749
#1	1.0185	2.2355	2.1833	.51964	.47826	.46624
#2	1.0248	2.0245	2.2276	.52229	.47523	.45920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3716.7**	**60629.**	**5902.3**
Stddev	214.0	234.	28.9
%RSD	5.7567	.38643	.48972
#1	3565.4	60794.	5881.8
#2	3868.0	60463.	5922.7

Sample Name: 280-27311-f-2-d msd Acquired: 4/9/2012 17:08:34 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05440**	**1.8704**	**.93758**	**.97869**	**2.1969**	**.05224**	F **2.0678**	**51.746**	**.10118**	**.48868**
Stddev	.00042	.0050	.00738	.00216	.0215	.00069	.0020	.473	.00004	.00120
%RSD	.77557	.26952	.78738	.22098	.97948	1.3200	.09540	.91336	.03767	.24478
#1	.05410	1.8668	.94280	.97716	2.2121	.05272	2.0664	52.081	.10115	.48784
#2	.05469	1.8739	.93236	.98022	2.1817	.05175	2.0692	51.412	.10121	.48953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20081**	**.26416**	**1.0900**	**54.508**	**1.0720**	**48.864**	**.51731**	**1.0110**	**55.314**	**.49609**
Stddev	.00021	.00112	.0147	.464	.0097	.249	.00205	.0028	.554	.00123
%RSD	.10506	.42515	1.3506	.85059	.90797	.50912	.39644	.27825	1.0008	.24758
#1	.20066	.26337	1.1004	54.836	1.0789	48.688	.51586	1.0090	55.706	.49522
#2	.20096	.26496	1.0796	54.181	1.0651	49.040	.51876	1.0130	54.923	.49696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.6143**	**.46255**	**.22380**	**.47215**	**2.0371**	**10.550**	**22.576**	W **2.0144**	**1.0906**	**.96053**
Stddev	.0038	.00013	.00104	.00190	.0059	.049	.106	.0034	.0098	.00658
%RSD	.03952	.02754	.46616	.40249	.28795	.46814	.46814	.16753	.89638	.68503
#1	9.6116	.46246	.22306	.47349	2.0330	10.584	22.651	2.0120	1.0975	.95588
#2	9.6170	.46264	.22454	.47080	2.0413	10.515	22.501	2.0168	1.0836	.96519
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0142**	**2.0111**	**2.1802**	**.51695**	**.47501**	**.46318**
Stddev	.0004	.0032	.0069	.00015	.00158	.00366
%RSD	.04042	.15684	.31846	.02837	.33193	.78970
#1	1.0140	2.0089	2.1753	.51705	.47390	.46577
#2	1.0145	2.0134	2.1851	.51684	.47613	.46060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3881.6**	**60586.**	**5946.9**
Stddev	12.6	268.	35.2
%RSD	.32331	.44195	.59272
#1	3890.5	60775.	5922.0
#2	3872.8	60397.	5971.9

Sample Name: CCVH-1326164 Acquired: 4/9/2012 17:10:43 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00366**	**53.580**	**-.00072**	**.01591**	**.00051**	**.00010**	**.98879**	**.00186**	**.00003**	**.00019**	**.00118**	**.00305**
Stddev	.00053	.035	.00255	.00042	.00011	.00006	.00072	.00000	.00010	.00007	.00004	.00009
%RSD	14.338	.06568	355.04	2.6218	22.528	60.226	.07304	.23074	301.57	36.428	2.9714	2.8423
#1	.00329	53.605	.00108	.01621	.00059	.00014	.98828	.00186	-.00004	.00024	.00121	.00311
#2	.00403	53.555	-.00252	.01562	.00043	.00006	.98930	.00186	.00010	.00014	.00116	.00298
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.865**	**.21242**	**.00077**	**.00470**	**-.00015**	**.00106**	**265.85**	**.00218**	**.00546**	**-.00309**	**5.1284**	**-.00116**
Stddev	.262	.04524	.00160	.00015	.00005	.00082	.52	.00002	.00115	.00084	.0345	.00121
%RSD	.48732	21.300	208.79	3.0999	32.453	77.717	.19397	1.0820	21.067	27.169	.67221	103.86
#1	53.679	.18043	.00190	.00480	-.00012	.00048	265.48	.00216	.00465	-.00250	5.1041	-.00031
#2	54.050	.24441	-.00037	.00459	-.00019	.00164	266.21	.00219	.00628	-.00368	5.1528	-.00202
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00385**	**.01664**	**.03562**	**.00201**	**.00046**	W **4.5900**	**.00545**	**.00214**	**10.367**	**.00280**	**.00129**	**-.18383**
Stddev	.00486	.00648	.01388	.00113	.00004	.0128	.00026	.00125	.008	.00018	.00003	.00041
%RSD	126.32	38.956	38.956	56.267	8.5304	.27887	4.8486	58.617	.07849	6.5661	2.6194	.22053
#1	-.00041	.02123	.04543	.00121	.00044	4.5810	.00527	.00302	10.372	.00267	.00127	-.18412
#2	-.00729	.01206	.02581	.00282	.00049	4.5991	.00564	.00125	10.361	.00293	.00132	-.18354
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3929.5**	**61003.**	**5848.9**
Stddev	4.8	279.	52.6
%RSD	.12107	.45677	.89996
#1	3932.9	61200.	5811.6
#2	3926.1	60806.	5886.1

Sample Name: CCV-1343805 Acquired: 4/9/2012 17:13:04 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51935**	**.50170**	**.93370**	**.50062**	W **.55032**	**.51608**	**.00090**	**5.2703**	**.50361**	**.49708**	**.50046**	**.52518**
Stddev	.00278	.00347	.00919	.00486	.00180	.00327	.00257	.0156	.00380	.00373	.00365	.00239
%RSD	.53548	.69088	.98464	.97105	.32650	.63308	284.85	.29599	.75507	.75027	.73007	.45572
#1	.51738	.49925	.92720	.49718	.54905	.51377	-.00092	5.2592	.50093	.49445	.49787	.52348
#2	.52131	.50415	.94020	.50405	.55159	.51839	.00272	5.2813	.50630	.49972	.50304	.52687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.50000							
Range					10.000%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.7645**	**54.186**	**1.0711**	**19.892**	**.50955**	**.49740**	**5.3975**	**.49923**	**.95665**	**.93895**	**.24009**	**.98651**
Stddev	.0109	.033	.0075	.101	.00068	.00449	.0280	.00447	.00808	.00841	.00073	.00688
%RSD	.39476	.06027	.69903	.50831	.13313	.90215	.51960	.89482	.84460	.89614	.30498	.69741
#1	2.7567	54.163	1.0658	19.964	.51003	.49423	5.3777	.49607	.95093	.93300	.24061	.98164
#2	2.7722	54.209	1.0764	19.821	.50907	.50058	5.4174	.50239	.96236	.94490	.23957	.99137
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000											
Range	10.490%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0267**	**5.1900**	**11.107**	**1.0156**	**.53643**	**.01458**	**.49704**	**1.0477**	**-.02984**	**.50985**	**.48031**	**.49375**
Stddev	.0080	.0417	.089	.0077	.00310	.00188	.00028	.0110	.01345	.00158	.00449	.00696
%RSD	.77421	.80340	.80340	.76226	.57785	12.860	.05700	1.0481	45.071	.31076	.93464	1.4087
#1	1.0210	5.1605	11.043	1.0102	.53424	.01326	.49724	1.0400	-.03935	.51097	.48348	.48883
#2	1.0323	5.2194	11.170	1.0211	.53862	.01591	.49684	1.0555	-.02033	.50873	.47713	.49867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4017.4**	**62600.**	**5911.1**
Stddev	42.3	114.	21.1
%RSD	1.0521	.18143	.35695
#1	4047.3	62681.	5896.2
#2	3987.5	62520.	5926.0

Sample Name: CCB Acquired: 4/9/2012 17:15:15 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00134**	**.00143**	**-.00013**	F **.01142**	**.00009**	**.00005**	**.00177**	**.00025**	**.00003**	**-.00010**	**.00012**
Stddev	.00004	.00039	.00094	.00041	.00038	.00003	.00051	.00361	.00007	.00014	.00004
%RSD	2.9267	27.494	745.96	3.6002	434.69	57.948	28.557	1453.7	230.79	137.00	33.515
#1	.00136	.00170	.00054	.01113	-.00018	.00003	.00142	.00280	.00008	-.00020	.00009
#2	.00131	.00115	-.00079	.01171	.00036	.00007	.00213	-.00231	-.00002	.00000	.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00700							
Low Limit	-.00093			-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00249**	**.00348**	**.13899**	**-.00024**	**.00192**	**.00003**	**.00095**	F **.18948**	**.00008**	**.00298**	**.00146**
Stddev	.00008	.00119	.02067	.00119	.00189	.00003	.00068	.01291	.00026	.00183	.00114
%RSD	3.3832	34.044	14.869	501.16	98.454	92.381	71.115	6.8153	335.51	61.530	77.949
#1	-.00255	.00265	.15360	-.00108	.00325	.00001	.00047	.19861	-.00011	.00428	.00065
#2	-.00243	.00432	.12438	.00061	.00058	.00005	.00143	.18035	.00026	.00168	.00226
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.23945**	**.00105**	**-.00470**	**-.01484**	**-.03177**	**.00082**	**.00005**	**.00058**	**.00050**	**.00013**	**-.00031**
Stddev	.00159	.00055	.00167	.01311	.02805	.00116	.00003	.00019	.00017	.00093	.00090
%RSD	.66533	52.644	35.414	88.304	88.304	140.92	51.717	33.736	33.402	720.18	293.52
#1	.23832	.00144	-.00353	-.02411	-.05160	.00000	.00003	.00071	.00038	-.00053	.00033
#2	.24058	.00066	-.00588	-.00558	-.01193	.00164	.00007	.00044	.00062	.00078	-.00095
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.20000										
Low Limit	-.20000										

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00009**	**.00155**	**.00225**
Stddev	.00022	.00011	.00048
%RSD	236.29	7.3970	21.496
#1	-.00025	.00163	.00191
#2	.00006	.00147	.00259
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4031.9**	**63908.**	**5757.6**
Stddev	11.9	193.	21.8
%RSD	.29495	.30186	.37946
#1	4023.5	64044.	5773.0
#2	4040.3	63772.	5742.1

Sample Name: CCVL1351092 Acquired: 4/9/2012 17:17:41 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01188**	**.10485**	**.01295**	**.10043**	**.01153**	**.00112**	**.10540**	**.21877**	**.00509**	**.01024**	**.01041**	**.01378**	**.12980**
Stddev	.00007	.00104	.00313	.00059	.00009	.00003	.00010	.00274	.00002	.00023	.00027	.00039	.00046
%RSD	.59985	.99486	24.212	.58382	.75127	2.7205	.09362	1.2530	.40454	2.2597	2.5741	2.7978	.35130
#1	.01183	.10411	.01516	.10085	.01159	.00110	.10547	.21683	.00508	.01008	.01060	.01351	.12948
#2	.01193	.10559	.01073	.10002	.01147	.00114	.10533	.22071	.00511	.01041	.01022	.01405	.13012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5151**	**.01296**	**.21004**	**.01091**	**.02015**	**1.2878**	**.04159**	**2.6791**	**.00991**	**.20822**	**.00700**	F **.00606**	**.52046**
Stddev	.0137	.00139	.00084	.00000	.00033	.0216	.00030	.0131	.00070	.00361	.00088	.00154	.02037
%RSD	.39043	10.712	.40054	.03445	1.6247	1.6787	.71414	.49040	7.0339	1.7334	12.570	25.441	3.9143
#1	3.5054	.01395	.21064	.01091	.01992	1.2725	.04180	2.6698	.01040	.21077	.00638	.00715	.50606
#2	3.5248	.01198	.20945	.01092	.02038	1.3031	.04138	2.6884	.00942	.20567	.00763	.00497	.53487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1138**	**.10359**	**.01127**	**.01520**	**.01010**	**.01644**	F **.09075**	**.01069**	**.02199**	**.01508**
Stddev	.0436	.00037	.00004	.00046	.00022	.00058	.01341	.00033	.00030	.00099
%RSD	3.9143	.35321	.37692	3.0036	2.1673	3.5069	14.781	3.0493	1.3870	6.5561
#1	1.0830	.10385	.01124	.01487	.01026	.01685	.08126	.01046	.02177	.01438
#2	1.1446	.10334	.01130	.01552	.00995	.01603	.10023	.01092	.02220	.01577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4076.0**	**64461.**	**5832.3**
Stddev	16.7	524.	18.9
%RSD	.40934	.81346	.32397
#1	4087.8	64832.	5845.7
#2	4064.2	64090.	5819.0

Sample Name: mb 280-114447/1-a Acquired: 4/9/2012 17:20:05 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00135**	**.01219**	**.00011**	W **.00868**	**.00049**	**.00007**	**-.00225**	**.07236**	**.00008**	**-.00006**
Stddev	.00009	.00001	.00187	.00020	.00026	.00004	.00015	.00223	.00001	.00004
%RSD	6.5738	.06489	1737.8	2.2486	53.572	48.635	6.6053	3.0768	16.754	61.234
#1	.00142	.01220	.00143	.00881	.00067	.00010	-.00214	.07393	.00009	-.00008
#2	.00129	.01219	-.00121	.00854	.00030	.00005	-.00235	.07078	.00007	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00096**	**.02990**	**.10331**	**-.00049**	**.00570**	**.00055**	**-.00014**	**.33188**	**.00182**
Stddev	.00016	.00011	.00022	.03061	.00069	.00078	.00001	.00002	.04827	.00012
%RSD	76.920	11.455	.73053	29.626	141.67	13.650	.93471	13.003	14.545	6.3495
#1	.00032	-.00104	.03005	.08167	-.00098	.00515	.00056	-.00013	.36602	.00174
#2	.00010	-.00089	.02974	.12495	.00000	.00625	.00055	-.00016	.29775	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00664**	**.00045**	F **.19676**	**-.00146**	W **-.00700**	**-.00187**	**-.00401**	**.00769**	**.00018**	**.00121**
Stddev	.00301	.00089	.00013	.00042	.00083	.00671	.01435	.00071	.00002	.00049
%RSD	45.336	200.41	.06463	28.748	11.821	358.10	358.10	9.1916	13.718	40.826
#1	.00451	-.00019	.19667	-.00117	-.00642	-.00662	-.01416	.00719	.00020	.00156
#2	.00876	.00108	.19685	-.00176	-.00759	.00287	.00614	.00819	.00016	.00086
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000		.00500					
Low Limit	-.00500		-.01000		-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00012**	**.01058**	**.00026**	**.00246**	**.00060**
Stddev	.00024	.00001	.00128	.00002	.00019	.00086
%RSD	23.013	8.1427	12.140	7.6237	7.6600	142.18
#1	.00086	.00012	.00967	.00025	.00260	.00000
#2	.00119	.00013	.01149	.00028	.00233	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4124.5**	**65409.**	**5942.4**
Stddev	2.3	215.	17.8
%RSD	.05669	.32918	.29912
#1	4126.2	65561.	5929.8
#2	4122.9	65256.	5955.0

Sample Name: lcs 280-114447/2-a Acquired: 4/9/2012 17:22:31 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05463**	**1.8577**	**.92733**	**.93876**	**2.1928**	**.05165**	**2.0504**	**51.736**	**.10091**	**.48604**
Stddev	.00016	.0068	.00286	.00043	.0172	.00031	.0030	.568	.00032	.00140
%RSD	.29685	.36800	.30806	.04618	.78353	.59903	.14830	1.0969	.31736	.28725
#1	.05451	1.8528	.92935	.93845	2.2049	.05186	2.0482	52.137	.10068	.48505
#2	.05474	1.8625	.92531	.93907	2.1806	.05143	2.0525	51.335	.10114	.48703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20217**	**.26212**	**1.1246**	**54.721**	**1.0658**	**48.741**	**.51478**	**.99400**	**55.086**	**.49716**
Stddev	.00003	.00078	.0156	.418	.0086	.023	.00036	.00047	.388	.00175
%RSD	.01645	.29579	1.3905	.76435	.80375	.04798	.07066	.04706	.70398	.35266
#1	.20215	.26267	1.1356	55.017	1.0718	48.724	.51453	.99367	55.360	.49592
#2	.20219	.26157	1.1135	54.425	1.0597	48.757	.51504	.99434	54.812	.49840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6003**	**.45896**	**.16578**	**.46537**	**2.0325**	**1.3896**	F **2.9737**	**2.0024**	**1.0860**	**.94356**
Stddev	.0129	.00006	.00860	.00552	.0019	.0052	.0111	.0044	.0084	.00085
%RSD	.13476	.01357	5.1852	1.1861	.09268	.37281	.37281	.21760	.77485	.08969
#1	9.5912	.45900	.17186	.46927	2.0311	1.3933	2.9816	1.9993	1.0920	.94296
#2	9.6095	.45892	.15970	.46146	2.0338	1.3859	2.9659	2.0055	1.0801	.94416
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0031**	**2.0005**	**2.1665**	**.51235**	**.47265**	**.45361**
Stddev	.0004	.0022	.0438	.00006	.00101	.00559
%RSD	.04372	.10723	2.0231	.01203	.21269	1.2316
#1	1.0034	1.9990	2.1355	.51230	.47194	.45756
#2	1.0028	2.0020	2.1975	.51239	.47336	.44966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3915.0**	**60978.**	**5801.7**
Stddev	8.7	328.	16.6
%RSD	.22161	.53764	.28585
#1	3921.1	61210.	5790.0
#2	3908.8	60746.	5813.4

Sample Name: 280-27233-a-2-g Acquired: 4/9/2012 17:24:40 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**188.11**	**.02382**	**.01185**	**2.5400**	**.01283**	**.00344**	**49.707**	**.00089**	**.13698**
Stddev	.00027	1.62	.00154	.00004	.0210	.00007	.00158	.484	.00019	.00011
%RSD	26.901	.86189	6.4793	.30389	.82873	.53087	45.952	.97389	21.779	.07886
#1	.00081	189.25	.02273	.01182	2.5549	.01288	.00456	50.049	.00075	.13705
#2	.00120	186.96	.02491	.01187	2.5252	.01278	.00232	49.365	.00102	.13690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14470**	**.21844**	**234.44**	**20.340**	**.12932**	**32.121**	**4.5546**	**.00261**	**5.1225**	**.13552**
Stddev	.00008	.00031	2.22	.105	.00410	.294	.0018	.00072	.0279	.00010
%RSD	.05528	.13991	.94842	.51807	3.1724	.91526	.04038	27.492	.54410	.07060
#1	.14475	.21822	236.02	20.415	.13222	31.913	4.5533	.00210	5.1422	.13545
#2	.14464	.21865	232.87	20.266	.12641	32.329	4.5559	.00312	5.1028	.13558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4645**	**.11667**	**1.1306**	**-.00315**	W **-.00836**	**4.4978**	**9.6254**	**.01130**	**.84844**	**.02610**
Stddev	.0055	.00005	.0076	.00087	.00834	.0685	.1466	.00056	.00564	.00323
%RSD	.37476	.04022	.67403	27.459	99.819	1.5232	1.5232	4.9163	.66432	12.375
#1	1.4606	.11670	1.1252	-.00254	-.01425	4.5463	9.7291	.01170	.85242	.02382
#2	1.4684	.11664	1.1360	-.00376	-.00246	4.4494	9.5217	.01091	.84445	.02839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59906**	**.00062**	F **-.26424**	**.28155**	**.54581**	**.02321**
Stddev	.00687	.00105	.03058	.00194	.00611	.00106
%RSD	1.1471	169.01	11.573	.68837	1.1203	4.5746
#1	.59420	-.00012	-.24262	.28018	.54149	.02396
#2	.60392	.00137	-.28587	.28292	.55014	.02246
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4416.1**	**66949.**	**6618.5**
Stddev	1.7	194.	23.7
%RSD	.03897	.29027	.35842
#1	4417.3	67086.	6601.7
#2	4414.9	66811.	6635.3

Sample Name: 280-27357-a-1-a Acquired: 4/9/2012 17:27:03 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00156**	**187.88**	**.06172**	**.04708**	**2.1309**	**.01810**	**.00001**	**46.799**	**.00056**	**.05505**
Stddev	.00017	.06	.00125	.00037	.0020	.00016	.00180	.017	.00001	.00003
%RSD	10.653	.03242	2.0213	.77911	.09289	.86358	19087.	.03577	1.1851	.04751
#1	-.00144	187.84	.06083	.04734	2.1295	.01799	-.00126	46.811	.00056	.05506
#2	-.00168	187.93	.06260	.04682	2.1323	.01822	.00128	46.787	.00055	.05503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14286**	**.14871**	**211.19**	**29.657**	**.17032**	**47.764**	**1.5944**	**.01004**	**3.9606**	**.08604**
Stddev	.00008	.00223	.04	.018	.00006	.007	.0015	.00006	.0177	.00027
%RSD	.05603	1.5005	.01866	.06084	.03316	.01362	.09190	.61719	.44630	.30905
#1	.14291	.15029	211.16	29.669	.17028	47.769	1.5954	.00999	3.9731	.08585
#2	.14280	.14713	211.22	29.644	.17036	47.760	1.5933	.01008	3.9481	.08623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.5592**	**.14476**	**.86642**	**-.00514**	W **-.00703**	**2.6105**	**5.5864**	**.02298**	**.73051**	**.17613**
Stddev	.0096	.00021	.00268	.00170	.00130	.0243	.0521	.00044	.00071	.00009
%RSD	.26972	.14193	.30908	33.116	18.455	.93207	.93207	1.9284	.09701	.05045
#1	3.5524	.14461	.86832	-.00394	-.00611	2.6277	5.6233	.02330	.73001	.17607
#2	3.5660	.14491	.86453	-.00634	-.00795	2.5933	5.5496	.02267	.73102	.17619
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5081**	**-.00087**	F **-.52989**	**.37987**	**.62918**	**.11346**
Stddev	.0037	.00025	.01415	.00004	.00104	.00095
%RSD	.24290	29.070	2.6700	.01121	.16474	.83880
#1	1.5107	-.00105	-.53989	.37990	.62991	.11279
#2	1.5055	-.00069	-.51989	.37984	.62844	.11413
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5178.5**	**78542.**	**7823.4**
Stddev	3.6	196.	3.5
%RSD	.06894	.24952	.04494
#1	5181.0	78403.	7825.9
#2	5175.9	78680.	7820.9

Sample Name: 280-27357-a-1-aSD@5 Acquired: 4/9/2012 17:29:19 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**47.328**	**.01637**	**.01683**	**.53463**	**.00456**	**.00169**	**11.808**	**.00007**	**.01424**
Stddev	.00037	.365	.00422	.00016	.00540	.00002	.00111	.074	.00012	.00007
%RSD	48.767	.77064	25.759	.94137	1.0106	.34439	65.589	.62652	181.33	.51288
#1	.00103	47.070	.01339	.01695	.53081	.00455	.00091	11.756	.00016	.01419
#2	.00050	47.586	.01936	.01672	.53845	.00457	.00248	11.860	-.00002	.01429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03655**	**.03487**	**53.735**	**7.5035**	**.04187**	**12.226**	**.39700**	**.00239**	**1.0653**	**.02213**
Stddev	.00018	.00044	.202	.0556	.00018	.058	.00142	.00001	.0042	.00035
%RSD	.49604	1.2740	.37539	.74101	.41970	.47795	.35661	.34087	.39355	1.5662
#1	.03642	.03456	53.593	7.4642	.04175	12.267	.39800	.00240	1.0683	.02237
#2	.03668	.03519	53.878	7.5428	.04200	12.185	.39600	.00239	1.0624	.02188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.89678**	**.03901**	**.32082**	**-.00253**	**-.00348**	**.65553**	**1.4028**	**.00477**	**.18274**	**.04328**
Stddev	.00072	.00123	.00668	.00119	.00075	.02089	.0447	.00020	.00156	.00038
%RSD	.08042	3.1648	2.0807	47.077	21.548	3.1861	3.1861	4.2746	.85113	.87122
#1	.89627	.03988	.32554	-.00169	-.00295	.64076	1.3712	.00463	.18164	.04301
#2	.89729	.03813	.31610	-.00338	-.00402	.67029	1.4344	.00491	.18384	.04355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37267**	**.00111**	F **-.14992**	**.09353**	**.16044**	**.02791**
Stddev	.00080	.00116	.00073	.00027	.00222	.00058
%RSD	.21411	104.67	.48809	.28363	1.3844	2.0755
#1	.37324	.00193	-.14940	.09334	.16201	.02832
#2	.37211	.00029	-.15044	.09372	.15887	.02750
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.4**	**67298.**	**6321.6**
Stddev	18.0	165.	57.2
%RSD	.41338	.24490	.90556
#1	4375.1	67181.	6362.1
#2	4349.6	67414.	6281.2

Sample Name: 280-27357-a-1-b ms Acquired: 4/9/2012 17:31:40 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04220**	**323.41**	**.75885**	**.73177**	**3.3888**	**.05969**	F **1.5249**	**123.26**	**.07830**	**.40768**
Stddev	.00033	1.32	.00085	.00041	.0131	.00054	.0056	.49	.00017	.00074
%RSD	.79329	.40825	.11239	.05667	.38545	.90723	.36965	.39547	.21773	.18218
#1	.04244	324.35	.75824	.73206	3.3980	.06008	1.5289	123.61	.07842	.40820
#2	.04197	322.48	.75945	.73147	3.3795	.05931	1.5209	122.92	.07818	.40715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32823**	**.35709**	**228.70**	**78.845**	**1.0527**	**90.960**	**1.9777**	**.69916**	**46.164**	**.44567**
Stddev	.00126	.00057	.95	.314	.0061	.076	.0004	.00327	.466	.00020
%RSD	.38369	.15853	.41339	.39801	.57911	.08346	.02205	.46703	1.0087	.04396
#1	.32912	.35669	229.37	79.067	1.0570	90.906	1.9773	.70147	46.493	.44553
#2	.32734	.35749	228.03	78.623	1.0483	91.014	1.9780	.69685	45.835	.44581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.517**	**.47965**	**.94561**	**.12976**	**1.4990**	**4.9186**	**10.526**	**1.4251**	**1.6528**	**.92316**
Stddev	.024	.00194	.00590	.00154	.0003	.0063	.014	.0029	.0066	.00147
%RSD	.23225	.40510	.62411	1.1863	.01856	.12899	.12899	.20192	.39656	.15959
#1	10.534	.48103	.94979	.12867	1.4988	4.9231	10.535	1.4271	1.6574	.92211
#2	10.499	.47828	.94144	.13084	1.4992	4.9141	10.516	1.4230	1.6482	.92420
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1568**	**1.3680**	**1.0870**	**.88482**	**1.0541**	**.60673**
Stddev	.0019	.0027	.0155	.00056	.0054	.00243
%RSD	.03771	.19507	1.4290	.06362	.51523	.40096
#1	5.1581	1.3699	1.0980	.88442	1.0580	.60845
#2	5.1554	1.3662	1.0760	.88521	1.0503	.60501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5049.3**	**75528.**	**7855.9**
Stddev	1.3	126.	49.1
%RSD	.02617	.16721	.62452
#1	5050.2	75438.	7890.6
#2	5048.4	75617.	7821.2

Sample Name: 280-27357-a-1-c msd Acquired: 4/9/2012 17:33:52 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04156**	**305.12**	**.75191**	**.68654**	**4.1023**	**.05946**	F **1.5229**	**86.065**	**.07710**	**.41172**
Stddev	.00046	1.57	.00129	.00306	.0242	.00013	.0008	.203	.00013	.00009
%RSD	1.0984	.51454	.17135	.44544	.58877	.21185	.05156	.23542	.17437	.02292
#1	.04124	306.23	.75282	.68870	4.1194	.05954	1.5223	86.208	.07720	.41166
#2	.04188	304.01	.75100	.68438	4.0852	.05937	1.5234	85.922	.07701	.41179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32917**	**.36323**	**234.72**	**79.203**	**1.0433**	**93.543**	**2.2409**	**.70169**	**46.433**	**.45542**
Stddev	.00001	.00220	.85	.469	.0072	.524	.0175	.00089	.262	.00021
%RSD	.00272	.60662	.36004	.59173	.69247	.56012	.77935	.12616	.56419	.04612
#1	.32916	.36167	235.31	79.534	1.0484	93.173	2.2286	.70106	46.619	.45557
#2	.32917	.36479	234.12	78.871	1.0382	93.914	2.2533	.70232	46.248	.45527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.685**	**.48144**	**.93277**	**.14559**	**1.5001**	**5.1568**	**11.036**	**1.4342**	**1.6593**	**.93143**
Stddev	.006	.00148	.00360	.00286	.0026	.0244	.052	.0014	.0097	.00649
%RSD	.05609	.30706	.38614	1.9643	.17173	.47242	.47242	.09734	.58645	.69655
#1	10.689	.48040	.93531	.14761	1.5019	5.1741	11.073	1.4332	1.6662	.92685
#2	10.681	.48249	.93022	.14357	1.4983	5.1396	10.999	1.4352	1.6524	.93602
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1265**	**1.3786**	**1.0682**	**.82062**	**1.1011**	**.52952**
Stddev	.0238	.0030	.0100	.00350	.0061	.00472
%RSD	.57739	.21479	.93307	.42591	.55624	.89123
#1	4.1097	1.3807	1.0752	.81815	1.0968	.53286
#2	4.1434	1.3765	1.0611	.82310	1.1054	.52618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5035.3**	**75329.**	**7753.0**
Stddev	4.2	476.	21.7
%RSD	.08406	.63247	.28039
#1	5038.2	75666.	7737.6
#2	5032.3	74992.	7768.4

Sample Name: 280-27357-a-2-a Acquired: 4/9/2012 17:36:06 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**45.824**	**.02409**	**.02987**	**.54091**	**.00421**	**-.00403**	**49.123**	**.00037**	**.02273**
Stddev	.00007	.284	.00330	.00005	.00314	.00002	.00063	.342	.00007	.00020
%RSD	13.286	.62072	13.681	.18236	.57978	.41486	15.639	.69539	18.884	.89004
#1	.00061	46.025	.02176	.02983	.54313	.00419	-.00448	49.364	.00032	.02258
#2	.00051	45.623	.02642	.02991	.53869	.00422	-.00359	48.881	.00042	.02287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07314**	**.26405**	**75.679**	**10.599**	**.05219**	**13.565**	**1.0298**	**.00627**	**2.4843**	**.03303**
Stddev	.00077	.00308	.400	.053	.00025	.192	.0117	.00057	.0330	.00013
%RSD	1.0595	1.1670	.52840	.49599	.47315	1.4174	1.1350	9.1089	1.3293	.40428
#1	.07259	.26622	75.962	10.636	.05237	13.701	1.0380	.00587	2.5077	.03293
#2	.07369	.26187	75.396	10.562	.05202	13.429	1.0215	.00668	2.4610	.03312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2404**	**.04888**	**1.1697**	**-.00287**	**-.00211**	**4.1392**	**8.8580**	**.01007**	**.37385**	**.06439**
Stddev	.0013	.00104	.0091	.00109	.00149	.0190	.0407	.00032	.00158	.00028
%RSD	.05790	2.1305	.77603	38.051	70.686	.45959	.45959	3.1908	.42223	.43768
#1	2.2395	.04815	1.1632	-.00364	-.00316	4.1258	8.8292	.00984	.37497	.06419
#2	2.2413	.04962	1.1761	-.00210	-.00105	4.1527	8.8867	.01029	.37274	.06459
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5230**	**.00121**	F **-.20905**	**.12469**	**.31581**	**.06011**
Stddev	.0318	.00010	.00805	.00145	.00381	.00025
%RSD	1.2590	8.1236	3.8529	1.1631	1.2059	.41592
#1	2.5455	.00128	-.20336	.12571	.31850	.06029
#2	2.5006	.00114	-.21475	.12366	.31312	.05994
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4469.0**	**68279.**	**6576.3**
Stddev	13.9	503.	65.1
%RSD	.31080	.73682	.98971
#1	4478.9	67923.	6530.3
#2	4459.2	68634.	6622.4

Sample Name: CCVH-1326164 Acquired: 4/9/2012 17:38:24 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**54.008**	**-.00103**	**.00693**	**.00034**	**.00010**	**.98241**	**-.00097**	**-.00011**	**.00027**	**.00103**	**.00287**
Stddev	.00004	.076	.00018	.00040	.00004	.00002	.00164	.00446	.00005	.00005	.00009	.00007
%RSD	1.0277	.14078	17.204	5.8027	11.621	18.736	.16715	459.29	40.578	18.610	9.0190	2.4016
#1	.00341	53.954	-.00115	.00721	.00037	.00011	.98357	.00218	-.00008	.00023	.00110	.00282
#2	.00346	54.062	-.00090	.00665	.00032	.00008	.98125	-.00413	-.00014	.00030	.00096	.00292
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.412**	**.16138**	**-.00026**	**-.00044**	**-.00009**	**-.00079**	**266.23**	**.00209**	**.00553**	**-.00254**	**4.9633**	**-.00036**
Stddev	.040	.01293	.00041	.00561	.00003	.00032	.44	.00011	.00201	.00108	.0006	.00077
%RSD	.07294	8.0091	154.65	1287.4	31.761	39.796	.16624	5.1065	36.267	42.362	.01202	217.46
#1	54.440	.17052	-.00055	.00353	-.00011	-.00102	265.92	.00216	.00411	-.00178	4.9637	-.00090
#2	54.384	.15224	.00002	-.00440	-.00007	-.00057	266.54	.00201	.00695	-.00330	4.9629	.00019
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00552**	**.01022**	**.02187**	**.00273**	**.00042**	W **4.5188**	**.00571**	**.00268**	**10.206**	**.00251**	**.00141**	**-.18154**
Stddev	.00062	.00272	.00582	.00017	.00003	.1360	.00018	.00011	.299	.00012	.00042	.00839
%RSD	11.187	26.590	26.590	6.2746	6.0021	3.0098	3.2410	4.0039	2.9258	4.9340	29.463	4.6224
#1	-.00508	.01214	.02598	.00261	.00040	4.4226	.00584	.00275	9.9953	.00242	.00171	-.17561
#2	-.00595	.00830	.01776	.00285	.00044	4.6150	.00558	.00260	10.418	.00260	.00112	-.18747
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3977.6**	**61891.**	**5850.6**
Stddev	4.3	1309.	28.4
%RSD	.10927	2.1146	.48540
#1	3980.7	62817.	5830.5
#2	3974.6	60966.	5870.7

Sample Name: CCV-1343805 Acquired: 4/9/2012 17:40:44 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51633**	**.50791**	**.93503**	**.48781**	W **.55171**	**.51267**	**-.00040**	**5.2940**	**.50034**	**.49738**	**.50105**	**.51519**
Stddev	.00158	.00290	.00260	.00505	.00193	.00063	.00026	.0031	.00262	.00243	.00207	.00096
%RSD	.30668	.57018	.27813	1.0353	.34964	.12380	65.273	.05791	.52455	.48781	.41302	.18664
#1	.51745	.50996	.93687	.49138	.55034	.51222	-.00058	5.2961	.50219	.49909	.50251	.51587
#2	.51521	.50586	.93319	.48424	.55307	.51312	-.00021	5.2918	.49848	.49566	.49959	.51451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.50000							
Range					10.000%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.7673**	**54.539**	**1.0582**	**20.095**	**.51448**	**.49582**	**5.2625**	**.50051**	**.95019**	**.94021**	**.06801**	**.97517**
Stddev	.0113	.015	.0029	.053	.00057	.00271	.0007	.00212	.00314	.00833	.00199	.00766
%RSD	.40831	.02786	.27259	.26423	.11082	.54707	.01316	.42425	.33097	.88627	2.9213	.78533
#1	2.7593	54.549	1.0561	20.057	.51408	.49774	5.2630	.50201	.95241	.94610	.06661	.98058
#2	2.7753	54.528	1.0602	20.132	.51488	.49391	5.2620	.49901	.94797	.93432	.06942	.96975
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000											
Range	10.490%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0327**	**5.2239**	**11.179**	**1.0211**	**.53776**	**.01306**	**.49412**	**1.0435**	**-.00544**	**.50965**	**.48884**	**.49007**
Stddev	.0071	.0338	.072	.0015	.00216	.00289	.00043	.0046	.00113	.00019	.00031	.00133
%RSD	.68988	.64685	.64685	.14333	.40221	22.133	.08748	.44592	20.798	.03823	.06364	.27209
#1	1.0377	5.2000	11.128	1.0222	.53623	.01510	.49443	1.0468	-.00625	.50978	.48906	.48913
#2	1.0277	5.2478	11.230	1.0201	.53929	.01101	.49381	1.0402	-.00464	.50951	.48862	.49101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4061.5**	**63183.**	**5743.8**
Stddev	10.9	97.	10.5
%RSD	.26804	.15409	.18246
#1	4053.8	63114.	5736.4
#2	4069.2	63252.	5751.3

Sample Name: CCB Acquired: 4/9/2012 17:42:56 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00162**	**.00126**	**-.00022**	W **.00468**	**.00010**	**.00005**	**-.00172**	**.00202**	**-.00009**	**-.00010**	**.00015**
Stddev	.00022	.00027	.00280	.00013	.00027	.00004	.00030	.00195	.00005	.00002	.00011
%RSD	13.335	21.351	1290.0	2.7602	261.16	72.893	17.434	96.295	55.448	14.460	70.290
#1	.00146	.00107	.00176	.00477	-.00009	.00007	-.00151	.00340	-.00005	-.00009	.00008
#2	.00177	.00145	-.00219	.00459	.00030	.00002	-.00193	.00065	-.00013	-.00012	.00023
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00437							
Low Limit	-.00093			-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00227**	**.00173**	**.11010**	**.00012**	**-.00107**	**.00002**	**.00103**	**.07930**	**.00034**	**.00088**	**.00039**
Stddev	.00005	.00221	.05739	.00213	.00329	.00003	.00057	.01696	.00022	.00148	.00038
%RSD	2.1629	127.63	52.129	1760.3	306.32	147.65	54.853	21.385	66.159	169.44	96.990
#1	-.00224	.00330	.06952	.00163	-.00340	.00000	.00063	.06731	.00018	.00193	.00066
#2	-.00231	.00017	.15068	-.00139	.00125	.00004	.00143	.09129	.00049	-.00017	.00012
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05758**	**.00145**	**.00093**	**-.01397**	**-.02989**	**.00119**	**-.00002**	**.00014**	**.00029**	**.00088**	**-.00860**
Stddev	.00014	.00025	.00093	.00456	.00976	.00044	.00001	.00057	.00026	.00038	.00318
%RSD	.24491	17.506	100.02	32.664	32.664	37.274	66.716	402.91	89.594	43.990	36.966
#1	.05749	.00163	.00158	-.01074	-.02298	.00087	-.00001	-.00026	.00047	.00060	-.01084
#2	.05768	.00127	.00027	-.01719	-.03679	.00150	-.00003	.00054	.00011	.00115	-.00635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00018**	**.00170**	**.00080**
Stddev	.00012	.00004	.00105
%RSD	68.059	2.2302	130.74
#1	.00027	.00172	.00006
#2	.00009	.00167	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4105.0**	**63967.**	**5843.2**
Stddev	11.0	335.	58.9
%RSD	.26774	.52313	1.0076
#1	4112.8	64204.	5884.8
#2	4097.2	63731.	5801.6

Sample Name: CCVL1351092 Acquired: 4/9/2012 17:45:21 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01194**	**.10531**	**.01658**	**.09551**	**.01157**	**.00113**	**.10480**	**.21402**	**.00503**	**.01015**	**.01031**	**.01385**	**.11383**	**3.4522**
Stddev	.00005	.00070	.00082	.00012	.00012	.00000	.00039	.00189	.00012	.00016	.00005	.00022	.00129	.0086
%RSD	.40792	.66275	4.9317	.12057	1.0694	.34889	.37576	.88468	2.3222	1.5847	.47280	1.5801	1.1320	.25035
#1	.01197	.10580	.01716	.09543	.01166	.00113	.10508	.21536	.00495	.01004	.01028	.01401	.11474	3.4583
#2	.01190	.10482	.01600	.09559	.01149	.00112	.10452	.21268	.00512	.01027	.01035	.01370	.11292	3.4461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00890**	**.20636**	**.01080**	**.01999**	**1.1743**	**.04114**	**2.6885**	**.01050**	**.04746**	**.00869**	**.01107**	**.49119**	**1.0512**	**.10291**
Stddev	.00143	.00107	.00008	.00003	.0039	.00018	.0040	.00137	.00276	.00063	.00345	.00406	.0087	.00052
%RSD	16.115	.51824	.69860	.15101	.33388	.43839	.14963	13.017	5.8101	7.2608	31.210	.82706	.82706	.50184
#1	.00789	.20560	.01075	.01997	1.1715	.04127	2.6914	.00953	.04551	.00824	.00863	.49407	1.0573	.10327
#2	.00991	.20711	.01086	.02001	1.1771	.04102	2.6857	.01147	.04941	.00913	.01351	.48832	1.0450	.10254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01117**	**.01518**	**.01009**	**.01678**	**.04845**	**.01047**	**.02138**	**.01588**
Stddev	.00002	.00042	.00018	.00010	.01515	.00027	.00049	.00039
%RSD	.17291	2.7897	1.7638	.60259	31.266	2.5640	2.2690	2.4753
#1	.01119	.01548	.01021	.01685	.05916	.01028	.02173	.01616
#2	.01116	.01488	.00996	.01671	.03774	.01066	.02104	.01561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.9**	**64729.**	**5891.6**
Stddev	.5	66.	21.6
%RSD	.01311	.10271	.36692
#1	4117.2	64682.	5876.3
#2	4116.5	64776.	5906.9

Sample Name: 280-27357-a-5-c Acquired: 4/9/2012 17:47:43 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**20.904**	**.01544**	**.01007**	**.28289**	**.00273**	**-.00070**	**9.2443**	**.00040**	**.01333**
Stddev	.00020	.126	.00182	.00060	.00094	.00003	.00007	.0690	.00011	.00013
%RSD	41.482	.60394	11.815	5.9349	.33360	1.1491	9.8780	.74624	26.990	.97725
#1	.00034	20.993	.01673	.00964	.28356	.00271	-.00065	9.2931	.00048	.01324
#2	.00062	20.815	.01415	.01049	.28222	.00275	-.00075	9.1955	.00033	.01342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03376**	**.08198**	**50.338**	**5.1145**	**.02678**	**4.9050**	**1.3877**	**.00432**	**1.2646**	**.02004**
Stddev	.00003	.00025	.333	.0448	.00073	.0452	.0074	.00039	.0058	.00015
%RSD	.07987	.29887	.66142	.87615	2.7421	.92119	.53568	9.0115	.45858	.74045
#1	.03374	.08181	50.573	5.1462	.02730	4.8730	1.3824	.00404	1.2605	.01993
#2	.03378	.08216	50.102	5.0829	.02626	4.9369	1.3930	.00459	1.2687	.02014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5656**	**.03539**	**.17665**	**-.00127**	**-.00470**	**2.2932**	**4.9074**	**.00878**	**.10182**	**.04848**
Stddev	.0032	.00060	.00217	.00156	.00043	.0597	.1277	.00103	.00047	.00005
%RSD	.20288	1.6832	1.2280	122.65	9.1644	2.6022	2.6022	11.740	.46088	.10567
#1	1.5678	.03497	.17511	-.00238	-.00500	2.3354	4.9977	.00951	.10215	.04851
#2	1.5634	.03581	.17818	-.00017	-.00439	2.2510	4.8171	.00805	.10149	.04844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3016**	**-.00080**	F **-.17221**	**.08000**	**.30231**	**.03297**
Stddev	.0125	.00171	.00318	.00076	.00449	.00145
%RSD	.95925	214.27	1.8437	.95080	1.4836	4.3945
#1	1.2927	.00041	-.16996	.07946	.29914	.03400
#2	1.3104	-.00200	-.17445	.08053	.30549	.03195
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4409.6**	**68706.**	**6384.4**
Stddev	27.9	361.	25.2
%RSD	.63215	.52516	.39438
#1	4429.3	68961.	6366.6
#2	4389.9	68451.	6402.2

Sample Name: 280-27357-a-6-a Acquired: 4/9/2012 17:50:03 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00198**	**85.839**	**.03943**	**.02812**	**1.5607**	**.00586**	**-.00054**	**22.115**	**.00322**	**.03666**
Stddev	.00063	.216	.00287	.00005	.0060	.00009	.00038	.124	.00005	.00024
%RSD	31.519	.25126	7.2712	.18478	.38335	1.4926	70.336	.56057	1.5892	.64125
#1	.00243	85.991	.03741	.02809	1.5649	.00592	-.00027	22.203	.00318	.03649
#2	.00154	85.686	.04146	.02816	1.5565	.00579	-.00081	22.028	.00325	.03682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11113**	**.21749**	**124.66**	**22.700**	**.07349**	**17.773**	**2.4284**	**.00906**	**2.3034**	**.05759**
Stddev	.00039	.00011	.61	.123	.00051	.097	.0111	.00023	.0157	.00097
%RSD	.35485	.04835	.48968	.54154	.69797	.54324	.45520	2.5807	.68121	1.6767
#1	.11086	.21756	125.09	22.787	.07385	17.705	2.4206	.00923	2.3145	.05691
#2	.11141	.21741	124.23	22.613	.07313	17.841	2.4362	.00890	2.2924	.05827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.5462**	**.53107**	**3.2604**	**-.00010**	W **-.00866**	**3.3224**	**7.1099**	**.03372**	**.41421**	**.10240**
Stddev	.0167	.00264	.0184	.00094	.00594	.0193	.0413	.00105	.00108	.00140
%RSD	.47193	.49804	.56296	957.14	68.612	.58141	.58141	3.1259	.25966	1.3636
#1	3.5343	.52920	3.2474	-.00077	-.01287	3.3360	7.1391	.03297	.41497	.10141
#2	3.5580	.53294	3.2734	.00057	-.00446	3.3087	7.0807	.03446	.41345	.10339
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1573**	**-.00123**	F **-.28602**	**.21359**	**1.4092**	**.09020**
Stddev	.0146	.00152	.00418	.00135	.0122	.00110
%RSD	.46382	123.42	1.4598	.62996	.86863	1.2187
#1	3.1469	-.00016	-.28306	.21264	1.4005	.08942
#2	3.1676	-.00231	-.28897	.21455	1.4178	.09098
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4525.0**	**69710.**	**6778.2**
Stddev	7.3	296.	10.5
%RSD	.16103	.42467	.15530
#1	4530.2	69919.	6770.8
#2	4519.8	69500.	6785.6

Sample Name: 280-27357-a-8-c Acquired: 4/9/2012 17:52:20 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**31.699**	**.01983**	**.01092**	**.52853**	**.00316**	**-.00508**	**23.471**	**.00032**	**.02332**
Stddev	.00021	.016	.00231	.00032	.00123	.00011	.00031	.040	.00012	.00001
%RSD	22.854	.05163	11.650	2.9089	.23234	3.4027	6.0464	.17094	37.033	.04647
#1	.00077	31.711	.02146	.01069	.52767	.00324	-.00530	23.499	.00040	.02331
#2	.00107	31.688	.01820	.01114	.52940	.00309	-.00486	23.443	.00023	.02332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41369**	**.16831**	**73.074**	**9.9650**	**.03282**	**7.2602**	**1.3601**	**.04198**	**1.9488**	**.03178**
Stddev	.00106	.00028	.222	.0456	.00134	.0008	.0004	.00008	.0045	.00007
%RSD	.25548	.16676	.30327	.45757	4.0914	.01132	.02715	.18182	.23108	.23002
#1	.41295	.16811	72.917	9.9972	.03187	7.2608	1.3604	.04192	1.9519	.03183
#2	.41444	.16851	73.231	9.9327	.03377	7.2596	1.3599	.04203	1.9456	.03173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6505**	**.05367**	**.55184**	**-.00352**	**-.00330**	**2.7369**	**5.8570**	**.00931**	**.21829**	**.07194**
Stddev	.0007	.00084	.00088	.00141	.00114	.0114	.0243	.00181	.00019	.00100
%RSD	.04419	1.5587	.15893	40.199	34.466	.41536	.41536	19.474	.08559	1.3906
#1	1.6511	.05308	.55122	-.00252	-.00411	2.7449	5.8742	.00803	.21816	.07123
#2	1.6500	.05427	.55246	-.00452	-.00250	2.7289	5.8398	.01059	.21842	.07264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9776**	**-.00142**	F **-.21693**	**.11217**	**.24953**	**.05279**
Stddev	.0053	.00073	.01072	.00013	.00025	.00002
%RSD	.26650	51.549	4.9394	.11275	.09985	.03901
#1	1.9813	-.00090	-.22451	.11226	.24971	.05277
#2	1.9739	-.00194	-.20935	.11208	.24936	.05280
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4478.8**	**70164.**	**6549.3**
Stddev	3.3	106.	51.7
%RSD	.07423	.15159	.78984
#1	4481.1	70239.	6512.7
#2	4476.4	70089.	6585.9

Sample Name: 280-27357-a-9-a Acquired: 4/9/2012 17:54:38 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**35.559**	**.02816**	**.00807**	**.28949**	**.00346**	**-.00502**	**11.848**	**.00021**	**.02087**
Stddev	.00020	.044	.00172	.00039	.00040	.00001	.00069	.023	.00017	.00017
%RSD	130.00	.12311	6.1035	4.8300	.13804	.18103	13.712	.19124	80.217	.79100
#1	.00029	35.590	.02937	.00835	.28921	.00346	-.00454	11.864	.00009	.02076
#2	.00001	35.528	.02694	.00780	.28977	.00346	-.00551	11.832	.00033	.02099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10277**	**.29633**	**101.87**	**9.1269**	**.05712**	**8.8587**	**.84658**	**.00787**	**1.9059**	**.02385**
Stddev	.00010	.00010	.04	.0449	.00121	.0679	.00456	.00033	.0138	.00009
%RSD	.10173	.03525	.03707	.49201	2.1164	.76697	.53812	4.2485	.72368	.39629
#1	.10270	.29625	101.85	9.1586	.05627	8.9068	.84980	.00811	1.9156	.02391
#2	.10284	.29640	101.90	9.0951	.05798	8.8107	.84335	.00763	1.8961	.02378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9765**	**.04152**	**.14508**	**-.00172**	W **-.00549**	**2.2782**	**4.8753**	**.00814**	**.11478**	**.10799**
Stddev	.0069	.00066	.00071	.00043	.00374	.0238	.0509	.00008	.00005	.00176
%RSD	.34816	1.5784	.48877	24.819	68.091	1.0443	1.0443	.92412	.03987	1.6301
#1	1.9813	.04198	.14558	-.00202	-.00813	2.2950	4.9113	.00809	.11474	.10923
#2	1.9716	.04106	.14458	-.00141	-.00285	2.2614	4.8393	.00819	.11481	.10674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7785**	**-.00079**	F **-.29575**	**.16902**	**.32434**	**.03949**
Stddev	.0159	.00090	.00005	.00172	.00693	.00153
%RSD	.57161	114.32	.01657	1.0169	2.1381	3.8711
#1	2.7897	-.00015	-.29578	.17024	.32924	.04058
#2	2.7672	-.00142	-.29571	.16781	.31943	.03841
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4471.6**	**69131.**	**6454.9**
Stddev	4.0	70.	23.7
%RSD	.08970	.10071	.36732
#1	4468.7	69180.	6438.2
#2	4474.4	69082.	6471.7

Sample Name: 280-27357-a-10-a Acquired: 4/9/2012 17:56:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00166**	**73.772**	**.02709**	**.01591**	**1.0996**	**.00478**	**-.00356**	**62.762**	**.00081**	**.03816**
Stddev	.00010	.119	.00415	.00015	.0013	.00005	.00198	.174	.00008	.00030
%RSD	6.0047	.16137	15.335	.96544	.11943	1.1391	55.721	.27719	10.263	.79373
#1	.00173	73.856	.03003	.01580	1.0986	.00474	-.00496	62.885	.00075	.03794
#2	.00159	73.688	.02415	.01602	1.1005	.00482	-.00216	62.639	.00087	.03837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15291**	**.27911**	**146.08**	**25.691**	**.06870**	**24.060**	**2.2389**	**.00860**	**2.0347**	**.06942**
Stddev	.00039	.00153	.52	.032	.00171	.048	.0013	.00033	.0020	.00012
%RSD	.25285	.54780	.35455	.12425	2.4894	.20149	.05604	3.8519	.09950	.17297
#1	.15264	.27803	146.45	25.668	.06749	24.095	2.2397	.00836	2.0362	.06950
#2	.15318	.28020	145.72	25.713	.06990	24.026	2.2380	.00883	2.0333	.06933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0030**	**.10128**	**6.6267**	**-.00316**	W **-.00845**	**2.7370**	**5.8572**	**.01057**	**.46405**	**.09486**
Stddev	.0135	.00022	.0055	.00080	.00312	.0114	.0244	.00018	.00029	.00090
%RSD	.33779	.21509	.08339	25.196	36.918	.41708	.41708	1.7025	.06266	.94454
#1	3.9934	.10112	6.6228	-.00372	-.00625	2.7451	5.8745	.01044	.46384	.09423
#2	4.0125	.10143	6.6306	-.00259	-.01066	2.7289	5.8399	.01069	.46425	.09550
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8846**	**-.00055**	F **-.24983**	**.28112**	**.55029**	**.07074**
Stddev	.0061	.00075	.01405	.00061	.00272	.00141
%RSD	.12569	136.47	5.6241	.21557	.49439	1.9899
#1	4.8802	-.00002	-.25976	.28069	.55222	.06975
#2	4.8889	-.00108	-.23989	.28155	.54837	.07174
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4477.5**	**69023.**	**6690.9**
Stddev	1.7	39.	19.6
%RSD	.03782	.05613	.29319
#1	4478.7	69051.	6677.0
#2	4476.3	68996.	6704.7

Sample Name: 280-27357-a-11-a Acquired: 4/9/2012 17:59:14 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**55.467**	**.02475**	**.01356**	**.59310**	**.00513**	**-.00503**	**18.203**	**.00054**	**.02958**
Stddev	.00039	.096	.00045	.00006	.00135	.00001	.00070	.014	.00006	.00031
%RSD	49.972	.17319	1.8196	.47669	.22823	.27123	13.883	.07880	11.961	1.0326
#1	.00106	55.535	.02443	.01351	.59406	.00514	-.00552	18.214	.00059	.02980
#2	.00050	55.399	.02506	.01360	.59214	.00512	-.00454	18.193	.00050	.02936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37217**	**.21493**	**128.43**	**14.874**	**.07130**	**13.609**	**2.8711**	**.03891**	**2.3561**	**.04843**
Stddev	.00267	.00013	.01	.008	.00025	.049	.0111	.00017	.0120	.00015
%RSD	.71661	.05867	.00598	.05063	.35023	.35911	.38605	.42560	.51048	.31947
#1	.37405	.21484	128.43	14.880	.07112	13.574	2.8632	.03902	2.3646	.04854
#2	.37028	.21502	128.42	14.869	.07147	13.643	2.8789	.03879	2.3476	.04832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6673**	**.05627**	**.23228**	**-.00379**	W **-.00568**	**2.3141**	**4.9521**	**.00932**	**.27126**	**.10297**
Stddev	.0174	.00051	.00195	.00024	.00292	.0133	.0284	.00035	.00053	.00162
%RSD	.65162	.90502	.83830	6.3353	51.437	.57431	.57431	3.7269	.19499	1.5757
#1	2.6796	.05663	.23365	-.00362	-.00361	2.3047	4.9320	.00907	.27164	.10411
#2	2.6550	.05591	.23090	-.00396	-.00774	2.3235	4.9722	.00956	.27089	.10182
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6678**	**.00073**	F **-.25734**	**.20636**	**.37277**	**.07010**
Stddev	.0069	.00056	.00212	.00032	.00210	.00086
%RSD	.18775	76.643	.82271	.15283	.56306	1.2209
#1	3.6629	.00033	-.25585	.20614	.37129	.06949
#2	3.6726	.00112	-.25884	.20658	.37426	.07071
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4552.3**	**70704.**	**6597.3**
Stddev	21.9	101.	24.8
%RSD	.48048	.14261	.37561
#1	4536.9	70776.	6614.8
#2	4567.8	70633.	6579.7

Sample Name: 280-27357-a-12-a Acquired: 4/9/2012 18:01:37 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**58.317**	**.02292**	**.01306**	**.68097**	**.00441**	**-.00340**	**18.182**	**.00036**	**.02592**
Stddev	.00017	.328	.00201	.00051	.00179	.00006	.00064	.139	.00000	.00024
%RSD	37.806	.56166	8.7906	3.8759	.26285	1.2887	18.906	.76246	.23921	.92742
#1	.00032	58.549	.02434	.01270	.68223	.00437	-.00386	18.280	.00036	.02610
#2	.00056	58.086	.02149	.01342	.67970	.00445	-.00295	18.084	.00036	.02575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07331**	**.14829**	**95.445**	**14.028**	**.06525**	**14.426**	**1.6609**	**.00398**	**1.1262**	**.03618**
Stddev	.00004	.00045	.647	.063	.00039	.015	.0080	.00030	.0049	.00008
%RSD	.05172	.30579	.67746	.44815	.59595	.10307	.48275	7.5591	.43416	.23189
#1	.07334	.14797	95.902	14.073	.06498	14.416	1.6552	.00377	1.1297	.03624
#2	.07329	.14861	94.987	13.984	.06553	14.437	1.6666	.00420	1.1228	.03613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1726**	**.04430**	**.17804**	**-.00201**	**-.00460**	**2.0763**	**4.4432**	**.01023**	**.27504**	**.06420**
Stddev	.0100	.00095	.00297	.00112	.00198	.0381	.0815	.00091	.00136	.00044
%RSD	.46167	2.1381	1.6680	55.829	43.181	1.8353	1.8353	8.8982	.49394	.69148
#1	2.1797	.04497	.17594	-.00281	-.00319	2.1032	4.5008	.01087	.27601	.06389
#2	2.1655	.04363	.18014	-.00122	-.00600	2.0493	4.3855	.00959	.27408	.06451
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9669**	**-.00194**	F **-.25852**	**.14908**	**.39877**	**.06949**
Stddev	.0143	.00120	.00045	.00098	.00146	.00157
%RSD	.48093	61.816	.17531	.65429	.36685	2.2542
#1	2.9568	-.00109	-.25820	.14839	.39774	.06838
#2	2.9770	-.00279	-.25884	.14977	.39981	.07060
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4451.7**	**69217.**	**6467.7**
Stddev	4.5	227.	23.7
%RSD	.10055	.32797	.36708
#1	4454.9	69378.	6450.9
#2	4448.6	69057.	6484.4

Sample Name: 280-27357-a-13-a Acquired: 4/9/2012 18:03:56 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**59.867**	**.02797**	**.01327**	**.82599**	**.00406**	**-.00402**	**61.047**	**.00077**	**.03141**
Stddev	.00017	.369	.00117	.00052	.00592	.00004	.00059	.637	.00008	.00028
%RSD	16.485	.61703	4.1726	3.8927	.71620	.99523	14.638	1.0437	10.011	.90509
#1	.00118	60.128	.02714	.01363	.83017	.00403	-.00360	61.497	.00071	.03161
#2	.00093	59.606	.02879	.01290	.82181	.00409	-.00444	60.596	.00082	.03121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26279**	**.21492**	**126.61**	**17.147**	**.06382**	**16.210**	**2.2123**	**.02476**	**1.4372**	**.09983**
Stddev	.00071	.00131	1.49	.053	.00143	.061	.0088	.00072	.0077	.00021
%RSD	.27070	.61110	1.1748	.30747	2.2471	.37921	.39633	2.9131	.53876	.21141
#1	.26330	.21399	127.66	17.184	.06484	16.167	2.2061	.02425	1.4317	.09968
#2	.26229	.21585	125.55	17.109	.06281	16.254	2.2185	.02527	1.4426	.09998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3348**	**.08755**	**2.0132**	**-.00257**	W **-.00727**	**2.5489**	**5.4546**	**.00899**	**.40543**	**.09578**
Stddev	.0013	.00147	.0134	.00099	.00133	.0239	.0511	.00005	.00314	.00076
%RSD	.03929	1.6820	.66347	38.624	18.313	.93622	.93622	.51163	.77339	.79168
#1	3.3357	.08651	2.0227	-.00186	-.00822	2.5658	5.4907	.00896	.40765	.09632
#2	3.3339	.08859	2.0038	-.00327	-.00633	2.5320	5.4185	.00903	.40321	.09524
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3377**	**-.00147**	F **-.24160**	**.20604**	**.33142**	**.06067**
Stddev	.0075	.00129	.01568	.00021	.00002	.00143
%RSD	.22411	87.261	6.4918	.10176	.00643	2.3491
#1	3.3324	-.00238	-.25269	.20589	.33143	.05966
#2	3.3430	-.00056	-.23051	.20619	.33140	.06168
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4414.8**	**68553.**	**6475.6**
Stddev	4.1	217.	24.6
%RSD	.09265	.31601	.37958
#1	4417.7	68706.	6458.3
#2	4411.9	68399.	6493.0

Sample Name: CCVH-1326164 Acquired: 4/9/2012 18:06:13 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00351**	**54.272**	**-.00522**	**.00453**	**.00058**	**.00002**	**.98732**	**.00207**	**.00005**	**.00015**	**.00106**	**.00342**
Stddev	.00021	.626	.00466	.00042	.00002	.00001	.00515	.00077	.00001	.00056	.00037	.00033
%RSD	6.1150	1.1538	89.299	9.2161	3.9416	40.214	.52156	37.053	10.459	374.76	34.749	9.6871
#1	.00336	54.715	-.00851	.00483	.00060	.00001	.98368	.00153	.00005	-.00025	.00080	.00318
#2	.00366	53.829	-.00192	.00424	.00056	.00002	.99096	.00261	.00006	.00055	.00132	.00365
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.430**	**.07367**	**.00052**	**.00121**	**.00001**	**-.00064**	**267.93**	**.00203**	**.00309**	**-.00200**	**4.8997**	**-.00276**
Stddev	.691	.00908	.00080	.00065	.00002	.00017	3.62	.00027	.00180	.00181	.0053	.00310
%RSD	1.2700	12.331	155.14	53.615	167.07	25.643	1.3504	13.198	58.247	90.440	.10906	112.29
#1	54.918	.08009	-.00005	.00075	.00000	-.00076	270.49	.00222	.00436	-.00328	4.9035	-.00057
#2	53.941	.06725	.00109	.00166	.00002	-.00053	265.37	.00184	.00182	-.00072	4.8960	-.00495
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00459**	**-.00908**	**-.01943**	**.00201**	**.00045**	W **4.6368**	**.00628**	**.00219**	**10.376**	**.00258**	**.00147**	**-.18588**
Stddev	.00349	.00325	.00695	.00008	.00003	.0036	.00022	.00009	.031	.00041	.00002	.00244
%RSD	76.005	35.800	35.800	4.0727	7.7158	.07696	3.5007	3.9826	.29950	15.812	1.5378	1.3113
#1	-.00706	-.01138	-.02434	.00207	.00042	4.6393	.00644	.00225	10.398	.00229	.00148	-.18415
#2	-.00213	-.00678	-.01451	.00195	.00047	4.6342	.00613	.00213	10.354	.00287	.00145	-.18760
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3926.3**	**60869.**	**5730.3**
Stddev	4.7	52.	39.9
%RSD	.12045	.08471	.69692
#1	3929.7	60905.	5702.0
#2	3923.0	60832.	5758.5

Sample Name: CCV-1343805 Acquired: 4/9/2012 18:08:33 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52414**	**.50581**	**.92156**	**.48567**	F **.55660**	**.51827**	**.00035**	**5.3199**	**.50297**	**.49851**	**.50276**	**.52398**	F **2.8117**
Stddev	.00221	.00111	.01240	.00008	.00003	.00302	.00297	.0265	.00063	.00118	.00125	.00196	.0071
%RSD	.42203	.22039	1.3453	.01552	.00535	.58220	840.26	.49825	.12452	.23617	.24830	.37374	.25372
#1	.52258	.50660	.93033	.48562	.55663	.52041	.00245	5.3386	.50341	.49935	.50364	.52260	2.8168
#2	.52571	.50502	.91280	.48573	.55658	.51614	-.00174	5.3011	.50252	.49768	.50187	.52537	2.8067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value					.50000								2.5000
Range					10.490%								10.490%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.885**	**1.0726**	**20.212**	**.51917**	**.49867**	**5.2574**	**.50062**	**.95032**	**.93402**	**.03544**	**.97657**	**1.0275**	**5.2218**
Stddev	.110	.0071	.006	.00114	.00164	.0256	.00104	.00441	.00231	.00283	.00321	.0065	.0126
%RSD	.20089	.66218	.03103	.21998	.32878	.48726	.20789	.46402	.24746	7.9974	.32890	.63310	.24086
#1	54.963	1.0776	20.216	.51836	.49983	5.2755	.50136	.94720	.93239	.03344	.97884	1.0321	5.2307
#2	54.807	1.0676	20.208	.51998	.49751	5.2393	.49989	.95343	.93566	.03745	.97429	1.0229	5.2129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.175**	**1.0216**	**.54323**	**.01355**	**.49960**	**1.0475**	**-.00191**	**.51400**	**.48935**	**.49356**
Stddev	.027	.0029	.00060	.00016	.00081	.0053	.02353	.00148	.00334	.00584
%RSD	.24086	.28919	.11135	1.1527	.16153	.50423	1232.4	.28784	.68328	1.1831
#1	11.194	1.0237	.54366	.01366	.49903	1.0512	-.01855	.51295	.48699	.49769
#2	11.156	1.0195	.54280	.01344	.50017	1.0438	.01473	.51505	.49172	.48943
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4028.6**	**62034.**	**5775.1**
Stddev	3.4	370.	27.5
%RSD	.08407	.59617	.47695
#1	4031.0	62296.	5755.6
#2	4026.2	61773.	5794.6

Sample Name: CCB Acquired: 4/9/2012 18:10:44 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00140**	**.00207**	**.00057**	**.00176**	**.00000**	**.00002**	**-.00075**	**-.00398**	**.00001**	**-.00018**	**.00002**
Stddev	.00046	.00005	.00339	.00009	.0002	.00000	.00162	.00146	.00000	.00004	.00001
%RSD	32.712	2.2796	599.88	4.8221	18246.	12.151	215.40	36.753	50.941	21.115	46.724
#1	.00172	.00210	-.00183	.00182	-.00017	.00002	-.00189	-.00501	.00001	-.00016	.00002
#2	.00107	.00204	.00296	.00170	.00017	.00002	.00039	-.00294	.00001	-.00021	.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00216**	**.00514**	**.03988**	**-.00110**	**.00265**	**.00007**	**.00088**	**.03691**	**.00001**	**.00174**	**.00135**
Stddev	.00071	.00099	.03254	.00116	.00153	.00001	.00017	.00338	.00009	.00337	.00064
%RSD	32.984	19.224	81.587	105.50	57.789	10.024	18.980	9.1625	598.25	194.34	47.443
#1	-.00267	.00444	.01687	-.00028	.00156	.00007	.00076	.03931	-.00005	.00412	.00180
#2	-.00166	.00584	.06289	-.00192	.00373	.00006	.00100	.03452	.00007	-.00065	.00089
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02720**	**.00125**	**-.00213**	**-.00075**	**-.00161**	**.00062**	**.00002**	**.00156**	**.00048**	**-.00022**	**-.00342**
Stddev	.00242	.00200	.00087	.00172	.00369	.00090	.00001	.00053	.00009	.00096	.02394
%RSD	8.8807	160.34	40.777	229.63	229.63	145.58	42.550	34.139	18.394	437.40	699.64
#1	.02890	.00266	-.00274	.00047	.00100	-.00002	.00003	.00193	.00042	-.00090	-.02035
#2	.02549	-.00017	-.00151	-.00197	-.00422	.00126	.00001	.00118	.00054	.00046	.01351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00001**	**.00150**	**-.00010**
Stddev	.00001	.00023	.00060
%RSD	112.30	15.129	587.98
#1	.00000	.00166	.00032
#2	-.00001	.00134	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.2**	**63732.**	**5717.3**
Stddev	6.5	257.	49.3
%RSD	.16147	.40333	.86169
#1	4050.6	63914.	5752.1
#2	4059.8	63550.	5682.5

Sample Name: CCVL1351092 Acquired: 4/9/2012 18:13:09 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01171**	**.10492**	**.01292**	**.09221**	**.01166**	**.00109**	**.10519**	**.21815**	**.00512**	**.01021**	**.01059**	**.01360**	**.11805**	**3.4877**
Stddev	.00058	.00108	.00242	.00086	.00014	.00004	.00149	.00079	.00008	.00007	.00004	.00020	.00024	.0456
%RSD	4.9756	1.0285	18.730	.93241	1.2101	3.5773	1.4153	.36379	1.4755	.70392	.35680	1.4345	.20507	1.3076
#1	.01129	.10415	.01121	.09160	.01156	.00112	.10414	.21759	.00506	.01016	.01057	.01346	.11822	3.4554
#2	.01212	.10568	.01463	.09281	.01176	.00106	.10625	.21872	.00517	.01026	.01062	.01374	.11787	3.5199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01066**	**.20681**	**.01090**	**.01986**	**1.1470**	**.04114**	**2.6766**	**.00957**	**.02715**	**.00878**	**.01225**	**.52993**	**1.1341**	**.10459**
Stddev	.00054	.00228	.00009	.00006	.0046	.00003	.0112	.00050	.00112	.00027	.00006	.00329	.0070	.00019
%RSD	5.0243	1.1042	.79397	.28912	.39886	.06313	.41799	5.1775	4.1313	3.0490	.50327	.62048	.62048	.18039
#1	.01028	.20519	.01084	.01982	1.1502	.04112	2.6687	.00992	.02794	.00859	.01230	.52761	1.1291	.10445
#2	.01104	.20842	.01096	.01990	1.1438	.04115	2.6845	.00922	.02636	.00897	.01221	.53226	1.1390	.10472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01122**	**.01586**	**.01018**	**.01646**	**.05251**	**.01041**	**.02113**	**.01577**
Stddev	.00017	.00099	.00006	.00033	.00508	.00014	.00038	.00179
%RSD	1.4964	6.2285	.60861	2.0234	9.6662	1.3932	1.8093	11.370
#1	.01110	.01656	.01013	.01670	.04892	.01051	.02086	.01450
#2	.01134	.01516	.01022	.01623	.05610	.01030	.02140	.01704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.1**	**64095.**	**5738.8**
Stddev	17.4	300.	48.0
%RSD	.42432	.46836	.83577
#1	4109.3	64308.	5772.7
#2	4084.8	63883.	5704.9

Sample Name: mb 280-114448/1-a Acquired: 4/9/2012 18:15:32 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00217**	**-.00047**	**.00135**	**.00004**	**.00009**	**.00349**	**.01076**	**-.00012**	**.00016**
Stddev	.00015	.00020	.00403	.00022	.00013	.00001	.00067	.00124	.00005	.00021
%RSD	10.597	9.3581	853.12	16.408	305.98	9.5211	19.349	11.523	42.455	128.54
#1	.00134	.00202	-.00332	.00120	.00013	.00010	.00397	.00989	-.00015	.00031
#2	.00156	.00231	.00238	.00151	-.00005	.00009	.00301	.01164	-.00008	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00208**	W **.04524**	**.05356**	**.00075**	**.00054**	**.00038**	**-.00030**	**.03340**	**.00015**
Stddev	.00001	.00012	.00023	.05596	.00017	.00053	.00000	.00002	.00048	.00006
%RSD	2.6100	5.6467	.51679	104.47	23.202	98.474	.85129	7.3432	1.4245	42.667
#1	.00048	-.00200	.04507	.09313	.00087	.00091	.00038	-.00029	.03306	.00010
#2	.00049	-.00217	.04540	.01399	.00063	.00016	.00038	-.00032	.03373	.00019
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**.00005**	F **.02607**	**-.00121**	**.00092**	F **-.01818**	**-.03890**	**.00051**	**.00002**	**.00141**
Stddev	.00018	.00009	.00266	.00068	.00285	.00074	.00158	.00063	.00006	.00154
%RSD	20.325	193.94	10.191	56.453	309.09	4.0541	4.0541	123.22	303.15	109.91
#1	-.00100	.00011	.02419	-.00169	.00294	-.01766	-.03778	.00096	-.00002	.00031
#2	-.00075	-.00002	.02795	-.00073	-.00109	-.01870	-.04001	.00007	.00006	.00250
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00106**	**-.00091**	**.00005**	**.00178**	**.00040**
Stddev	.00009	.00205	.01952	.00006	.00026	.00058
%RSD	20.336	193.48	2134.2	115.94	14.858	144.58
#1	.00040	-.00039	-.01472	.00009	.00196	-.00001
#2	.00053	.00251	.01289	.00001	.00159	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4146.6**	**65224.**	**5748.8**
Stddev	3.5	545.	16.0
%RSD	.08367	.83495	.27758
#1	4149.1	64839.	5760.1
#2	4144.2	65609.	5737.5

Sample Name: lcs 280-114448/2-a Acquired: 4/9/2012 18:17:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05614**	**1.9269**	**.95788**	**1.0009**	F **2.2517**	**.05297**	**2.0972**	**53.061**	**.10364**	**.49569**
Stddev	.00075	.0008	.00158	.0015	.0066	.00036	.0002	.350	.00026	.00058
%RSD	1.3407	.04098	.16489	.15290	.29209	.67264	.01043	.66001	.25043	.11697
#1	.05667	1.9274	.95676	.99980	2.2564	.05322	2.0974	53.309	.10382	.49528
#2	.05560	1.9263	.95899	1.0020	2.2471	.05272	2.0971	52.814	.10346	.49610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					2.2400					
Low Limit					1.8000					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20223**	**.26541**	**1.1287**	**56.335**	**1.0858**	**51.101**	**.52886**	**1.0098**	F **56.578**	**.50517**
Stddev	.00025	.00119	.0101	.290	.0054	.002	.00008	.0019	.195	.00126
%RSD	.12427	.44666	.89107	.51418	.49351	.00406	.01511	.19006	.34487	.24856
#1	.20205	.26457	1.1359	56.540	1.0895	51.100	.52891	1.0085	56.716	.50428
#2	.20240	.26625	1.1216	56.130	1.0820	51.103	.52880	1.0112	56.440	.50606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9506**	**.46886**	**.03805**	**.47969**	**2.1667**	**10.708**	F **22.916**	**2.0678**	F **1.1142**	**.95798**
Stddev	.0153	.00055	.00096	.00320	.0059	.035	.075	.0029	.0047	.00327
%RSD	.15382	.11764	2.5124	.66655	.27431	.32873	.32873	.13979	.42493	.34182
#1	9.9614	.46847	.03873	.48195	2.1625	10.733	22.969	2.0657	1.1176	.96029
#2	9.9397	.46925	.03737	.47743	2.1709	10.683	22.862	2.0698	1.1109	.95566
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							24.610		1.1000	
Low Limit							20.100		.91000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0161**	**2.0825**	**2.1742**	**.52364**	**.49403**	**.46488**
Stddev	.0012	.0047	.0030	.00044	.00276	.00335
%RSD	.11385	.22649	.13720	.08372	.55811	.72043
#1	1.0169	2.0792	2.1721	.52395	.49598	.46724
#2	1.0153	2.0858	2.1763	.52333	.49208	.46251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3975.4**	**61202.**	**5757.1**
Stddev	.8	43.	9.3
%RSD	.01970	.07025	.16160
#1	3975.9	61232.	5763.7
#2	3974.8	61171.	5750.6

Sample Name: 280-27312-o-1-d Acquired: 4/9/2012 18:20:06 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00082**	**.00000**	**2.7795**	**.00927**	**.00006**	**.00129**	**224.69**	**.00068**	**.00104**
Stddev	.00034	.00057	.0020	.0047	.00003	.00001	.00102	.77	.00017	.00043
%RSD	22.676	68.685	45749.	.16899	.28703	17.754	79.213	.34281	24.356	41.369
#1	.00176	.00123	.00140	2.7828	.00925	.00007	.00202	224.15	.00056	.00134
#2	.00127	.00042	-.00141	2.7762	.00929	.00006	.00057	225.24	.00080	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**-.00048**	**1.2050**	**27.827**	**.28578**	W **779.68**	**.08245**	**.00655**	W **2399.4**	**.00271**
Stddev	.00016	.00094	.0203	1.093	.00079	3.28	.00002	.00112	11.0	.00009
%RSD	29.497	196.02	1.6846	3.9276	.27547	.42131	.01859	17.106	.45961	3.2188
#1	.00042	.00018	1.1907	27.055	.28634	782.00	.08247	.00576	2391.6	.00265
#2	.00064	-.00114	1.2194	28.600	.28522	777.36	.08244	.00734	2407.2	.00277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07516**	**.00189**	F **1838.5**	**-.00252**	**.01326**	**12.516**	**26.785**	**.00062**	**2.5151**	**-.00534**
Stddev	.00142	.00164	4.6	.00100	.00155	.074	.158	.00071	.0151	.00101
%RSD	1.8949	86.604	.25214	39.801	11.659	.58956	.58956	113.89	.60127	18.957
#1	.07416	.00305	1841.8	-.00181	.01216	12.464	26.673	.00112	2.5044	-.00463
#2	.07617	.00073	1835.2	-.00323	.01435	12.568	26.896	.00012	2.5258	-.00606
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00243**	**-.00186**	**.00162**	**.00148**	**.00132**
Stddev	.00018	.00070	.00492	.00003	.00041	.00060
%RSD	21.068	28.635	264.73	2.1185	27.933	45.334
#1	.00071	.00194	.00162	.00160	.00119	.00174
#2	.00096	.00292	-.00534	.00165	.00177	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3273.8**	**49371.**	**5497.9**
Stddev	14.0	41.	33.1
%RSD	.42645	.08319	.60236
#1	3264.0	49342.	5521.3
#2	3283.7	49400.	5474.5

Sample Name: 280-27324-e-1-a Acquired: 4/9/2012 18:22:39 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.50729**	**.03047**	**5.0457**	**.14072**	**.00006**	**.00024**	**60.393**	**.00040**	**.01755**
Stddev	.00003	.00335	.00004	.0219	.00095	.00005	.00004	.402	.00001	.00006
%RSD	2.3171	.66116	.12231	.43439	.67786	78.273	17.238	.66619	2.0502	.34869
#1	.00129	.50492	.03049	5.0612	.14140	.00010	.00027	60.677	.00040	.01751
#2	.00125	.50966	.03044	5.0302	.14005	.00003	.00021	60.108	.00039	.01760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00706**	**.00642**	**2.0813**	**78.025**	**.08973**	**34.466**	**1.7533**	**.00981**	W **1082.4**	**.17148**
Stddev	.00010	.00024	.0136	.589	.00092	.172	.0090	.00002	8.2	.00001
%RSD	1.3852	3.7334	.65433	.75466	1.0257	.49953	.51494	.18116	.75839	.00849
#1	.00699	.00659	2.0909	78.441	.09038	34.588	1.7597	.00982	1088.2	.17147
#2	.00713	.00625	2.0716	77.608	.08908	34.345	1.7469	.00980	1076.6	.17149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.5384**	**.00678**	**82.975**	**-.00053**	**-.00255**	**17.413**	**37.263**	**.00165**	**1.1745**	**.00166**
Stddev	.0056	.00089	.301	.00150	.00144	.075	.162	.00097	.0085	.00076
%RSD	.15711	13.098	.36258	282.04	56.508	.43339	.43339	58.814	.72724	45.686
#1	3.5424	.00615	83.188	.00053	-.00153	17.466	37.377	.00097	1.1805	.00112
#2	3.5345	.00741	82.763	-.00159	-.00357	17.359	37.149	.00234	1.1684	.00220
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01329**	**.00193**	**-.01577**	**.01433**	**.03128**	**.00456**
Stddev	.00048	.00105	.00487	.00078	.00080	.00009
%RSD	3.6144	54.213	30.860	5.4615	2.5595	2.0684
#1	.01363	.00119	-.01233	.01489	.03185	.00462
#2	.01295	.00267	-.01921	.01378	.03072	.00449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3671.2**	**55567.**	**5789.4**
Stddev	5.6	26.	52.9
%RSD	.15132	.04668	.91386
#1	3675.2	55549.	5752.0
#2	3667.3	55585.	5826.8

Sample Name: 280-27273-f-5-a Acquired: 4/9/2012 18:25:02 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.00085**	**.00327**	**.10505**	**.04334**	**-.00002**	**.00082**	**365.48**	**.00045**	**.00360**
Stddev	.00033	.00004	.00010	.00058	.00007	.00004	.00205	.03	.00025	.00023
%RSD	14.120	4.4951	2.9917	.54763	.15054	240.09	248.60	.00833	56.000	6.3381
#1	.00260	.00083	.00333	.10545	.04339	.00001	-.00062	365.46	.00063	.00344
#2	.00213	.00088	.00320	.10464	.04329	-.00004	.00227	365.50	.00027	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00091**	**.98290**	W **120.84**	**.19959**	**148.39**	**5.8032**	**.00349**	**48.181**	**.00438**
Stddev	.00011	.00021	.00156	.19	.00067	.25	.0236	.00001	.086	.00013
%RSD	19.639	22.611	.15843	.15776	.33772	.16699	.40624	.42040	.17852	2.9840
#1	.00049	-.00076	.98180	120.97	.19911	148.56	5.8198	.00350	48.242	.00429
#2	.00065	-.00106	.98400	120.70	.20007	148.21	5.7865	.00348	48.120	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01975**	**.00388**	F **446.41**	**-.00105**	**.00219**	**10.052**	**21.511**	**-.00034**	**2.0478**	**-.00010**
Stddev	.00311	.00244	.21	.00052	.00112	.051	.109	.00020	.0013	.00262
%RSD	15.750	63.048	.04743	49.711	51.315	.50678	.50678	60.328	.06392	2604.8
#1	.02195	.00560	446.26	-.00142	.00298	10.088	21.588	-.00019	2.0487	-.00196
#2	.01755	.00215	446.56	-.00068	.00139	10.016	21.434	-.00048	2.0469	.00175
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00091**	W **-.05068**	**.00231**	**.07998**	**.00037**
Stddev	.00009	.00184	.00837	.00035	.00050	.00080
%RSD	15.888	200.68	16.511	15.350	.63126	216.95
#1	.00051	-.00038	-.04477	.00206	.08034	.00094
#2	.00064	.00221	-.05660	.00256	.07963	-.00020
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3712.7**	**57460.**	**5659.8**
Stddev	.2	198.	34.9
%RSD	.00551	.34397	.61710
#1	3712.9	57599.	5635.1
#2	3712.6	57320.	5684.5

Sample Name: 280-27273-f-5-aSD@5 Acquired: 4/9/2012 18:27:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00111**	**.00085**	**.02462**	**.00884**	**.00008**	**.00332**	**76.199**	**.00004**	**.00078**
Stddev	.00023	.00039	.00106	.00101	.00002	.00001	.00193	.158	.00011	.00012
%RSD	17.732	34.678	124.46	4.1116	.25100	18.479	58.297	.20714	266.33	15.870
#1	.00148	.00084	.00160	.02534	.00882	.00009	.00195	76.088	-.00004	.00087
#2	.00115	.00139	.00010	.02391	.00886	.00007	.00468	76.311	.00012	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00159**	**.20783**	**24.349**	**.04328**	**30.162**	**1.2164**	**.00043**	**9.4059**	W **10.119**
Stddev	.00012	.00024	.00108	.009	.00229	.070	.0035	.00014	.0171	.035
%RSD	21.250	14.856	.51861	.03575	5.2885	.23041	.28594	33.563	.18196	.35017
#1	.00049	-.00176	.20860	24.355	.04490	30.211	1.2188	.00033	9.4180	10.144
#2	.00066	-.00142	.20707	24.343	.04166	30.113	1.2139	.00053	9.3938	10.094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00501**	**.00146**	**90.635**	**-.00138**	**-.00270**	**2.0175**	**4.3175**	**-.00059**	**.41357**
Stddev	.00010	.00175	.00016	.442	.00144	.00460	.0202	.0433	.00047	.00075
%RSD	9.5740	34.833	11.031	.48715	105.05	170.61	1.0031	1.0031	79.601	.18163
#1	.00112	.00625	.00134	90.947	-.00035	.00056	2.0032	4.2869	-.00026	.41410
#2	.00098	.00378	.00157	90.322	-.00240	-.00595	2.0318	4.3481	-.00093	.41304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00023**	**.00234**	**-.00620**	**.00048**	**.01866**	**.00104**
Stddev	.00061	.00005	.00046	.00759	.00030	.00043	.00162
%RSD	284.45	21.057	19.747	122.44	63.439	2.2878	154.90
#1	-.00022	.00019	.00201	-.00083	.00026	.01896	.00219
#2	.00065	.00026	.00267	-.01156	.00069	.01836	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3989.4**	**62239.**	**5833.0**
Stddev	15.0	181.	8.7
%RSD	.37585	.29032	.14917
#1	3978.8	62111.	5839.1
#2	4000.0	62366.	5826.8

Sample Name: 280-27273-f-5-b ms Acquired: 4/9/2012 18:29:58 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05969**	**1.8281**	**1.0150**	**1.1004**	**2.3276**	**.05159**	F **2.1246**	**416.15**	**.10718**	**.48883**
Stddev	.00002	.0345	.0066	.0174	.0083	.00011	.0333	9.16	.00139	.00740
%RSD	.03080	1.8882	.65277	1.5785	.35502	.21150	1.5697	2.2002	1.2951	1.5147
#1	.05971	1.8525	1.0197	1.1127	2.3218	.05152	2.1481	409.68	.10816	.49406
#2	.05968	1.8037	1.0104	1.0882	2.3334	.05167	2.1010	422.63	.10620	.48359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20256**	**.27207**	**2.0971**	W **180.24**	**1.3185**	**198.91**	**6.3607**	**1.0191**	**105.68**	**.49613**
Stddev	.00325	.00116	.0034	.36	.0063	1.28	.0399	.0155	.45	.00740
%RSD	1.6055	.42457	.16342	.19837	.48187	.64509	.62668	1.5157	.42557	1.4911
#1	.20486	.27125	2.0995	179.99	1.3140	198.01	6.3325	1.0300	105.36	.50136
#2	.20026	.27288	2.0947	180.50	1.3230	199.82	6.3889	1.0082	105.99	.49090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.523**	**.45409**	F **458.56**	**.49428**	**2.2780**	**20.989**	**44.916**	W **2.0143**	**3.2029**	**.97558**
Stddev	.154	.00847	6.89	.00807	.0375	.071	.153	.0278	.0102	.00167
%RSD	1.4619	1.8655	1.5018	1.6320	1.6469	.34057	.34057	1.3776	.31759	.17088
#1	10.631	.46008	463.43	.49999	2.3045	20.938	44.808	2.0339	3.1957	.97440
#2	10.414	.44810	453.69	.48858	2.2515	21.039	45.024	1.9946	3.2101	.97676
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		200.00					2.0000		
Low Limit	-1.0000		-.20000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0190**	**1.9128**	**2.1668**	**.53137**	**.56185**	**.45718**
Stddev	.0013	.0349	.0208	.00055	.00061	.00009
%RSD	.13022	1.8246	.95951	.10326	.10852	.01891
#1	1.0181	1.9375	2.1521	.53176	.56228	.45724
#2	1.0199	1.8882	2.1815	.53099	.56141	.45712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3645.0**	**56697.**	**5662.5**
Stddev	32.6	222.	8.6
%RSD	.89303	.39148	.15266
#1	3622.0	56854.	5656.4
#2	3668.0	56541.	5668.7

Sample Name: 280-27273-f-5-c msd Acquired: 4/9/2012 18:32:24 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05949**	**1.8317**	**1.0211**	**1.1107**	**2.3275**	**.05114**	F **2.1512**	**402.75**	**.10777**	**.49057**
Stddev	.00042	.0086	.0139	.0101	.0035	.00014	.0157	2.04	.00080	.00208
%RSD	.69870	.46857	1.3638	.91418	.14941	.27693	.72797	.50723	.74478	.42303
#1	.05920	1.8256	1.0113	1.1036	2.3300	.05124	2.1402	404.20	.10720	.48910
#2	.05979	1.8377	1.0310	1.1179	2.3250	.05104	2.1623	401.31	.10834	.49204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20372**	**.27383**	**2.0739**	W **177.75**	**1.3144**	**195.95**	**6.2786**	**1.0298**	**104.44**	**.49881**
Stddev	.00120	.00040	.0041	.43	.0025	.65	.1025	.0035	.25	.00142
%RSD	.58842	.14624	.19976	.24209	.19027	.32966	1.6324	.33930	.24305	.28531
#1	.20287	.27412	2.0709	178.05	1.3127	195.50	6.3511	1.0273	104.62	.49781
#2	.20456	.27355	2.0768	177.44	1.3162	196.41	6.2061	1.0323	104.26	.49982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.588**	**.45922**	F **454.39**	**.50137**	**2.2866**	**20.781**	**44.472**	W **2.0218**	**3.1676**	**.97110**
Stddev	.089	.00500	2.94	.00648	.0090	.016	.034	.0092	.0010	.00506
%RSD	.83773	1.0879	.64608	1.2920	.39194	.07733	.07733	.45421	.03127	.52157
#1	10.526	.46276	452.32	.49679	2.2803	20.770	44.447	2.0153	3.1683	.97469
#2	10.651	.45569	456.47	.50595	2.2930	20.793	44.496	2.0283	3.1669	.96752
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		200.00					2.0000		
Low Limit	-1.0000		-.20000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0229**	**1.9210**	**2.1812**	**.53037**	**.55636**	**.45733**
Stddev	.0009	.0101	.0168	.00009	.00410	.00046
%RSD	.08411	.52533	.76983	.01760	.73700	.09965
#1	1.0235	1.9139	2.1693	.53030	.55926	.45701
#2	1.0223	1.9282	2.1931	.53043	.55346	.45766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3631.6**	**56951.**	**5748.9**
Stddev	13.0	59.	37.7
%RSD	.35731	.10399	.65509
#1	3640.7	56909.	5722.3
#2	3622.4	56993.	5775.6

Sample Name: 280-27273-f-1-a Acquired: 4/9/2012 18:34:49 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.01014**	**.24190**	**.20872**	**.22766**	**.00005**	**.00117**	**35.502**	**.00012**	**-.00014**
Stddev	.00003	.00134	.00178	.00315	.00008	.00007	.00110	.048	.00012	.00017
%RSD	2.5744	13.220	.73584	1.5100	.03728	148.90	93.873	.13582	97.053	120.68
#1	.00129	.01109	.24316	.20650	.22760	.00000	.00194	35.536	.00021	-.00026
#2	.00134	.00920	.24064	.21095	.22772	.00010	.00039	35.468	.00004	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**-.00078**	**1.6773**	**31.340**	**.04614**	**39.798**	**.10978**	**.00241**	**52.809**	**.00029**
Stddev	.00006	.00013	.0028	.046	.00076	.186	.00078	.00090	.131	.00009
%RSD	6.5211	16.501	.16921	.14565	1.6447	.46785	.71284	37.335	.24762	30.819
#1	.00097	-.00069	1.6752	31.308	.04668	39.930	.11033	.00177	52.717	.00036
#2	.00088	-.00088	1.6793	31.373	.04561	39.666	.10923	.00304	52.902	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2252**	**-.00094**	**.15675**	**-.00138**	**.00022**	**21.996**	**47.071**	**.00065**	**.26327**	**.00050**
Stddev	.0172	.00101	.00810	.00145	.00172	.059	.127	.00022	.00061	.00012
%RSD	1.4008	106.88	5.1669	105.13	770.31	.26951	.26951	34.522	.23272	23.319
#1	1.2131	-.00023	.15102	-.00241	-.00100	22.038	47.161	.00081	.26284	.00059
#2	1.2374	-.00165	.16247	-.00035	.00144	21.954	46.981	.00049	.26370	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00267**	**-.02130**	**.00040**	**.00328**	**.00137**
Stddev	.00029	.00093	.00790	.00015	.00023	.00153
%RSD	28.029	34.976	37.079	36.756	7.0376	111.62
#1	.00122	.00333	-.01572	.00029	.00311	.00029
#2	.00082	.00201	-.02689	.00050	.00344	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4018.8**	**61995.**	**5982.4**
Stddev	36.5	8.	33.0
%RSD	.90917	.01212	.55167
#1	4044.6	61990.	6005.8
#2	3992.9	62000.	5959.1

Sample Name: 280-27273-f-2-a Acquired: 4/9/2012 18:37:11 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.00222**	**.00233**	**.00287**	**.00033**	**.00011**	**.00280**	**.02179**	**-.00030**	**-.00008**
Stddev	.00040	.00082	.00177	.00018	.00033	.00002	.00346	.00293	.00003	.00018
%RSD	28.469	36.928	76.259	6.1944	100.67	20.619	123.57	13.465	8.7010	224.57
#1	.00112	.00280	.00358	.00299	.00009	.00012	.00035	.02386	-.00032	.00005
#2	.00169	.00164	.00107	.00274	.00056	.00009	.00525	.01971	-.00028	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00122**	**.00527**	**.15408**	**-.00145**	**.01054**	**.00011**	**.00023**	**.35525**	**.00025**
Stddev	.00014	.00012	.00073	.02911	.00153	.00121	.00003	.00023	.00063	.00007
%RSD	46.639	10.005	13.802	18.892	105.91	11.483	26.065	98.531	.17737	28.696
#1	.00020	-.00114	.00475	.17466	-.00253	.00968	.00009	.00040	.35480	.00030
#2	.00039	-.00131	.00578	.13350	-.00036	.01139	.00012	.00007	.35570	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00054**	**.07409**	**-.00170**	**.00040**	**.01044**	**.02235**	**-.00027**	**.00013**	**.00074**
Stddev	.00031	.00141	.00163	.00006	.00041	.00466	.00997	.00106	.00003	.00159
%RSD	21.872	261.24	2.2026	3.7558	103.11	44.633	44.633	397.14	26.427	214.67
#1	.00118	-.00046	.07524	-.00166	.00069	.00715	.01529	.00048	.00015	.00187
#2	.00161	.00154	.07293	-.00175	.00011	.01374	.02940	-.00101	.00010	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00039**	**-.01283**	**.00002**	**.00261**	**.00049**
Stddev	.00034	.00144	.00121	.00029	.00052	.00002
%RSD	78.413	369.29	9.4155	1738.8	19.864	3.9807
#1	.00020	-.00063	-.01198	.00022	.00298	.00050
#2	.00068	.00140	-.01369	-.00019	.00225	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4176.9**	**65407.**	**5981.3**
Stddev	39.0	111.	33.8
%RSD	.93370	.17033	.56432
#1	4204.5	65328.	6005.1
#2	4149.4	65486.	5957.4

Sample Name: CCVH-1326164 Acquired: 4/9/2012 18:39:36 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**53.666**	**-.00025**	**.00433**	**.00043**	**.00010**	**.99417**	**-.00141**	**-.00007**	**.00011**	**.00106**	**.00370**
Stddev	.00048	.079	.00175	.00046	.00011	.00002	.00129	.00097	.00001	.00003	.00018	.00027
%RSD	13.483	.14796	695.02	10.691	24.995	19.079	.12995	68.667	16.716	24.868	17.506	7.4085
#1	.00324	53.722	.00099	.00400	.00036	.00009	.99326	-.00073	-.00008	.00009	.00092	.00390
#2	.00392	53.610	-.00149	.00465	.00051	.00012	.99509	-.00210	-.00007	.00013	.00119	.00351
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.185**	**.08051**	**.00131**	**.00009**	**-.00020**	**-.00065**	**265.44**	**.00241**	**.00298**	**-.00048**	**5.0042**	**-.00345**
Stddev	.310	.01265	.00095	.00194	.00004	.00029	.66	.00018	.00018	.00167	.0089	.00118
%RSD	.57162	15.712	72.412	2056.4	18.048	44.650	.24908	7.5279	5.8878	348.70	.17867	34.320
#1	54.404	.08946	.00064	-.00128	-.00017	-.00086	264.97	.00229	.00310	.00070	5.0105	-.00429
#2	53.966	.07157	.00198	.00147	-.00022	-.00045	265.91	.00254	.00285	-.00166	4.9979	-.00261
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00405**	**.00783**	**.01676**	**.00234**	**.00046**	W **4.6673**	**.00457**	**.00276**	W **10.523**	**.00238**	**.00109**	**-.19000**
Stddev	.00296	.00166	.00355	.00030	.00004	.0153	.00033	.00107	.048	.00014	.00009	.00027
%RSD	73.224	21.174	21.174	12.706	8.0294	.32732	7.3204	38.617	.45690	6.0584	8.6869	.14038
#1	-.00614	.00666	.01425	.00213	.00043	4.6565	.00433	.00352	10.489	.00228	.00115	-.18981
#2	-.00195	.00900	.01927	.00255	.00049	4.6781	.00480	.00201	10.557	.00248	.00102	-.19018
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Warn	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3962.5**	**60996.**	**5981.9**
Stddev	17.0	91.	17.6
%RSD	.43015	.14912	.29388
#1	3974.6	61060.	5969.5
#2	3950.5	60932.	5994.3

Sample Name: CCV-1343805 Acquired: 4/9/2012 18:41:56 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52277**	**.51430**	**.94115**	**.49418**	W **.55026**	**.51203**	**.00127**	**5.2093**	**.50654**	**.50133**	**.50416**	**.52515**
Stddev	.00102	.00139	.00035	.00064	.00327	.00325	.00185	.0444	.00027	.00118	.00017	.00046
%RSD	.19462	.27011	.03767	.12961	.59517	.63398	145.18	.85182	.05233	.23598	.03288	.08732
#1	.52205	.51528	.94090	.49373	.55258	.51433	.00258	5.2407	.50635	.50049	.50428	.52483
#2	.52349	.51331	.94140	.49463	.54794	.50974	-.00003	5.1779	.50673	.50216	.50405	.52547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.50000							
Range					10.000%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7481**	**54.042**	**1.0578**	**20.102**	**.51560**	**.49958**	**5.3985**	**.50347**	**.96658**	**.94751**	**.06351**	**.99395**
Stddev	.0192	.331	.0057	.127	.00231	.00097	.0296	.00126	.00358	.00129	.00102	.00372
%RSD	.70016	.61208	.53987	.63415	.44876	.19459	.54847	.25098	.37077	.13576	1.6047	.37414
#1	2.7617	54.276	1.0618	20.012	.51396	.49889	5.4194	.50258	.96911	.94660	.06279	.99658
#2	2.7345	53.808	1.0537	20.193	.51724	.50026	5.3775	.50437	.96404	.94842	.06423	.99132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0489**	**5.1450**	**11.010**	**1.0237**	**.53755**	**.01456**	**.49692**	**1.0534**	**-.01278**	**.50994**	**.48641**	**.48864**
Stddev	.0060	.0012	.002	.0044	.00367	.00086	.00294	.0035	.00878	.00207	.00632	.00076
%RSD	.57632	.02265	.02265	.42942	.68292	5.8783	.59135	.32952	68.731	.40555	1.2989	.15521
#1	1.0447	5.1458	11.012	1.0205	.54015	.01395	.49484	1.0509	-.01899	.50848	.48195	.48918
#2	1.0532	5.1442	11.009	1.0268	.53495	.01516	.49900	1.0558	-.00657	.51140	.49088	.48811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4054.0**	**63304.**	**6039.4**
Stddev	6.2	161.	11.5
%RSD	.15208	.25501	.19074
#1	4058.3	63418.	6047.5
#2	4049.6	63190.	6031.2

Sample Name: CCB Acquired: 4/9/2012 18:44:07 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00173	.00082	.00171	.00232	.00003	.00018	-.00099	-.00253	-.00003	-.00001	.00006
Stddev	.00001	.00006	.00237	.00017	.00021	.00002	.00064	.00557	.00009	.00013	.00007
%RSD	.81342	7.8324	138.49	7.2706	673.05	11.021	64.620	219.75	346.71	1194.9	123.92
#1	.00172	.00078	.00339	.00220	-.00012	.00017	-.00144	-.00647	-.00009	-.00010	.00001
#2	.00174	.00087	.00004	.00244	.00018	.00020	-.00054	.00140	.00004	.00008	.00011
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00243	.00206	.07733	.00090	.00356	.00009	.00087	F .23190	.00043	.00140	.00057
Stddev	.00003	.00053	.03992	.00101	.00028	.00003	.00040	.00326	.00002	.00015	.00034
%RSD	1.3184	25.737	51.628	111.70	7.7867	28.359	45.354	1.4073	3.8650	10.838	59.534
#1	-.00241	.00168	.04910	.00019	.00376	.00011	.00059	.23421	.00042	.00151	.00081
#2	-.00245	.00243	.10556	.00161	.00337	.00008	.00115	.22959	.00044	.00129	.00033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05625	.00060	-.00243	-.00199	-.00426	.00121	.00010	.00159	.00035	.00068	-.01178
Stddev	.00085	.00153	.00540	.00687	.01470	.00016	.00007	.00181	.00019	.00041	.01032
%RSD	1.5182	256.38	222.24	344.81	344.81	13.155	67.589	113.65	54.221	60.146	87.667
#1	.05685	-.00049	.00139	.00287	.00613	.00110	.00005	.00031	.00048	.00039	-.00448
#2	.05564	.00168	-.00625	-.00685	-.01466	.00133	.00015	.00287	.00021	.00098	-.01908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00006	.00180	-.00021
Stddev	.00013	.00022	.00141
%RSD	211.27	12.035	678.98
#1	.00003	.00164	-.00120
#2	-.00015	.00195	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4092.8	64685.	5886.6
Stddev	6.0	174.	21.7
%RSD	.14582	.26904	.36795
#1	4097.0	64562.	5871.3
#2	4088.6	64808.	5902.0

Sample Name: CCVL1351092 Acquired: 4/9/2012 18:46:32 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01179**	**.10448**	**.01245**	**.09361**	**.01137**	**.00117**	**.10638**	**.21713**	**.00511**	**.01032**	**.01039**	**.01384**	**.11577**
Stddev	.00027	.00016	.00127	.00026	.00019	.00002	.00048	.00073	.00011	.00007	.00018	.00020	.00064
%RSD	2.2919	.14889	10.227	.27334	1.6912	1.7613	.44667	.33639	2.0617	.65933	1.7153	1.4476	.55499
#1	.01160	.10459	.01336	.09379	.01151	.00115	.10671	.21661	.00504	.01037	.01052	.01398	.11532
#2	.01198	.10437	.01155	.09342	.01124	.00118	.10604	.21765	.00519	.01027	.01027	.01369	.11622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5239**	**.01003**	**.20396**	**.01062**	**.01950**	F **1.3300**	**.04132**	**2.6837**	**.00914**	**.05496**	**.01016**	F **.00906**	**.52452**
Stddev	.0039	.00029	.00157	.00005	.00004	.0042	.00032	.0001	.00069	.00256	.00170	.00086	.01191
%RSD	.10995	2.8670	.77176	.46647	.20556	.31898	.78633	.00192	7.5605	4.6578	16.688	9.4925	2.2704
#1	3.5266	.00983	.20508	.01066	.01953	1.3270	.04154	2.6837	.00963	.05677	.00896	.00967	.51610
#2	3.5212	.01024	.20285	.01059	.01947	1.3330	.04109	2.6837	.00865	.05315	.01136	.00845	.53294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value						1.0000						.01500	
Range						30.000%						-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1225**	**.10334**	**.01130**	**.01607**	**.00999**	**.01710**	**.04688**	**.01018**	**.02080**	**.01531**
Stddev	.0255	.00021	.00013	.00073	.00017	.00010	.00924	.00010	.00060	.00158
%RSD	2.2704	.20117	1.1785	4.5353	1.7489	.57673	19.712	1.0288	2.8677	10.322
#1	1.1045	.10320	.01120	.01556	.00986	.01717	.05342	.01010	.02038	.01643
#2	1.1405	.10349	.01139	.01659	.01011	.01703	.04035	.01025	.02122	.01419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4105.6**	**65226.**	**5876.1**
Stddev	2.6	51.	2.9
%RSD	.06291	.07812	.04916
#1	4103.8	65190.	5874.1
#2	4107.4	65262.	5878.2

Sample Name: 280-27273-f-3-a Acquired: 4/9/2012 18:48:54 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00241**	**.37079**	**.34977**	**.17566**	**.00011**	**.00171**	**23.755**	**-.00004**	**-.00044**
Stddev	.00034	.00048	.00109	.00232	.00223	.00002	.00058	.327	.00003	.00002
%RSD	27.036	19.997	.29351	.66245	1.2721	14.610	33.947	1.3773	67.945	4.3822
#1	.00103	.00275	.37002	.34813	.17724	.00012	.00212	23.986	-.00002	-.00043
#2	.00152	.00207	.37156	.35141	.17408	.00010	.00130	23.523	-.00006	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00132**	**1.5768**	**31.965**	**.05063**	**31.108**	**.07342**	**-.00025**	**104.10**	**.00026**
Stddev	.00012	.00048	.0337	.356	.00070	.116	.00025	.00014	2.03	.00010
%RSD	22.142	36.560	2.1396	1.1152	1.3860	.37318	.34314	58.675	1.9531	36.310
#1	.00047	-.00166	1.6007	32.217	.05113	31.190	.07360	-.00014	105.53	.00033
#2	.00064	-.00098	1.5530	31.713	.05013	31.026	.07324	-.00035	102.66	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4612**	**.00116**	**.16881**	**-.00130**	**.00253**	**22.158**	**47.419**	**.00007**	**.19980**	**-.00108**
Stddev	.0028	.00046	.00324	.00106	.00060	.390	.834	.00058	.00285	.00022
%RSD	.19384	39.825	1.9180	81.428	23.857	1.7583	1.7583	826.33	1.4260	19.915
#1	1.4592	.00148	.17110	-.00055	.00211	22.434	48.008	.00048	.20182	-.00124
#2	1.4632	.00083	.16652	-.00205	.00296	21.883	46.829	-.00034	.19779	-.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00237**	**-.00283**	**.00057**	**.00309**	**.00194**
Stddev	.00022	.00110	.00076	.00018	.00007	.00012
%RSD	33.409	46.483	26.756	30.868	2.3950	6.0532
#1	.00083	.00315	-.00230	.00044	.00304	.00186
#2	.00051	.00159	-.00337	.00069	.00314	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3994.5**	**62145.**	**5906.0**
Stddev	.3	126.	29.6
%RSD	.00694	.20269	.50204
#1	3994.7	62056.	5885.0
#2	3994.3	62234.	5927.0

Sample Name: 280-27273-f-4-a Acquired: 4/9/2012 18:51:16 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00224**	**.29021**	**.25022**	**.18923**	**.00005**	**.00014**	**30.134**	**.00015**	**-.00007**
Stddev	.00065	.00008	.00179	.00081	.00134	.00005	.00013	.100	.00002	.00007
%RSD	52.331	3.6498	.61685	.32276	.70565	92.906	93.975	.33286	13.287	100.98
#1	.00171	.00218	.29148	.25079	.18828	.00002	.00023	30.063	.00017	-.00002
#2	.00079	.00230	.28895	.24965	.19017	.00009	.00005	30.205	.00014	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00095**	**1.8891**	**32.646**	**.04429**	**37.788**	**.13659**	**-.00033**	**62.224**	**.00015**
Stddev	.00001	.00015	.0221	.087	.00101	.172	.00008	.00021	.041	.00014
%RSD	2.5258	15.560	1.1702	.26563	2.2813	.45601	.06090	63.388	.06649	93.556
#1	.00035	-.00085	1.8734	32.585	.04357	37.909	.13665	-.00048	62.194	.00005
#2	.00037	-.00106	1.9047	32.708	.04500	37.666	.13653	-.00018	62.253	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4853**	**.00031**	**.13584**	**-.00111**	**.00041**	**22.949**	**49.111**	**-.00027**	**.22321**	**-.00045**
Stddev	.0089	.00036	.00025	.00026	.00192	.089	.191	.00101	.00107	.00007
%RSD	.60122	115.94	.18516	23.763	468.10	.38854	.38854	368.10	.48024	16.036
#1	1.4916	.00006	.13566	-.00092	-.00095	22.886	48.976	-.00099	.22245	-.00050
#2	1.4789	.00056	.13602	-.00130	.00176	23.012	49.246	.00044	.22397	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00275**	**-.00310**	**.00069**	**.00220**	**.00130**
Stddev	.00012	.00035	.00772	.00031	.00018	.00035
%RSD	19.557	12.807	249.41	45.604	8.1001	26.980
#1	.00068	.00250	.00236	.00047	.00232	.00155
#2	.00052	.00300	-.00856	.00091	.00207	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3973.6**	**62273.**	**6025.1**
Stddev	11.6	45.	69.0
%RSD	.29154	.07194	1.1453
#1	3981.8	62304.	6073.9
#2	3965.4	62241.	5976.3

Sample Name: 280-27273-f-7-a Acquired: 4/9/2012 18:53:37 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00029**	**.01091**	**.73657**	**.30318**	**.00007**	**-.00404**	W **977.80**	**.00083**	**.00322**
Stddev	.00086	.00046	.00365	.00417	.00144	.00002	.00059	4.44	.00003	.00013
%RSD	66.771	160.32	33.431	.56647	.47503	35.265	14.573	.45393	4.0300	3.9274
#1	.00068	.00062	.00833	.73952	.30216	.00009	-.00445	980.94	.00081	.00313
#2	.00189	-.00004	.01349	.73361	.30420	.00005	-.00362	974.66	.00086	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00146**	**.00139**	**.05085**	W **123.33**	**.43399**	**466.48**	**.73522**	**.01083**	**96.828**	**.00494**
Stddev	.00023	.00039	.00348	.53	.00186	3.94	.00081	.00037	.271	.00002
%RSD	15.680	28.350	6.8446	.42982	.42854	.84553	.10998	3.4043	.28019	.42794
#1	.00130	.00167	.04839	122.96	.43267	469.27	.73579	.01109	96.637	.00493
#2	.00162	.00111	.05331	123.71	.43530	463.70	.73465	.01057	97.020	.00496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11447**	**.00587**	**162.89**	**-.00740**	**.00748**	**28.233**	**60.418**	**.00053**	W **7.4179**	**-.00304**
Stddev	.00271	.00083	.85	.00238	.00201	.046	.098	.00029	.0176	.00249
%RSD	2.3666	14.140	.52459	32.144	26.930	.16254	.16254	54.702	.23706	82.026
#1	.11256	.00645	163.50	-.00908	.00890	28.265	60.487	.00074	7.4055	-.00480
#2	.11639	.00528	162.29	-.00572	.00606	28.200	60.348	.00033	7.4303	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00204**	**.03053**	**.00298**	**.00241**	**.00180**
Stddev	.00012	.00018	.02776	.00024	.00054	.00160
%RSD	14.962	8.5636	90.925	8.1482	22.372	89.192
#1	.00069	.00217	.05015	.00281	.00279	.00066
#2	.00086	.00192	.01090	.00315	.00203	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3363.1**	**53062.**	**5556.9**
Stddev	13.3	84.	28.6
%RSD	.39621	.15847	.51513
#1	3353.6	53002.	5577.1
#2	3372.5	53121.	5536.6

Sample Name: 280-27273-f-8-a Acquired: 4/9/2012 18:56:15 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.00070**	**.00344**	**.73957**	**.30278**	**.00009**	**-.00238**	W **965.95**	**.00076**	**.00313**
Stddev	.00005	.00020	.00234	.00900	.00126	.00008	.00147	16.38	.00003	.00022
%RSD	3.4493	28.567	68.132	1.2167	.41575	92.635	61.747	1.6953	4.2172	7.0432
#1	.00137	.00084	.00178	.74594	.30189	.00014	-.00134	977.53	.00078	.00328
#2	.00144	.00056	.00509	.73321	.30367	.00003	-.00343	954.37	.00074	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00177**	**.04717**	W **119.94**	**.43101**	**461.35**	**.72183**	**.01104**	**96.550**	**.00481**
Stddev	.00003	.00022	.00061	.39	.00073	5.33	.00302	.00033	.528	.00037
%RSD	2.2394	12.686	1.2924	.32173	.16989	1.1550	.41808	2.9710	.54713	7.7296
#1	.00128	.00193	.04760	119.66	.43049	457.58	.72397	.01127	96.176	.00508
#2	.00132	.00161	.04674	120.21	.43152	465.12	.71970	.01081	96.923	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11048**	**.00609**	**158.07**	**-.00673**	**.00620**	**28.253**	**60.461**	**-.00055**	W **7.3096**	**-.00315**
Stddev	.00113	.00074	1.64	.00350	.00185	.073	.157	.00096	.1049	.00003
%RSD	1.0223	12.155	1.0397	52.005	29.814	.25894	.25894	175.61	1.4345	.90664
#1	.10968	.00662	159.23	-.00425	.00489	28.305	60.572	.00013	7.3837	-.00313
#2	.11128	.00557	156.91	-.00920	.00750	28.201	60.350	-.00123	7.2354	-.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00326**	**.02103**	**.00312**	**.00241**	**.00135**
Stddev	.00006	.00180	.00190	.00015	.00016	.00064
%RSD	8.2627	55.260	9.0381	4.6864	6.4730	47.272
#1	.00082	.00453	.01969	.00301	.00252	.00180
#2	.00073	.00199	.02238	.00322	.00230	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3372.0**	**53136.**	**5563.5**
Stddev	24.0	56.	28.7
%RSD	.71085	.10470	.51611
#1	3355.1	53097.	5543.2
#2	3389.0	53175.	5583.8

Sample Name: 280-27273-f-9-a Acquired: 4/9/2012 18:58:51 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00056**	**.02672**	**1.0563**	**.05008**	**.00001**	**.00239**	**138.30**	**.00044**	**.00069**
Stddev	.00030	.00019	.00362	.0008	.00061	.00003	.00045	.34	.00005	.00016
%RSD	24.102	33.376	13.553	.07661	1.2184	235.65	18.707	.24637	10.351	23.372
#1	.00146	.00069	.02416	1.0557	.04965	.00003	.00271	138.06	.00048	.00080
#2	.00104	.00043	.02928	1.0569	.05051	-.00001	.00208	138.54	.00041	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00133**	**.00471**	W **227.26**	**.35350**	**157.72**	**.49811**	**.01748**	**240.08**	**.00321**
Stddev	.00008	.00044	.00059	1.67	.00088	1.83	.00522	.00029	2.55	.00019
%RSD	54.959	33.281	12.475	.73506	.24901	1.1613	1.0476	1.6418	1.0618	5.8435
#1	.00020	.00102	.00512	226.08	.35288	156.42	.49442	.01769	238.28	.00307
#2	.00009	.00164	.00429	228.44	.35413	159.01	.50180	.01728	241.89	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37469**	**.00067**	F **266.17**	**-.00405**	**.00919**	**14.092**	**30.156**	**-.00011**	**1.5876**	**-.00109**
Stddev	.00191	.00053	.05	.00239	.00264	.037	.078	.00009	.0164	.00353
%RSD	.50921	77.986	.02011	58.915	28.667	.25972	.25972	82.978	1.0356	324.04
#1	.37334	.00104	266.21	-.00237	.00733	14.066	30.101	-.00004	1.5759	-.00359
#2	.37604	.00030	266.14	-.00574	.01106	14.118	30.212	-.00017	1.5992	.00141
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00406**	**.01215**	**.00466**	**.00270**	**.00104**
Stddev	.00023	.00197	.02675	.00022	.00030	.00101
%RSD	41.733	48.663	220.13	4.7683	11.027	96.531
#1	.00070	.00545	.03107	.00482	.00249	.00176
#2	.00038	.00266	-.00676	.00451	.00291	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3681.0**	**57837.**	**5883.3**
Stddev	3.7	443.	26.4
%RSD	.10088	.76630	.44926
#1	3683.7	58150.	5902.0
#2	3678.4	57524.	5864.6

Sample Name: 280-27273-f-10-a Acquired: 4/9/2012 19:01:11 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00133	.01607	.05606	.47366	.41006	.00010	.00221	67.811	.00029	.00021
Stddev	.00019	.00015	.00076	.00097	.00515	.00005	.00040	1.137	.00008	.00009
%RSD	14.638	.94306	1.3641	.20468	1.2553	48.039	17.983	1.6766	27.799	40.820
#1	.00146	.01617	.05552	.47435	.40642	.00007	.00193	67.007	.00035	.00015
#2	.00119	.01596	.05661	.47298	.41370	.00014	.00249	68.615	.00024	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00056	-.00036	3.2350	87.782	.11711	95.670	.29000	.00967	138.65	.00044
Stddev	.00011	.00009	.0304	.912	.00169	1.454	.00418	.00035	2.05	.00016
%RSD	19.567	24.173	.93927	1.0392	1.4453	1.5204	1.4425	3.6068	1.4756	36.459
#1	.00048	-.00030	3.2135	87.137	.11591	96.698	.29295	.00942	137.21	.00033
#2	.00064	-.00043	3.2565	88.427	.11831	94.641	.28704	.00991	140.10	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1531	.00093	105.48	-.00018	.00069	17.158	36.718	-.00122	.82278	-.00113
Stddev	.0079	.00180	.45	.00240	.00118	.217	.463	.00040	.00997	.00007
%RSD	.68192	193.90	.43056	1356.4	169.45	1.2620	1.2620	32.309	1.2117	5.7915
#1	1.1476	.00221	105.80	-.00187	-.00014	17.005	36.391	-.00150	.81573	-.00108
#2	1.1587	-.00035	105.16	.00152	.00152	17.311	37.046	-.00094	.82983	-.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.00267	.00152	.00128	.00252	.00145
Stddev	.00008	.00031	.01393	.00054	.00006	.00058
%RSD	14.150	11.507	915.68	41.986	2.5342	40.001
#1	.00048	.00246	-.00833	.00166	.00247	.00104
#2	.00058	.00289	.01137	.00090	.00256	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3820.7	59836.	5990.5
Stddev	8.9	726.	88.9
%RSD	.23299	1.2135	1.4844
#1	3814.4	59323.	6053.4
#2	3827.0	60350.	5927.7

Sample Name: 280-27273-f-11-a Acquired: 4/9/2012 19:03:32 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**.00108**	**-.00014**	**.00150**	**.00005**	**.00007**	**.00363**	**.01940**	**-.00007**	**.00011**
Stddev	.00023	.00002	.00002	.00034	.00019	.00008	.00191	.00156	.00001	.00003
%RSD	17.370	1.8382	11.321	22.382	387.89	113.44	52.584	8.0576	20.357	25.881
#1	.00151	.00106	-.00015	.00174	.00018	.00013	.00228	.01829	-.00008	.00009
#2	.00118	.00109	-.00013	.00126	-.00008	.00001	.00498	.02050	-.00006	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00211**	**.00355**	**.18404**	**-.00049**	**.00429**	**.00001**	**-.00017**	**.34140**	**.00018**
Stddev	.00019	.00029	.00050	.00921	.00119	.00115	.00004	.00013	.00370	.00006
%RSD	205.91	13.765	13.982	5.0054	245.97	26.914	311.51	81.268	1.0838	30.850
#1	-.00004	-.00190	.00320	.17753	-.00133	.00510	-.00002	-.00026	.34401	.00022
#2	.00023	-.00232	.00390	.19055	.00036	.00347	.00005	-.00007	.33878	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.00098**	**.04378**	**-.00133**	**-.00477**	**-.01325**	**-.02835**	**.00032**	**.00006**	**.00058**
Stddev	.00036	.00013	.00627	.00031	.00204	.00601	.01285	.00130	.00006	.00125
%RSD	14.993	13.792	14.327	23.468	42.762	45.338	45.338	409.36	113.68	216.95
#1	.00214	.00088	.03935	-.00111	-.00621	-.01749	-.03743	.00123	.00010	-.00031
#2	.00265	.00107	.04822	-.00155	-.00333	-.00900	-.01926	-.00060	.00001	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00082**	**.00346**	**.00005**	**.00259**	**.00148**
Stddev	.00007	.00118	.01157	.00023	.00030	.00223
%RSD	20.163	144.15	334.09	461.93	11.719	150.58
#1	.00030	.00165	.01165	-.00011	.00237	-.00010
#2	.00040	-.00002	-.00472	.00021	.00280	.00306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4101.7**	**65270.**	**5981.6**
Stddev	11.2	33.	8.1
%RSD	.27419	.05095	.13529
#1	4093.7	65247.	5975.9
#2	4109.6	65294.	5987.4

Sample Name: 280-27273-f-12-a Acquired: 4/9/2012 19:05:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00765**	**.12816**	**.89131**	**.31185**	**.00006**	**-.00027**	**56.270**	**.00047**	**-.00021**
Stddev	.00018	.00003	.00002	.00390	.00381	.00001	.00071	.812	.00022	.00010
%RSD	12.638	.34856	.01281	.43764	1.2226	21.755	265.85	1.4432	46.152	48.667
#1	.00130	.00767	.12815	.88856	.31455	.00005	-.00077	56.844	.00032	-.00014
#2	.00156	.00763	.12817	.89407	.30916	.00007	.00024	55.696	.00062	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00005**	**.35588**	**85.094**	**.13611**	**83.480**	**.13610**	**.01406**	**236.08**	**.00078**
Stddev	.00027	.00003	.00547	1.182	.00299	.367	.00007	.00017	3.54	.00030
%RSD	36.890	61.877	1.5375	1.3889	2.1986	.43923	.05106	1.1827	1.5005	38.854
#1	.00054	-.00003	.35975	85.930	.13822	83.221	.13605	.01394	238.58	.00099
#2	.00093	-.00007	.35201	84.258	.13399	83.739	.13614	.01418	233.57	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3485**	**.00038**	**95.103**	**-.00200**	**.00559**	**21.450**	**45.903**	**-.00067**	**.75390**	**-.00147**
Stddev	.0007	.00054	.212	.00047	.00353	.333	.712	.00017	.00854	.00162
%RSD	.05061	141.95	.22288	23.572	63.225	1.5515	1.5515	24.852	1.1332	110.45
#1	1.3480	.00077	94.953	-.00233	.00309	21.685	46.407	-.00055	.75994	-.00262
#2	1.3489	.00000	95.252	-.00166	.00808	21.215	45.399	-.00079	.74786	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00247**	**.00675**	**.00168**	**.00325**	**.00135**
Stddev	.00008	.00049	.00181	.00001	.00003	.00024
%RSD	7.5308	19.686	26.853	.62491	.89542	18.073
#1	.00118	.00212	.00803	.00168	.00323	.00118
#2	.00106	.00281	.00547	.00169	.00327	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3813.5**	**59096.**	**5870.2**
Stddev	6.3	349.	73.5
%RSD	.16549	.59089	1.2519
#1	3817.9	59343.	5818.3
#2	3809.0	58849.	5922.2

Sample Name: 280-27273-f-13-a Acquired: 4/9/2012 19:08:18 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.00125**	**.02974**	**.79185**	**.12299**	**.00000**	**.00159**	**92.163**	**.00043**	**.00007**
Stddev	.00025	.00028	.00134	.00103	.00080	.0000	.00170	.545	.00010	.00010
%RSD	17.397	22.607	4.5140	.12974	.64692	530.84	107.08	.59150	24.358	148.20
#1	.00165	.00144	.02879	.79258	.12242	-.00001	.00279	91.778	.00050	.00000
#2	.00129	.00105	.03069	.79113	.12355	.00000	.00039	92.548	.00035	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00009**	**.00677**	W **222.58**	**.25564**	**122.21**	**.08134**	**.00807**	**139.68**	**.00172**
Stddev	.00010	.00042	.00195	.81	.00068	1.71	.00111	.00017	.41	.00020
%RSD	17.388	469.36	28.779	.36543	.26792	1.3972	1.3626	2.1311	.29538	11.788
#1	.00067	-.00021	.00539	222.00	.25612	121.00	.08055	.00795	139.39	.00158
#2	.00052	.00038	.00815	223.15	.25515	123.42	.08212	.00819	139.97	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31480**	**.00109**	**122.10**	**-.00112**	**.01459**	**19.030**	**40.723**	**-.00040**	**1.3073**	**-.00040**
Stddev	.00057	.00028	.13	.00182	.00324	.040	.086	.00032	.0061	.00161
%RSD	.17965	25.399	.10777	162.65	22.223	.21159	.21159	79.512	.46577	400.63
#1	.31440	.00090	122.19	.00017	.01688	19.001	40.662	-.00062	1.3030	-.00154
#2	.31520	.00129	122.00	-.00240	.01230	19.058	40.784	-.00017	1.3116	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00250**	**.00432**	**.00665**	**.00260**	**.00078**
Stddev	.00012	.00194	.01754	.00031	.00020	.00153
%RSD	22.369	77.605	406.01	4.6044	7.8177	195.96
#1	.00043	.00387	.01672	.00686	.00246	-.00030
#2	.00060	.00113	-.00808	.00643	.00274	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3763.6**	**58594.**	**5840.9**
Stddev	5.0	426.	5.2
%RSD	.13182	.72686	.08868
#1	3767.1	58895.	5844.6
#2	3760.1	58293.	5837.2

Sample Name: 280-27273-f-14-a Acquired: 4/9/2012 19:10:39 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00287**	**.01200**	**1.2904**	**.08134**	**.00004**	**.00078**	**172.35**	**.00063**	**.00021**
Stddev	.00018	.00027	.00166	.0052	.00002	.00002	.00307	.37	.00015	.00000
%RSD	12.566	9.3338	13.822	.39940	.03035	38.736	395.55	.21267	23.960	.51904
#1	.00155	.00268	.01082	1.2868	.08136	.00006	-.00139	172.61	.00074	.00021
#2	.00130	.00306	.01317	1.2941	.08132	.00003	.00294	172.10	.00053	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**.00067**	**.02321**	W **104.14**	**.21359**	**132.10**	**.01744**	**.00572**	**95.697**	**.00267**
Stddev	.00022	.00002	.00005	.72	.00085	1.67	.00019	.00005	.536	.00006
%RSD	10.718	2.3358	.22135	.69055	.39732	1.2642	1.0999	.91281	.56008	2.3610
#1	.00218	.00065	.02317	104.65	.21419	130.91	.01730	.00576	96.076	.00263
#2	.00187	.00068	.02325	103.64	.21299	133.28	.01757	.00569	95.318	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11521**	**.00129**	W **194.42**	**-.00334**	**.05474**	**24.828**	**53.132**	**-.00152**	**1.9546**	**-.00211**
Stddev	.00068	.00007	.69	.00148	.00116	.063	.135	.00021	.0098	.00141
%RSD	.58751	5.4409	.35640	44.277	2.1227	.25347	.25347	13.538	.50147	66.838
#1	.11473	.00134	193.93	-.00438	.05392	24.873	53.227	-.00138	1.9615	-.00311
#2	.11569	.00124	194.91	-.00229	.05556	24.784	53.037	-.00167	1.9476	-.00111
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00241**	**.02698**	**.00569**	**.00373**	**.00145**
Stddev	.00009	.00127	.00249	.00051	.00026	.00061
%RSD	14.068	52.587	9.2153	9.0012	6.8891	42.072
#1	.00069	.00331	.02874	.00605	.00355	.00188
#2	.00056	.00151	.02522	.00533	.00391	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3767.8**	**59286.**	**5826.7**
Stddev	7.2	412.	42.4
%RSD	.19187	.69563	.72695
#1	3773.0	59577.	5796.8
#2	3762.7	58994.	5856.7

Sample Name: CCVH-1326164 Acquired: 4/9/2012 19:13:00 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**53.705**	**-.00495**	**.00421**	**.00046**	**.00009**	**.98801**	**.00918**	**-.00009**	**.00006**	**.00132**	**.00324**
Stddev	.00011	.194	.00295	.00016	.00016	.00001	.00441	.00565	.00012	.00015	.00018	.00060
%RSD	2.9188	.36174	59.599	3.7497	35.291	10.424	.44607	61.595	132.11	264.43	13.489	18.487
#1	.00357	53.842	-.00704	.00410	.00058	.00008	.98490	.00518	-.00001	.00017	.00144	.00282
#2	.00372	53.568	-.00286	.00432	.00035	.00010	.99113	.01317	-.00018	-.00005	.00119	.00366
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.877**	**.23665**	**-.00229**	**.00614**	**-.00023**	**-.00073**	**266.23**	**.00209**	**.00254**	**-.00424**	**4.8912**	**-.00200**
Stddev	.016	.05027	.00003	.00310	.00011	.00008	1.60	.00041	.00244	.00084	.0035	.00181
%RSD	.02885	21.244	1.3917	50.478	49.471	10.994	.60094	19.738	96.277	19.842	.07109	90.772
#1	53.866	.27220	-.00226	.00833	-.00015	-.00067	267.36	.00239	.00426	-.00484	4.8888	-.00328
#2	53.888	.20110	-.00231	.00395	-.00031	-.00078	265.10	.00180	.00081	-.00365	4.8937	-.00072
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00439**	**.00752**	**.01610**	**.00244**	**.00045**	W **4.6599**	**.00527**	**.00077**	W **10.582**	**.00236**	**.00079**	**-.18900**
Stddev	.00166	.00376	.00805	.00120	.00007	.0987	.00012	.00009	.209	.00061	.00008	.00583
%RSD	37.903	50.017	50.017	49.352	16.133	2.1177	2.2981	11.451	1.9743	25.627	10.704	3.0834
#1	-.00557	.00486	.01040	.00329	.00050	4.5901	.00519	.00071	10.434	.00279	.00073	-.18488
#2	-.00321	.01018	.02179	.00159	.00039	4.7297	.00536	.00084	10.730	.00193	.00085	-.19313
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Warn	None	None	None
Value						5.0000			10.000			
Range						-5.0000%			5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3950.7**	**60445.**	**5989.6**
Stddev	23.4	766.	16.8
%RSD	.59240	1.2679	.27977
#1	3967.2	60987.	6001.5
#2	3934.1	59903.	5977.8

Sample Name: CCV-1343805 Acquired: 4/9/2012 19:15:21 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51937**	**.49773**	**.92213**	**.48843**	F **.56038**	**.51950**	**.00108**	**5.3149**	**.50134**	**.49621**	**.49998**	**.52041**	F **2.7974**
Stddev	.00093	.00127	.00166	.00057	.00006	.00053	.00188	.0176	.00065	.00133	.00152	.00004	.0199
%RSD	.17943	.25446	.18030	.11663	.01012	.10258	174.59	.33080	.13038	.26870	.30463	.00701	.71139
#1	.51871	.49683	.92330	.48803	.56034	.51988	-.00025	5.3273	.50087	.49527	.49890	.52044	2.8115
#2	.52003	.49862	.92095	.48884	.56042	.51913	.00241	5.3024	.50180	.49716	.50106	.52039	2.7834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value					.50000								2.5000
Range					10.490%								10.490%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.997**	**1.0766**	**19.885**	**.51233**	**.49590**	**5.4447**	**.49772**	**.95041**	**.93245**	**.03583**	**.97633**	**1.0333**	**5.2423**
Stddev	.026	.0008	.171	.00387	.00043	.0145	.00110	.00050	.00218	.00001	.00078	.0001	.0099
%RSD	.04659	.07677	.85781	.75467	.08577	.26649	.22038	.05213	.23361	.03447	.07977	.01495	.18834
#1	55.015	1.0760	19.765	.50959	.49620	5.4550	.49694	.95006	.93091	.03582	.97688	1.0334	5.2353
#2	54.979	1.0772	20.006	.51506	.49560	5.4344	.49849	.95076	.93399	.03584	.97578	1.0332	5.2492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.218**	**1.0131**	**.54712**	**.01443**	**.49395**	**1.0469**	**-.01670**	**.50795**	**.48241**	**.49563**
Stddev	.021	.0025	.00031	.00025	.00324	.0023	.00794	.00360	.00527	.00043
%RSD	.18834	.24835	.05650	1.7410	.65669	.21688	47.511	.70891	1.0934	.08735
#1	11.203	1.0113	.54690	.01425	.49166	1.0453	-.02232	.50541	.47868	.49532
#2	11.233	1.0148	.54734	.01460	.49624	1.0485	-.01109	.51050	.48614	.49594
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4054.9**	**62943.**	**5922.4**
Stddev	.7	199.	15.9
%RSD	.01610	.31617	.26899
#1	4054.4	63084.	5933.6
#2	4055.3	62802.	5911.1

Sample Name: CCB Acquired: 4/9/2012 19:17:32 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00117**	**.00028**	**.00091**	**.00243**	**-.00003**	**.00007**	**.00003**	**-.00229**	**.00000**	**-.00002**	**.00006**
Stddev	.00026	.00010	.00376	.00002	.00012	.00007	.00053	.00104	.00003	.00028	.00010
%RSD	22.575	34.312	411.19	.82923	403.72	100.75	1753.4	45.268	6328.5	1815.1	168.24
#1	.00098	.00021	.00357	.00245	-.00012	.00012	.00040	-.00302	-.00002	.00018	-.00001
#2	.00136	.00035	-.00174	.00242	.00006	.00002	-.00034	-.00155	.00002	-.00021	.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00229**	**.00016**	**.12441**	**-.00056**	**.00104**	**.00006**	**.00065**	F **.22612**	**.00019**	**.00241**	**.00106**
Stddev	.00035	.00161	.00905	.00050	.00049	.00002	.00033	.00435	.00019	.00024	.00079
%RSD	15.383	983.65	7.2713	88.872	46.728	27.286	50.872	1.9249	102.36	10.024	74.264
#1	-.00254	.00130	.11802	-.00021	.00138	.00005	.00042	.22304	.00005	.00258	.00050
#2	-.00204	-.00097	.13081	-.00091	.00070	.00007	.00089	.22920	.00032	.00224	.00161
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03187**	**.00049**	**-.00194**	**-.00108**	**-.00230**	**.00072**	**.00003**	**-.00024**	**.00060**	**-.00014**	**-.00381**
Stddev	.00105	.00090	.00186	.01992	.04262	.00047	.00002	.00040	.00010	.00093	.02197
%RSD	3.2959	182.13	95.794	1852.2	1852.2	64.567	59.824	167.33	16.804	652.90	577.35
#1	.03261	-.00014	-.00063	-.01516	-.03244	.00105	.00004	-.00052	.00067	-.00080	-.01934
#2	.03113	.00113	-.00325	.01301	.02783	.00039	.00002	.00004	.00052	.00052	.01173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00013**	**.00130**	**-.00088**
Stddev	.00004	.00010	.00069
%RSD	28.366	8.0568	78.027
#1	-.00016	.00123	-.00137
#2	-.00011	.00137	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4083.2**	**64145.**	**5841.9**
Stddev	.5	159.	6.8
%RSD	.01324	.24716	.11650
#1	4083.6	64032.	5846.7
#2	4082.8	64257.	5837.1

Sample Name: CCVL1351092 Acquired: 4/9/2012 19:19:56 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.10431**	**.01340**	**.09239**	**.01127**	**.00108**	**.10456**	**.21355**	**.00496**	**.01021**	**.01053**	**.01370**	**.11533**
Stddev	.00007	.00140	.00109	.00082	.00046	.00005	.00111	.00006	.00007	.00028	.00008	.00000	.00119
%RSD	.57701	1.3443	8.1408	.88421	4.0787	4.1799	1.0586	.02977	1.4462	2.7548	.76376	.02858	1.0281
#1	.01152	.10332	.01418	.09181	.01159	.00105	.10378	.21350	.00491	.01041	.01059	.01369	.11617
#2	.01143	.10531	.01263	.09297	.01094	.00111	.10535	.21359	.00501	.01001	.01048	.01370	.11450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5181**	**.00998**	**.20335**	**.01060**	**.01971**	F **1.3111**	**.04122**	**2.6781**	**.00957**	**.02714**	**.00823**	F **.00803**	**.50676**
Stddev	.0179	.00041	.00183	.00002	.00046	.0043	.00001	.0128	.00028	.00124	.00021	.00176	.00945
%RSD	.50862	4.1572	.89748	.17974	2.3130	.33197	.02770	.47858	2.8945	4.5561	2.5296	21.881	1.8649
#1	3.5054	.00968	.20206	.01059	.01939	1.3080	.04123	2.6691	.00977	.02627	.00838	.00679	.51345
#2	3.5307	.01027	.20465	.01062	.02004	1.3142	.04121	2.6872	.00938	.02802	.00809	.00928	.50008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value						1.0000						.01500	
Range						30.000%						-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0845**	**.10208**	**.01135**	**.01556**	**.01000**	**.01526**	**.05641**	**.00996**	**.02134**	**.01507**
Stddev	.0202	.00081	.00005	.00203	.00003	.00068	.01382	.00008	.00006	.00098
%RSD	1.8649	.79651	.43671	13.021	.25211	4.4382	24.496	.84317	.27829	6.4993
#1	1.0988	.10265	.01131	.01699	.01002	.01478	.04664	.00990	.02138	.01576
#2	1.0702	.10150	.01138	.01413	.00998	.01574	.06618	.01002	.02130	.01438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4096.7**	**64928.**	**5922.0**
Stddev	13.2	96.	3.9
%RSD	.32295	.14797	.06651
#1	4106.1	64996.	5924.8
#2	4087.4	64860.	5919.2

Sample Name: mb 280-114413/1-a Acquired: 4/9/2012 19:22:19 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**.00344**	**.00232**	**.00101**	**.00333**	**.00003**	**.00099**	**-.00012**	**-.00016**	**-.00006**
Stddev	.00030	.00016	.00308	.00019	.00004	.00001	.00074	.00092	.00003	.00004
%RSD	20.843	4.6793	132.90	18.577	1.2870	51.176	74.054	759.57	16.972	66.294
#1	.00165	.00355	.00450	.00114	.00336	.00002	.00151	-.00077	-.00018	-.00003
#2	.00123	.00332	.00014	.00088	.00330	.00004	.00047	.00053	-.00014	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00228**	**.00473**	**.08750**	**.00139**	**.00312**	**.00009**	**-.00022**	**.20094**	**.00013**
Stddev	.00017	.00048	.00119	.01706	.00085	.00076	.00002	.00001	.00360	.00001
%RSD	207.87	20.919	25.086	19.493	61.091	24.309	22.105	3.3098	1.7898	4.7909
#1	.00020	-.00262	.00389	.09956	.00079	.00366	.00008	-.00022	.19840	.00013
#2	-.00004	-.00195	.00557	.07544	.00198	.00259	.00010	-.00023	.20349	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**.00094**	F **.03187**	**-.00238**	**-.00251**	F **-.01481**	**-.03170**	**-.00017**	**.00032**	**.00075**
Stddev	.00260	.00033	.00165	.00148	.00145	.00086	.00183	.00139	.00004	.00022
%RSD	86.713	34.817	5.1691	62.339	57.784	5.7781	5.7781	808.13	13.966	29.868
#1	.00483	.00117	.03303	-.00342	-.00354	-.01421	-.03040	-.00115	.00035	.00091
#2	.00116	.00071	.03070	-.00133	-.00149	-.01542	-.03299	.00081	.00029	.00059
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00114**	**.00549**	**.00008**	**.00207**	**.00022**
Stddev	.00003	.00038	.00551	.00024	.00010	.00045
%RSD	7.3870	33.312	100.30	304.77	4.9359	207.67
#1	.00042	.00140	.00938	-.00009	.00215	.00054
#2	.00038	.00087	.00160	.00024	.00200	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4146.5**	**65863.**	**5998.4**
Stddev	25.9	1201.	7.4
%RSD	.62350	1.8242	.12268
#1	4164.7	66712.	6003.6
#2	4128.2	65013.	5993.2

Sample Name: lcs 280-114413/2-a Acquired: 4/9/2012 19:24:43 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05657**	**1.8865**	**.94722**	**.97160**	**2.2220**	**.05221**	**2.0851**	**51.665**	**.10190**	**.49181**
Stddev	.00016	.0016	.00456	.00658	.0190	.00058	.0099	.372	.00066	.00225
%RSD	.27479	.08545	.48115	.67683	.85641	1.1070	.47505	.71961	.64390	.45814
#1	.05646	1.8853	.95045	.97625	2.2085	.05180	2.0921	51.402	.10236	.49341
#2	.05668	1.8876	.94400	.96695	2.2355	.05262	2.0781	51.928	.10143	.49022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20092**	**.27023**	**1.1085**	**55.230**	**1.0696**	**50.617**	**.53386**	**1.0093**	**55.457**	**.49971**
Stddev	.00110	.00033	.0011	.325	.0089	.034	.00134	.0042	.191	.00242
%RSD	.54774	.12120	.09916	.58823	.83321	.06697	.25055	.41951	.34387	.48380
#1	.20170	.27000	1.1077	55.000	1.0633	50.593	.53291	1.0123	55.322	.50142
#2	.20015	.27046	1.1093	55.459	1.0759	50.641	.53480	1.0063	55.592	.49800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7528**	**.46412**	**.03645**	**.47654**	**2.0873**	**10.421**	F **22.301**	**2.0303**	F **1.1022**	**.97724**
Stddev	.0223	.00220	.00119	.00371	.0147	.118	.253	.0119	.0077	.00294
%RSD	.22868	.47404	3.2663	.77914	.70575	1.1339	1.1339	.58532	.70082	.30055
#1	9.7686	.46567	.03730	.47916	2.0977	10.337	22.122	2.0387	1.0967	.97516
#2	9.7371	.46256	.03561	.47391	2.0769	10.504	22.480	2.0219	1.1077	.97932
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							24.610		1.1000	
Low Limit							20.100		.91000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0307**	**2.0323**	**2.2197**	**.52965**	**.49042**	**.45448**
Stddev	.0006	.0138	.0124	.00093	.00130	.00199
%RSD	.05834	.68068	.56030	.17629	.26577	.43778
#1	1.0303	2.0421	2.2109	.52899	.49135	.45308
#2	1.0312	2.0225	2.2285	.53031	.48950	.45589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3955.0**	**60406.**	**5943.1**
Stddev	3.8	6.	28.7
%RSD	.09500	.00944	.48255
#1	3952.4	60402.	5963.3
#2	3957.7	60410.	5922.8

Sample Name: 280-27308-c-1-a Acquired: 4/9/2012 19:26:52 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00118	.00492	.00212	.11178	.31994	.00009	-.00097	85.338	.00005	-.00032
Stddev	.00034	.00001	.00438	.00120	.00326	.00004	.00088	.938	.00001	.00006
%RSD	28.421	.27729	206.50	1.0710	1.0197	47.230	90.379	1.0997	23.465	18.729
#1	.00094	.00493	.00522	.11262	.32225	.00006	-.00035	86.001	.00006	-.00036
#2	.00142	.00491	-.00098	.11093	.31763	.00012	-.00160	84.674	.00004	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	-.00071	.19973	2.1741	.03015	25.433	.29539	.00175	110.46	-.00001
Stddev	.00015	.00027	.00140	.0278	.00145	.083	.00079	.00091	1.50	.00017
%RSD	48.960	38.064	.70258	1.2785	4.7952	.32683	.26636	51.963	1.3570	1206.1
#1	.00020	-.00090	.20072	2.1937	.03117	25.374	.29483	.00111	111.52	.00011
#2	.00041	-.00052	.19874	2.1544	.02913	25.492	.29594	.00240	109.40	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23922	.00073	4.1259	-.00069	-.00225	11.108	23.771	.00128	.65405	-.00037
Stddev	.00244	.00011	.0264	.00052	.00474	.064	.137	.00152	.00666	.00050
%RSD	1.0184	15.002	.64005	74.884	210.18	.57499	.57499	118.96	1.0182	134.52
#1	.24094	.00065	4.1446	-.00106	-.00561	11.153	23.868	.00020	.65876	-.00002
#2	.23750	.00080	4.1073	-.00033	.00110	11.063	23.675	.00235	.64934	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00093	.00177	-.00578	.00049	.00264	-.00032
Stddev	.00021	.00051	.01620	.00033	.00091	.00024
%RSD	22.284	28.876	280.38	66.882	34.320	75.102
#1	.00107	.00213	-.01723	.00026	.00200	-.00049
#2	.00078	.00141	.00568	.00072	.00328	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3916.3	60580.	5972.5
Stddev	13.8	195.	42.2
%RSD	.35116	.32258	.70674
#1	3906.5	60442.	5942.7
#2	3926.0	60719.	6002.4

Sample Name: 280-27308-c-1-aSD@5 Acquired: 4/9/2012 19:29:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**.00171**	**.00088**	**.02353**	**.06361**	**.00004**	**.00318**	**16.964**	**-.00002**	**.00004**
Stddev	.00008	.00023	.00053	.00052	.00002	.00003	.00271	.090	.00005	.00010
%RSD	6.7252	13.522	60.054	2.1983	.03692	69.872	85.319	.52980	235.35	278.34
#1	.00116	.00187	.00126	.02316	.06360	.00005	.00126	17.027	-.00006	.00011
#2	.00128	.00154	.00051	.02389	.06363	.00002	.00509	16.900	.00001	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00112**	**.04624**	**.53577**	**.00674**	**5.2619**	**.06011**	**-.00009**	**22.350**	**.00009**
Stddev	.00021	.00017	.00075	.00628	.00136	.0627	.00073	.00018	.073	.00007
%RSD	43.087	15.127	1.6143	1.1717	20.166	1.1912	1.2107	187.15	.32490	78.613
#1	.00064	-.00100	.04677	.54021	.00771	5.3062	.06062	-.00022	22.299	.00004
#2	.00034	-.00124	.04572	.53133	.00578	5.2176	.05960	.00003	22.402	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04859**	**.00007**	**.83837**	**-.00167**	**-.00147**	**2.1675**	**4.6384**	**-.00020**	**.13070**	**.00113**
Stddev	.00019	.00119	.00742	.00059	.00316	.0260	.0557	.00045	.00090	.00043
%RSD	.38358	1654.6	.88509	35.288	215.64	1.2003	1.2003	219.68	.68911	38.261
#1	.04872	.00091	.83312	-.00208	.00077	2.1859	4.6778	.00011	.13133	.00083
#2	.04846	-.00077	.84362	-.00125	-.00370	2.1491	4.5990	-.00052	.13006	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00068**	**-.01683**	**-.00012**	**.00238**	**-.00011**
Stddev	.00037	.00029	.01290	.00031	.00042	.00125
%RSD	179.22	42.450	76.684	258.03	17.851	1166.2
#1	-.00005	.00089	-.02595	.00010	.00208	.00078
#2	.00046	.00048	-.00770	-.00034	.00268	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4098.3**	**63886.**	**6037.5**
Stddev	15.9	430.	28.5
%RSD	.38688	.67239	.47142
#1	4109.5	63582.	6057.6
#2	4087.1	64190.	6017.3

Sample Name: 280-27308-c-1-b ms Acquired: 4/9/2012 19:31:35 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05679**	**1.8617**	**.96774**	**1.0909**	**2.5689**	**.05260**	F **2.0944**	**135.48**	**.10429**	**.48799**
Stddev	.00049	.0073	.00409	.0027	.0010	.00005	.0010	.01	.00006	.00132
%RSD	.86314	.39342	.42306	.24433	.04008	.09278	.04795	.00484	.06201	.26981
#1	.05713	1.8566	.97063	1.0890	2.5682	.05264	2.0951	135.48	.10424	.48706
#2	.05644	1.8669	.96484	1.0928	2.5696	.05257	2.0937	135.49	.10433	.48892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20240**	**.27004**	**1.3007**	**58.603**	**1.1204**	**75.527**	**.82840**	**1.0210**	**165.90**	**.49477**
Stddev	.00024	.00373	.0015	.102	.0019	.183	.00165	.0019	.12	.00205
%RSD	.11647	1.3798	.11820	.17346	.16964	.24261	.19916	.18132	.07126	.41505
#1	.20223	.27267	1.2996	58.532	1.1190	75.657	.82957	1.0197	165.82	.49332
#2	.20256	.26740	1.3018	58.675	1.1217	75.398	.82724	1.0223	165.98	.49623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.283**	**.45451**	**4.1483**	**.48070**	**2.1139**	**21.649**	**46.330**	W **2.0227**	**1.7748**	**.97756**
Stddev	.012	.00049	.0073	.00259	.0016	.029	.063	.0053	.0027	.00524
%RSD	.11695	.10723	.17505	.53881	.07435	.13568	.13568	.26176	.15512	.53617
#1	10.275	.45486	4.1432	.48253	2.1128	21.670	46.374	2.0189	1.7729	.98127
#2	10.292	.45417	4.1534	.47887	2.1150	21.629	46.285	2.0264	1.7768	.97385
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0321**	**1.9631**	**2.2134**	**.53111**	**.48773**	**.45645**
Stddev	.0064	.0090	.0004	.00272	.00043	.00306
%RSD	.62234	.45729	.01824	.51122	.08878	.66939
#1	1.0366	1.9567	2.2131	.53303	.48742	.45861
#2	1.0275	1.9694	2.2137	.52919	.48803	.45429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3823.0**	**58934.**	**5893.0**
Stddev	8.1	294.	6.4
%RSD	.21143	.49865	.10886
#1	3828.7	58726.	5888.4
#2	3817.2	59142.	5897.5

Sample Name: 280-27308-c-1-c msd Acquired: 4/9/2012 19:33:42 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05589**	**1.8544**	**.96752**	**1.0903**	**2.5529**	**.05277**	F **2.0946**	**135.77**	**.10390**	**.48704**
Stddev	.00179	.0004	.00372	.0097	.0033	.00031	.0189	.81	.00082	.00223
%RSD	3.2010	.02130	.38443	.89040	.12986	.59242	.90302	.59733	.78919	.45752
#1	.05715	1.8547	.96489	1.0834	2.5553	.05299	2.0812	136.34	.10332	.48546
#2	.05462	1.8541	.97015	1.0971	2.5506	.05255	2.1080	135.20	.10448	.48861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20209**	**.26410**	**1.3033**	**58.390**	**1.1169**	**73.675**	**.80746**	**1.0189**	**165.20**	**.49394**
Stddev	.00046	.00986	.0092	.200	.0038	2.857	.02974	.0023	.40	.00101
%RSD	.22874	3.7351	.70765	.34225	.34232	3.8778	3.6837	.22895	.24485	.20534
#1	.20176	.27107	1.3099	58.531	1.1196	75.695	.82849	1.0172	165.48	.49322
#2	.20241	.25712	1.2968	58.249	1.1142	71.655	.78642	1.0205	164.91	.49465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.277**	**.45698**	**4.1604**	**.47937**	**2.1102**	**21.665**	**46.362**	W **2.0161**	**1.7645**	**.95718**
Stddev	.067	.00047	.0330	.00298	.0044	.068	.145	.0053	.0052	.03401
%RSD	.64784	.10390	.79304	.62182	.20741	.31351	.31351	.26095	.29693	3.5527
#1	10.230	.45664	4.1371	.47726	2.1071	21.713	46.465	2.0124	1.7682	.98123
#2	10.324	.45732	4.1837	.48148	2.1133	21.617	46.260	2.0198	1.7608	.93313
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0113**	**1.9558**	**2.1773**	**.51965**	**.47687**	**.45916**
Stddev	.0384	.0050	.0594	.01956	.01965	.00356
%RSD	3.7965	.25731	2.7291	3.7637	4.1207	.77566
#1	1.0385	1.9522	2.2193	.53348	.49076	.46168
#2	.98420	1.9594	2.1352	.50582	.46297	.45664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3805.7**	**59615.**	**5902.0**
Stddev	24.0	1647.	44.3
%RSD	.63069	2.7622	.75106
#1	3822.7	58450.	5870.6
#2	3788.8	60779.	5933.3

Sample Name: 280-27308-c-2-a Acquired: 4/9/2012 19:35:49 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00132	.00822	.00390	.10571	.31710	.00008	.00033	62.856	.00021	-.00042
Stddev	.00027	.00020	.00758	.00089	.00335	.00004	.00014	.897	.00010	.00018
%RSD	20.143	2.3729	194.44	.83912	1.0567	47.759	42.668	1.4277	47.359	42.267
#1	.00151	.00836	.00926	.10508	.31473	.00005	.00042	62.222	.00014	-.00030
#2	.00113	.00808	-.00146	.10634	.31947	.00011	.00023	63.491	.00028	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.00023	.07164	2.2104	.02790	17.812	.05972	.00277	91.408	.00012
Stddev	.00013	.00035	.00043	.0170	.00075	.412	.00167	.00072	1.159	.00004
%RSD	37.357	152.87	.59487	.77009	2.6893	2.3135	2.7885	26.029	1.2678	34.137
#1	.00043	-.00002	.07194	2.2225	.02737	17.521	.05854	.00226	90.588	.00009
#2	.00025	.00047	.07134	2.1984	.02843	18.103	.06090	.00328	92.227	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09721	.00059	4.8696	-.00034	.00003	10.997	23.534	.00086	.70207	.00106
Stddev	.00094	.00021	.0371	.00023	.00001	.141	.303	.00023	.00698	.00058
%RSD	.97192	34.573	.76171	67.942	31.764	1.2854	1.2854	26.864	.99487	54.882
#1	.09787	.00045	4.8434	-.00050	.00002	10.897	23.320	.00102	.69713	.00147
#2	.09654	.00074	4.8958	-.00018	.00004	11.097	23.748	.00069	.70701	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00097	.00135	-.01961	.00019	.00605	.00027
Stddev	.00005	.00105	.01424	.00011	.00112	.00306
%RSD	4.7090	78.112	72.630	56.984	18.582	1113.9
#1	.00093	.00209	-.02967	.00027	.00525	.00244
#2	.00100	.00060	-.00954	.00012	.00684	-.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3933.3	59648.	5960.4
Stddev	1.4	1153.	91.9
%RSD	.03655	1.9321	1.5422
#1	3934.3	60463.	6025.4
#2	3932.3	58833.	5895.4

Sample Name: 280-27308-c-3-a Acquired: 4/9/2012 19:38:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.00320**	**.00104**	**.10245**	**.26163**	**.00002**	**-.00196**	**78.309**	**.00014**	**-.00054**
Stddev	.00027	.00026	.00161	.00020	.00138	.00001	.00022	.336	.00009	.00001
%RSD	17.160	8.0001	154.13	.19736	.52932	25.915	10.997	.42858	62.373	1.1057
#1	.00137	.00302	.00218	.10231	.26261	.00002	-.00211	78.546	.00008	-.00054
#2	.00175	.00338	-.00009	.10260	.26065	.00002	-.00181	78.071	.00020	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00052**	**.01087**	**1.3814**	**.02617**	**21.940**	**.05429**	**.00088**	**103.81**	**-.00001**
Stddev	.00007	.00028	.00422	.0029	.00028	.027	.00002	.00017	1.01	.00014
%RSD	29.373	53.161	38.822	.21071	1.0826	.12240	.04475	19.134	.97256	1047.8
#1	.00029	-.00071	.00789	1.3834	.02597	21.921	.05428	.00076	104.52	.00009
#2	.00019	-.00032	.01386	1.3793	.02637	21.959	.05431	.00100	103.09	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05064**	**.00055**	**4.9530**	**-.00190**	**-.00016**	**11.556**	**24.729**	**.00018**	**.57678**	**-.00019**
Stddev	.00055	.00057	.0088	.00038	.00095	.016	.033	.00057	.00344	.00163
%RSD	1.0864	103.10	.17754	19.983	583.35	.13482	.13482	324.51	.59559	877.43
#1	.05103	.00095	4.9468	-.00217	.00051	11.567	24.753	.00058	.57921	-.00134
#2	.05025	.00015	4.9592	-.00163	-.00084	11.545	24.706	-.00023	.57435	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00002**	**.01077**	**.00165**	**.00196**	**.00010**
Stddev	.00047	.00281	.03152	.00011	.00045	.00003
%RSD	84.616	16812.	292.62	6.3578	23.011	35.936
#1	.00022	.00200	.03306	.00158	.00164	.00012
#2	.00088	-.00197	-.01152	.00173	.00227	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3904.9**	**61178.**	**5919.1**
Stddev	12.0	85.	16.8
%RSD	.30814	.13936	.28435
#1	3913.4	61117.	5907.2
#2	3896.4	61238.	5931.0

Sample Name: CCVH-1326164 Acquired: 4/9/2012 19:40:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00382**	**53.569**	**-.00001**	**.00335**	**.00015**	**.00013**	**.99643**	**.00295**	**-.00014**	**.00013**	**.00104**	**.00330**
Stddev	.00034	.458	.00398	.00007	.00004	.00001	.00542	.00152	.00002	.00007	.00011	.00007
%RSD	8.9098	.85451	35253.	2.0068	26.959	9.1323	.54367	51.558	12.635	54.252	10.708	2.2435
#1	.00406	53.245	.00280	.00330	.00017	.00012	1.0003	.00187	-.00015	.00018	.00096	.00336
#2	.00358	53.893	-.00283	.00340	.00012	.00014	.99260	.00403	-.00013	.00008	.00112	.00325
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.812**	**.14932**	**-.00198**	**.00055**	**-.00020**	**-.00038**	**265.28**	**.00213**	**.00291**	**-.00339**	**4.9581**	**-.00325**
Stddev	.469	.03570	.00063	.00255	.00002	.00021	1.78	.00037	.00070	.00109	.0630	.00105
%RSD	.87187	23.906	32.122	462.41	10.798	53.497	.66925	17.178	24.110	32.255	1.2712	32.295
#1	53.480	.12408	-.00153	.00236	-.00018	-.00053	264.02	.00239	.00341	-.00417	5.0026	-.00251
#2	54.144	.17456	-.00243	-.00125	-.00021	-.00024	266.53	.00187	.00242	-.00262	4.9135	-.00399
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00466**	**.01890**	**.04045**	**.00181**	**.00040**	W **4.5964**	**.00508**	**.00072**	**10.365**	**.00236**	**.00051**	**-.18485**
Stddev	.00076	.00695	.01487	.00043	.00001	.0430	.00007	.00071	.095	.00023	.00037	.00184
%RSD	16.378	36.771	36.771	23.611	1.5092	.93611	1.3541	98.833	.91468	9.9281	72.988	.99620
#1	-.00412	.01399	.02993	.00151	.00041	4.6268	.00513	.00122	10.432	.00253	.00077	-.18615
#2	-.00519	.02382	.05096	.00211	.00040	4.5660	.00503	.00022	10.298	.00220	.00024	-.18355
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.0**	**62025.**	**5996.7**
Stddev	7.3	212.	49.0
%RSD	.18300	.34229	.81715
#1	3961.9	61875.	6031.4
#2	3972.1	62175.	5962.1

Sample Name: CCV-1343805 Acquired: 4/9/2012 19:42:54 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52602**	**.50767**	**.93726**	**.49063**	F **.55262**	**.51646**	**-.00041**	**5.2572**	**.50328**	**.49946**	**.50213**	**.52837**	F **2.7682**
Stddev	.00470	.00081	.00433	.00091	.00094	.00036	.00084	.0030	.00030	.00095	.00020	.00272	.0050
%RSD	.89318	.15936	.46237	.18607	.17023	.07054	205.52	.05724	.05953	.19021	.04016	.51478	.18070
#1	.52934	.50824	.93420	.48998	.55196	.51672	-.00100	5.2593	.50349	.50013	.50227	.53029	2.7717
#2	.52269	.50709	.94033	.49127	.55329	.51620	.00018	5.2551	.50307	.49878	.50199	.52645	2.7647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value					.50000								2.5000
Range					10.490%								10.490%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.091**	**1.0639**	**20.174**	**.51820**	**.49792**	**5.3713**	**.50151**	**.96585**	**.94430**	**.03173**	**.98724**	**1.0377**	**5.1568**
Stddev	.052	.0031	.212	.00528	.00193	.0173	.00066	.00037	.00072	.00034	.00085	.0058	.0100
%RSD	.09533	.29106	1.0487	1.0181	.38793	.32197	.13140	.03787	.07602	1.0858	.08560	.56030	.19387
#1	54.054	1.0617	20.323	.52193	.49928	5.3835	.50105	.96559	.94379	.03197	.98664	1.0418	5.1639
#2	54.127	1.0661	20.024	.51447	.49655	5.3591	.50198	.96611	.94481	.03149	.98784	1.0336	5.1497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.036**	**1.0208**	**.53981**	**.01437**	**.50229**	**1.0465**	**-.00297**	**.51551**	**.48743**	**.49079**
Stddev	.021	.0008	.00012	.00072	.00508	.0004	.00359	.00370	.00479	.00044
%RSD	.19387	.08105	.02227	4.9950	1.0108	.03770	120.94	.71810	.98330	.08945
#1	11.051	1.0202	.53972	.01488	.50588	1.0468	-.00551	.51812	.49082	.49110
#2	11.020	1.0214	.53989	.01387	.49870	1.0462	-.00043	.51289	.48404	.49048
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4057.3**	**62759.**	**6078.6**
Stddev	4.9	505.	3.8
%RSD	.12183	.80398	.06176
#1	4053.8	62403.	6075.9
#2	4060.7	63116.	6081.2

Sample Name: CCB Acquired: 4/9/2012 19:45:06 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00125**	**.00202**	**.00012**	**.00134**	**.00005**	**.00009**	**-.00124**	**-.00229**	**.00002**	**-.00013**	**.00002**
Stddev	.00033	.00028	.00056	.00060	.00016	.00002	.00186	.00017	.00008	.00017	.00003
%RSD	26.504	13.867	486.06	44.737	318.25	24.625	150.44	7.4810	329.69	126.81	121.84
#1	.00149	.00222	-.00028	.00092	.00017	.00011	.00008	-.00241	-.00003	-.00026	.00000
#2	.00102	.00183	.00051	.00177	-.00006	.00008	-.00255	-.00217	.00008	-.00001	.00004
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00242**	**.00367**	**.07206**	**.00060**	**-.00037**	**.00000**	**.00088**	W **.17789**	**.00018**	**.00349**	**.00151**
Stddev	.00040	.00009	.01611	.00197	.00181	.0000	.00067	.00196	.00007	.00018	.00060
%RSD	16.656	2.5489	22.362	329.54	488.22	4686.2	76.504	1.1020	37.411	5.2255	39.999
#1	-.00270	.00360	.06067	.00199	.00091	-.00001	.00040	.17651	.00022	.00361	.00108
#2	-.00213	.00373	.08346	-.00080	-.00165	.00001	.00135	.17928	.00013	.00336	.00194
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02183**	**.00058**	**.00042**	**-.00662**	**-.01416**	**.00058**	**-.00004**	**.00095**	**.00029**	**.00083**	**.01337**
Stddev	.00083	.00142	.00333	.00705	.01509	.00014	.00004	.00055	.00010	.00182	.00171
%RSD	3.7917	247.12	784.88	106.57	106.57	23.519	111.66	58.180	34.234	220.02	12.805
#1	.02242	.00158	.00278	-.01160	-.02483	.00048	-.00007	.00056	.00036	-.00046	.01216
#2	.02125	-.00043	-.00193	-.00163	-.00349	.00068	-.00001	.00134	.00022	.00211	.01458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00001**	**.00192**	**-.00018**
Stddev	.00007	.00007	.00014
%RSD	1303.3	3.6480	77.000
#1	.00006	.00187	-.00008
#2	-.00005	.00197	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.8**	**64889.**	**5991.0**
Stddev	19.2	488.	35.6
%RSD	.46994	.75212	.59496
#1	4065.2	65235.	6016.2
#2	4092.3	64544.	5965.8

Sample Name: CCVL1351092 Acquired: 4/9/2012 19:47:31 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01184**	**.10682**	**.01408**	**.09368**	**.01170**	**.00111**	**.10781**	**.22765**	**.00522**	**.01021**	**.01038**	**.01415**	**.11571**
Stddev	.00015	.00115	.00296	.00009	.00014	.00003	.00072	.00069	.00004	.00029	.00011	.00001	.00051
%RSD	1.2911	1.0723	21.018	.10110	1.2311	2.9952	.66336	.30204	.77152	2.8657	1.0898	.07060	.43687
#1	.01194	.10601	.01199	.09375	.01160	.00109	.10832	.22716	.00525	.01000	.01046	.01414	.11535
#2	.01173	.10763	.01617	.09361	.01180	.00113	.10731	.22813	.00520	.01041	.01030	.01416	.11607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4941**	**.01021**	**.20601**	**.01080**	**.02010**	**1.2841**	**.04178**	**2.7260**	**.00927**	**.02415**	**.00717**	F **.00911**	**.51494**
Stddev	.0549	.00008	.00310	.00014	.00002	.0019	.00006	.0021	.00014	.00377	.00020	.00430	.00130
%RSD	1.5723	.78252	1.5038	1.2590	.07536	.14380	.13454	.07646	1.4783	15.616	2.7470	47.186	.25225
#1	3.4553	.01015	.20382	.01070	.02009	1.2828	.04182	2.7275	.00917	.02682	.00703	.01215	.51586
#2	3.5330	.01026	.20820	.01089	.02011	1.2854	.04174	2.7245	.00936	.02149	.00731	.00607	.51403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1020**	**.10360**	**.01135**	**.01566**	**.01010**	**.01757**	**.05844**	**.01037**	**.02263**	**.01396**
Stddev	.0028	.00004	.00005	.00102	.00029	.00043	.03489	.00026	.00114	.00081
%RSD	.25225	.03480	.47336	6.4851	2.8930	2.4456	59.707	2.5073	5.0549	5.7921
#1	1.1039	.10357	.01132	.01638	.00990	.01787	.03376	.01019	.02182	.01339
#2	1.1000	.10363	.01139	.01494	.01031	.01726	.08311	.01055	.02344	.01453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.7**	**65112.**	**6008.1**
Stddev	5.6	461.	33.3
%RSD	.13677	.70772	.55480
#1	4093.7	65438.	6031.6
#2	4101.6	64786.	5984.5

Sample Name: 280-27308-c-4-a Acquired: 4/9/2012 19:49:54 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00135**	**.00372**	**-.00095**	**.07476**	**.54339**	**.00009**	**-.00096**	**161.94**	**.00021**	**.00104**
Stddev	.00001	.00082	.00106	.00097	.00100	.00003	.00263	.55	.00003	.00018
%RSD	.90709	22.041	111.37	1.2913	.18315	32.272	272.34	.33796	12.393	17.228
#1	.00134	.00430	-.00020	.07408	.54410	.00011	.00089	162.33	.00019	.00092
#2	.00136	.00314	-.00170	.07544	.54269	.00007	-.00282	161.55	.00022	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00071**	**.96158**	**1.4982**	**.03995**	**40.439**	**.32823**	**.00033**	**74.955**	**.00150**
Stddev	.00002	.00025	.00695	.0003	.00195	.398	.00340	.00016	.106	.00031
%RSD	4.9330	35.577	.72325	.01858	4.8844	.98534	1.0370	47.557	.14104	20.978
#1	.00030	-.00089	.96650	1.4980	.04133	40.720	.33064	.00045	75.030	.00172
#2	.00032	-.00053	.95666	1.4984	.03857	40.157	.32582	.00022	74.880	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14882**	**.00265**	**9.2942**	**-.00226**	**-.00062**	**14.929**	**31.948**	**.00057**	**1.0561**	**-.00013**
Stddev	.00061	.00023	.0612	.00420	.00158	.034	.073	.00084	.0015	.00197
%RSD	.40970	8.6154	.65892	185.70	255.51	.22880	.22880	147.76	.14021	1513.1
#1	.14838	.00249	9.2509	.00071	.00050	14.953	32.000	-.00003	1.0571	-.00152
#2	.14925	.00281	9.3375	-.00523	-.00174	14.905	31.897	.00116	1.0550	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00081**	**-.01243**	**.00112**	**.00203**	**-.00029**
Stddev	.00001	.00176	.01376	.00002	.00014	.00059
%RSD	.76838	216.27	110.69	1.9113	6.8758	206.33
#1	.00074	.00205	-.00270	.00111	.00193	-.00071
#2	.00075	-.00043	-.02216	.00114	.00213	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3879.8**	**60921.**	**5958.3**
Stddev	14.8	358.	20.4
%RSD	.38046	.58711	.34275
#1	3890.2	60668.	5943.8
#2	3869.4	61174.	5972.7

Sample Name: 280-27308-c-5-a Acquired: 4/9/2012 19:52:16 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.00839**	**-.00116**	**.09548**	**.69225**	**.00009**	**-.00169**	**209.07**	**.00034**	**.00002**
Stddev	.00011	.00002	.00206	.00075	.01006	.00008	.00211	1.58	.00012	.00017
%RSD	8.0502	.23515	178.24	.79002	1.4530	88.116	124.63	.75412	35.246	992.54
#1	.00125	.00840	.00030	.09495	.69936	.00003	-.00020	207.95	.00025	-.00010
#2	.00140	.00837	-.00262	.09602	.68514	.00014	-.00318	210.18	.00042	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00032**	**.10024**	**2.0863**	**.05711**	**50.616**	**.24490**	**.00034**	**139.97**	**.00010**
Stddev	.00006	.00032	.00031	.0295	.00258	.287	.00160	.00010	2.13	.00017
%RSD	9.8129	100.78	.31342	1.4119	4.5086	.56641	.65179	29.263	1.5186	164.70
#1	.00061	.00009	.10046	2.1071	.05894	50.818	.24603	.00041	141.47	.00022
#2	.00070	.00054	.10001	2.0655	.05529	50.413	.24377	.00027	138.47	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08594**	**.00261**	**3.6759**	**-.00117**	**-.00009**	**14.640**	**31.329**	**.00036**	**1.3278**	**-.00031**
Stddev	.00286	.00045	.0024	.00065	.00505	.272	.582	.00012	.0193	.00083
%RSD	3.3330	17.214	.06629	55.110	5626.5	1.8563	1.8563	31.952	1.4549	270.37
#1	.08392	.00293	3.6776	-.00072	.00348	14.832	31.740	.00028	1.3415	-.00089
#2	.08797	.00229	3.6742	-.00163	-.00366	14.448	30.918	.00045	1.3142	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00096**	**-.00073**	**.00096**	**.01097**	**.00188**
Stddev	.00031	.00134	.00720	.00047	.00097	.00085
%RSD	36.601	139.72	987.31	49.224	8.8044	45.312
#1	.00105	.00001	-.00582	.00129	.01165	.00128
#2	.00062	.00191	.00436	.00062	.01028	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3801.6**	**59865.**	**5890.1**
Stddev	2.6	374.	40.5
%RSD	.06737	.62526	.68727
#1	3799.8	59600.	5861.5
#2	3803.4	60130.	5918.7

Sample Name: 280-27308-c-6-a Acquired: 4/9/2012 19:54:41 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00519**	**-.00248**	**.06910**	**.76828**	**.00017**	**-.00350**	W **589.98**	**.00064**	**.00408**
Stddev	.00001	.00019	.00244	.00059	.00869	.00010	.00042	2.50	.00018	.00012
%RSD	.38318	3.6145	98.354	.84724	1.1313	61.895	12.093	.42373	28.725	2.8254
#1	.00136	.00532	-.00421	.06868	.76213	.00024	-.00320	591.74	.00077	.00400
#2	.00137	.00506	-.00076	.06951	.77442	.00009	-.00380	588.21	.00051	.00416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00258**	**.33406**	**1.8481**	**.04105**	**81.614**	**.68405**	**.00005**	**402.32**	**.00152**
Stddev	.00006	.00005	.00214	.0951	.00037	.963	.00884	.00009	4.48	.00011
%RSD	6.8002	2.1093	.64046	5.1486	.90824	1.1800	1.2927	173.24	1.1135	7.2079
#1	.00077	.00262	.33254	1.7808	.04132	80.933	.67780	.00012	399.15	.00160
#2	.00085	.00255	.33557	1.9154	.04079	82.295	.69030	-.00001	405.48	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28166**	**.00409**	**15.053**	**-.00546**	**.00256**	**14.136**	**30.251**	**-.00032**	**2.3310**	**-.00172**
Stddev	.00290	.00014	.065	.00104	.00300	.199	.426	.00110	.0265	.00212
%RSD	1.0300	3.5116	.43146	18.980	117.27	1.4074	1.4074	340.62	1.1354	123.07
#1	.28371	.00419	15.007	-.00472	.00469	13.995	29.950	.00046	2.3123	-.00022
#2	.27961	.00399	15.099	-.00619	.00044	14.277	30.552	-.00110	2.3497	-.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**-.00031**	**.01216**	**.00125**	**.00697**	**-.00006**
Stddev	.00005	.00244	.00393	.00010	.00039	.00130
%RSD	4.6981	791.47	32.289	7.6997	5.6097	2357.4
#1	.00106	.00142	.01493	.00118	.00669	-.00097
#2	.00113	-.00204	.00938	.00132	.00724	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3547.1**	**56344.**	**5775.2**
Stddev	14.7	335.	11.9
%RSD	.41347	.59418	.20658
#1	3557.5	56581.	5783.6
#2	3536.8	56107.	5766.7

Sample Name: 280-27308-c-7-a Acquired: 4/9/2012 19:57:14 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.01277**	**.00111**	**.06511**	**.31455**	**.00008**	**-.00157**	**150.27**	**.00018**	**.00041**
Stddev	.00057	.00038	.00125	.00120	.00050	.00009	.00258	.80	.00003	.00011
%RSD	45.672	3.0017	112.02	1.8449	.15764	120.08	164.26	.53142	19.113	27.192
#1	.00085	.01250	.00023	.06426	.31490	.00014	.00025	150.83	.00020	.00033
#2	.00166	.01304	.00200	.06596	.31420	.00001	-.00340	149.71	.00015	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00011**	**.72478**	**3.1753**	**.02347**	**23.546**	**.20015**	**.00039**	**179.87**	**.00067**
Stddev	.00003	.00014	.00504	.0294	.00158	.036	.00066	.00024	.68	.00008
%RSD	6.9414	131.62	.69512	.92676	6.7328	.15388	.33204	62.942	.37885	11.482
#1	.00041	.00021	.72834	3.1545	.02459	23.572	.20062	.00021	180.36	.00072
#2	.00045	.00001	.72121	3.1961	.02236	23.521	.19968	.00056	179.39	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27628**	**.00125**	**21.815**	**-.00227**	**-.00205**	**14.868**	**31.817**	**-.00069**	**.63783**	**.00048**
Stddev	.00289	.00028	.089	.00114	.00337	.076	.164	.00043	.00214	.00098
%RSD	1.0459	22.806	.40699	50.023	164.93	.51408	.51408	62.331	.33591	204.34
#1	.27424	.00105	21.752	-.00308	.00034	14.922	31.933	-.00100	.63934	.00117
#2	.27833	.00145	21.877	-.00147	-.00443	14.814	31.701	-.00039	.63631	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00110**	**.00589**	**.00037**	**.00244**	**.00026**
Stddev	.00002	.00042	.00647	.00010	.00003	.00004
%RSD	3.3743	38.216	109.86	25.854	1.2835	15.054
#1	.00054	.00139	.00131	.00044	.00242	.00028
#2	.00057	.00080	.01046	.00030	.00246	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3812.8**	**59951.**	**6064.3**
Stddev	23.4	102.	6.9
%RSD	.61461	.17025	.11343
#1	3829.4	59879.	6059.4
#2	3796.3	60023.	6069.1

Sample Name: 280-27308-c-8-a Acquired: 4/9/2012 19:59:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.01519**	**-.00016**	**.14808**	**.68862**	**.00010**	**-.00282**	**216.42**	**.00047**	**-.00042**
Stddev	.00043	.00050	.00059	.00216	.00068	.00002	.00019	3.11	.00003	.00004
%RSD	42.343	3.2650	365.79	1.4611	.09870	22.795	6.8711	1.4368	7.0245	9.9405
#1	.00071	.01484	-.00058	.14655	.68910	.00008	-.00295	214.22	.00050	-.00039
#2	.00131	.01554	.00026	.14961	.68814	.00011	-.00268	218.62	.00045	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00101**	**.22465**	**2.7503**	**.07382**	**79.485**	**.07780**	**.00058**	**189.26**	**-.00032**
Stddev	.00008	.00006	.00076	.0661	.00149	1.002	.00114	.00001	.12	.00031
%RSD	11.855	5.7326	.33881	2.4046	2.0194	1.2607	1.4636	2.2075	.06429	96.363
#1	.00074	.00105	.22412	2.7035	.07277	78.776	.07699	.00057	189.35	-.00010
#2	.00063	.00097	.22519	2.7971	.07488	80.193	.07860	.00059	189.18	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12351**	**.00247**	**9.3906**	**-.00066**	**-.00144**	**14.433**	**30.887**	**-.00052**	**2.0180**	**-.00009**
Stddev	.00035	.00095	.0329	.00131	.00290	.094	.201	.00045	.0014	.00191
%RSD	.28097	38.492	.35059	199.38	201.49	.65075	.65075	86.327	.07008	2086.6
#1	.12327	.00314	9.3673	-.00158	-.00349	14.367	30.744	-.00020	2.0190	.00126
#2	.12376	.00179	9.4139	.00027	.00061	14.499	31.029	-.00084	2.0170	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00017**	**-.00147**	**.00093**	**.00393**	**.00117**
Stddev	.00009	.00018	.02575	.00004	.00083	.00032
%RSD	10.409	108.17	1753.5	4.2975	21.172	27.174
#1	.00078	.00030	.01674	.00096	.00452	.00094
#2	.00090	.00004	-.01968	.00090	.00334	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3741.3**	**59083.**	**5930.8**
Stddev	12.2	792.	61.3
%RSD	.32480	1.3412	1.0331
#1	3749.8	59643.	5974.2
#2	3732.7	58522.	5887.5

Sample Name: 280-27308-c-9-a Acquired: 4/9/2012 20:02:03 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00487**	**-.00253**	**.06924**	**.75720**	**.00010**	**-.00341**	W **582.86**	**.00065**	**.00396**
Stddev	.00013	.00015	.00040	.00098	.00578	.00007	.00116	8.71	.00007	.00019
%RSD	11.519	2.9920	15.843	1.4110	.76312	64.547	34.109	1.4950	10.237	4.9195
#1	.00118	.00477	-.00282	.06993	.76128	.00006	-.00259	576.70	.00069	.00382
#2	.00100	.00498	-.00225	.06855	.75311	.00015	-.00423	589.02	.00060	.00409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00387**	**.31432**	**1.8901**	**.04088**	**81.491**	**.66111**	**-.00018**	**393.57**	**.00142**
Stddev	.00002	.00067	.00478	.0272	.00091	.028	.00197	.00014	1.93	.00048
%RSD	3.5921	17.342	1.5198	1.4373	2.2164	.03404	.29730	79.874	.49093	33.693
#1	.00067	.00339	.31770	1.8709	.04152	81.511	.66250	-.00008	394.94	.00108
#2	.00071	.00434	.31094	1.9093	.04024	81.472	.65972	-.00027	392.21	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28027**	**.00412**	**14.950**	**-.00336**	**.00268**	**13.811**	**29.556**	**-.00001**	**2.3048**	**.00021**
Stddev	.00144	.00075	.070	.00070	.00126	.019	.040	.00080	.0154	.00073
%RSD	.51299	18.132	.46656	20.973	46.987	.13529	.13529	5713.7	.66871	349.15
#1	.27925	.00359	14.999	-.00286	.00179	13.824	29.584	-.00058	2.3157	.00073
#2	.28128	.00465	14.901	-.00385	.00358	13.798	29.528	.00055	2.2939	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00101**	**-.00028**	**.00099**	**.00853**	**.00238**
Stddev	.00019	.00281	.00545	.00014	.00016	.00201
%RSD	42.658	279.60	1962.4	13.933	1.8383	84.658
#1	.00059	.00299	.00358	.00089	.00842	.00095
#2	.00032	-.00098	-.00413	.00109	.00864	.00380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3544.3**	**56471.**	**5931.6**
Stddev	20.0	216.	10.0
%RSD	.56543	.38313	.16780
#1	3530.2	56318.	5924.5
#2	3558.5	56624.	5938.6

Sample Name: 280-27308-c-10-a Acquired: 4/9/2012 20:04:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**.00287**	**.00085**	**.00079**	**-.00001**	**.00005**	**.00041**	**.02244**	**-.00006**	**-.00003**
Stddev	.00006	.00010	.00176	.00042	.00014	.00001	.00077	.00022	.00012	.00026
%RSD	4.8825	3.5440	208.11	52.999	1986.3	12.085	188.20	.97697	197.02	1010.5
#1	.00127	.00294	.00209	.00109	.00009	.00005	.00095	.02259	.00002	-.00021
#2	.00118	.00279	-.00040	.00049	-.00010	.00004	-.00014	.02228	-.00015	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00215**	**.01743**	**.16126**	**-.00234**	**.00136**	**.00010**	**-.00020**	**.37140**	**.00019**
Stddev	.00007	.00023	.00142	.03911	.00100	.00052	.00004	.00051	.01671	.00002
%RSD	204.95	10.567	8.1576	24.250	42.785	38.472	39.680	257.34	4.5003	9.3496
#1	-.00002	-.00231	.01844	.18891	-.00163	.00099	.00013	-.00056	.38322	.00020
#2	.00009	-.00199	.01642	.13361	-.00305	.00173	.00007	.00016	.35958	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00871**	**.00154**	**.01964**	**-.00299**	**-.00146**	**-.01015**	**-.02173**	**.00079**	**-.00002**	**.00154**
Stddev	.00057	.00027	.00354	.00039	.00176	.00462	.00988	.00003	.00001	.00084
%RSD	6.5735	17.281	18.035	12.917	120.55	45.497	45.497	3.9288	29.073	54.282
#1	.00912	.00173	.01713	-.00326	-.00022	-.00689	-.01474	.00077	-.00002	.00213
#2	.00831	.00136	.02214	-.00271	-.00271	-.01342	-.02871	.00081	-.00002	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00019**	**-.02764**	**-.00025**	**.00240**	**.00012**
Stddev	.00025	.00017	.00606	.00015	.00019	.00001
%RSD	67.211	89.077	21.908	60.279	7.8360	4.7695
#1	.00055	.00007	-.03193	-.00036	.00227	.00012
#2	.00019	.00031	-.02336	-.00014	.00253	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4095.5**	**65386.**	**6148.3**
Stddev	.5	381.	9.9
%RSD	.01108	.58238	.16146
#1	4095.2	65656.	6155.3
#2	4095.8	65117.	6141.3

Sample Name: 280-27314-c-1-b Acquired: 4/9/2012 20:07:01 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.84200**	**-.00081**	**.01870**	**.00404**	**.00011**	**-.00015**	**.08160**	**.00002**	**-.00010**
Stddev	.00010	.00072	.00017	.00016	.00010	.00011	.00326	.00070	.00009	.00003
%RSD	7.1430	.08541	21.497	.83573	2.5120	101.86	2143.9	.85561	493.19	27.403
#1	.00150	.84251	-.00093	.01881	.00411	.00003	-.00245	.08111	-.00004	-.00012
#2	.00136	.84149	-.00068	.01859	.00396	.00019	.00215	.08210	.00008	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00197**	**.40931**	**1.0801**	**-.00035**	**1.3656**	**.00028**	**-.00025**	**8.2628**	**.00068**
Stddev	.00007	.00003	.00354	.0186	.00007	.0007	.00001	.00021	.0071	.00011
%RSD	12.873	1.3622	.86487	1.7209	21.112	.05006	2.8026	82.318	.08556	15.614
#1	.00060	-.00199	.41181	1.0933	-.00029	1.3661	.00028	-.00010	8.2678	.00060
#2	.00050	-.00195	.40681	1.0670	-.00040	1.3651	.00027	-.00040	8.2578	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03413**	**-.00004**	**1.8254**	**-.00040**	**-.00081**	**2.3957**	**5.1269**	**.00079**	**.00293**	**.00062**
Stddev	.00111	.00125	.0076	.00083	.00360	.0033	.0070	.00038	.00011	.00139
%RSD	3.2530	2936.2	.41340	206.60	444.93	.13619	.13619	47.473	3.8055	223.54
#1	.03334	.00084	1.8201	-.00099	.00174	2.3980	5.1318	.00106	.00301	-.00036
#2	.03491	-.00092	1.8307	.00018	-.00336	2.3934	5.1219	.00053	.00285	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00038**	**.00676**	**.00057**	**.00207**	**.00228**
Stddev	.00006	.00049	.01310	.00016	.00008	.00020
%RSD	7.2925	127.98	193.77	27.316	3.9150	8.6134
#1	.00075	.00004	.01602	.00068	.00202	.00214
#2	.00083	.00073	-.00250	.00046	.00213	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4095.1**	**65067.**	**6102.6**
Stddev	2.2	215.	15.6
%RSD	.05391	.32999	.25579
#1	4096.7	65219.	6091.6
#2	4093.5	64916.	6113.7

Sample Name: 280-27314-c-2-b Acquired: 4/9/2012 20:09:24 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.64478**	**-.00037**	**.08333**	**.01286**	**.00017**	**.00131**	**9.2833**	**-.00009**	**-.00010**
Stddev	.00009	.00276	.00406	.00006	.00007	.00003	.00006	.0025	.00004	.00006
%RSD	8.8131	.42796	1095.4	.06766	.52776	19.999	4.2199	.02734	46.557	57.878
#1	.00101	.64283	-.00324	.08329	.01291	.00019	.00135	9.2815	-.00012	-.00006
#2	.00114	.64673	.00250	.08337	.01281	.00014	.00127	9.2851	-.00006	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**-.00160**	**.78822**	**8.1315**	**-.00170**	**2.9047**	**.00156**	**-.00017**	**51.460**	**.00114**
Stddev	.00004	.00007	.00486	.0392	.00064	.0223	.00002	.00003	.019	.00008
%RSD	4.6120	4.4979	.61719	.48244	37.482	.76739	1.5010	16.544	.03694	7.3771
#1	.00092	-.00166	.79166	8.1593	-.00125	2.9205	.00154	-.00019	51.446	.00120
#2	.00098	-.00155	.78478	8.1038	-.00216	2.8890	.00157	-.00015	51.473	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05937**	**.00126**	**13.963**	**-.00161**	**-.00163**	**3.1264**	**6.6904**	**.00072**	**.01904**	**.00078**
Stddev	.00102	.00066	.022	.00079	.00042	.0310	.0664	.00098	.00003	.00035
%RSD	1.7262	52.862	.15993	48.903	25.669	.99236	.99236	136.51	.17524	45.561
#1	.06009	.00173	13.948	-.00217	-.00193	3.1044	6.6435	.00002	.01907	.00053
#2	.05864	.00079	13.979	-.00105	-.00134	3.1483	6.7374	.00141	.01902	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00128**	**.00725**	**.01368**	**.00261**	**.00139**
Stddev	.00033	.00018	.01272	.00026	.00026	.00094
%RSD	27.784	14.018	175.42	1.8747	10.126	67.422
#1	.00094	.00115	-.00174	.01386	.00279	.00073
#2	.00140	.00140	.01624	.01350	.00242	.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4007.4**	**63716.**	**6095.4**
Stddev	1.6	374.	8.6
%RSD	.03893	.58630	.14027
#1	4006.3	63452.	6101.5
#2	4008.5	63980.	6089.4

Sample Name: CCVH-1326164 Acquired: 4/9/2012 20:11:46 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**53.726**	**-.00044**	**.00232**	**.00039**	**.00008**	**1.0044**	**-.00119**	**-.00010**	**.00020**	**.00103**	**.00342**
Stddev	.00007	.415	.00435	.00032	.00008	.00009	.0012	.00183	.00007	.00022	.00019	.00022
%RSD	1.9095	.77248	992.86	13.984	21.773	108.61	.12300	153.53	73.056	108.04	18.872	6.5148
#1	.00366	53.432	.00264	.00255	.00045	.00002	1.0053	-.00249	-.00015	.00035	.00116	.00357
#2	.00376	54.019	-.00352	.00209	.00033	.00014	1.0035	.00010	-.00005	.00005	.00089	.00326
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.788**	**.08970**	**-.00191**	**.00172**	**-.00016**	**-.00055**	**266.83**	**.00254**	**.00427**	**-.00188**	**4.9283**	**-.00410**
Stddev	.315	.00196	.00059	.00161	.00004	.00003	1.55	.00016	.00185	.00189	.0197	.00019
%RSD	.58626	2.1866	30.654	93.661	26.643	6.3199	.58207	6.1078	43.451	100.70	.40054	4.5591
#1	53.565	.09109	-.00150	.00058	-.00019	-.00057	265.73	.00265	.00296	-.00322	4.9144	-.00396
#2	54.011	.08831	-.00233	.00285	-.00013	-.00052	267.92	.00243	.00558	-.00054	4.9423	-.00423
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00246**	**.01104**	**.02362**	**.00128**	**.00038**	W **4.6307**	**.00482**	**.00001**	**10.460**	**.00256**	**.00125**	**-.18745**
Stddev	.00133	.00595	.01274	.00026	.00001	.0045	.00027	.00188	.005	.00029	.00039	.00197
%RSD	54.069	53.926	53.926	20.194	1.7434	.09794	5.6732	33088.	.04706	11.213	31.263	1.0502
#1	-.00340	.01525	.03263	.00146	.00038	4.6339	.00501	-.00132	10.464	.00276	.00153	-.18605
#2	-.00152	.00683	.01461	.00110	.00038	4.6275	.00462	.00133	10.457	.00235	.00098	-.18884
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3954.7**	**61905.**	**6074.9**
Stddev	3.3	63.	26.9
%RSD	.08292	.10103	.44353
#1	3957.1	61949.	6093.9
#2	3952.4	61861.	6055.8

Sample Name: CCV-1343805 Acquired: 4/9/2012 20:14:07 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51809**	**.50107**	**.94222**	**.49346**	**.54867**	**.51330**	**-.00025**	**5.2096**	**.50453**	**.49929**	**.50262**	**.52301**	**2.7232**
Stddev	.00274	.00161	.00057	.00180	.00137	.00288	.00179	.0135	.00064	.00223	.00180	.00298	.0164
%RSD	.52977	.32186	.06006	.36419	.25031	.56115	720.46	.25831	.12654	.44696	.35820	.56989	.60039
#1	.52003	.50221	.94182	.49473	.54769	.51126	-.00152	5.2000	.50498	.50086	.50390	.52511	2.7116
#2	.51615	.49993	.94262	.49218	.54964	.51533	.00102	5.2191	.50408	.49771	.50135	.52090	2.7347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.719**	**1.0608**	**19.688**	**.50937**	**.49961**	**5.3304**	**.50208**	**.96588**	**.94148**	**.01566**	**.99222**	**1.0324**	**5.1686**
Stddev	.123	.0024	.059	.00189	.00346	.0019	.00278	.00132	.00382	.00386	.00112	.0039	.0356
%RSD	.22953	.22541	.29838	.37194	.69268	.03638	.55293	.13660	.40548	24.676	.11270	.37527	.68836
#1	53.632	1.0591	19.730	.51071	.50206	5.3291	.50404	.96682	.94418	.01839	.99301	1.0351	5.1434
#2	53.806	1.0624	19.647	.50803	.49716	5.3318	.50012	.96495	.93878	.01293	.99143	1.0296	5.1938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.061**	**1.0139**	**.53704**	**.01437**	**.49486**	**1.0466**	**-.01777**	**.50835**	**.47452**	**.49471**
Stddev	.076	.0047	.00239	.00101	.00214	.0054	.00643	.00226	.00132	.00102
%RSD	.68836	.46232	.44496	7.0594	.43308	.51663	36.163	.44446	.27802	.20698
#1	11.007	1.0172	.53535	.01509	.49637	1.0504	-.01323	.50994	.47546	.49398
#2	11.115	1.0106	.53873	.01366	.49334	1.0428	-.02232	.50675	.47359	.49543
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4046.3**	**63724.**	**6115.6**
Stddev	10.0	259.	27.1
%RSD	.24669	.40633	.44286
#1	4039.3	63541.	6134.7
#2	4053.4	63907.	6096.4

Sample Name: CCB Acquired: 4/9/2012 20:16:19 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00139**	**.00039**	**.00086**	**.00081**	**.00002**	**.00005**	**-.00021**	**-.00238**	**-.00007**	**-.00030**	**.00009**
Stddev	.00019	.00011	.00060	.00030	.00012	.00000	.00046	.00052	.00010	.00008	.00009
%RSD	13.687	28.271	70.426	36.529	672.98	6.7218	214.18	21.690	139.31	26.658	96.209
#1	.00126	.00047	.00043	.00060	.00010	.00006	-.00054	-.00274	-.00014	-.00036	.00003
#2	.00153	.00031	.00128	.00102	-.00007	.00005	.00011	-.00201	.00000	-.00025	.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00214**	F **.05668**	**.06515**	**-.00103**	**.00144**	**.00013**	**.00096**	W **.16791**	**.00013**	**.00250**	**.00015**
Stddev	.00016	.00208	.01473	.00001	.00050	.00003	.00037	.00070	.00036	.00031	.00031
%RSD	7.6333	3.6720	22.607	.53599	34.770	22.662	38.275	.41817	272.39	12.539	208.02
#1	-.00225	.05815	.05473	-.00103	.00180	.00011	.00070	.16741	.00038	.00228	.00037
#2	-.00202	.05520	.07556	-.00102	.00109	.00016	.00122	.16841	-.00012	.00272	-.00007
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136	.03000						.09160			
Low Limit	-.00136	-.03000						-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01135**	**.00226**	**-.00287**	**-.01561**	**-.03339**	**.00030**	**.00002**	**.00098**	**.00043**	**-.00063**	**-.00188**
Stddev	.00070	.00051	.00056	.00488	.01045	.00166	.00000	.00054	.00019	.00080	.01982
%RSD	6.1761	22.650	19.395	31.303	31.303	556.58	22.530	55.064	43.899	126.41	1051.9
#1	.01085	.00190	-.00248	-.01906	-.04079	-.00088	.00002	.00136	.00030	-.00007	-.01590
#2	.01184	.00262	-.00327	-.01215	-.02600	.00147	.00002	.00060	.00057	-.00119	.01213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00028**	**.00141**	**.00112**
Stddev	.00031	.00015	.00143
%RSD	110.19	10.550	127.45
#1	-.00050	.00131	.00011
#2	-.00006	.00152	.00213
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4070.8**	**65092.**	**5946.2**
Stddev	6.1	340.	27.4
%RSD	.15023	.52281	.46014
#1	4075.2	64851.	5965.5
#2	4066.5	65333.	5926.8

Sample Name: CCVL1351092 Acquired: 4/9/2012 20:18:44 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01204**	**.10532**	**.01388**	**.09307**	**.01148**	**.00106**	**.10979**	**.20911**	**.00505**	**.01027**	**.01037**	**.01395**	**.11168**	**3.4083**
Stddev	.00012	.00028	.00284	.00022	.00014	.00012	.00144	.00128	.00002	.00025	.00008	.00007	.00093	.0282
%RSD	1.0044	.26247	20.459	.23626	1.1946	10.943	1.3127	.61095	.42191	2.4447	.77640	.52204	.83340	.82579
#1	.01212	.10513	.01187	.09322	.01158	.00097	.11081	.21002	.00503	.01045	.01031	.01390	.11234	3.4282
#2	.01195	.10552	.01588	.09291	.01139	.00114	.10877	.20821	.00506	.01010	.01043	.01400	.11103	3.3884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00923**	**.20235**	**.01064**	**.01971**	**1.2557**	**.04130**	**2.6949**	**.01050**	**.01137**	**.00944**	**.01427**	**.50300**	**1.0764**	**.10182**
Stddev	.00338	.00132	.00003	.00002	.0020	.00012	.0005	.00025	.00142	.00002	.00195	.02125	.0455	.00042
%RSD	36.636	.65346	.27012	.12558	.15999	.29832	.01948	2.4257	12.493	.15946	13.682	4.2246	4.2246	.41322
#1	.01161	.20142	.01062	.01969	1.2571	.04139	2.6945	.01032	.01238	.00945	.01565	.48798	1.0443	.10152
#2	.00684	.20329	.01066	.01973	1.2543	.04122	2.6953	.01068	.01037	.00943	.01289	.51803	1.1086	.10212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01113**	**.01584**	**.01000**	**.01636**	**.05172**	**.01032**	**.02072**	**.01461**
Stddev	.00014	.00103	.00021	.00006	.01576	.00070	.00075	.00075
%RSD	1.2434	6.5283	2.0691	.36885	30.467	6.7808	3.6129	5.1631
#1	.01103	.01511	.00985	.01640	.04057	.01081	.02125	.01514
#2	.01123	.01658	.01014	.01632	.06286	.00983	.02019	.01408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4090.9**	**65174.**	**6062.9**
Stddev	1.7	65.	49.8
%RSD	.04147	.09956	.82138
#1	4089.7	65220.	6098.1
#2	4092.1	65128.	6027.7

Sample Name: 280-27314-c-3-b Acquired: 4/9/2012 20:21:07 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00150	.29456	.00128	.30040	.13334	.00010	.00092	162.90	.00111	.00013
Stddev	.00043	.00062	.00492	.00198	.00150	.00001	.00268	1.09	.00002	.00008
%RSD	28.328	.20890	385.90	.65993	1.1241	11.944	290.67	.66929	2.0538	61.803
#1	.00120	.29412	.00476	.29900	.13228	.00011	-.00097	162.13	.00109	.00018
#2	.00180	.29499	-.00221	.30180	.13440	.00009	.00282	163.67	.00112	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00290	.03524	1.6982	42.503	-.00071	21.017	.10815	-.00023	88.059	.00399
Stddev	.00009	.00076	.0198	.327	.00092	.092	.00033	.00003	.851	.00017
%RSD	3.0219	2.1649	1.1653	.77004	129.10	.43925	.30810	14.650	.96641	4.3776
#1	.00284	.03470	1.6843	42.272	-.00006	20.952	.10791	-.00025	87.457	.00411
#2	.00296	.03578	1.7122	42.735	-.00136	21.082	.10838	-.00020	88.661	.00386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29094	.00371	109.59	-.00007	.00044	4.2621	9.1210	-.00081	.63341	.00014
Stddev	.00320	.00149	.02	.00145	.00094	.0407	.0871	.00071	.00719	.00194
%RSD	1.1000	40.284	.01895	2108.9	211.62	.95474	.95474	87.222	1.1354	1384.1
#1	.28868	.00477	109.61	.00095	.00111	4.2334	9.0594	-.00131	.62833	-.00123
#2	.29320	.00265	109.58	-.00109	-.00022	4.2909	9.1826	-.00031	.63850	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00174	.00142	-.00563	.01497	.08087	.00127
Stddev	.00003	.00242	.03031	.00007	.00037	.00045
%RSD	1.8293	170.56	538.80	.46834	.45900	35.197
#1	.00176	-.00029	-.02706	.01492	.08061	.00158
#2	.00172	.00313	.01581	.01502	.08114	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3859.1	61315.	6049.5
Stddev	5.3	18.	15.1
%RSD	.13862	.02896	.24970
#1	3855.4	61303.	6038.8
#2	3862.9	61328.	6060.1

Sample Name: 280-27314-c-4-b Acquired: 4/9/2012 20:23:29 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00159	W 2.5816	W 3.0750	.00245	.13521	.08631	.00025	.00044	16.739	-.00003
Stddev	.00018	.0045	.0010	.00002	.00030	.00033	.00001	.00122	.006	.00004
%RSD	11.455	.17307	.03395	.92050	.22462	.38795	5.7447	279.86	.03849	157.07
#1	.00172	2.5848	3.0758	.00244	.13499	.08608	.00026	-.00043	16.734	.00000
#2	.00146	2.5784	3.0743	.00247	.13542	.08655	.00024	.00130	16.743	-.00005
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.5000	500.00							
Low Limit		-.05000	3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	.00114	-.00043	1.4010	12.168	-.00130	2.9349	.00771	-.00005	36.856
Stddev	.00014	.00003	.00041	.0080	.048	.00016	.0116	.00007	.00015	.075
%RSD	108.53	2.4100	96.548	.56753	.39112	12.256	.39459	.90755	279.42	.20303
#1	-.00003	.00112	-.00072	1.3954	12.202	-.00141	2.9267	.00776	.00005	36.803
#2	-.00023	.00116	-.00014	1.4067	12.135	-.00119	2.9431	.00766	-.00016	36.909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.09961	.00083	17.575	-.00109	-.00056	2.8845	6.1728	.00000	.11700
Stddev	.00026	.00237	.00045	.013	.00244	.00136	.0066	.0142	.00124	.00019
%RSD	149.15	2.3747	54.617	.07373	224.47	241.93	.22999	.22999	89895.	.15952
#1	-.00001	.10128	.00115	17.566	.00064	-.00152	2.8798	6.1628	.00088	.11687
#2	.00036	.09794	.00051	17.584	-.00281	.00040	2.8892	6.1829	-.00088	.11713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00040	.00154	.00088	.01040	.00429	.00264	.00148
Stddev	.00084	.00023	.00048	.00966	.00014	.00030	.00205
%RSD	211.09	15.130	54.773	92.892	3.1735	11.443	137.92
#1	.00020	.00138	.00054	.01724	.00439	.00285	.00004
#2	-.00099	.00171	.00123	.00357	.00420	.00243	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4062.1	63991.	6176.5
Stddev	2.4	216.	27.0
%RSD	.05869	.33758	.43772
#1	4063.7	64144.	6157.3
#2	4060.4	63838.	6195.6

Sample Name: 280-27314-c-5-b Acquired: 4/9/2012 20:25:51 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**1.6885**	**.00022**	**.10630**	**.05788**	**.00039**	**-.00133**	**36.966**	**.00020**	**-.00004**
Stddev	.00010	.0011	.00476	.00050	.00042	.00004	.00029	.055	.00012	.00014
%RSD	7.8718	.06500	2116.8	.46918	.71911	10.578	21.461	.14874	60.332	372.13
#1	.00137	1.6893	-.00314	.10595	.05759	.00042	-.00113	36.927	.00012	.00006
#2	.00122	1.6877	.00359	.10665	.05818	.00037	-.00154	37.005	.00029	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00379**	**-.00124**	**1.7744**	**9.0328**	**.00010**	**4.7897**	**.00612**	**-.00017**	**17.393**	**.00052**
Stddev	.00006	.00008	.0062	.0340	.00259	.0564	.00003	.00013	.032	.00019
%RSD	1.6166	6.0571	.34800	.37673	2691.1	1.1769	.45676	78.802	.18500	35.604
#1	.00383	-.00119	1.7700	9.0088	-.00174	4.8296	.00610	-.00027	17.415	.00039
#2	.00374	-.00130	1.7787	9.0569	.00193	4.7499	.00614	-.00008	17.370	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07115**	**.00039**	**41.975**	**-.00058**	**-.00293**	**2.6358**	**5.6405**	**-.00020**	**.13870**	**.00089**
Stddev	.00084	.00101	.055	.00039	.00119	.0292	.0624	.00073	.00011	.00088
%RSD	1.1816	260.73	.13213	67.031	40.752	1.1070	1.1070	358.14	.07870	98.560
#1	.07175	-.00033	41.936	-.00031	-.00209	2.6151	5.5964	.00031	.13862	.00027
#2	.07056	.00110	42.014	-.00086	-.00378	2.6564	5.6847	-.00072	.13878	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.00100**	**-.00944**	**.00708**	**.00357**	**.00183**
Stddev	.00013	.00125	.01030	.00002	.00023	.00104
%RSD	6.1095	124.34	109.20	.34922	6.3427	56.938
#1	.00209	.00012	-.01672	.00706	.00341	.00256
#2	.00228	.00189	-.00215	.00709	.00373	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.4**	**64560.**	**6145.6**
Stddev	9.5	392.	21.4
%RSD	.23447	.60747	.34859
#1	4056.7	64283.	6160.8
#2	4070.2	64837.	6130.5

Sample Name: 280-27314-c-6-b Acquired: 4/9/2012 20:28:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.59149**	**.00180**	**.02380**	**.01967**	**.00014**	**-.00136**	**3.7596**	**.00000**	**-.00003**
Stddev	.00021	.00019	.00035	.00022	.00028	.00004	.00140	.0165	.0000	.00010
%RSD	15.324	.03137	19.201	.93992	1.4347	32.640	103.18	.43817	2289.1	346.27
#1	.00155	.59136	.00204	.02364	.01947	.00017	-.00037	3.7480	.00003	-.00010
#2	.00124	.59162	.00156	.02396	.01987	.00010	-.00235	3.7713	-.00003	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**-.00145**	**1.0479**	**1.4745**	**.00147**	**1.9556**	**.00246**	**-.00008**	**19.462**	**.00033**
Stddev	.00008	.00002	.0041	.0081	.00103	.0008	.00001	.00014	.396	.00004
%RSD	7.9087	1.6596	.38978	.55111	70.130	.03829	.38344	174.16	2.0348	10.909
#1	.00112	-.00147	1.0508	1.4802	.00220	1.9562	.00246	-.00018	19.182	.00036
#2	.00100	-.00144	1.0451	1.4687	.00074	1.9551	.00245	.00002	19.742	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91717**	**-.00006**	**1.2086**	**-.00079**	**-.00122**	**3.4967**	**7.4829**	**.00013**	**.02802**	**.00040**
Stddev	.00088	.00102	.0002	.00056	.00081	.0150	.0321	.00113	.00014	.00149
%RSD	.09649	1628.9	.01642	71.911	66.408	.42907	.42907	878.05	.49917	374.90
#1	.91654	-.00079	1.2084	-.00119	-.00065	3.4861	7.4602	-.00067	.02792	.00145
#2	.91779	.00066	1.2087	-.00039	-.00179	3.5073	7.5057	.00093	.02812	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00026**	**-.00438**	**.00245**	**.00258**	**.00200**
Stddev	.00008	.00095	.00302	.00005	.00030	.00164
%RSD	14.003	363.14	69.100	2.1286	11.675	82.171
#1	.00050	-.00041	-.00651	.00249	.00237	.00084
#2	.00061	.00094	-.00224	.00242	.00280	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4084.7**	**64141.**	**5986.3**
Stddev	10.2	456.	24.8
%RSD	.24926	.71156	.41380
#1	4091.9	64463.	5968.8
#2	4077.5	63818.	6003.9

Sample Name: 280-27314-c-7-b Acquired: 4/9/2012 20:30:35 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**1.5015**	**.01909**	**.33439**	**.03764**	**.00014**	**.00127**	**80.543**	**.00092**	**.00418**
Stddev	.00028	.0098	.00226	.00193	.00018	.00002	.00044	.122	.00013	.00001
%RSD	19.486	.65255	11.821	.57649	.48397	15.910	34.980	.15104	14.105	.24265
#1	.00162	1.5085	.02069	.33576	.03777	.00013	.00096	80.629	.00101	.00419
#2	.00122	1.4946	.01750	.33303	.03751	.00016	.00159	80.457	.00082	.00417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00118**	**.00329**	**6.5143**	**15.423**	**.00087**	**2.9245**	**.02543**	**-.00011**	**46.452**	**.00639**
Stddev	.00002	.00011	.0256	.055	.00066	.0088	.00016	.00034	.189	.00002
%RSD	1.7579	3.2788	.39333	.35855	75.591	.29952	.64151	317.14	.40662	.37428
#1	.00119	.00337	6.5324	15.462	.00134	2.9307	.02555	-.00035	46.586	.00637
#2	.00116	.00322	6.4962	15.384	.00041	2.9183	.02532	.00013	46.318	.00640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13178**	**.00081**	**71.123**	**-.00042**	**.00017**	**6.7164**	**14.373**	**.00077**	**.47148**	**-.00046**
Stddev	.00079	.00129	.344	.00220	.00141	.0076	.016	.00148	.00214	.00097
%RSD	.60063	160.17	.48340	526.08	838.59	.11323	.11323	193.39	.45365	210.20
#1	.13234	-.00011	71.366	-.00198	-.00083	6.7110	14.362	-.00028	.47299	-.00115
#2	.13122	.00172	70.880	.00114	.00117	6.7218	14.385	.00181	.46997	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00175**	**.00324**	**-.00768**	**.00299**	**.03486**	**.00117**
Stddev	.00015	.00017	.00128	.00001	.00026	.00021
%RSD	8.7243	5.3635	16.698	.36784	.75521	17.959
#1	.00186	.00312	-.00858	.00300	.03467	.00102
#2	.00164	.00337	-.00677	.00298	.03504	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3974.4**	**62419.**	**6096.6**
Stddev	14.3	152.	51.3
%RSD	.35878	.24429	.84164
#1	3964.3	62311.	6132.9
#2	3984.5	62526.	6060.4

Sample Name: 280-27314-c-8-b Acquired: 4/9/2012 20:32:55 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**1.8871**	**.00392**	**.03070**	**.01103**	**.00028**	**-.00108**	**33.142**	**.00035**	**.00080**
Stddev	.00021	.0029	.00399	.00056	.00022	.00004	.00104	.140	.00003	.00023
%RSD	16.145	.15569	101.72	1.8285	2.0110	13.435	96.254	.42181	8.0523	28.691
#1	.00114	1.8892	.00674	.03109	.01087	.00031	-.00034	33.043	.00037	.00096
#2	.00144	1.8850	.00110	.03030	.01119	.00025	-.00181	33.241	.00033	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00204**	**.00144**	**1.3180**	**2.6871**	**.00255**	**3.4453**	**.01619**	**.00007**	**23.619**	**.00078**
Stddev	.00001	.00043	.0078	.0044	.00110	.0144	.00004	.00033	.271	.00021
%RSD	.29843	29.944	.59179	.16421	43.264	.41700	.22205	497.48	1.1492	26.391
#1	.00205	.00174	1.3125	2.6840	.00333	3.4554	.01622	-.00017	23.811	.00063
#2	.00204	.00113	1.3235	2.6902	.00177	3.4351	.01617	.00030	23.427	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03061**	**.00112**	**13.846**	**-.00213**	**-.00395**	**4.6238**	**9.8949**	**.00070**	**.11504**	**-.00069**
Stddev	.00154	.00007	.039	.00002	.00319	.0107	.0229	.00141	.00072	.00079
%RSD	5.0421	6.0096	.28243	1.0348	80.851	.23156	.23156	203.12	.62701	114.21
#1	.02952	.00116	13.874	-.00212	-.00169	4.6162	9.8787	-.00030	.11453	-.00125
#2	.03170	.00107	13.819	-.00215	-.00620	4.6314	9.9111	.00169	.11555	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**.00078**	**.00582**	**.00397**	**.06499**	**.00116**
Stddev	.00011	.00035	.00971	.00020	.00144	.00133
%RSD	7.4859	45.496	166.79	4.9301	2.2221	114.70
#1	.00143	.00103	.01268	.00411	.06601	.00022
#2	.00159	.00053	-.00104	.00384	.06397	.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.5**	**63942.**	**6127.5**
Stddev	7.0	206.	46.0
%RSD	.17113	.32155	.75077
#1	4073.6	63797.	6160.1
#2	4083.5	64087.	6095.0

Sample Name: 280-27314-c-9-b Acquired: 4/9/2012 20:35:16 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**.66031**	**.00164**	**.04465**	**.02085**	**.00010**	**-.00078**	**59.472**	**.00068**	**.00071**
Stddev	.00009	.00378	.00176	.00078	.00015	.00004	.00051	1.029	.00020	.00020
%RSD	6.7624	.57232	107.42	1.7550	.73261	36.548	65.489	1.7294	29.497	27.368
#1	.00135	.65764	.00039	.04520	.02096	.00012	-.00042	60.199	.00082	.00058
#2	.00123	.66298	.00288	.04409	.02075	.00007	-.00115	58.745	.00054	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.23593**	**1.0419**	**3.7416**	**.00019**	**6.9576**	**.02093**	**-.00015**	**21.736**	**.00121**
Stddev	.00002	.00019	.0168	.0301	.00136	.0307	.00010	.00002	.039	.00000
%RSD	1.0980	.08156	1.6083	.80545	700.54	.44113	.46418	15.520	.17961	.15752
#1	.00162	.23606	1.0538	3.7629	-.00076	6.9793	.02087	-.00016	21.708	.00121
#2	.00165	.23579	1.0301	3.7203	.00115	6.9359	.02100	-.00013	21.763	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15717**	**.01143**	**17.795**	**-.00077**	**-.00137**	**10.008**	**21.417**	**.00036**	**.24133**	**.00022**
Stddev	.00285	.00077	.002	.00192	.00213	.200	.428	.00053	.00379	.00112
%RSD	1.8112	6.7131	.00981	250.33	154.91	1.9983	1.9983	145.99	1.5705	518.08
#1	.15515	.01089	17.794	.00059	.00013	10.149	21.719	-.00001	.24401	.00101
#2	.15918	.01197	17.797	-.00212	-.00288	9.8663	21.114	.00073	.23865	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00163**	**.00089**	**-.02056**	**.00156**	**.67538**	**.00175**
Stddev	.00018	.00136	.00722	.00009	.00008	.00065
%RSD	11.164	153.50	35.119	5.5281	.01161	36.905
#1	.00176	.00185	-.02566	.00149	.67544	.00129
#2	.00150	-.00008	-.01545	.00162	.67532	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4046.1**	**62941.**	**6156.6**
Stddev	6.3	411.	72.6
%RSD	.15545	.65315	1.1800
#1	4050.6	62650.	6105.2
#2	4041.7	63232.	6207.9

Sample Name: 280-27314-c-10-b Acquired: 4/9/2012 20:37:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00621**	**-.00002**	**.00015**	**.00032**	**.00006**	**-.00070**	**.02597**	**-.00009**	**-.00018**
Stddev	.00008	.00018	.00112	.00011	.00021	.00001	.00141	.00212	.00008	.00017
%RSD	9.7234	2.8439	5403.5	74.137	65.735	11.075	200.75	8.1452	84.024	95.146
#1	.00083	.00609	-.00081	.00007	.00047	.00007	-.00170	.02746	-.00014	-.00031
#2	.00072	.00634	.00077	.00023	.00017	.00006	.00029	.02447	-.00004	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00170**	**.01403**	**.05719**	**-.00143**	**.00292**	**.00047**	**-.00020**	**.20063**	**.00015**
Stddev	.00001	.00000	.00132	.01655	.00063	.00188	.00001	.00016	.00463	.00021
%RSD	10.373	.19619	9.3750	28.943	43.964	64.425	1.4770	78.941	2.3062	135.70
#1	.00009	-.00170	.01310	.06890	-.00187	.00159	.00047	-.00032	.20390	.00030
#2	.00008	-.00170	.01496	.04549	-.00098	.00424	.00048	-.00009	.19736	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00243**	**.00018**	**.02307**	**-.00100**	**-.00252**	**-.00096**	**-.00205**	**.00104**	**.00008**	**.00026**
Stddev	.00104	.00095	.00098	.00139	.00143	.01331	.02848	.00008	.00003	.00011
%RSD	42.946	518.54	4.2344	138.69	56.786	1386.5	1386.5	7.7291	34.172	40.357
#1	.00169	.00085	.02238	-.00002	-.00151	.00845	.01808	.00098	.00006	.00034
#2	.00316	-.00049	.02376	-.00199	-.00353	-.01037	-.02219	.00109	.00010	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.00019**	**.00311**	**-.00008**	**.00384**	**.00090**
Stddev	.00017	.00058	.01746	.00026	.00004	.00142
%RSD	39.872	307.14	561.13	329.76	.98790	156.94
#1	.00031	.00022	-.00923	.00011	.00387	-.00010
#2	.00055	-.00060	.01546	-.00027	.00381	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4164.3**	**66279.**	**6180.5**
Stddev	.5	488.	106.5
%RSD	.01089	.73574	1.7231
#1	4164.7	65934.	6105.2
#2	4164.0	66624.	6255.8

Sample Name: CCVH-1326164 Acquired: 4/9/2012 20:40:00 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**52.902**	**-.00209**	**.00285**	**.00022**	**.00004**	**.98648**	**-.00443**	**-.00010**	**.00003**	**.00113**	**.00346**
Stddev	.00026	.222	.00259	.00107	.00005	.00007	.00133	.00036	.00011	.00031	.00008	.00023
%RSD	7.5249	.41960	123.90	37.390	24.740	198.32	.13494	8.1601	111.03	1029.5	6.6440	6.6125
#1	.00330	52.745	-.00392	.00210	.00025	-.00001	.98554	-.00468	-.00002	.00025	.00108	.00329
#2	.00367	53.059	-.00026	.00361	.00018	.00008	.98742	-.00417	-.00018	-.00019	.00119	.00362
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.982**	**.06742**	**.00078**	**.00445**	**-.00020**	**-.00080**	**262.88**	**.00200**	**.00578**	**-.00230**	**4.9014**	**-.00192**
Stddev	.130	.01876	.00188	.00352	.00004	.00008	1.19	.00007	.00082	.00163	.0205	.00062
%RSD	.24453	27.831	242.38	79.149	21.569	9.7095	.45327	3.6939	14.249	70.843	.41803	32.321
#1	52.890	.08069	-.00055	.00694	-.00023	-.00074	262.04	.00205	.00636	-.00115	4.9158	-.00148
#2	53.073	.05415	.00210	.00196	-.00017	-.00085	263.72	.00195	.00520	-.00345	4.8869	-.00236
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00778**	**.00856**	**.01831**	**.00237**	**.00040**	W **4.6742**	**.00403**	**.00144**	**10.456**	**.00231**	**.00088**	**-.18922**
Stddev	.00045	.00565	.01209	.00001	.00005	.0367	.00024	.00058	.069	.00004	.00046	.00142
%RSD	5.7776	66.016	66.016	.30259	12.852	.78572	5.9486	40.514	.65542	1.9070	52.205	.74917
#1	-.00810	.01255	.02686	.00237	.00044	4.6483	.00386	.00185	10.408	.00228	.00055	-.18822
#2	-.00747	.00456	.00976	.00238	.00037	4.7002	.00420	.00103	10.505	.00234	.00120	-.19022
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.2**	**62152.**	**6161.1**
Stddev	.7	459.	35.5
%RSD	.01726	.73771	.57552
#1	3991.7	62476.	6186.2
#2	3992.7	61828.	6136.0

Sample Name: CCV-1343805 Acquired: 4/9/2012 20:42:20 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51587**	**.50026**	**.93251**	**.48353**	**.54206**	**.50693**	**.00032**	**5.0979**	**.49555**	**.49359**	**.49547**	**.51368**	**2.6992**
Stddev	.00046	.00155	.00083	.00009	.00014	.00128	.00027	.0026	.00088	.00287	.00149	.00049	.0114
%RSD	.08900	.31026	.08927	.01934	.02501	.25339	85.445	.05010	.17823	.58174	.30076	.09549	.42169
#1	.51619	.50136	.93310	.48346	.54215	.50783	.00051	5.0998	.49618	.49562	.49652	.51403	2.7072
#2	.51554	.49917	.93192	.48359	.54196	.50602	.00013	5.0961	.49493	.49156	.49441	.51334	2.6911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.237**	**1.0361**	**19.821**	**.51090**	**.49122**	**5.1920**	**.49536**	**.95849**	**.93414**	**.01581**	**.97287**	**1.0287**	**5.0281**
Stddev	.120	.0001	.061	.00008	.00262	.0117	.00067	.00465	.00171	.00292	.00094	.0059	.0007
%RSD	.22461	.01178	.30661	.01619	.53377	.22487	.13610	.48544	.18352	18.444	.09636	.57379	.01320
#1	53.152	1.0362	19.864	.51084	.49307	5.1838	.49583	.96178	.93535	.01375	.97353	1.0329	5.0277
#2	53.322	1.0360	19.778	.51096	.48937	5.2003	.49488	.95520	.93292	.01788	.97221	1.0245	5.0286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.760**	**1.0029**	**.53236**	**.01478**	**.49038**	**1.0325**	**-.00779**	**.50407**	**.48081**	**.48406**
Stddev	.001	.0045	.00035	.00031	.00087	.0036	.00323	.00098	.00044	.00030
%RSD	.01320	.44394	.06626	2.0869	.17792	.34514	41.533	.19516	.09166	.06206
#1	10.759	1.0060	.53211	.01456	.48976	1.0350	-.01007	.50337	.48112	.48427
#2	10.761	.99975	.53261	.01500	.49100	1.0300	-.00550	.50476	.48049	.48384
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4098.6**	**63811.**	**6228.6**
Stddev	13.5	13.	10.0
%RSD	.33005	.01968	.16041
#1	4089.0	63802.	6221.5
#2	4108.2	63819.	6235.6

Sample Name: CCB Acquired: 4/9/2012 20:44:31 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00117**	**.00004**	**.00135**	**.00074**	**-.00009**	**.00006**	**-.00076**	**-.00071**	**.00011**	**-.00018**	**-.00010**
Stddev	.00009	.00027	.00172	.00014	.00018	.00004	.00068	.00054	.00001	.00012	.00023
%RSD	7.6630	712.59	127.27	19.054	190.03	67.827	89.077	76.027	5.7398	63.955	223.12
#1	.00123	.00023	.00257	.00064	-.00022	.00003	-.00124	-.00033	.00010	-.00026	.00006
#2	.00111	-.00015	.00014	.00084	.00003	.00009	-.00028	-.00109	.00011	-.00010	-.00026
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00162**	**.00031**	**.05745**	**-.00085**	**.00075**	**.00001**	**.00089**	W **.12181**	**-.00018**	**-.00002**	**.00055**
Stddev	.00042	.00098	.04519	.00098	.00169	.00003	.00017	.00257	.00027	.00020	.00147
%RSD	26.264	316.69	78.659	114.94	226.51	195.90	19.039	2.1081	146.54	949.67	265.72
#1	-.00132	-.00038	.08940	-.00155	-.00045	-.00001	.00077	.11999	.00001	-.00016	.00159
#2	-.00192	.00100	.02549	-.00016	.00194	.00003	.00101	.12362	-.00037	.00012	-.00049
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01220**	**.00203**	**.00009**	**-.00514**	**-.01099**	**.00078**	**-.00002**	**.00145**	**.00033**	**.00023**	**-.01381**
Stddev	.00214	.00234	.00207	.00749	.01603	.00013	.00003	.00110	.00005	.00034	.00340
%RSD	17.569	115.08	2302.2	145.86	145.86	17.048	113.78	76.140	15.254	144.16	24.581
#1	.01068	.00038	.00155	-.01043	-.02232	.00068	.00000	.00223	.00030	.00047	-.01622
#2	.01372	.00368	-.00137	.00016	.00034	.00087	-.00004	.00067	.00037	.00000	-.01141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00026**	**.00133**	**.00129**
Stddev	.00048	.00003	.00053
%RSD	179.61	1.9832	41.383
#1	.00060	.00131	.00167
#2	-.00007	.00135	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4110.6**	**65493.**	**6064.5**
Stddev	24.9	616.	32.2
%RSD	.60560	.93989	.53067
#1	4093.0	65057.	6041.7
#2	4128.2	65928.	6087.2

Sample Name: CCVL1351092 Acquired: 4/9/2012 20:46:55 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01151**	**.10535**	**.01584**	**.09282**	**.01116**	**.00108**	**.10771**	**.20589**	**.00508**	**.01020**	**.01032**	**.01414**	**.10936**
Stddev	.00007	.00255	.00001	.00009	.00010	.00005	.00140	.00284	.00007	.00004	.00020	.00037	.00135
%RSD	.56920	2.4242	.09199	.10078	.85688	5.0457	1.2968	1.3806	1.3690	.42734	1.9355	2.6510	1.2328
#1	.01155	.10354	.01583	.09276	.01109	.00104	.10869	.20388	.00503	.01017	.01018	.01441	.11031
#2	.01146	.10715	.01585	.09289	.01123	.00112	.10672	.20790	.00513	.01023	.01046	.01388	.10840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3345**	**.00955**	**.20512**	**.01078**	**.01957**	**1.1881**	**.04146**	**2.7174**	**.00951**	**.01421**	**.00767**	F **.00847**	**.48279**
Stddev	.0003	.00089	.00263	.00003	.00012	.0017	.00069	.0202	.00131	.00014	.00012	.00785	.00793
%RSD	.00825	9.3371	1.2802	.30408	.63151	.14607	1.6721	.74428	13.820	.97079	1.6270	92.751	1.6418
#1	3.3347	.01018	.20697	.01080	.01948	1.1893	.04097	2.7031	.00858	.01412	.00758	.01402	.47719
#2	3.3343	.00892	.20326	.01076	.01966	1.1869	.04195	2.7317	.01044	.01431	.00776	.00291	.48839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0332**	**.10189**	**.01091**	**.01604**	**.01009**	**.01566**	**.07517**	**.01003**	**.02118**	**.01667**
Stddev	.0170	.00217	.00006	.00017	.00005	.00108	.01831	.00026	.00061	.00082
%RSD	1.6418	2.1334	.51061	1.0439	.48777	6.9024	24.352	2.6381	2.8853	4.9110
#1	1.0212	.10036	.01095	.01615	.01013	.01489	.06223	.00985	.02075	.01725
#2	1.0452	.10343	.01087	.01592	.01006	.01642	.08812	.01022	.02161	.01609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4104.4**	**65179.**	**6205.2**
Stddev	38.3	312.	1.8
%RSD	.93395	.47859	.02885
#1	4131.6	64959.	6206.4
#2	4077.3	65400.	6203.9

Sample Name: lb 280-114424/1-c Acquired: 4/9/2012 20:49:18 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00347**	**-.00051**	W **.00707**	W **.00851**	**.00006**	**.00100**	W **.12238**	**.00005**	**-.00046**
Stddev	.00031	.00013	.00063	.00031	.00029	.00003	.00210	.00206	.00003	.00003
%RSD	24.224	3.6858	124.96	4.3460	3.4374	52.579	211.22	1.6821	68.255	6.5586
#1	.00106	.00338	-.00006	.00685	.00830	.00008	-.00049	.12092	.00002	-.00048
#2	.00150	.00356	-.00096	.00729	.00872	.00004	.00248	.12383	.00007	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.00500	.00500			.10000		
Low Limit				-.00500	-.00500			-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00144**	**.01765**	**.11354**	**-.00154**	**.01336**	**.00042**	**-.00025**	**170.24**	**.00010**
Stddev	.00001	.00008	.00087	.01049	.00063	.00087	.00006	.00019	.24	.00008
%RSD	3.6741	5.8937	4.9106	9.2369	40.691	6.5148	14.741	78.144	.13852	84.415
#1	.00040	.00150	.01704	.12095	-.00110	.01275	.00038	-.00039	170.08	.00004
#2	.00038	.00138	.01827	.10612	-.00198	.01398	.00047	-.00011	170.41	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	**.00106**	F **.04251**	**-.00174**	**.00090**	F **.01111**	**.02378**	**.00104**	**.00036**	**.00094**
Stddev	.00133	.00177	.00171	.00003	.00316	.02190	.04686	.00009	.00002	.00031
%RSD	78.504	167.34	4.0115	1.8343	350.40	197.07	197.07	8.7140	5.4060	33.007
#1	.00076	.00231	.04372	-.00172	-.00133	-.00437	-.00936	.00098	.00035	.00116
#2	.00264	-.00019	.04131	-.00177	.00314	.02660	.05691	.00111	.00037	.00072
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00098**	**.00384**	**-.00020**	W **.00504**	**.00007**
Stddev	.00009	.00165	.01085	.00010	.00034	.00104
%RSD	39.757	167.22	282.43	51.521	6.7508	1395.8
#1	.00015	-.00018	-.00383	-.00013	.00528	-.00066
#2	.00027	.00215	.01151	-.00027	.00480	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3971.6**	**62174.**	**6181.9**
Stddev	10.7	62.	40.2
%RSD	.26858	.10007	.65020
#1	3979.1	62218.	6210.3
#2	3964.0	62130.	6153.5

Sample Name: lcs 280-114424/2-c Acquired: 4/9/2012 20:51:44 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20057**	W **.36686**	**.72972**	**.18286**	**2.4522**	**.00941**	**.37633**	**9.3437**	**.21105**	**.09043**
Stddev	.00032	.00010	.00351	.00168	.0117	.00002	.00557	.0498	.00202	.00020
%RSD	.15859	.02739	.48121	.92094	.47703	.23642	1.4794	.53353	.95745	.22497
#1	.20080	.36693	.73220	.18405	2.4439	.00939	.38027	9.3085	.21248	.09057
#2	.20035	.36679	.72723	.18167	2.4605	.00942	.37240	9.3790	.20962	.09028
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98957**	**.43930**	**.20123**	**10.010**	**.18948**	F **8.6794**	**.09485**	**.18518**	F **176.38**	**.09210**
Stddev	.00533	.00208	.00397	.087	.00008	.0544	.00016	.00096	.57	.00018
%RSD	.53856	.47437	1.9705	.86626	.04191	.62686	.17053	.52003	.32576	.19921
#1	.99334	.44078	.19843	9.9483	.18954	8.6409	.09473	.18586	175.97	.09223
#2	.98580	.43783	.20404	10.071	.18943	8.7179	.09496	.18450	176.79	.09197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8237**	F **.97557**	**.04593**	F **.08286**	**.58173**	F **1.8534**	F **3.9663**	**.36896**	**.19700**	**.17528**
Stddev	.0051	.00481	.00482	.00049	.00487	.0059	.0127	.00108	.00080	.00121
%RSD	.28121	.49256	10.491	.59202	.83755	.31906	.31906	.29247	.40539	.68972
#1	1.8273	.97897	.04252	.08251	.58517	1.8576	3.9753	.36820	.19644	.17443
#2	1.8201	.97217	.04934	.08321	.57828	1.8492	3.9574	.36972	.19757	.17614
Check ?	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		1.1550		.10800		2.3000	4.9220			
Low Limit		.99000		.08800		1.8800	4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18413**	**.36267**	**.38773**	**.09316**	**.46637**	**.08304**
Stddev	.00047	.00465	.02018	.00003	.00427	.00009
%RSD	.25712	1.2831	5.2056	.02929	.91581	.11291
#1	.18379	.36596	.37346	.09318	.46335	.08297
#2	.18446	.35938	.40200	.09314	.46939	.08310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3941.1**	**61889.**	**6235.9**
Stddev	13.9	92.	18.0
%RSD	.35238	.14854	.28868
#1	3931.3	61954.	6248.7
#2	3950.9	61824.	6223.2

Sample Name: 280-27317-a-1-d Acquired: 4/9/2012 20:54:02 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.05700**	**-.00030**	**.02315**	**.09812**	**.00006**	**.00023**	**7.7924**	**.00001**	**.00407**
Stddev	.00000	.00010	.00167	.00000	.00073	.00000	.00036	.0479	.00003	.00008
%RSD	.56434	.17926	552.78	.00574	.74456	4.5286	157.78	.61492	325.18	1.8875
#1	.00086	.05693	-.00148	.02315	.09760	.00006	-.00003	7.7586	.00003	.00401
#2	.00086	.05708	.00088	.02315	.09864	.00006	.00049	7.8263	-.00001	.00412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00297**	**.04564**	**1.0152**	**-.00085**	**1.4387**	**.55350**	**.00030**	**177.74**	**.00456**
Stddev	.00008	.00030	.00025	.0218	.00000	.0230	.00928	.00059	1.87	.00010
%RSD	39.830	10.075	.54162	2.1494	.24661	1.5988	1.6762	195.67	1.0493	2.2101
#1	.00026	.00276	.04582	.99979	-.00085	1.4224	.54694	-.00012	176.42	.00449
#2	.00014	.00318	.04547	1.0306	-.00085	1.4549	.56006	.00072	179.06	.00463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08594**	**.00073**	**.15279**	**-.00249**	**.00294**	**.57708**	**1.2350**	**.00041**	**.07316**	**.00131**
Stddev	.00047	.00075	.00110	.00070	.00084	.00671	.0144	.00056	.00054	.00054
%RSD	.54582	102.75	.71785	28.290	28.601	1.1631	1.1631	135.66	.73782	41.376
#1	.08627	.00125	.15202	-.00199	.00234	.58183	1.2451	.00002	.07277	.00169
#2	.08560	.00020	.15357	-.00299	.00353	.57233	1.2248	.00081	.07354	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00158**	**.00155**	**-.00693**	**.00134**	**.01742**	**.00115**
Stddev	.00005	.00026	.00094	.00019	.00078	.00063
%RSD	3.2345	16.887	13.541	14.248	4.4823	54.497
#1	.00161	.00136	-.00627	.00121	.01687	.00071
#2	.00154	.00173	-.00760	.00148	.01797	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3942.8**	**61675.**	**6191.3**
Stddev	.7	880.	4.3
%RSD	.01819	1.4276	.06951
#1	3943.3	62297.	6194.4
#2	3942.3	61052.	6188.3

Sample Name: 280-27317-a-2-d Acquired: 4/9/2012 20:56:27 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.06281**	**.00005**	**.02458**	**.16059**	**.00006**	**-.00143**	**14.133**	**.00047**	**.00759**
Stddev	.00010	.00005	.00043	.00014	.00087	.00009	.00037	.082	.00006	.00011
%RSD	8.6685	.08155	824.71	.57794	.54240	156.77	26.137	.58149	12.045	1.3994
#1	.00118	.06284	.00036	.02448	.16121	-.00001	-.00170	14.191	.00043	.00766
#2	.00104	.06277	-.00025	.02468	.15998	.00012	-.00117	14.075	.00051	.00751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00390**	**.06171**	**.90311**	**-.00072**	**3.2374**	**.64391**	**-.00050**	**172.84**	**.00987**
Stddev	.00002	.00017	.00064	.02148	.00017	.0122	.00209	.00052	1.09	.00004
%RSD	7.4324	4.3935	1.0349	2.3779	23.881	.37560	.32400	104.90	.63229	.41036
#1	.00033	.00402	.06126	.88792	-.00084	3.2460	.64539	-.00087	173.62	.00990
#2	.00029	.00378	.06216	.91829	-.00059	3.2288	.64244	-.00013	172.07	.00985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00984**	**.00078**	**.18701**	**-.00101**	W **-.00656**	**.68065**	**1.4566**	**.00098**	**.09424**	**.00055**
Stddev	.00095	.00029	.00309	.00406	.00550	.01665	.0356	.00117	.00065	.00000
%RSD	9.6650	37.226	1.6515	402.31	83.908	2.4467	2.4467	118.55	.69470	.09957
#1	.00917	.00057	.18919	-.00388	-.00267	.66888	1.4314	.00181	.09470	.00055
#2	.01051	.00098	.18482	.00186	-.01045	.69243	1.4818	.00016	.09378	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**.00051**	**-.01536**	**.00073**	**.01713**	**.00228**
Stddev	.00032	.00158	.01199	.00019	.00050	.00042
%RSD	12.800	310.48	78.038	26.269	2.9194	18.517
#1	.00228	.00163	-.02384	.00060	.01748	.00198
#2	.00274	-.00061	-.00689	.00087	.01677	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3947.9**	**61156.**	**6210.1**
Stddev	8.3	112.	16.1
%RSD	.20997	.18321	.25872
#1	3942.0	61235.	6198.7
#2	3953.7	61076.	6221.4

Sample Name: 280-27317-a-3-d Acquired: 4/9/2012 20:58:50 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.10999**	**.00064**	**.03339**	**.11172**	**.00006**	**.00187**	**7.4275**	**.00016**	**.00444**
Stddev	.00047	.00006	.00012	.00004	.00099	.00003	.00011	.0524	.00003	.00003
%RSD	53.915	.05512	19.295	.13405	.88250	46.913	6.1298	.70502	15.590	.65776
#1	.00054	.10994	.00073	.03343	.11102	.00009	.00179	7.3905	.00018	.00446
#2	.00120	.11003	.00055	.03336	.11242	.00004	.00195	7.4646	.00014	.00442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00496**	**.08912**	**1.1822**	**.00009**	**1.5667**	**.55300**	**-.00016**	**178.83**	**.00497**
Stddev	.00019	.00054	.00015	.0253	.00091	.0088	.00226	.00035	1.54	.00011
%RSD	45.646	10.862	.16336	2.1358	1058.5	.56330	.40933	219.94	.85938	2.2410
#1	.00028	.00458	.08902	1.2001	.00073	1.5604	.55140	.00009	177.74	.00505
#2	.00055	.00534	.08923	1.1644	-.00056	1.5729	.55460	-.00041	179.92	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12310**	**.00368**	**.21114**	**-.00058**	**-.00222**	**.72001**	**1.5408**	**.00015**	**.07194**	**-.00001**
Stddev	.00002	.00041	.00103	.00133	.00292	.01020	.0218	.00025	.00063	.00025
%RSD	.01703	11.013	.48944	227.28	131.42	1.4171	1.4171	165.58	.87413	5078.6
#1	.12312	.00339	.21041	-.00152	-.00016	.71280	1.5254	.00033	.07149	.00018
#2	.12309	.00397	.21187	.00035	-.00429	.72723	1.5563	-.00003	.07238	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00374**	**.00021**	**.00137**	**.00133**	**.03722**	**.00026**
Stddev	.00007	.00015	.00471	.00020	.00007	.00175
%RSD	1.9317	74.170	344.40	14.817	.20095	662.73
#1	.00368	.00010	.00470	.00119	.03717	.00150
#2	.00379	.00031	-.00196	.00147	.03727	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3945.4**	**61657.**	**6150.6**
Stddev	8.1	261.	62.6
%RSD	.20468	.42394	1.0172
#1	3951.1	61842.	6194.8
#2	3939.7	61472.	6106.4

Sample Name: 280-27317-a-5-f Acquired: 4/9/2012 21:01:13 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.19491**	**.00085**	**.01756**	**.08746**	**.00011**	**.00033**	**7.5633**	**.00005**	**.00302**
Stddev	.00040	.00079	.00030	.00034	.00000	.00005	.00496	.0090	.00008	.00013
%RSD	36.934	.40610	35.367	1.9297	.00262	48.863	1488.6	.11909	158.13	4.2500
#1	.00080	.19547	.00064	.01732	.08746	.00007	-.00317	7.5697	.00010	.00311
#2	.00136	.19435	.00107	.01780	.08745	.00015	.00384	7.5570	-.00001	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00342**	**.14302**	**.99501**	**-.00159**	**1.4617**	**.49239**	**-.00020**	**176.33**	**.00411**
Stddev	.00002	.00007	.00029	.00541	.00117	.0037	.00166	.00017	.00	.00030
%RSD	4.4539	1.9800	.20592	.54394	73.278	.25501	.33622	84.070	.00036	7.2112
#1	.00040	.00347	.14323	.99884	-.00242	1.4591	.49356	-.00032	176.33	.00390
#2	.00038	.00337	.14281	.99118	-.00077	1.4643	.49122	-.00008	176.34	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22693**	**.00053**	**.17517**	**-.00054**	**-.00217**	**.87545**	**1.8735**	**.00037**	**.07066**	**.00035**
Stddev	.00175	.00069	.00007	.00012	.00346	.00729	.0156	.00052	.00010	.00030
%RSD	.77026	129.48	.04249	21.722	159.90	.83232	.83232	139.46	.13650	85.173
#1	.22817	.00004	.17523	-.00062	.00028	.87030	1.8624	.00001	.07059	.00056
#2	.22570	.00102	.17512	-.00046	-.00461	.88061	1.8845	.00074	.07073	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00614**	**-.00013**	**-.01094**	**.00084**	**.01674**	**.00053**
Stddev	.00059	.00064	.02159	.00002	.00106	.00088
%RSD	9.5330	506.91	197.28	1.9487	6.3189	164.87
#1	.00573	-.00057	.00432	.00083	.01599	-.00009
#2	.00656	.00032	-.02620	.00085	.01749	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3928.2**	**61685.**	**6214.8**
Stddev	.7	19.	44.3
%RSD	.01812	.03000	.71343
#1	3928.7	61671.	6246.2
#2	3927.7	61698.	6183.5

Sample Name: 280-27317-a-5-fSD@5 Acquired: 4/9/2012 21:03:37 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.04195**	**-.00053**	**.00385**	**.01744**	**.00005**	**.00223**	**1.5147**	**-.00007**	**.00058**
Stddev	.00052	.00024	.00032	.00022	.00031	.00007	.00093	.0152	.00005	.00012
%RSD	50.915	.57518	60.094	5.6701	1.8029	141.90	41.922	1.0064	75.039	20.975
#1	.00065	.04212	-.00031	.00400	.01722	.00010	.00157	1.5039	-.00011	.00066
#2	.00138	.04178	-.00076	.00369	.01767	.00000	.00289	1.5255	-.00003	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.00065**	**.03405**	**.24410**	**-.00045**	**.31059**	**.09983**	**-.00009**	**35.866**	**.00096**
Stddev	.00003	.00012	.00125	.01852	.00136	.00015	.00044	.00017	.402	.00027
%RSD	5.1958	19.069	3.6657	7.5869	301.53	.04843	.44409	177.87	1.1209	27.900
#1	.00049	-.00074	.03317	.25720	-.00141	.31048	.10014	-.00021	35.582	.00077
#2	.00052	-.00056	.03493	.23101	.00051	.31070	.09951	.00002	36.150	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04726**	**.00085**	**.04643**	**-.00197**	**-.00312**	**.17934**	**.38379**	**.00032**	**.01400**	**.00000**
Stddev	.00318	.00127	.00028	.00172	.00269	.01544	.03304	.00034	.00017	.0005
%RSD	6.7379	149.83	.61112	86.988	86.159	8.6076	8.6076	105.87	1.2384	151600.
#1	.04501	-.00005	.04663	-.00319	-.00503	.19026	.40715	.00008	.01388	.00038
#2	.04951	.00175	.04623	-.00076	-.00122	.16843	.36043	.00056	.01412	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**.00015**	**-.01128**	**.00010**	**.00494**	**-.00028**
Stddev	.00016	.00029	.00109	.00022	.00023	.00047
%RSD	10.000	192.12	9.6559	218.44	4.7421	167.28
#1	.00168	.00036	-.01205	-.00006	.00511	-.00061
#2	.00146	-.00005	-.01051	.00026	.00477	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.3**	**64194.**	**6233.8**
Stddev	10.4	165.	45.0
%RSD	.25603	.25635	.72222
#1	4064.9	64078.	6265.6
#2	4079.7	64310.	6202.0

Sample Name: 280-27317-a-5-g ms Acquired: 4/9/2012 21:06:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20749	.57372	.75006	.20006	2.5935	.00977	F .38985	16.846	.21820	.09600
Stddev	.00085	.00007	.00115	.00141	.0129	.00006	.00014	.077	.00047	.00001
%RSD	.40801	.01255	.15366	.70303	.49649	.56323	.03566	.45734	.21388	.01409
#1	.20689	.57377	.74925	.20105	2.5844	.00981	.38975	16.791	.21787	.09599
#2	.20809	.57367	.75088	.19907	2.6027	.00973	.38995	16.900	.21853	.09601
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0181	.45592	.34520	11.121	.19720	10.305	.56612	.19102	179.94	.09856
Stddev	.0004	.00045	.00091	.071	.00361	.015	.00007	.00034	.68	.00001
%RSD	.04276	.09835	.26278	.63521	1.8294	.14130	.01189	.17795	.37729	.01273
#1	1.0184	.45624	.34456	11.071	.19465	10.315	.56617	.19126	179.46	.09855
#2	1.0178	.45561	.34584	11.171	.19975	10.294	.56608	.19077	180.42	.09857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0957	1.0028	.17335	.08593	.60228	2.8029	5.9982	.37837	.26943	.18077
Stddev	.0018	.0012	.00566	.00270	.00331	.0093	.0199	.00070	.00129	.00194
%RSD	.08542	.11773	3.2674	3.1402	.54973	.33188	.33188	.18428	.47825	1.0736
#1	2.0969	1.0037	.16934	.08402	.60462	2.7963	5.9841	.37787	.26852	.18214
#2	2.0944	1.0020	.17735	.08784	.59993	2.8095	6.0122	.37886	.27034	.17940
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19567	.37449	.38453	.09773	.49352	.08578
Stddev	.00069	.00459	.02321	.00043	.00114	.00084
%RSD	.35046	1.2245	6.0348	.44373	.23049	.97862
#1	.19615	.37774	.40094	.09742	.49432	.08518
#2	.19518	.37125	.36812	.09803	.49271	.08637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3899.0	61251.	6125.5
Stddev	2.7	102.	.2
%RSD	.07034	.16585	.00405
#1	3900.9	61323.	6125.7
#2	3897.1	61179.	6125.3

Sample Name: 280-27317-a-5-h msd Acquired: 4/9/2012 21:08:16 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20238	.55366	.74098	.19512	2.4929	.00937	F .38028	16.255	.21241	.09302
Stddev	.00068	.00347	.00079	.00158	.0026	.00008	.00103	.009	.00103	.00053
%RSD	.33742	.62625	.10626	.81164	.10482	.89316	.27197	.05712	.48588	.57248
#1	.20286	.55611	.74042	.19623	2.4910	.00931	.38102	16.262	.21314	.09339
#2	.20190	.55121	.74154	.19400	2.4947	.00943	.37955	16.249	.21168	.09264
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98315	.44440	.33028	10.675	.18755	9.9913	.54853	.18500	173.49	.09566
Stddev	.00481	.00046	.00047	.020	.00113	.0075	.00086	.00066	.78	.00026
%RSD	.48954	.10253	.14239	.18455	.60203	.07521	.15603	.35867	.44849	.27149
#1	.98655	.44473	.32995	10.689	.18676	9.9966	.54913	.18547	172.94	.09547
#2	.97974	.44408	.33062	10.661	.18835	9.9860	.54792	.18453	174.04	.09584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0332	.97902	.16720	.08471	.57365	2.7062	5.7912	.36736	.25913	.17719
Stddev	.0127	.00225	.00210	.00131	.00494	.0157	.0336	.00340	.00015	.00047
%RSD	.62692	.22934	1.2568	1.5432	.86126	.58010	.58010	.92613	.05860	.26512
#1	2.0422	.98061	.16869	.08563	.57714	2.7173	5.8150	.36976	.25902	.17752
#2	2.0242	.97744	.16571	.08378	.57016	2.6951	5.7675	.36495	.25923	.17686
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19115	.36499	.38024	.09397	.47552	.08465
Stddev	.00088	.00389	.01611	.00078	.00000	.00047
%RSD	.45798	1.0653	4.2372	.83396	.00093	.55303
#1	.19177	.36774	.36885	.09342	.47553	.08498
#2	.19053	.36224	.39163	.09452	.47552	.08432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3894.5	61261.	6182.4
Stddev	15.4	68.	25.3
%RSD	.39579	.11076	.40883
#1	3883.6	61213.	6164.5
#2	3905.4	61309.	6200.3

Sample Name: 280-27317-a-5-fPDS Acquired: 4/9/2012 21:10:31 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04820**	**1.2939**	**.22749**	**.11840**	**.21246**	**.05999**	**-.00175**	**30.826**	**.05950**	**.05969**
Stddev	.00020	.0039	.00723	.00007	.00031	.00003	.00050	.087	.00028	.00001
%RSD	.41308	.30219	3.1792	.06155	.14360	.04617	28.678	.28298	.46869	.02310
#1	.04834	1.2911	.22238	.11835	.21268	.06001	-.00211	30.764	.05930	.05968
#2	.04806	1.2966	.23261	.11845	.21225	.05997	-.00140	30.888	.05970	.05970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05896**	**.06486**	**1.3823**	**25.953**	**.12100**	**23.320**	**.54118**	**.05125**	**199.65**	**.06148**
Stddev	.00018	.00034	.0007	.013	.00128	.087	.00240	.00013	.01	.00032
%RSD	.30032	.52969	.04876	.04892	1.0586	.37521	.44333	.25007	.00346	.52391
#1	.05909	.06462	1.3828	25.944	.12009	23.382	.54288	.05116	199.64	.06171
#2	.05884	.06511	1.3819	25.962	.12190	23.259	.53948	.05134	199.65	.06126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5476**	**.10837**	**.18263**	**.10143**	**.24251**	**6.0374**	**12.920**	**.10105**	**.13424**	**.22606**
Stddev	.0073	.00144	.00525	.00215	.00300	.0113	.024	.00217	.00014	.00087
%RSD	.28720	1.3251	2.8751	2.1233	1.2352	.18753	.18753	2.1476	.10161	.38651
#1	2.5424	.10736	.18634	.10296	.24039	6.0454	12.937	.10258	.13434	.22544
#2	2.5528	.10939	.17891	.09991	.24462	6.0294	12.903	.09951	.13415	.22668
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05816**	**.22758**	**.59826**	**.06191**	**.24224**	**.04318**
Stddev	.00037	.00005	.00780	.00006	.00061	.00049
%RSD	.63123	.02165	1.3034	.09841	.25042	1.1405
#1	.05842	.22762	.60377	.06187	.24267	.04353
#2	.05790	.22755	.59275	.06195	.24181	.04283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3876.7**	**61151.**	**6262.2**
Stddev	12.0	66.	39.4
%RSD	.31071	.10784	.62983
#1	3885.2	61105.	6290.1
#2	3868.2	61198.	6234.3

Sample Name: CCVH-1326164 Acquired: 4/9/2012 21:12:50 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00396**	**53.309**	**-.00117**	**.00184**	**.00045**	**.00003**	**1.0192**	**.00410**	**.00007**	**.00024**	**.00110**	**.00459**
Stddev	.00030	.238	.00040	.00037	.00010	.00002	.0106	.00280	.00006	.00011	.00008	.00009
%RSD	7.5107	.44654	34.062	20.350	21.747	58.747	1.0404	68.342	85.674	45.352	7.1804	1.8914
#1	.00417	53.141	-.00089	.00210	.00052	.00002	1.0267	.00608	.00012	.00032	.00116	.00453
#2	.00375	53.477	-.00145	.00157	.00038	.00004	1.0117	.00212	.00003	.00016	.00105	.00466
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.279**	**.13392**	**-.00145**	**.01498**	**.00006**	**-.00043**	**265.61**	**.00215**	**.00329**	**-.00208**	**5.0084**	**-.00047**
Stddev	.177	.00411	.00084	.00119	.00004	.00013	.99	.00029	.00113	.00102	.0298	.00188
%RSD	.33248	3.0681	58.149	7.9616	66.717	31.454	.37252	13.670	34.379	49.375	.59526	401.60
#1	53.154	.13683	-.00085	.01582	.00008	-.00033	264.92	.00194	.00409	-.00135	5.0295	.00086
#2	53.404	.13102	-.00204	.01414	.00003	-.00052	266.31	.00236	.00249	-.00280	4.9873	-.00179
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00472**	**.00482**	**.01032**	**.00334**	**.00044**	**4.8055**	**.00290**	**.00130**	W **10.553**	**.00291**	**.00135**	**-.19149**
Stddev	.00171	.00401	.00859	.00033	.00004	.0019	.00019	.00016	.025	.00005	.00068	.00027
%RSD	36.246	83.260	83.260	9.9501	8.1984	.03980	6.5996	12.466	.23811	1.7226	50.451	.14333
#1	-.00351	.00766	.01639	.00358	.00046	4.8041	.00277	.00119	10.535	.00295	.00183	-.19169
#2	-.00593	.00198	.00424	.00311	.00041	4.8068	.00304	.00141	10.571	.00288	.00087	-.19130
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3933.3**	**62364.**	**6276.9**
Stddev	.1	288.	35.5
%RSD	.00197	.46227	.56514
#1	3933.3	62568.	6302.0
#2	3933.2	62160.	6251.8

Sample Name: CCV-1343805 Acquired: 4/9/2012 21:15:10 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51999**	**.51535**	**.96257**	**.49776**	**.53675**	**.50776**	**.00122**	**5.1095**	**.50445**	**.50272**	**.50382**	**.51921**	**2.6569**
Stddev	.00053	.00096	.00198	.00225	.00073	.00253	.00202	.0284	.00088	.00062	.00002	.00038	.0011
%RSD	.10172	.18614	.20561	.45169	.13656	.49877	165.80	.55564	.17477	.12309	.00491	.07397	.04227
#1	.52037	.51467	.96117	.49935	.53726	.50956	-.00021	5.1296	.50508	.50229	.50380	.51948	2.6577
#2	.51962	.51603	.96397	.49617	.53623	.50597	.00265	5.0895	.50383	.50316	.50383	.51894	2.6562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.761**	**1.0385**	**20.000**	**.51244**	**.49995**	**5.2691**	**.50457**	**.97619**	**.96448**	**.01659**	**1.0003**	**1.0350**	**5.0439**
Stddev	.076	.0027	.080	.00108	.00044	.0262	.00082	.00261	.00138	.00046	.0036	.0034	.0166
%RSD	.14430	.25722	.40161	.21067	.08823	.49665	.16232	.26719	.14300	2.7857	.35632	.33261	.32880
#1	52.815	1.0404	19.943	.51167	.50026	5.2877	.50515	.97803	.96351	.01626	1.0029	1.0326	5.0556
#2	52.707	1.0366	20.057	.51320	.49963	5.2506	.50399	.97434	.96546	.01691	.99781	1.0375	5.0322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.794**	**1.0166**	**.52830**	**.01378**	**.49847**	**1.0502**	**-.00092**	**.50710**	**.48719**	**.49005**
Stddev	.035	.0035	.00091	.00097	.00172	.0004	.02438	.00158	.00226	.00218
%RSD	.32880	.33995	.17235	7.0230	.34525	.04152	2641.9	.31139	.46419	.44564
#1	10.819	1.0190	.52894	.01310	.49725	1.0499	.01631	.50599	.48559	.49160
#2	10.769	1.0141	.52765	.01446	.49968	1.0505	-.01816	.50822	.48879	.48851
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.1**	**63250.**	**6232.3**
Stddev	11.1	60.	6.5
%RSD	.27618	.09526	.10399
#1	4030.9	63293.	6227.7
#2	4015.2	63207.	6236.9

Sample Name: CCB Acquired: 4/9/2012 21:17:21 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00126**	**.00349**	**.00138**	**.00078**	**-.00008**	**.00008**	**-.00077**	**-.00105**	**.00013**	**-.00012**	**.00000**
Stddev	.00004	.00025	.00213	.00003	.00022	.00004	.00142	.00335	.00008	.00000	.00002
%RSD	3.0268	7.0809	154.09	3.9400	269.05	46.364	184.10	319.43	58.300	3.7144	1983.3
#1	.00123	.00332	.00289	.00076	.00007	.00011	-.00178	-.00341	.00008	-.00012	.00002
#2	.00128	.00367	-.00012	.00080	-.00024	.00006	.00023	.00132	.00019	-.00011	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00177**	**.00427**	**.07003**	**-.00153**	**-.00090**	**.00004**	**.00111**	W **.16623**	**.00015**	**.00169**	**.00252**
Stddev	.00036	.00135	.01101	.00089	.00185	.00002	.00064	.01871	.00007	.00179	.00082
%RSD	20.375	31.522	15.725	58.414	204.29	46.266	57.800	11.254	43.054	105.51	32.612
#1	-.00152	.00522	.07782	-.00090	.00040	.00003	.00066	.17946	.00020	.00043	.00311
#2	-.00203	.00332	.06225	-.00216	-.00221	.00006	.00157	.15300	.00011	.00296	.00194
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00736**	**.00028**	**-.00161**	**.00715**	**.01531**	**.00033**	**.00000**	**.00164**	**.00023**	**.00111**	**-.01718**
Stddev	.00112	.00166	.00294	.00248	.00531	.00020	.00002	.00062	.00008	.00130	.00503
%RSD	15.183	602.03	182.96	34.681	34.681	61.249	719.93	37.890	36.132	116.60	29.265
#1	.00657	-.00090	.00047	.00540	.01155	.00019	-.00001	.00208	.00028	.00203	-.02074
#2	.00815	.00145	-.00369	.00891	.01906	.00048	.00001	.00120	.00017	.00019	-.01363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00002**	**.00188**	**.00066**
Stddev	.00007	.00025	.00098
%RSD	347.02	13.184	150.17
#1	.00003	.00171	-.00004
#2	-.00007	.00206	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.1**	**64664.**	**6086.0**
Stddev	6.1	256.	10.7
%RSD	.15195	.39582	.17587
#1	4043.4	64483.	6093.6
#2	4034.8	64845.	6078.4

Sample Name: CCVL-1351092 Acquired: 4/9/2012 21:19:46 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01142**	**.10647**	**.01366**	**.09257**	**.01112**	**.00108**	**.10856**	**.21203**	**.00502**	**.01029**	**.01027**	**.01366**	**.11385**
Stddev	.00016	.00013	.00030	.00062	.00007	.00007	.00008	.00125	.00000	.00018	.00002	.00008	.00354
%RSD	1.3920	.12373	2.1658	.66727	.60588	6.8523	.07112	.58838	.07904	1.7888	.20218	.59580	3.1062
#1	.01153	.10637	.01345	.09300	.01117	.00113	.10861	.21115	.00502	.01016	.01028	.01361	.11635
#2	.01130	.10656	.01387	.09213	.01108	.00103	.10850	.21291	.00501	.01042	.01025	.01372	.11134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3619**	**.00999**	**.20310**	**.01067**	**.01949**	**1.2610**	**.04108**	**2.6952**	**.01106**	**.00781**	**.00966**	**.01196**	**.49955**
Stddev	.0022	.00175	.00554	.00020	.00008	.0105	.00028	.0037	.00041	.00328	.00024	.00261	.00121
%RSD	.06445	17.488	2.7261	1.8572	.39173	.83487	.67467	.13566	3.6634	42.034	2.4415	21.861	.24277
#1	3.3634	.00876	.19919	.01053	.01943	1.2536	.04128	2.6926	.01135	.01013	.00949	.01381	.49869
#2	3.3604	.01123	.20702	.01081	.01954	1.2685	.04088	2.6978	.01077	.00549	.00982	.01011	.50041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0690**	**.10104**	**.01091**	**.01584**	**.01019**	**.01532**	F **.08209**	**.01009**	**.02136**	**.01473**
Stddev	.0026	.00171	.00001	.00136	.00030	.00089	.00192	.00016	.00015	.00049
%RSD	.24277	1.6903	.08267	8.5877	2.9449	5.8001	2.3419	1.5982	.68936	3.3086
#1	1.0672	.10225	.01090	.01488	.00998	.01470	.08073	.00998	.02146	.01439
#2	1.0709	.09983	.01091	.01680	.01040	.01595	.08345	.01020	.02126	.01508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.9**	**64939.**	**6095.2**
Stddev	.9	185.	39.1
%RSD	.02144	.28516	.64212
#1	4073.5	65070.	6067.5
#2	4072.3	64808.	6122.8

Sample Name: mb 280-114547/1-a Acquired: 4/9/2012 21:22:09 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.00306**	**.00076**	**.00015**	**.00003**	**.00006**	**.00013**	**.00302**	**-.00002**	**-.00019**
Stddev	.00040	.00023	.00354	.00006	.00009	.00008	.00289	.00048	.00009	.00006
%RSD	35.043	7.3613	464.42	36.345	305.20	147.20	2296.4	15.891	442.87	29.157
#1	.00142	.00322	-.00174	.00011	.00009	.00012	-.00192	.00268	-.00008	-.00023
#2	.00085	.00290	.00326	.00019	-.00003	.00000	.00217	.00336	.00004	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00171**	**.00691**	**.04717**	**-.00298**	**.00084**	**.00004**	**.00014**	**.13654**	**-.00004**
Stddev	.00004	.00037	.00190	.01502	.00168	.00094	.00002	.00021	.00086	.00028
%RSD	148.71	21.821	27.453	31.844	56.147	112.09	49.435	150.44	.62660	764.22
#1	.00005	-.00197	.00557	.03655	-.00417	.00150	.00002	-.00001	.13715	.00016
#2	.00000	-.00145	.00826	.05779	-.00180	.00017	.00005	.00029	.13594	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00057**	F **.01110**	**-.00112**	**-.00341**	F **-.01049**	**-.02245**	**.00029**	**-.00004**	**.00209**
Stddev	.00169	.00030	.00237	.00028	.00113	.00818	.01751	.00032	.00000	.00106
%RSD	361.68	51.981	21.377	24.755	33.006	77.996	77.996	111.69	7.2367	50.874
#1	-.00073	.00078	.01277	-.00131	-.00421	-.00470	-.01007	.00051	-.00004	.00134
#2	.00166	.00036	.00942	-.00092	-.00262	-.01627	-.03482	.00006	-.00004	.00284
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00003**	**-.01062**	**.00003**	**.00301**	**.00141**
Stddev	.00003	.00100	.00564	.00021	.00020	.00057
%RSD	6.9686	3872.8	53.117	600.97	6.6470	40.158
#1	.00047	-.00068	-.00663	-.00011	.00315	.00182
#2	.00043	.00073	-.01461	.00018	.00287	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4113.4**	**65770.**	**6144.5**
Stddev	19.6	1149.	34.6
%RSD	.47670	1.7468	.56332
#1	4127.3	66582.	6169.0
#2	4099.6	64957.	6120.0

Sample Name: lcs 280-114547/2-a Acquired: 4/9/2012 21:24:35 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05516**	**1.9234**	**.98489**	**.99734**	**2.1612**	**.05184**	**2.1312**	**50.777**	**.10360**	**.49863**
Stddev	.00008	.0233	.00742	.01602	.0053	.00013	.0357	.050	.00124	.00624
%RSD	.14082	1.2097	.75349	1.6063	.24541	.24577	1.6728	.09846	1.1927	1.2522
#1	.05511	1.9069	.97965	.98602	2.1650	.05193	2.1060	50.812	.10273	.49422
#2	.05522	1.9398	.99014	1.0087	2.1575	.05175	2.1564	50.742	.10448	.50305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20401**	**.26498**	**1.0654**	**53.718**	**1.0561**	**49.675**	**.52353**	**1.0263**	**54.009**	**.50685**
Stddev	.00266	.00034	.0089	.147	.0023	.054	.00058	.0128	.454	.00658
%RSD	1.3052	.12851	.83938	.27370	.21379	.10865	.11000	1.2489	.84144	1.2974
#1	.20213	.26474	1.0717	53.822	1.0577	49.713	.52394	1.0172	54.330	.50220
#2	.20590	.26522	1.0591	53.614	1.0545	49.637	.52312	1.0353	53.687	.51150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.037**	**.48089**	**.02015**	**.48931**	**2.0916**	**10.278**	F **21.995**	**2.0401**	**1.0801**	**.99000**
Stddev	.145	.00714	.00178	.00982	.0309	.055	.118	.0274	.0028	.00199
%RSD	1.4434	1.4855	8.8472	2.0074	1.4768	.53672	.53672	1.3440	.25802	.20133
#1	9.9349	.47584	.02142	.48237	2.0698	10.317	22.078	2.0207	1.0820	.98859
#2	10.140	.48595	.01889	.49626	2.1135	10.239	21.911	2.0595	1.0781	.99141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0260**	**2.0480**	**2.2293**	**.52114**	**.48711**	**.45741**
Stddev	.0005	.0333	.0081	.00091	.00161	.00321
%RSD	.04463	1.6235	.36280	.17475	.33058	.70099
#1	1.0256	2.0245	2.2350	.52178	.48825	.45967
#2	1.0263	2.0715	2.2236	.52050	.48597	.45514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3868.7**	**61100.**	**6161.6**
Stddev	29.2	23.	33.6
%RSD	.75467	.03812	.54452
#1	3889.3	61084.	6137.9
#2	3848.0	61117.	6185.3

Sample Name: 280-27302-c-1-a Acquired: 4/9/2012 21:26:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00300**	**.00073**	**.00123**	**-.00007**	**.00001**	**.00091**	**.01974**	**-.00001**	**-.00008**
Stddev	.00026	.00001	.00067	.00011	.00009	.00003	.00015	.00119	.00012	.00008
%RSD	23.743	.40751	91.750	9.3205	134.87	401.22	16.595	6.0100	1562.0	101.90
#1	.00127	.00299	.00120	.00131	.00000	.00003	.00102	.02058	.00008	-.00014
#2	.00091	.00301	.00025	.00115	-.00013	-.00001	.00080	.01890	-.00009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00120**	**.00721**	**.05528**	**-.00144**	**.00365**	**.00083**	**.00151**	**.16256**	**.00023**
Stddev	.00007	.00029	.00054	.03577	.00174	.00025	.00000	.00074	.00427	.00026
%RSD	18.882	24.291	7.4980	64.698	120.94	6.8675	.21468	48.576	2.6250	112.41
#1	.00031	-.00141	.00683	.08057	-.00021	.00383	.00083	.00099	.15954	.00042
#2	.00040	-.00099	.00759	.02999	-.00267	.00348	.00083	.00203	.16557	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00240**	**.00107**	**.01106**	**-.00041**	**.00139**	**-.01007**	**-.02155**	**.00133**	**.00001**	**.00137**
Stddev	.00034	.00007	.00299	.00180	.00010	.00089	.00189	.00039	.00001	.00024
%RSD	14.142	6.7704	27.033	441.05	7.0086	8.7879	8.7879	29.357	257.06	17.251
#1	.00264	.00112	.01317	.00087	.00132	-.01070	-.02289	.00160	.00000	.00153
#2	.00216	.00102	.00895	-.00169	.00146	-.00945	-.02022	.00105	.00002	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00154**	**-.01149**	**-.00001**	**.00286**	**.00059**
Stddev	.00021	.00153	.00910	.00006	.00014	.00006
%RSD	20.413	99.180	79.271	434.98	5.0062	10.003
#1	.00118	.00046	-.01792	-.00006	.00297	.00063
#2	.00088	.00262	-.00505	.00003	.00276	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4111.2**	**65879.**	**6295.0**
Stddev	.1	323.	74.8
%RSD	.00318	.48976	1.1890
#1	4111.1	66107.	6347.9
#2	4111.3	65650.	6242.0

Sample Name: 280-27302-c-1-aSD@5 Acquired: 4/9/2012 21:29:11 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00150**	**.00108**	**.00003**	**-.00006**	**.00002**	**.00125**	**.00920**	**-.00025**	**-.00017**
Stddev	.00024	.00039	.00051	.00086	.00016	.00001	.00100	.00078	.00016	.00001
%RSD	26.210	25.774	46.797	2519.2	259.17	47.406	80.397	8.4233	63.618	7.0854
#1	.00076	.00123	.00144	-.00057	-.00018	.00003	.00054	.00975	-.00036	-.00017
#2	.00110	.00178	.00072	.00064	.00005	.00001	.00196	.00866	-.00014	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00134**	**.00567**	**.04389**	**-.00032**	**.00354**	**.00024**	**.00001**	**.13595**	**.00046**
Stddev	.00008	.00009	.00064	.02334	.00066	.00001	.00002	.00008	.00599	.00033
%RSD	18.596	7.0350	11.316	53.176	202.89	.17662	9.7633	623.78	4.4080	72.623
#1	.00038	-.00127	.00613	.02739	.00014	.00355	.00022	-.00004	.13171	.00022
#2	.00049	-.00141	.00522	.06040	-.00079	.00354	.00025	.00007	.14019	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**-.00075**	**.01097**	**-.00360**	**.00036**	**-.00923**	**-.01975**	**.00005**	**.00003**	**.00048**
Stddev	.00035	.00052	.00306	.00317	.00459	.00716	.01531	.00088	.00004	.00127
%RSD	22.806	68.630	27.911	88.174	1275.3	77.529	77.529	1653.4	119.70	266.63
#1	.00178	-.00039	.01313	-.00584	.00360	-.01429	-.03058	.00068	.00001	.00138
#2	.00129	-.00112	.00880	-.00135	-.00288	-.00417	-.00892	-.00057	.00006	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00052**	**.01518**	**.00012**	**.00268**	**.00074**
Stddev	.00004	.00035	.02261	.00051	.00057	.00102
%RSD	9.5759	67.493	148.99	431.72	21.282	138.50
#1	.00040	.00027	-.00081	.00048	.00228	.00002
#2	.00035	.00077	.03116	-.00024	.00308	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4124.3**	**65636.**	**6234.7**
Stddev	20.3	313.	44.4
%RSD	.49121	.47714	.71275
#1	4138.6	65857.	6266.1
#2	4109.9	65414.	6203.3

Sample Name: 280-27302-c-1-b ms Acquired: 4/9/2012 21:31:36 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05494**	**1.8944**	**.96219**	**.97810**	**2.1312**	**.05091**	F **2.0899**	**49.601**	**.10125**	**.48925**
Stddev	.00004	.0066	.00833	.00417	.0044	.00040	.0161	.317	.00020	.00220
%RSD	.07633	.34931	.86557	.42627	.20695	.79501	.76852	.64002	.19402	.44901
#1	.05491	1.8897	.95630	.97515	2.1280	.05062	2.0785	49.376	.10111	.48769
#2	.05497	1.8991	.96808	.98105	2.1343	.05120	2.1012	49.825	.10138	.49080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20002**	**.26354**	**1.0682**	**53.008**	**1.0335**	**49.209**	**.51997**	**1.0063**	**53.171**	**.49755**
Stddev	.00074	.00185	.0164	.110	.0027	.348	.00367	.0022	.114	.00099
%RSD	.36870	.70098	1.5330	.20800	.25966	.70744	.70591	.21485	.21444	.19935
#1	.19950	.26223	1.0566	52.930	1.0316	48.963	.51738	1.0048	53.252	.49685
#2	.20054	.26485	1.0797	53.086	1.0354	49.456	.52257	1.0078	53.091	.49825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8391**	**.47068**	**.02047**	**.47768**	**2.0409**	**10.092**	**21.598**	**2.0000**	**1.0675**	**.98216**
Stddev	.0310	.00024	.00041	.00544	.0116	.038	.082	.0040	.0027	.00269
%RSD	.31552	.05113	2.0164	1.1385	.56703	.38141	.38141	.19876	.25077	.27403
#1	9.8171	.47085	.02076	.47384	2.0327	10.065	21.540	1.9971	1.0656	.98026
#2	9.8611	.47051	.02018	.48153	2.0491	10.120	21.656	2.0028	1.0694	.98406
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0128**	**2.0086**	**2.2022**	**.51475**	**.48124**	**.45095**
Stddev	.0066	.0046	.0307	.00320	.00333	.00366
%RSD	.65074	.23034	1.3938	.62104	.69218	.81067
#1	1.0082	2.0054	2.1805	.51249	.47888	.44836
#2	1.0175	2.0119	2.2239	.51701	.48359	.45353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3907.6**	**61287.**	**6224.3**
Stddev	8.3	391.	9.8
%RSD	.21357	.63730	.15773
#1	3913.5	61563.	6231.2
#2	3901.7	61010.	6217.3

Sample Name: 280-27302-c-1-c msd Acquired: 4/9/2012 21:33:46 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05533**	**1.9025**	**.97992**	**.98096**	**2.1568**	**.05135**	F **2.1073**	**50.049**	**.10195**	**.49245**
Stddev	.00019	.0002	.00815	.00424	.0041	.00005	.0095	.202	.00094	.00100
%RSD	.33531	.00885	.83198	.43203	.18847	.10677	.45164	.40422	.92612	.20211
#1	.05546	1.9024	.97416	.97797	2.1597	.05139	2.1006	50.192	.10128	.49174
#2	.05520	1.9026	.98569	.98396	2.1540	.05131	2.1140	49.906	.10262	.49315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20123**	**.26371**	**1.0690**	**53.613**	**1.0433**	**49.596**	**.52504**	**1.0132**	**53.908**	**.50159**
Stddev	.00077	.00185	.0013	.107	.0024	.160	.00112	.0025	.019	.00022
%RSD	.38227	.70150	.12152	.19937	.22932	.32168	.21309	.24390	.03494	.04412
#1	.20069	.26502	1.0699	53.688	1.0450	49.483	.52425	1.0114	53.921	.50143
#2	.20177	.26240	1.0681	53.537	1.0416	49.708	.52583	1.0149	53.895	.50175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9104**	**.47452**	**.02220**	**.48024**	**2.0617**	**10.124**	**21.665**	W **2.0074**	**1.0795**	**.99119**
Stddev	.0539	.00071	.00665	.00003	.0173	.003	.006	.0037	.0017	.00186
%RSD	.54412	.14959	29.965	.00702	.83969	.02739	.02739	.18673	.15560	.18788
#1	9.8723	.47402	.02690	.48022	2.0495	10.126	21.669	2.0100	1.0807	.98987
#2	9.9486	.47502	.01749	.48027	2.0740	10.122	21.660	2.0047	1.0783	.99251
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0182**	**2.0207**	**2.2165**	**.52010**	**.48474**	**.45103**
Stddev	.0015	.0028	.0316	.00106	.00375	.00435
%RSD	.15089	.13853	1.4276	.20311	.77412	.96364
#1	1.0171	2.0187	2.1941	.51935	.48208	.45410
#2	1.0193	2.0226	2.2389	.52084	.48739	.44796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3930.8**	**61471.**	**6297.8**
Stddev	4.5	11.	18.7
%RSD	.11471	.01819	.29757
#1	3934.0	61463.	6284.5
#2	3927.6	61479.	6311.0

Sample Name: 280-27302-c-1-aPDS Acquired: 4/9/2012 21:35:55 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04847**	**1.1738**	**.22376**	**.10061**	**.12673**	**.05967**	**-.00178**	**23.631**	**.05861**	**.05838**
Stddev	.00101	.0022	.00508	.00064	.00013	.00016	.00167	.030	.00002	.00051
%RSD	2.0746	.18591	2.2716	.63594	.09968	.27301	94.017	.12807	.03856	.87930
#1	.04918	1.1723	.22016	.10015	.12664	.05979	-.00296	23.610	.05862	.05874
#2	.04776	1.1754	.22735	.10106	.12682	.05956	-.00060	23.652	.05859	.05801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05996**	**.06037**	**1.2624**	**25.164**	**.12208**	**23.264**	**.06305**	**.05264**	**25.554**	**.05899**
Stddev	.00012	.00064	.0053	.053	.00136	.187	.00080	.00048	.124	.00007
%RSD	.20261	1.0596	.41808	.21131	1.1125	.80297	1.2737	.90581	.48548	.12489
#1	.06004	.06083	1.2586	25.126	.12112	23.396	.06361	.05231	25.642	.05894
#2	.05987	.05992	1.2661	25.202	.12304	23.132	.06248	.05298	25.467	.05904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2703**	**.11222**	**.01672**	**.10016**	**.23748**	**5.1384**	**10.996**	**.10406**	**.06492**	**.22912**
Stddev	.0012	.00102	.00027	.00120	.00429	.0231	.049	.00061	.00013	.00102
%RSD	.05409	.90815	1.6435	1.1979	1.8068	.44936	.44936	.58625	.20147	.44446
#1	2.2695	.11150	.01652	.09931	.23445	5.1548	11.031	.10363	.06483	.22984
#2	2.2712	.11294	.01691	.10100	.24051	5.1221	10.961	.10449	.06501	.22840
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05316**	**.24634**	**.62847**	**.06104**	**.23618**	**.04115**
Stddev	.00027	.00042	.00902	.00138	.00079	.00181
%RSD	.50758	.17188	1.4357	2.2608	.33354	4.4026
#1	.05335	.24664	.62209	.06201	.23674	.04243
#2	.05297	.24604	.63485	.06006	.23563	.03987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3980.9**	**62171.**	**6107.5**
Stddev	8.8	541.	7.8
%RSD	.22228	.87004	.12763
#1	3974.6	61789.	6113.0
#2	3987.1	62554.	6102.0

Sample Name: 280-27305-a-16-a Acquired: 4/9/2012 21:38:13 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.00218**	**-.00046**	**.00081**	**-.00008**	**.00006**	**-.00084**	**.02689**	**.00001**	**-.00012**
Stddev	.00011	.00002	.00212	.00019	.00015	.00007	.00039	.00239	.00001	.00004
%RSD	10.986	1.0320	461.10	23.407	193.16	118.22	46.796	8.8713	148.64	35.619
#1	.00107	.00219	.00104	.00094	-.00018	.00011	-.00056	.02520	.00002	-.00009
#2	.00091	.00216	-.00196	.00067	.00003	.00001	-.00112	.02857	.00000	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00124**	**.00509**	**.08055**	**.00028**	**.00261**	**.00057**	**.00046**	**.17283**	**.00024**
Stddev	.00013	.00008	.00263	.00747	.00066	.00109	.00002	.00006	.00324	.00047
%RSD	309.92	6.5950	51.664	9.2797	237.02	41.783	3.8733	13.032	1.8720	194.77
#1	.00013	-.00118	.00323	.07526	-.00019	.00184	.00056	.00041	.17055	.00057
#2	-.00005	-.00130	.00695	.08583	.00075	.00338	.00059	.00050	.17512	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00029**	**.00893**	**.00051**	**-.00458**	**-.00161**	**-.00345**	**-.00032**	**.00002**	**-.00036**
Stddev	.00183	.00176	.00284	.00153	.00052	.01631	.03490	.00011	.00011	.00039
%RSD	494.97	612.03	31.809	300.49	11.399	1011.7	1011.7	34.716	453.90	108.35
#1	-.00092	.00153	.01094	.00159	-.00421	-.01314	-.02813	-.00040	.00010	-.00008
#2	.00166	-.00096	.00692	-.00057	-.00494	.00992	.02123	-.00024	-.00005	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00074**	**.00648**	**-.00005**	**.00423**	**-.00083**
Stddev	.00005	.00014	.00178	.00014	.00034	.00030
%RSD	6.6422	19.384	27.417	281.49	8.1281	35.996
#1	.00078	.00084	.00522	-.00014	.00447	-.00104
#2	.00085	.00064	.00773	.00005	.00399	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4112.7**	**64782.**	**6189.8**
Stddev	6.6	27.	42.6
%RSD	.16048	.04130	.68770
#1	4117.3	64763.	6219.9
#2	4108.0	64801.	6159.7

Sample Name: 280-27334-a-42-a Acquired: 4/9/2012 21:40:38 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114547 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00228**	**-.00087**	**.00043**	**-.00008**	**.00006**	**-.00185**	**.01177**	**.00000**	**-.00002**
Stddev	.00008	.00002	.00272	.00091	.00001	.00003	.00058	.00109	.00013	.00011
%RSD	9.8902	.82509	313.39	210.72	9.9056	45.319	31.243	9.2959	74023.	618.36
#1	.00088	.00226	-.00279	.00108	-.00008	.00004	-.00144	.01255	.00009	-.00010
#2	.00077	.00229	.00106	-.00021	-.00007	.00009	-.00225	.01100	-.00009	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00155**	**.00221**	**.04682**	**-.00197**	**.00137**	**.00020**	**-.00006**	**.16189**	**.00024**
Stddev	.00015	.00008	.00066	.01571	.00179	.00045	.00003	.00030	.00155	.00020
%RSD	105.22	4.9258	29.688	33.559	91.144	32.813	15.265	526.47	.95755	85.477
#1	.00004	-.00149	.00175	.05793	-.00070	.00168	.00022	-.00027	.16080	.00038
#2	.00024	-.00160	.00268	.03571	-.00323	.00105	.00018	.00016	.16299	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00091**	**.01131**	**-.00087**	**.00148**	**.00358**	**.00765**	**.00011**	**.00002**	**.00190**
Stddev	.00183	.00087	.00303	.00005	.00055	.00634	.01358	.00004	.00004	.00038
%RSD	255.07	95.579	26.831	5.4080	37.566	177.38	177.38	39.696	211.45	19.847
#1	-.00058	.00153	.00916	-.00084	.00108	-.00091	-.00195	.00008	-.00001	.00216
#2	.00201	.00030	.01345	-.00091	.00187	.00806	.01725	.00014	.00005	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00042**	**-.01266**	**-.00055**	**.00237**	**.00138**
Stddev	.00017	.00125	.01224	.00014	.00018	.00069
%RSD	58.739	296.45	96.635	26.120	7.6946	49.948
#1	.00041	.00046	-.00401	-.00045	.00224	.00187
#2	.00017	-.00130	-.02132	-.00066	.00250	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4134.3**	**65006.**	**6127.2**
Stddev	3.5	263.	38.4
%RSD	.08513	.40476	.62659
#1	4136.8	64820.	6100.1
#2	4131.8	65192.	6154.4

Sample Name: CCVH-1326164 Acquired: 4/9/2012 21:43:03 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**52.250**	**-.00252**	**.00255**	**.00034**	**.00010**	**.99305**	**-.00229**	**-.00007**	**.00024**	**.00102**	**.00448**
Stddev	.00004	.109	.00241	.00007	.00005	.00008	.00099	.00175	.00007	.00014	.00022	.00010
%RSD	1.1595	.20811	95.406	2.6496	14.043	79.736	.09928	76.171	103.23	58.326	21.560	2.1222
#1	.00386	52.327	-.00423	.00259	.00037	.00016	.99236	-.00353	-.00002	.00034	.00118	.00454
#2	.00380	52.173	-.00082	.00250	.00030	.00005	.99375	-.00106	-.00012	.00014	.00087	.00441
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.572**	**.05827**	**-.00090**	**.01286**	**-.00013**	**-.00038**	**260.09**	**.00237**	**.00352**	**-.00369**	**4.9020**	**-.00264**
Stddev	.130	.03118	.00002	.00407	.00002	.00006	.06	.00010	.00163	.00048	.0000	.00229
%RSD	.24718	53.518	1.6928	31.645	15.170	16.808	.02400	4.1425	46.272	12.959	.00064	86.775
#1	52.664	.03622	-.00091	.00998	-.00012	-.00042	260.05	.00244	.00237	-.00335	4.9020	-.00102
#2	52.480	.08032	-.00089	.01574	-.00014	-.00033	260.13	.00230	.00468	-.00403	4.9019	-.00426
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00188**	**.00112**	**.00239**	**.00206**	**.00040**	**4.8571**	**.00276**	**.00166**	W **10.634**	**.00322**	**.00163**	**-.19599**
Stddev	.00044	.00814	.01742	.00026	.00001	.0712	.00002	.00107	.127	.00005	.00053	.00506
%RSD	23.283	727.59	727.59	12.577	1.8655	1.4661	.59699	64.617	1.1982	1.5590	32.850	2.5814
#1	-.00219	.00687	.01471	.00188	.00041	4.8068	.00277	.00090	10.544	.00325	.00200	-.19241
#2	-.00157	-.00464	-.00992	.00225	.00040	4.9075	.00275	.00241	10.725	.00318	.00125	-.19957
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3966.7**	**60830.**	**6163.9**
Stddev	6.3	713.	20.6
%RSD	.15784	1.1729	.33382
#1	3971.2	61334.	6178.4
#2	3962.3	60325.	6149.3

Sample Name: CCV-1343805 Acquired: 4/9/2012 21:45:23 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51781**	**.51877**	**.96719**	**.49608**	**.53472**	**.50678**	**-.00012**	**5.0982**	**.50165**	**.50405**	**.50352**	**.50947**	**2.6707**
Stddev	.00580	.00041	.00316	.00069	.00748	.00842	.00093	.0755	.00136	.00029	.00017	.00649	.0339
%RSD	1.1206	.07969	.32706	.13816	1.3983	1.6612	789.94	1.4806	.27086	.05778	.03462	1.2731	1.2706
#1	.51371	.51848	.96943	.49656	.52943	.50083	-.00077	5.0448	.50261	.50425	.50339	.50488	2.6467
#2	.52191	.51906	.96496	.49559	.54000	.51273	.00054	5.1516	.50069	.50384	.50364	.51406	2.6947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.858**	**1.0254**	**20.239**	**.51589**	**.49755**	**5.1732**	**.50511**	**.98120**	**.97516**	**.01196**	**.99520**	**1.0350**	**5.0102**
Stddev	.750	.0159	.228	.00496	.00138	.0861	.00070	.00552	.00062	.00324	.00074	.0083	.0580
%RSD	1.4184	1.5528	1.1283	.96230	.27796	1.6641	.13774	.56259	.06353	27.106	.07427	.80236	1.1574
#1	52.328	1.0142	20.077	.51238	.49853	5.1124	.50560	.98511	.97472	.00966	.99467	1.0409	4.9692
#2	53.388	1.0367	20.400	.51940	.49658	5.2341	.50461	.97730	.97560	.01425	.99572	1.0291	5.0512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.722**	**1.0157**	**.52831**	**.01176**	**.49443**	**1.0474**	**-.00878**	**.50541**	**.49374**	**.48750**
Stddev	.124	.0011	.00801	.00194	.00330	.0024	.00927	.00239	.00081	.01034
%RSD	1.1574	.10808	1.5168	16.510	.66741	.22845	105.56	.47357	.16316	2.1202
#1	10.634	1.0149	.52265	.01314	.49210	1.0491	-.01533	.50372	.49317	.48020
#2	10.810	1.0164	.53398	.01039	.49676	1.0457	-.00223	.50711	.49431	.49481
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4038.7**	**63294.**	**6223.7**
Stddev	8.5	569.	36.1
%RSD	.21022	.89963	.57997
#1	4044.7	63696.	6249.2
#2	4032.7	62891.	6198.1

Sample Name: CCB Acquired: 4/9/2012 21:47:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00122**	**.00137**	**.00048**	**.00027**	**.00009**	**.00016**	**.00856**	**-.00014**	**-.00020**	**.00013**	**-.00116**
Stddev	.00030	.00019	.00159	.00019	.00017	.00004	.00094	.00030	.00009	.00016	.00015	.00019
%RSD	32.998	15.592	116.30	40.837	61.313	46.712	596.25	3.4689	66.190	78.610	113.67	16.336
#1	.00071	.00135	.00249	.00034	.00039	.00006	-.00051	.00835	-.00007	-.00031	.00024	-.00102
#2	.00113	.00108	.00024	.00061	.00015	.00011	.00082	.00877	-.00021	-.00009	.00003	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**.04596**	**-.00026**	**-.00029**	**.00004**	**.00110**	W **.11360**	**.00006**	**.00238**	**.00053**	**.00837**	**-.00036**
Stddev	.00159	.01585	.00113	.00040	.00005	.00062	.00348	.00015	.00134	.00066	.00202	.00065
%RSD	45.805	34.484	434.60	141.30	138.08	56.372	3.0654	269.42	56.456	125.90	24.152	182.26
#1	.00235	.03475	-.00106	-.00057	.00000	.00066	.11114	.00017	.00332	.00006	.00980	.00010
#2	.00461	.05716	.00054	.00000	.00007	.00154	.11606	-.00005	.00143	.00099	.00694	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**-.00770**	**-.01647**	**.00089**	**.00001**	**.00047**	**.00019**	**-.00001**	**-.00206**	**.00013**	**.00197**	**.00179**
Stddev	.00264	.01787	.03824	.00037	.00001	.00076	.00027	.00095	.03758	.00002	.00039	.00246
%RSD	170.81	232.18	232.18	41.505	131.00	162.22	145.32	17720.	1826.3	11.924	20.000	137.39
#1	.00032	.00494	.01057	.00063	.00002	-.00007	.00038	.00066	.02452	.00014	.00170	.00353
#2	-.00341	-.02033	-.04351	.00115	.00000	.00101	-.00001	-.00068	-.02863	.00012	.00225	.00005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4102.1**	**63943.**	**6092.9**
Stddev	33.6	261.	26.5
%RSD	.81932	.40839	.43452
#1	4125.9	63758.	6111.6
#2	4078.4	64127.	6074.1

Sample Name: CCVL-1351092 Acquired: 4/9/2012 21:49:59 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01116**	**.10532**	**.01545**	**.09176**	**.01090**	**.00106**	**.10727**	**.20384**	**.00502**	**.01041**	**.01031**	**.01402**	**.10508**	**3.2793**
Stddev	.00041	.00057	.00376	.00086	.00019	.00008	.00293	.00128	.00015	.00015	.00001	.00029	.00220	.0022
%RSD	3.6763	.54486	24.349	.93511	1.7216	7.8815	2.7336	.63019	3.0382	1.4729	.06743	2.0417	2.0954	.06784
#1	.01087	.10573	.01811	.09237	.01103	.00101	.10935	.20475	.00513	.01030	.01030	.01423	.10663	3.2778
#2	.01145	.10492	.01279	.09116	.01077	.00112	.10520	.20293	.00491	.01052	.01031	.01382	.10352	3.2809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	**.20686**	**.01071**	**.01938**	**1.1591**	**.04122**	**2.7027**	**.01014**	**.01067**	**.00908**	**.01132**	**.46649**	**.99828**	**.10142**
Stddev	.00089	.00062	.00000	.00026	.0066	.00029	.0183	.00034	.00144	.00190	.00364	.00513	.01097	.00093
%RSD	8.2715	.30212	.01721	1.3506	.57118	.69260	.67688	3.3678	13.477	20.875	32.177	1.0988	1.0988	.91772
#1	.01008	.20730	.01071	.01919	1.1638	.04102	2.7156	.01038	.00965	.00774	.01390	.47011	1.0060	.10076
#2	.01133	.20642	.01071	.01956	1.1544	.04142	2.6897	.00990	.01169	.01042	.00874	.46286	.99053	.10208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01084**	**.01529**	**.01002**	**.01587**	**.05860**	**.01046**	**.02136**	**.01341**
Stddev	.00002	.00021	.00038	.00001	.01256	.00002	.00011	.00044
%RSD	.18407	1.3920	3.7766	.04537	21.434	.19438	.50959	3.2920
#1	.01086	.01514	.01029	.01587	.06749	.01044	.02143	.01310
#2	.01083	.01544	.00975	.01586	.04972	.01047	.02128	.01372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4113.3**	**64871.**	**6220.6**
Stddev	10.5	418.	16.6
%RSD	.25530	.64459	.26712
#1	4105.9	64576.	6232.4
#2	4120.8	65167.	6208.9

Sample Name: mb 280-114499/1-b Acquired: 4/9/2012 21:52:22 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00386**	**-.00245**	**.00098**	**.00058**	**-.00003**	**.00016**	**.00431**	**-.00007**	**-.00014**
Stddev	.00024	.00060	.00016	.00048	.00000	.00001	.00324	.00062	.00011	.00008
%RSD	36.229	15.527	6.5302	48.439	.67743	56.072	2008.4	14.470	157.55	58.720
#1	.00050	.00344	-.00234	.00132	.00058	-.00002	.00245	.00387	.00001	-.00020
#2	.00085	.00429	-.00256	.00064	.00058	-.00004	-.00213	.00475	-.00015	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00151**	**.00442**	**.03480**	**-.00085**	**-.00069**	**.00006**	**.00000**	**.10018**	**.00035**
Stddev	.00018	.00011	.00006	.01114	.00122	.00020	.00001	.00010	.00646	.00031
%RSD	253.26	7.6259	1.3092	32.008	143.91	28.648	24.498	4509.2	6.4483	88.802
#1	.00006	-.00143	.00446	.04268	-.00171	-.00055	.00007	-.00007	.10475	.00013
#2	-.00020	-.00159	.00438	.02693	.00001	-.00083	.00005	.00007	.09562	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00231**	**.00115**	F **.01481**	**-.00173**	**-.00034**	F **-.01106**	**-.02366**	**.00055**	**-.00004**	**.00015**
Stddev	.00045	.00030	.00730	.00126	.00402	.00651	.01393	.00026	.00010	.00076
%RSD	19.697	25.787	49.293	72.741	1172.2	58.882	58.882	46.453	234.68	499.85
#1	.00198	.00136	.01998	-.00263	-.00319	-.00645	-.01381	.00074	-.00011	.00069
#2	.00263	.00094	.00965	-.00084	.00250	-.01566	-.03351	.00037	.00003	-.00038
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00149**	**.00505**	**-.00005**	**.00264**	**-.00032**
Stddev	.00012	.00020	.00583	.00032	.00007	.00090
%RSD	31.051	13.243	115.42	592.75	2.8226	284.71
#1	.00029	.00135	.00093	-.00028	.00259	.00032
#2	.00046	.00163	.00918	.00017	.00270	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4155.4**	**65726.**	**6189.0**
Stddev	11.1	134.	18.9
%RSD	.26684	.20372	.30494
#1	4147.5	65821.	6175.6
#2	4163.2	65631.	6202.3

Sample Name: lcs 280-114499/2-b Acquired: 4/9/2012 21:54:47 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05544**	**1.9137**	**.97657**	**.99262**	**2.1394**	**.05106**	**2.0912**	**50.187**	**.10188**	**.49146**
Stddev	.00046	.0089	.00424	.00194	.0147	.00043	.0037	.416	.00009	.00016
%RSD	.82147	.46338	.43424	.19505	.68786	.83811	.17475	.82826	.08480	.03178
#1	.05576	1.9074	.97357	.99125	2.1290	.05075	2.0886	49.893	.10182	.49157
#2	.05512	1.9200	.97957	.99399	2.1499	.05136	2.0938	50.481	.10194	.49135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20012**	**.26299**	**1.0549**	**53.164**	**1.0382**	**50.089**	**.52313**	**1.0100**	**53.523**	**.49891**
Stddev	.00004	.00145	.0136	.395	.0100	.234	.00197	.0008	.263	.00149
%RSD	.02047	.55079	1.2886	.74381	.96015	.46790	.37661	.07832	.49186	.29838
#1	.20015	.26401	1.0453	52.884	1.0312	50.255	.52453	1.0106	53.337	.49785
#2	.20009	.26196	1.0646	53.444	1.0453	49.923	.52174	1.0094	53.709	.49996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9416**	**.47773**	**.01965**	**.48087**	**2.0742**	**10.223**	F **21.876**	**2.0201**	**1.0674**	**.99103**
Stddev	.0251	.00071	.00286	.00067	.0001	.125	.268	.0060	.0092	.00695
%RSD	.25245	.14884	14.533	.13846	.00648	1.2270	1.2270	.29653	.86436	.70114
#1	9.9239	.47823	.02167	.48134	2.0741	10.134	21.687	2.0159	1.0608	.99594
#2	9.9594	.47722	.01763	.48040	2.0743	10.311	22.066	2.0244	1.0739	.98611
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0247**	**2.0142**	**2.2025**	**.51912**	**.48993**	**.45422**
Stddev	.0057	.0084	.0248	.00275	.00308	.00538
%RSD	.55592	.41886	1.1263	.52913	.62792	1.1834
#1	1.0287	2.0083	2.2200	.52106	.49211	.45042
#2	1.0207	2.0202	2.1850	.51717	.48776	.45802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3934.5**	**61194.**	**6198.2**
Stddev	1.1	329.	52.6
%RSD	.02792	.53822	.84810
#1	3933.7	60961.	6235.4
#2	3935.2	61427.	6161.1

Sample Name: 280-27357-a-3-b Acquired: 4/9/2012 21:56:56 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**.00612**	**-.00138**	**.16208**	**.08947**	**.00006**	**-.00195**	**115.74**	**.00025**	**-.00039**
Stddev	.00025	.00016	.00035	.00034	.00070	.00001	.00110	.08	.00003	.00012
%RSD	16.823	2.6285	25.403	.20978	.78362	9.9993	56.574	.07206	10.987	31.586
#1	.00133	.00623	-.00113	.16232	.08996	.00006	-.00117	115.79	.00027	-.00048
#2	.00169	.00601	-.00163	.16184	.08897	.00007	-.00272	115.68	.00023	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00043**	**.00875**	**5.2565**	**.02674**	**18.807**	**.00090**	**.02990**	**96.617**	**.00091**
Stddev	.00011	.00021	.00006	.0472	.00006	.097	.00002	.00058	.359	.00002
%RSD	18.477	48.581	.68321	.89737	.22870	.51799	2.3701	1.9545	.37130	2.0962
#1	.00051	-.00028	.00880	5.2899	.02670	18.876	.00089	.02949	96.870	.00092
#2	.00067	-.00057	.00871	5.2232	.02679	18.738	.00092	.03031	96.363	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03723**	**.00137**	**41.453**	**-.00261**	**.00504**	**10.859**	**23.238**	**.00011**	**.68093**	**-.00052**
Stddev	.00042	.00139	.083	.00066	.00359	.005	.010	.00002	.00089	.00092
%RSD	1.1366	101.36	.20042	25.111	71.352	.04403	.04403	13.797	.13003	175.78
#1	.03753	.00039	41.512	-.00308	.00758	10.856	23.231	.00012	.68156	.00013
#2	.03693	.00235	41.394	-.00215	.00250	10.862	23.246	.00010	.68031	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00202**	**.02498**	**.00113**	**.00491**	**.00109**
Stddev	.00014	.00130	.01446	.00001	.00029	.00082
%RSD	22.010	64.440	57.894	1.3204	5.8859	75.712
#1	.00053	.00110	.01475	.00114	.00471	.00051
#2	.00072	.00294	.03520	.00112	.00512	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3874.3**	**60771.**	**6132.9**
Stddev	1.5	325.	17.3
%RSD	.03931	.53414	.28244
#1	3873.2	60541.	6145.1
#2	3875.3	61000.	6120.7

Sample Name: 280-27357-a-4-b Acquired: 4/9/2012 21:59:19 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.00619**	**.00050**	**.13834**	**.07814**	**.00007**	**.00041**	**120.14**	**.00004**	**.00254**
Stddev	.00047	.00031	.00446	.00087	.00043	.00001	.00043	.07	.00005	.00013
%RSD	49.690	4.9490	892.16	.62669	.55469	15.483	104.60	.05952	116.97	4.9301
#1	.00061	.00597	-.00266	.13773	.07783	.00006	.00071	120.09	.00001	.00246
#2	.00128	.00641	.00366	.13896	.07845	.00007	.00011	120.19	.00008	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00395**	**.00502**	**5.2440**	**.03420**	**23.099**	**.06777**	**.00615**	**86.062**	**.00231**
Stddev	.00021	.00049	.00210	.0426	.00119	.059	.00012	.00013	.172	.00024
%RSD	35.236	12.451	41.948	.81290	3.4672	.25643	.17952	2.0578	.20014	10.581
#1	.00044	.00361	.00353	5.2139	.03504	23.058	.06786	.00606	85.940	.00248
#2	.00073	.00430	.00651	5.2741	.03336	23.141	.06769	.00624	86.183	.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02373**	**.00161**	**41.680**	**-.00309**	**.00012**	**9.5857**	**20.513**	**-.00088**	**.64926**	**.00042**
Stddev	.00386	.00117	.335	.00024	.00141	.0498	.107	.00025	.00220	.00067
%RSD	16.273	72.431	.80381	7.7198	1186.8	.51918	.51918	28.761	.33863	160.59
#1	.02647	.00079	41.443	-.00326	.00112	9.5505	20.438	-.00106	.64771	-.00006
#2	.02100	.00244	41.917	-.00292	-.00088	9.6209	20.589	-.00070	.65081	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00278**	**.00390**	**.00119**	**.00634**	**.00103**
Stddev	.00008	.00074	.01042	.00001	.00024	.00041
%RSD	22.222	26.506	266.99	1.0275	3.8555	40.174
#1	.00029	.00226	.01127	.00118	.00617	.00132
#2	.00039	.00330	-.00346	.00120	.00652	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3871.0**	**61070.**	**6170.2**
Stddev	26.1	38.	27.2
%RSD	.67506	.06185	.44030
#1	3889.5	61096.	6189.4
#2	3852.5	61043.	6151.0

Sample Name: 280-27357-a-7-b Acquired: 4/9/2012 22:01:42 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**.00414**	**-.00078**	**.12194**	**.06836**	**.00005**	**-.00163**	**127.48**	**.00000**	**-.00025**
Stddev	.00040	.00006	.00471	.00046	.00018	.00002	.00020	.02	.00000	.00009
%RSD	40.002	1.3718	606.84	.37871	.26805	50.036	12.217	.01180	164.87	37.919
#1	.00129	.00410	.00255	.12162	.06849	.00007	-.00149	127.49	.00000	-.00018
#2	.00072	.00418	-.00410	.12227	.06823	.00003	-.00177	127.47	.00001	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00042**	**.00566**	**4.7397**	**.03281**	**25.507**	**.00227**	**.00807**	**88.962**	**.00208**
Stddev	.00029	.00020	.00062	.0631	.00120	.140	.00002	.00018	.895	.00011
%RSD	51.183	46.423	10.935	1.3316	3.6537	.54807	.83433	2.1878	1.0057	5.2602
#1	.00076	.00029	.00610	4.6951	.03196	25.606	.00228	.00820	89.595	.00215
#2	.00036	.00056	.00522	4.7844	.03366	25.408	.00225	.00795	88.329	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01423**	**.00147**	**43.246**	**-.00076**	**-.00031**	**9.3623**	**20.035**	**.00063**	**.71117**	**.00008**
Stddev	.00088	.00060	.063	.00023	.00410	.0074	.016	.00019	.00024	.00220
%RSD	6.1641	40.462	.14516	30.037	1332.4	.07940	.07940	30.808	.03327	2616.5
#1	.01485	.00105	43.201	-.00092	-.00320	9.3570	20.024	.00077	.71134	-.00147
#2	.01361	.00189	43.290	-.00060	.00259	9.3675	20.047	.00049	.71101	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00037**	**.01386**	**.00062**	**.00355**	**.00085**
Stddev	.00021	.00049	.01502	.00033	.00041	.00155
%RSD	17.475	131.47	108.39	53.470	11.422	182.59
#1	.00132	.00072	.02448	.00085	.00327	-.00025
#2	.00103	.00003	.00324	.00039	.00384	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3853.6**	**60311.**	**6111.4**
Stddev	.5	440.	18.2
%RSD	.01169	.72926	.29756
#1	3853.9	60000.	6124.2
#2	3853.3	60622.	6098.5

Sample Name: 280-27283-b-1-b Acquired: 4/9/2012 22:04:05 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00102	.02487	.00085	.01006	.02515	.00009	.00037	26.450	.00008	-.00011
Stddev	.00007	.00001	.00329	.00015	.00002	.00001	.00118	.230	.00001	.00010
%RSD	6.7496	.04304	387.72	1.5386	.09918	6.4182	321.60	.86955	18.154	84.542
#1	.00097	.02486	.00317	.01017	.02517	.00008	-.00047	26.287	.00007	-.00018
#2	.00107	.02488	-.00148	.00995	.02513	.00009	.00120	26.612	.00008	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00163	.00400	.00923	.94971	.00194	5.4401	.00051	.00055	7.5029	.00024
Stddev	.00015	.00044	.00269	.02861	.00019	.0220	.00001	.00006	.0462	.00003
%RSD	8.9948	11.044	29.144	3.0129	9.7447	.40352	2.2865	10.352	.61639	13.106
#1	.00173	.00369	.01113	.96994	.00207	5.4245	.00052	.00051	7.4702	.00026
#2	.00152	.00432	.00733	.92947	.00180	5.4556	.00050	.00059	7.5356	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00419	.00108	12.090	-.00069	-.00233	2.8350	6.0670	-.00019	.17996	-.00017
Stddev	.00291	.00046	.106	.00008	.00110	.0401	.0858	.00036	.00104	.00027
%RSD	69.541	42.554	.88068	12.196	47.145	1.4145	1.4145	183.85	.57936	154.39
#1	.00213	.00075	12.165	-.00063	-.00311	2.8067	6.0063	-.00045	.17922	-.00036
#2	.00625	.00140	12.015	-.00075	-.00156	2.8634	6.1277	.00006	.18070	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.00033	-.00078	.00057	.00487	.00108
Stddev	.00012	.00108	.00614	.00015	.00057	.00070
%RSD	23.477	331.45	786.80	27.301	11.784	65.216
#1	.00043	-.00044	-.00512	.00046	.00447	.00158
#2	.00060	.00109	.00356	.00068	.00528	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3936.8	63830.	6202.2
Stddev	34.7	454.	41.6
%RSD	.88021	.71097	.67075
#1	3961.3	64150.	6231.6
#2	3912.3	63509.	6172.8

Sample Name: 280-27283-b-1-bSD@5 Acquired: 4/9/2012 22:06:28 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00487**	**.00170**	**.00216**	**.00484**	**.00000**	**.00195**	**5.3417**	**-.00018**	**-.00002**
Stddev	.00012	.00023	.00147	.00031	.00008	.00006	.00131	.0238	.00005	.00002
%RSD	14.083	4.7200	86.522	14.508	1.5691	2243.3	67.353	.44520	31.102	110.45
#1	.00075	.00503	.00066	.00193	.00489	-.00004	.00288	5.3249	-.00022	-.00003
#2	.00092	.00470	.00273	.00238	.00479	.00004	.00102	5.3585	-.00014	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00004**	**.00915**	**.22306**	**-.00044**	**1.1279**	**.00019**	**-.00022**	**1.6160**	**.00032**
Stddev	.00005	.00021	.00166	.01301	.00019	.0006	.00004	.00006	.0027	.00032
%RSD	7.7583	544.47	18.196	5.8306	44.650	.05600	19.296	29.007	.16502	102.51
#1	.00069	.00018	.00797	.21386	-.00030	1.1275	.00022	-.00017	1.6179	.00009
#2	.00062	-.00011	.01033	.23226	-.00057	1.1284	.00017	-.00026	1.6142	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00126**	**2.3782**	**.00038**	W **-.00531**	**.54755**	**1.1717**	**.00028**	**.03567**	**.00041**
Stddev	.00049	.00023	.0014	.00228	.00196	.01953	.0418	.00020	.00026	.00123
%RSD	34.588	18.489	.05893	595.45	36.969	3.5672	3.5672	69.926	.74275	301.09
#1	.00106	.00109	2.3792	-.00123	-.00670	.56136	1.2013	.00042	.03548	-.00046
#2	.00175	.00142	2.3772	.00200	-.00392	.53373	1.1422	.00014	.03586	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00130**	**-.00374**	**.00007**	**.00297**	**-.00046**
Stddev	.00006	.00161	.00283	.00005	.00045	.00011
%RSD	25.140	123.63	75.652	72.326	14.993	23.962
#1	.00021	.00016	-.00574	.00003	.00329	-.00038
#2	.00029	.00244	-.00174	.00010	.00266	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4101.8**	**65103.**	**6115.6**
Stddev	2.5	414.	76.3
%RSD	.05979	.63545	1.2473
#1	4103.5	65396.	6061.7
#2	4100.0	64811.	6169.6

Sample Name: 280-27283-b-1-c ms Acquired: 4/9/2012 22:08:53 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05450**	**1.9296**	**.98114**	**.99804**	**2.1536**	**.05128**	F **2.0905**	**76.503**	**.10211**	**.49076**
Stddev	.00001	.0031	.00564	.00404	.0020	.00011	.0085	.224	.00021	.00133
%RSD	.01881	.15906	.57475	.40527	.09174	.20712	.40744	.29298	.20253	.27122
#1	.05450	1.9318	.98512	1.0009	2.1522	.05121	2.0965	76.344	.10225	.49171
#2	.05451	1.9275	.97715	.99518	2.1550	.05136	2.0845	76.661	.10196	.48982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20071**	**.26615**	**1.0421**	**54.153**	**1.0424**	**55.277**	**.52104**	**1.0087**	**61.232**	**.49954**
Stddev	.00045	.00021	.0016	.070	.0015	.133	.00122	.0016	.298	.00005
%RSD	.22231	.08027	.15352	.12848	.14840	.24067	.23491	.15765	.48743	.00999
#1	.20102	.26630	1.0433	54.104	1.0413	55.183	.52017	1.0098	61.021	.49950
#2	.20039	.26600	1.0410	54.203	1.0435	55.371	.52190	1.0076	61.444	.49957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.069**	**.47562**	**12.440**	**.48514**	**2.0684**	**13.086**	**28.005**	W **2.0105**	**1.2436**	**.99562**
Stddev	.018	.00025	.008	.00245	.0038	.001	.003	.0038	.0013	.00073
%RSD	.17662	.05157	.06188	.50496	.18551	.01013	.01013	.18941	.10494	.07321
#1	10.082	.47545	12.445	.48687	2.0657	13.087	28.007	2.0078	1.2426	.99510
#2	10.056	.47580	12.434	.48340	2.0711	13.085	28.003	2.0132	1.2445	.99613
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0191**	**1.9988**	**2.2186**	**.51912**	**.48992**	**.45772**
Stddev	.0008	.0095	.0204	.00039	.00167	.00340
%RSD	.07576	.47336	.92077	.07469	.34100	.74183
#1	1.0186	2.0055	2.2042	.51885	.48873	.46012
#2	1.0197	1.9921	2.2331	.51939	.49110	.45532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3876.8**	**60624.**	**6161.0**
Stddev	2.1	114.	2.8
%RSD	.05348	.18796	.04502
#1	3875.3	60544.	6163.0
#2	3878.3	60705.	6159.1

Sample Name: 280-27283-b-1-d msd Acquired: 4/9/2012 22:11:02 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114509 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05493**	**1.9352**	**.98900**	**1.0034**	**2.1582**	**.05159**	F **2.1034**	**76.902**	**.10240**	**.49264**
Stddev	.00022	.0021	.00685	.0020	.0026	.00017	.0023	.030	.00014	.00046
%RSD	.40641	.10798	.69260	.19942	.12171	.32183	.11139	.03967	.14151	.09318
#1	.05509	1.9337	.99384	1.0020	2.1563	.05171	2.1018	76.881	.10230	.49296
#2	.05478	1.9366	.98415	1.0048	2.1601	.05147	2.1051	76.924	.10250	.49231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20162**	**.26740**	**1.0517**	**54.269**	**1.0465**	**55.428**	**.52290**	**1.0157**	**61.378**	**.49895**
Stddev	.00033	.00067	.0128	.019	.0008	.252	.00220	.0023	.023	.00012
%RSD	.16393	.24891	1.2198	.03576	.07766	.45431	.42147	.22908	.03675	.02329
#1	.20186	.26787	1.0608	54.283	1.0471	55.606	.52446	1.0174	61.394	.49903
#2	.20139	.26693	1.0427	54.256	1.0459	55.250	.52134	1.0141	61.362	.49887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.087**	**.47817**	**12.486**	**.48485**	**2.0833**	**13.195**	**28.238**	W **2.0186**	**1.2478**	**.99894**
Stddev	.010	.00062	.023	.00046	.0069	.037	.078	.0057	.0003	.00306
%RSD	.09723	.12869	.18799	.09504	.33197	.27709	.27709	.28438	.02009	.30599
#1	10.094	.47861	12.502	.48453	2.0882	13.169	28.182	2.0227	1.2480	1.0011
#2	10.080	.47774	12.469	.48518	2.0785	13.221	28.293	2.0146	1.2477	.99678
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0260**	**2.0055**	**2.1948**	**.52168**	**.49366**	**.45762**
Stddev	.0030	.0025	.0216	.00306	.00192	.00412
%RSD	.29137	.12564	.98452	.58603	.38882	.90045
#1	1.0281	2.0037	2.1795	.52384	.49502	.45471
#2	1.0239	2.0073	2.2101	.51952	.49231	.46053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3875.2**	**60556.**	**6172.6**
Stddev	16.4	146.	10.1
%RSD	.42430	.24036	.16355
#1	3886.8	60453.	6179.8
#2	3863.6	60659.	6165.5

Sample Name: CCVH-1326164 Acquired: 4/9/2012 22:13:11 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00372**	**52.427**	**-.00330**	**.00344**	**.00041**	**.00007**	**1.0004**	**-.00221**	**-.00013**	**.00033**	**.00110**	**.00552**
Stddev	.00027	.222	.00096	.00028	.00002	.00002	.0027	.00124	.00019	.00016	.00014	.00002
%RSD	7.1833	.42410	28.938	8.1868	5.6523	26.369	.26881	56.264	145.16	48.901	12.432	.34463
#1	.00391	52.585	-.00398	.00324	.00039	.00008	.99848	-.00133	.00000	.00021	.00120	.00550
#2	.00353	52.270	-.00263	.00364	.00042	.00006	1.0023	-.00309	-.00026	.00044	.00101	.00553
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.302**	**.09107**	**.00062**	**.01457**	**-.00005**	**.00096**	**260.88**	**.00194**	**.00592**	**-.00253**	**4.9285**	**-.00151**
Stddev	.082	.00511	.00069	.00032	.00008	.00100	.88	.00002	.00056	.00106	.0293	.00145
%RSD	.15701	5.6149	111.50	2.1619	158.97	104.36	.33828	.78528	9.4111	42.055	.59505	95.688
#1	52.360	.08745	.00013	.01479	-.00011	.00025	261.50	.00195	.00631	-.00328	4.9078	-.00049
#2	52.244	.09468	.00110	.01435	.00001	.00167	260.26	.00193	.00552	-.00177	4.9492	-.00253
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.01168**	**.02500**	**.00261**	**.00039**	**4.8634**	**.00235**	**.00108**	W **10.520**	**.00322**	**.00188**	**-.19480**
Stddev	.01073	.00358	.00767	.00044	.00001	.0224	.00006	.00068	.007	.00002	.00071	.00542
%RSD	1790.8	30.683	30.683	17.038	3.3792	.46069	2.5933	62.342	.06967	.59119	37.980	2.7822
#1	.00819	.01422	.03042	.00229	.00040	4.8793	.00239	.00156	10.514	.00320	.00239	-.19864
#2	-.00699	.00915	.01957	.00292	.00038	4.8476	.00231	.00061	10.525	.00323	.00138	-.19097
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3934.8**	**61290.**	**6192.5**
Stddev	19.3	58.	13.3
%RSD	.49040	.09529	.21498
#1	3948.4	61331.	6183.1
#2	3921.1	61248.	6201.9

Sample Name: CCV-1343805 Acquired: 4/9/2012 22:15:32 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51964**	**.51656**	**.97254**	**.50400**	**.53509**	**.50947**	**-.00012**	**5.1228**	**.50635**	**.50426**	**.50393**	**.51546**	**2.6437**
Stddev	.00049	.00093	.00051	.00073	.00100	.00127	.00004	.0042	.00021	.00025	.00030	.00151	.0104
%RSD	.09517	.18014	.05245	.14445	.18614	.25014	31.470	.08238	.04090	.05051	.05854	.29215	.39366
#1	.51929	.51590	.97218	.50452	.53439	.50857	-.00009	5.1198	.50620	.50444	.50414	.51439	2.6363
#2	.51999	.51722	.97290	.50349	.53580	.51037	-.00014	5.1257	.50650	.50408	.50372	.51652	2.6510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.853**	**1.0378**	**20.132**	**.51363**	**.49929**	**5.2538**	**.50556**	**.98684**	**.97908**	**.00943**	**1.0066**	**1.0391**	**5.0643**
Stddev	.009	.0030	.045	.00105	.00134	.0088	.00115	.00211	.00292	.00263	.0029	.0022	.0114
%RSD	.01637	.29274	.22369	.20481	.26825	.16647	.22658	.21423	.29821	27.863	.29009	.21701	.22574
#1	52.859	1.0356	20.100	.51289	.50024	5.2476	.50475	.98535	.97701	.01128	1.0087	1.0375	5.0724
#2	52.847	1.0399	20.163	.51438	.49834	5.2600	.50637	.98834	.98114	.00757	1.0045	1.0407	5.0562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.838**	**1.0145**	**.52729**	**.01451**	**.49772**	**1.0523**	**-.01082**	**.50765**	**.49200**	**.49428**
Stddev	.024	.0007	.00056	.00051	.00015	.0023	.01054	.00008	.00120	.00008
%RSD	.22574	.06840	.10601	3.4883	.03076	.21492	97.467	.01625	.24361	.01715
#1	10.855	1.0150	.52690	.01415	.49761	1.0539	-.00336	.50759	.49116	.49434
#2	10.820	1.0140	.52769	.01487	.49783	1.0507	-.01827	.50771	.49285	.49422
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4017.6**	**63080.**	**6218.0**
Stddev	1.9	147.	17.2
%RSD	.04763	.23273	.27614
#1	4019.0	63184.	6230.1
#2	4016.3	62976.	6205.8

Sample Name: CCB Acquired: 4/9/2012 22:17:43 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00035**	**.00083**	**.00108**	**.00011**	**.00005**	**-.00105**	**-.00087**	**.00011**	**-.00017**	**.00018**
Stddev	.00006	.00007	.00081	.00008	.00001	.00005	.00163	.00150	.00002	.00009	.00012
%RSD	10.907	19.124	97.698	7.0541	7.3568	107.12	155.82	173.52	18.097	50.218	68.856
#1	.00057	.00030	.00026	.00114	.00010	.00008	-.00220	.00020	.00013	-.00023	.00027
#2	.00049	.00040	.00141	.00103	.00011	.00001	.00011	-.00193	.00010	-.00011	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00136**	**.00030**	**.06047**	**-.00206**	**.00318**	**.00003**	**.00104**	W **.10723**	**-.00015**	**.00108**	**.00078**
Stddev	.00013	.00096	.03292	.00038	.00001	.00002	.00039	.00781	.00009	.00079	.00020
%RSD	9.1720	322.59	54.446	18.333	.26287	63.667	37.819	7.2819	59.704	72.920	25.654
#1	-.00128	-.00038	.08375	-.00233	.00318	.00002	.00076	.11275	-.00021	.00052	.00064
#2	-.00145	.00098	.03719	-.00179	.00319	.00005	.00132	.10171	-.00009	.00164	.00092
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00874**	**-.00094**	**-.00351**	**-.00605**	**-.01294**	**.00171**	**-.00001**	**.00129**	**.00047**	**.00009**	**.00551**
Stddev	.00113	.00065	.00491	.01086	.02323	.00039	.00002	.00239	.00003	.00074	.00983
%RSD	12.897	68.794	139.78	179.50	179.50	22.794	295.28	185.05	5.5999	839.93	178.51
#1	.00954	-.00049	-.00698	-.01372	-.02937	.00199	.00001	.00298	.00045	-.00044	-.00144
#2	.00794	-.00140	-.00004	.00163	.00348	.00144	-.00002	-.00040	.00049	.00061	.01246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00020**	**.00163**	**.00067**
Stddev	.00045	.00015	.00030
%RSD	231.87	9.3317	44.699
#1	-.00013	.00152	.00089
#2	.00052	.00174	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4018.2**	**64340.**	**6122.1**
Stddev	65.5	47.	13.1
%RSD	1.6292	.07368	.21470
#1	3971.9	64307.	6131.4
#2	4064.5	64374.	6112.8

Sample Name: CCVL1351092 Acquired: 4/9/2012 22:20:08 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01107**	**.10672**	**.01586**	**.09268**	**.01095**	**.00111**	**.10891**	**.20985**	**.00510**	**.01043**	**.01038**	**.01439**	**.11029**	**3.3315**
Stddev	.00025	.00075	.00272	.00065	.00023	.00005	.00041	.00563	.00005	.00022	.00004	.00026	.00159	.0299
%RSD	2.2176	.70139	17.160	.70307	2.1042	4.6728	.37967	2.6821	.97186	2.1486	.36679	1.7747	1.4384	.89593
#1	.01125	.10619	.01779	.09222	.01079	.00107	.10862	.21383	.00507	.01027	.01036	.01457	.11141	3.3526
#2	.01090	.10725	.01394	.09314	.01111	.00114	.10920	.20587	.00514	.01058	.01041	.01421	.10917	3.3104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.20565**	**.01065**	**.01985**	**1.1817**	**.04148**	**2.7319**	**.01080**	**.00793**	**.01215**	**.01342**	**.48049**	**1.0282**	**.10322**
Stddev	.00045	.00237	.00005	.00021	.0127	.00013	.0169	.00133	.00210	.00165	.00530	.01231	.0263	.00047
%RSD	4.2846	1.1536	.42757	1.0363	1.0704	.31837	.61709	12.293	26.466	13.569	39.506	2.5623	2.5623	.45354
#1	.01012	.20397	.01062	.01999	1.1727	.04139	2.7200	.01173	.00644	.01098	.00967	.47178	1.0096	.10289
#2	.01075	.20733	.01068	.01970	1.1906	.04158	2.7438	.00986	.00941	.01331	.01717	.48919	1.0469	.10355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01089**	**.01447**	**.01030**	**.01675**	**.05944**	**.01006**	**.02211**	**.01459**
Stddev	.00005	.00029	.00037	.00093	.00625	.00040	.00014	.00010
%RSD	.45668	1.9964	3.5902	5.5631	10.506	4.0175	.65493	.65897
#1	.01092	.01426	.01004	.01741	.06386	.00977	.02201	.01452
#2	.01085	.01467	.01057	.01609	.05503	.01035	.02221	.01466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.9**	**64824.**	**6203.7**
Stddev	5.6	180.	6.4
%RSD	.13772	.27786	.10377
#1	4076.8	64952.	6208.3
#2	4068.9	64697.	6199.2

Sample Name: mb 280-114728/1-a Acquired: 4/9/2012 22:22:33 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.00363**	**.00066**	**.00069**	**.00039**	**.00005**	**-.00115**	**.07231**	**.00010**	**.00002**
Stddev	.00039	.00038	.00303	.00039	.00008	.00003	.00214	.00039	.00004	.00002
%RSD	34.308	10.354	456.96	56.310	21.018	48.213	185.74	.54327	42.843	79.747
#1	.00142	.00390	.00280	.00097	.00033	.00004	-.00266	.07203	.00014	.00001
#2	.00086	.00337	-.00148	.00042	.00044	.00007	.00036	.07258	.00007	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00011**	**.01381**	**.05100**	**-.00228**	**.00495**	**.00018**	**-.00023**	**.37339**	**.00010**
Stddev	.00000	.00023	.00231	.01883	.00038	.00143	.00004	.00005	.00305	.00003
%RSD	1.4184	221.34	16.747	36.921	16.676	29.003	20.005	20.095	.81750	33.692
#1	.00017	.00006	.01545	.03769	-.00255	.00596	.00015	-.00020	.37555	.00012
#2	.00016	-.00027	.01218	.06432	-.00201	.00393	.00021	-.00027	.37123	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00816**	**.00296**	F **.04496**	**-.00007**	**-.00283**	W **.00536**	**.01146**	**.00833**	**.00015**	**.00188**
Stddev	.00089	.00058	.00139	.00081	.00728	.00029	.00062	.00124	.00003	.00156
%RSD	10.884	19.711	3.0866	1221.0	257.44	5.3825	5.3825	14.852	19.603	83.092
#1	.00753	.00337	.04594	-.00064	.00232	.00556	.01190	.00745	.00013	.00077
#2	.00878	.00254	.04398	.00051	-.00797	.00515	.01103	.00920	.00017	.00298
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000			.00500				
Low Limit	-.00500		-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00010**	**.00231**	**.00006**	**.00211**	**-.00017**
Stddev	.00011	.00145	.00739	.00037	.00007	.00083
%RSD	20.387	1430.9	320.12	648.21	3.3751	489.69
#1	.00045	-.00092	.00754	-.00021	.00206	-.00076
#2	.00060	.00112	-.00292	.00032	.00216	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.1**	**65988.**	**6377.5**
Stddev	5.7	44.	7.7
%RSD	.13916	.06731	.12072
#1	4121.2	65956.	6372.1
#2	4113.1	66019.	6382.9

Sample Name: lcs 280-114728/2-a Acquired: 4/9/2012 22:24:59 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05428**	**1.9118**	**.97335**	**.96870**	**2.1334**	**.05082**	**2.0962**	**49.899**	**.10208**	**.49240**
Stddev	.00080	.0017	.00068	.00013	.0047	.00012	.0013	.051	.00047	.00178
%RSD	1.4797	.08751	.06996	.01336	.22018	.23771	.06290	.10294	.46341	.36108
#1	.05485	1.9130	.97287	.96879	2.1301	.05090	2.0971	49.863	.10175	.49114
#2	.05371	1.9106	.97383	.96861	2.1367	.05073	2.0952	49.935	.10241	.49365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19993**	**.26150**	**1.0544**	**53.226**	**1.0432**	**49.230**	**.51641**	**1.0021**	**54.305**	**.50057**
Stddev	.00029	.00051	.0065	.215	.0002	.248	.00251	.0022	.078	.00062
%RSD	.14437	.19504	.61862	.40396	.02059	.50410	.48529	.22165	.14337	.12318
#1	.19973	.26186	1.0498	53.074	1.0434	49.406	.51818	1.0005	54.250	.50013
#2	.20014	.26114	1.0590	53.378	1.0431	49.055	.51464	1.0036	54.360	.50100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9862**	**.47760**	**.05365**	**.47415**	**2.0396**	**1.1166**	F **2.3895**	**2.0102**	**1.0676**	**.97971**
Stddev	.0010	.00018	.00513	.00372	.0008	.0110	.0235	.0014	.0016	.00857
%RSD	.01026	.03829	9.5626	.78396	.03915	.98251	.98251	.06906	.14585	.87443
#1	9.9869	.47772	.05003	.47678	2.0402	1.1088	2.3729	2.0112	1.0665	.98577
#2	9.9855	.47747	.05728	.47152	2.0391	1.1243	2.4061	2.0092	1.0687	.97365
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0095**	**2.0131**	**2.1663**	**.51196**	**.48538**	**.44859**
Stddev	.0046	.0006	.0125	.00098	.00416	.00014
%RSD	.45459	.02762	.57525	.19177	.85729	.03164
#1	1.0127	2.0135	2.1575	.51266	.48833	.44869
#2	1.0062	2.0127	2.1751	.51127	.48244	.44849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3880.8**	**61353.**	**6181.8**
Stddev	8.2	208.	49.4
%RSD	.21050	.33841	.79913
#1	3886.6	61207.	6216.7
#2	3875.0	61500.	6146.9

Sample Name: 280-27317-a-1-h Acquired: 4/9/2012 22:27:10 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**84.957**	**.02213**	**.02300**	**.70379**	**.00286**	**-.00181**	**25.256**	**.00084**	**.04617**
Stddev	.00018	.466	.00087	.00029	.00292	.00001	.00083	.171	.00001	.00019
%RSD	13.458	.54906	3.9409	1.2695	.41444	.24696	45.859	.67802	.81243	.40897
#1	.00144	85.287	.02275	.02321	.70585	.00287	-.00240	25.377	.00083	.04631
#2	.00119	84.627	.02152	.02279	.70173	.00286	-.00122	25.135	.00084	.04604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15221**	**.15931**	**129.29**	**16.887**	**.08770**	**27.892**	**2.2457**	**.00192**	**2.3568**	**.13264**
Stddev	.00046	.00030	1.02	.031	.00051	.168	.0072	.00049	.0200	.00057
%RSD	.29893	.18879	.79022	.18320	.58480	.60396	.31824	25.682	.84909	.43086
#1	.15253	.15910	130.01	16.909	.08807	27.773	2.2407	.00157	2.3710	.13305
#2	.15189	.15952	128.57	16.865	.08734	28.011	2.2508	.00227	2.3427	.13224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0355**	**.07583**	**.62596**	**.00413**	**-.00045**	**2.3001**	**4.9222**	**.00767**	**.27106**	**.03788**
Stddev	.0065	.00212	.00010	.00031	.00170	.0027	.0057	.00054	.00090	.00101
%RSD	.16105	2.8014	.01556	7.4564	375.35	.11546	.11546	6.9934	.33339	2.6665
#1	4.0309	.07734	.62589	.00435	.00075	2.2982	4.9182	.00729	.27170	.03717
#2	4.0401	.07433	.62602	.00392	-.00165	2.3020	4.9262	.00805	.27042	.03860
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1238**	**.00269**	W **-.07720**	**.29822**	**.33832**	**.05122**
Stddev	.0287	.00115	.02786	.00071	.00396	.00110
%RSD	.55928	42.885	36.090	.23745	1.1705	2.1560
#1	5.1035	.00188	-.09691	.29772	.33552	.05044
#2	5.1441	.00351	-.05750	.29872	.34112	.05200
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4114.7**	**64152.**	**6474.8**
Stddev	12.4	85.	53.4
%RSD	.30128	.13265	.82444
#1	4123.4	64213.	6437.1
#2	4105.9	64092.	6512.6

Sample Name: 280-27317-a-1-hSD@5 Acquired: 4/9/2012 22:29:28 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**18.002**	**.00621**	**.00536**	**.14840**	**.00068**	**-.00040**	**5.3916**	**.00001**	**.01015**
Stddev	.00010	.016	.00492	.00027	.00039	.00005	.00016	.0177	.00006	.00004
%RSD	11.170	.09095	79.257	5.1159	.26555	6.8507	40.300	.32826	598.20	.43899
#1	.00099	17.991	.00273	.00517	.14812	.00065	-.00028	5.3791	-.00003	.01012
#2	.00085	18.014	.00969	.00556	.14868	.00072	-.00051	5.4041	.00005	.01018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03232**	**.03221**	**27.200**	**3.5859**	**.01793**	**6.0382**	**.47612**	**-.00015**	**.53248**	**.02854**
Stddev	.00003	.00001	.152	.0300	.00092	.0247	.00096	.00016	.00655	.00034
%RSD	.10124	.02304	.55958	.83670	5.1126	.40911	.20073	107.43	1.2307	1.1771
#1	.03230	.03222	27.093	3.6072	.01728	6.0557	.47679	-.00004	.52785	.02830
#2	.03234	.03221	27.308	3.5647	.01858	6.0207	.47544	-.00027	.53711	.02878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.84065**	**.01750**	**.13983**	**.00024**	**-.00306**	**.49336**	**1.0558**	**.00181**	**.05716**	**.00918**
Stddev	.00193	.00063	.00024	.00169	.00674	.00633	.0135	.00044	.00013	.00128
%RSD	.23012	3.6097	.16924	704.11	219.84	1.2822	1.2822	24.207	.22978	13.928
#1	.84201	.01705	.13966	.00143	.00170	.49783	1.0654	.00211	.05707	.00827
#2	.83928	.01795	.13999	-.00095	-.00783	.48888	1.0462	.00150	.05725	.01008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0660**	**-.00040**	**-.03785**	**.06207**	**.07473**	**.01135**
Stddev	.0021	.00025	.00370	.00012	.00148	.00024
%RSD	.19902	62.648	9.7840	.19475	1.9835	2.0769
#1	1.0675	-.00022	-.03523	.06198	.07578	.01118
#2	1.0645	-.00058	-.04047	.06215	.07368	.01151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4128.3**	**64723.**	**6325.2**
Stddev	.1	120.	25.6
%RSD	.00154	.18578	.40469
#1	4128.2	64808.	6343.3
#2	4128.3	64638.	6307.1

Sample Name: 280-27317-a-1-i ms Acquired: 4/9/2012 22:31:49 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05333**	**129.40**	**.93433**	**.93672**	**2.9472**	**.05164**	F **1.9674**	**75.801**	**.09848**	**.50704**
Stddev	.00004	.52	.00431	.00158	.0034	.00041	.0029	.695	.00022	.00106
%RSD	.07643	.40544	.46127	.16865	.11534	.78552	.14941	.91643	.22221	.20925
#1	.05336	129.03	.93738	.93784	2.9448	.05136	1.9653	75.309	.09863	.50779
#2	.05330	129.77	.93128	.93561	2.9496	.05193	1.9694	76.292	.09832	.50629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39214**	**.41798**	**131.98**	**71.832**	**1.1061**	**75.147**	**2.8592**	**.92282**	**54.006**	**.64015**
Stddev	.00143	.00019	.69	.068	.0033	.091	.0017	.00169	.082	.00128
%RSD	.36533	.04434	.52614	.09436	.29998	.12171	.05807	.18312	.15210	.19929
#1	.39315	.41785	131.49	71.784	1.1038	75.082	2.8581	.92401	53.948	.64105
#2	.39113	.41812	132.47	71.880	1.1085	75.212	2.8604	.92162	54.064	.63925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.525**	**.48675**	**1.0650**	**.23462**	**1.9254**	**5.6119**	**12.009**	**1.8066**	**1.3330**	**.96507**
Stddev	.021	.00078	.0030	.00040	.0002	.0299	.064	.0009	.0025	.00108
%RSD	.16367	.16063	.27904	.17120	.00869	.53313	.53313	.05099	.18640	.11212
#1	12.539	.48731	1.0629	.23490	1.9252	5.6330	12.055	1.8060	1.3313	.96431
#2	12.510	.48620	1.0671	.23433	1.9255	5.5907	11.964	1.8073	1.3348	.96584
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.6991**	**1.8271**	**2.0002**	**.82614**	**.80054**	**.47045**
Stddev	.0020	.0064	.0186	.00085	.00037	.00206
%RSD	.02995	.35253	.92951	.10299	.04674	.43766
#1	6.7005	1.8316	2.0133	.82554	.80028	.46899
#2	6.6977	1.8225	1.9870	.82674	.80081	.47190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4006.0**	**62207.**	**6492.6**
Stddev	1.6	343.	2.1
%RSD	.04111	.55061	.03272
#1	4007.1	61965.	6494.1
#2	4004.8	62449.	6491.1

Sample Name: 280-27317-a-1-j msd Acquired: 4/9/2012 22:33:59 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05328	130.82	.93629	.92045	2.8963	.05178	F 1.9681	80.900	.09730	.50673
Stddev	.00041	.52	.00673	.00140	.0151	.00022	.0027	.204	.00027	.00049
%RSD	.77388	.39776	.71906	.15206	.52204	.42763	.13976	.25172	.27449	.09596
#1	.05299	131.19	.93153	.91946	2.9070	.05194	1.9701	81.044	.09711	.50639
#2	.05357	130.45	.94105	.92144	2.8856	.05163	1.9662	80.756	.09749	.50708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39814	.44235	143.80	72.236	1.1179	76.907	2.9620	.91520	55.376	.62749
Stddev	.00005	.00139	.09	.211	.0042	.082	.0045	.00168	.366	.00065
%RSD	.01185	.31384	.06046	.29203	.37503	.10658	.15319	.18399	.66182	.10354
#1	.39817	.44333	143.86	72.385	1.1209	76.965	2.9588	.91400	55.636	.62703
#2	.39810	.44137	143.74	72.087	1.1149	76.849	2.9652	.91639	55.117	.62795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 13.322	.47218	.61451	.23990	1.9179	5.7941	12.399	1.7942	1.4248	.96252
Stddev	.002	.00232	.00062	.00103	.0033	.0334	.071	.0047	.0092	.00192
%RSD	.01192	.49068	.10158	.42777	.17414	.57640	.57640	.26239	.64336	.19954
#1	13.321	.47054	.61495	.23918	1.9156	5.7704	12.349	1.7975	1.4313	.96388
#2	13.323	.47382	.61407	.24063	1.9203	5.8177	12.450	1.7909	1.4183	.96116
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.4660	1.8130	1.9920	.85072	.80897	.48846
Stddev	.0177	.0019	.0145	.00009	.00344	.00097
%RSD	.23730	.10511	.72799	.01065	.42585	.19898
#1	7.4786	1.8116	1.9818	.85065	.81140	.48915
#2	7.4535	1.8143	2.0023	.85078	.80653	.48777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3987.2	62305.	6440.8
Stddev	.3	206.	40.8
%RSD	.00778	.33045	.63337
#1	3987.0	62451.	6469.6
#2	3987.4	62159.	6411.9

Sample Name: 280-27317-a-1-hPDS Acquired: 4/9/2012 22:36:08 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114728 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04593**	**85.476**	**.24140**	**.11417**	**.82232**	**.06094**	**-.00355**	**48.260**	**.05833**	**.09976**
Stddev	.00094	.339	.00438	.00073	.00349	.00043	.00065	.056	.00005	.00038
%RSD	2.0533	.39698	1.8149	.63579	.42457	.71070	18.401	.11540	.09272	.37785
#1	.04660	85.716	.24450	.11468	.82479	.06124	-.00401	48.299	.05829	.10003
#2	.04526	85.237	.23831	.11365	.81985	.06063	-.00308	48.220	.05837	.09950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20529**	**.21583**	**129.29**	**41.144**	**.20887**	**49.419**	**2.2430**	**.04909**	**27.253**	**.18410**
Stddev	.00053	.00068	.31	.173	.00133	.204	.0045	.00007	.085	.00129
%RSD	.25761	.31307	.24128	.42113	.63562	.41201	.20054	.13370	.31040	.70179
#1	.20567	.21535	129.51	41.267	.20981	49.275	2.2398	.04905	27.313	.18501
#2	.20492	.21631	129.07	41.022	.20793	49.562	2.2461	.04914	27.193	.18319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1516**	**.17657**	**.62445**	**.09697**	**.22867**	**7.1686**	**15.341**	**.10281**	**.33087**	**.25831**
Stddev	.0069	.00032	.00379	.00181	.00574	.0179	.038	.00013	.00139	.00172
%RSD	.11218	.18267	.60766	1.8617	2.5117	.24952	.24952	.12197	.41998	.66633
#1	6.1564	.17679	.62713	.09825	.22461	7.1560	15.314	.10290	.33185	.25953
#2	6.1467	.17634	.62177	.09570	.23273	7.1813	15.368	.10272	.32989	.25709
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0856**	**.22728**	**.53408**	**.35290**	**.55134**	**.09023**
Stddev	.0051	.00106	.00917	.00153	.00427	.00053
%RSD	.10080	.46456	1.7163	.43301	.77416	.58653
#1	5.0820	.22653	.52759	.35182	.54832	.09060
#2	5.0892	.22802	.54056	.35398	.55436	.08985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4065.0**	**63605.**	**6451.1**
Stddev	.3	243.	5.2
%RSD	.00791	.38159	.08114
#1	4065.3	63776.	6447.4
#2	4064.8	63433.	6454.8

Sample Name: CCVH-1326164 Acquired: 4/9/2012 22:38:22 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00330**	**51.582**	**-.00225**	**.00238**	**.00030**	**.00003**	**.98161**	**-.00242**	**-.00017**	**.00017**	**.00112**	**.00392**
Stddev	.00006	.357	.00194	.00001	.00006	.00001	.00090	.00102	.00001	.00017	.00004	.00052
%RSD	1.8382	.69212	86.083	.39838	18.902	16.166	.09133	42.274	6.4194	102.08	3.7847	13.163
#1	.00335	51.834	-.00362	.00238	.00026	.00003	.98224	-.00314	-.00018	.00005	.00115	.00429
#2	.00326	51.330	-.00088	.00239	.00034	.00003	.98097	-.00169	-.00016	.00028	.00109	.00356
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.656**	**.06256**	**-.00130**	**.01060**	**-.00002**	**-.00059**	**257.36**	**.00193**	**.00653**	**-.00263**	**4.8326**	**-.00142**
Stddev	.478	.01508	.00089	.00119	.00001	.00031	2.13	.00006	.00170	.00031	.0014	.00052
%RSD	.92621	24.102	68.025	11.237	82.790	52.380	.82885	3.2492	26.067	11.883	.02919	36.266
#1	51.995	.07323	-.00193	.00975	-.00003	-.00037	258.87	.00198	.00532	-.00285	4.8336	-.00106
#2	51.318	.05190	-.00068	.01144	-.00001	-.00081	255.85	.00189	.00773	-.00241	4.8316	-.00179
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00821**	**.00406**	**.00869**	**.00310**	**.00041**	W **4.6947**	**.00468**	**.00208**	**10.311**	**.00274**	**.00109**	**-.18963**
Stddev	.00099	.02309	.04942	.00078	.00008	.0201	.00063	.00075	.051	.00071	.00010	.00107
%RSD	12.042	568.33	568.33	25.063	19.657	.42837	13.483	36.023	.49678	25.816	9.6424	.56321
#1	-.00751	-.01226	-.02625	.00365	.00035	4.6804	.00513	.00155	10.275	.00224	.00116	-.18887
#2	-.00891	.02039	.04364	.00255	.00046	4.7089	.00423	.00261	10.347	.00324	.00101	-.19038
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.4**	**62025.**	**6241.4**
Stddev	1.9	587.	34.9
%RSD	.04891	.94570	.55913
#1	3968.7	62440.	6216.8
#2	3966.0	61610.	6266.1

Sample Name: CCV-1343805 Acquired: 4/9/2012 22:40:43 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50906**	**.50746**	**.94406**	**.48532**	**.53046**	**.50142**	**.00164**	**5.0580**	**.49207**	**.49403**	**.49563**	**.50284**	**2.6306**	**52.473**
Stddev	.00042	.00065	.00095	.00126	.00229	.00161	.00150	.0311	.00128	.00012	.00080	.00072	.0224	.275
%RSD	.08170	.12891	.10031	.25965	.43117	.32020	91.641	.61565	.26010	.02523	.16164	.14301	.85287	.52478
#1	.50877	.50792	.94339	.48443	.53207	.50255	.00270	5.0800	.49116	.49412	.49507	.50335	2.6465	52.668
#2	.50935	.50699	.94473	.48621	.52884	.50028	.00058	5.0360	.49297	.49394	.49620	.50233	2.6148	52.278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0243**	**19.760**	**.50665**	**.49047**	**5.1188**	**.49587**	**.95705**	**.95156**	**.01404**	**.97259**	**.99971**	**4.9951**	**10.690**	**1.0022**
Stddev	.0049	.011	.00050	.00002	.0287	.00078	.00299	.00035	.00352	.00089	.00521	.0122	.026	.0011
%RSD	.47593	.05372	.09911	.00324	.56046	.15783	.31203	.03701	25.037	.09106	.52115	.24358	.24358	.11041
#1	1.0278	19.767	.50630	.49048	5.1391	.49642	.95916	.95131	.01156	.97196	1.0034	5.0037	10.708	1.0014
#2	1.0209	19.752	.50701	.49046	5.0986	.49531	.95494	.95181	.01653	.97321	.99602	4.9865	10.671	1.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52289**	**.01360**	**.49179**	**1.0240**	**.00229**	**.50056**	**.48482**	**.48216**
Stddev	.00307	.00158	.00051	.0001	.01083	.00016	.00067	.00456
%RSD	.58737	11.610	.10374	.00626	472.94	.03188	.13787	.94507
#1	.52506	.01248	.49215	1.0241	-.00537	.50045	.48529	.48538
#2	.52072	.01472	.49143	1.0240	.00995	.50067	.48434	.47894
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4038.2**	**63271.**	**6162.5**
Stddev	14.4	215.	21.5
%RSD	.35633	.34022	.34897
#1	4048.4	63423.	6147.3
#2	4028.0	63119.	6177.7

Sample Name: CCB Acquired: 4/9/2012 22:42:56 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00100**	**.00043**	**-.00008**	**.00084**	**-.00009**	**.00009**	**.00042**	**-.00404**	**-.00005**	**-.00010**	**-.00002**
Stddev	.00021	.00031	.00261	.00072	.00001	.00002	.00056	.00189	.00001	.00017	.00015
%RSD	20.800	71.520	3361.8	85.993	9.8615	22.507	134.21	46.669	11.903	162.43	710.44
#1	.00085	.00021	.00177	.00135	-.00010	.00007	.00082	-.00271	-.00006	.00002	.00008
#2	.00115	.00064	-.00192	.00033	-.00009	.00010	.00002	-.00538	-.00005	-.00022	-.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00215**	**-.00190**	**.05314**	**-.00141**	**-.00109**	**-.00003**	**.00103**	**.04186**	**-.00005**	**.00200**	**.00012**
Stddev	.00001	.00059	.01841	.00027	.00012	.00001	.00049	.00345	.00010	.00145	.00011
%RSD	.62704	31.385	34.634	18.816	11.012	32.514	47.334	8.2412	201.99	72.863	92.586
#1	-.00214	-.00232	.06616	-.00160	-.00100	-.00002	.00068	.03942	-.00012	.00303	.00019
#2	-.00216	-.00147	.04013	-.00122	-.00117	-.00003	.00137	.04430	.00002	.00097	.00004
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00630**	**.00093**	W **-.00726**	**-.00010**	**-.00021**	**.00034**	**.00001**	**.00103**	**.00035**	**.00201**	**-.02451**
Stddev	.00074	.00050	.00073	.01036	.02217	.00001	.00001	.00103	.00034	.00029	.01086
%RSD	11.795	53.287	10.103	10428.	10428.	2.1469	88.470	99.442	97.937	14.432	44.301
#1	.00683	.00058	-.00674	.00722	.01546	.00034	.00000	.00031	.00011	.00180	-.03219
#2	.00578	.00128	-.00778	-.00742	-.01589	.00033	.00001	.00176	.00059	.00221	-.01683
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00007**	**.00171**	**.00047**
Stddev	.00008	.00018	.00103
%RSD	116.14	10.785	217.87
#1	-.00001	.00158	.00120
#2	-.00013	.00184	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4066.8**	**64343.**	**6010.6**
Stddev	16.6	264.	24.1
%RSD	.40826	.41076	.40157
#1	4078.6	64530.	6027.7
#2	4055.1	64156.	5993.5

Sample Name: CCVL1351092 Acquired: 4/9/2012 22:45:21 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01171**	**.10673**	**.01530**	**.08949**	**.01085**	**.00113**	**.10660**	**.20892**	**.00495**	**.01028**	**.01050**	**.01355**	**.11011**	**3.2664**
Stddev	.00006	.00053	.00008	.00116	.00000	.00007	.00204	.00282	.00003	.00025	.00019	.00015	.00114	.0665
%RSD	.49802	.49890	.55273	1.2956	.00265	6.5736	1.9121	1.3501	.68138	2.3908	1.7920	1.1402	1.0321	2.0346
#1	.01167	.10710	.01524	.09031	.01085	.00118	.10805	.20693	.00493	.01046	.01037	.01345	.10931	3.2194
#2	.01175	.10635	.01536	.08867	.01085	.00107	.10516	.21092	.00498	.01011	.01063	.01366	.11092	3.3134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00827**	**.20700**	**.01062**	**.01899**	**1.1100**	**.04109**	**2.6528**	**.00822**	**.00857**	**.00941**	**.01065**	**.48432**	**1.0364**	**.10037**
Stddev	.00042	.00011	.00014	.00008	.0149	.00063	.0144	.00130	.00035	.00055	.00094	.00486	.0104	.00138
%RSD	5.0642	.05118	1.3496	.41014	1.3404	1.5428	.54255	15.787	4.0623	5.8759	8.8173	1.0034	1.0034	1.3772
#1	.00797	.20707	.01072	.01904	1.0995	.04154	2.6630	.00730	.00832	.00980	.01131	.48776	1.0438	.10135
#2	.00857	.20692	.01052	.01893	1.1205	.04065	2.6427	.00914	.00881	.00902	.00998	.48088	1.0291	.09939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01078**	**.01542**	**.01012**	**.01616**	**.07052**	**.00996**	**.02155**	**.01288**
Stddev	.00006	.00017	.00004	.00006	.01296	.00003	.00041	.00326
%RSD	.52525	1.0906	.39997	.36151	18.374	.33899	1.9092	25.354
#1	.01074	.01530	.01015	.01620	.07968	.00993	.02184	.01057
#2	.01082	.01553	.01009	.01612	.06136	.00998	.02126	.01519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.2**	**64633.**	**6070.2**
Stddev	21.1	37.	10.7
%RSD	.51534	.05769	.17619
#1	4082.2	64606.	6077.8
#2	4112.1	64659.	6062.7

Sample Name: mb 280-114600/1-a Acquired: 4/9/2012 22:47:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**.00707**	**.00088**	F **.01180**	**.00037**	**.00005**	**.00114**	**.03317**	**.00003**	**-.00009**
Stddev	.00002	.00005	.00044	.00007	.00019	.00000	.00007	.00261	.00023	.00005
%RSD	1.9071	.67065	49.857	.59630	52.099	7.1533	6.0130	7.8735	825.39	60.047
#1	.00123	.00710	.00057	.01185	.00051	.00005	.00109	.03132	.00019	-.00005
#2	.00120	.00704	.00119	.01175	.00024	.00004	.00119	.03501	-.00014	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00134**	**.01106**	**.05118**	**-.00129**	**.00390**	**.00021**	**-.00001**	**.25795**	**.00022**
Stddev	.00009	.00005	.00146	.02343	.00070	.00021	.00003	.00004	.00525	.00015
%RSD	25.586	3.5048	13.224	45.781	54.176	5.3451	13.807	273.33	2.0360	68.916
#1	.00027	-.00131	.01003	.03461	-.00080	.00404	.00023	.00001	.25423	.00033
#2	.00040	-.00138	.01210	.06775	-.00178	.00375	.00019	-.00004	.26166	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**.00184**	F **.03131**	**-.00129**	W **-.00554**	F **.05407**	**.11571**	**.00793**	**.00011**	**.00003**
Stddev	.00161	.00146	.00282	.00049	.00013	.01238	.02649	.00053	.00003	.00106
%RSD	33.814	79.120	8.9947	37.609	2.3297	22.895	22.895	6.6789	31.017	3204.1
#1	.00361	.00081	.02932	-.00095	-.00545	.06282	.13444	.00756	.00008	.00078
#2	.00588	.00287	.03331	-.00164	-.00563	.04531	.09697	.00831	.00013	-.00071
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000		.00500	.01000				
Low Limit			-.01000		-.00500	-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00094**	**-.02052**	**-.00003**	**.00264**	**.00126**
Stddev	.00002	.00017	.00793	.00010	.00039	.00142
%RSD	2.6445	18.442	38.626	305.25	14.581	113.21
#1	.00058	.00106	-.02612	-.00011	.00292	.00227
#2	.00061	.00081	-.01491	.00004	.00237	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4145.8**	**65641.**	**6164.5**
Stddev	3.8	393.	5.3
%RSD	.09277	.59829	.08662
#1	4148.5	65918.	6160.7
#2	4143.0	65363.	6168.2

Sample Name: lcs 280-114600/2-a Acquired: 4/9/2012 22:50:10 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05394**	**1.9273**	**.95523**	**1.0230**	**2.1403**	**.05075**	**2.0535**	**50.087**	**.10066**	**.49005**
Stddev	.00028	.0209	.00700	.0097	.0170	.00028	.0153	.126	.00102	.00450
%RSD	.52506	1.0833	.73256	.95104	.79572	.54699	.74601	.25130	1.0162	.91889
#1	.05374	1.9420	.96017	1.0299	2.1523	.05094	2.0643	50.176	.10138	.49324
#2	.05414	1.9125	.95028	1.0162	2.1282	.05055	2.0426	49.998	.09993	.48687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19995**	**.25711**	**1.0647**	**53.335**	**1.0378**	**49.004**	**.51761**	**1.0041**	**53.744**	**.49789**
Stddev	.00206	.00026	.0104	.272	.0083	.165	.00207	.0082	.473	.00466
%RSD	1.0324	.09919	.97484	.51016	.79695	.33636	.39957	.81761	.88099	.93521
#1	.20141	.25729	1.0720	53.528	1.0436	48.887	.51615	1.0099	54.079	.50118
#2	.19849	.25693	1.0573	53.143	1.0319	49.120	.51908	.99831	53.409	.49459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8117**	**.47655**	**.04458**	**.46517**	**2.0192**	**1.9234**	F **4.1161**	**2.0084**	**1.0688**	**.97329**
Stddev	.0771	.00517	.00213	.00380	.0156	.0090	.0193	.0234	.0086	.00014
%RSD	.78543	1.0841	4.7836	.81788	.77166	.46761	.46761	1.1647	.80933	.01415
#1	9.8662	.48020	.04608	.46786	2.0302	1.9298	4.1297	2.0250	1.0749	.97319
#2	9.7572	.47289	.04307	.46248	2.0082	1.9170	4.1025	1.9919	1.0626	.97339
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0111**	**1.9981**	**2.1875**	**.51398**	**.48562**	**.44928**
Stddev	.0021	.0248	.0141	.00030	.00010	.00269
%RSD	.20984	1.2433	.64546	.05914	.02051	.59935
#1	1.0096	2.0156	2.1776	.51376	.48555	.45119
#2	1.0126	1.9805	2.1975	.51419	.48569	.44738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3895.9**	**60978.**	**6090.3**
Stddev	34.1	102.	18.2
%RSD	.87525	.16778	.29853
#1	3871.8	60906.	6077.4
#2	3920.0	61051.	6103.2

Sample Name: 280-27405-a-1-a Acquired: 4/9/2012 22:52:19 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00163**	**69.045**	**.05456**	**.01351**	**.94798**	**.00400**	**.00279**	**12.760**	**.00169**	**.05586**
Stddev	.00004	.492	.00270	.00042	.00322	.00001	.00007	.127	.00009	.00004
%RSD	2.2163	.71267	4.9437	3.0901	.34001	.26063	2.5297	.99252	5.2385	.06967
#1	.00161	69.393	.05646	.01322	.95025	.00401	.00274	12.849	.00163	.05589
#2	.00166	68.697	.05265	.01381	.94570	.00399	.00284	12.670	.00176	.05584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09142**	**.23792**	**121.54**	**4.8983**	**.05305**	**10.399**	**7.3149**	**.00567**	**.54162**	**.08486**
Stddev	.00001	.00164	.79	.0231	.00010	.023	.0196	.00041	.00583	.00039
%RSD	.01027	.69013	.65281	.47214	.18598	.22214	.26827	7.2844	1.0765	.46067
#1	.09142	.23908	122.10	4.8820	.05312	10.383	7.3010	.00538	.54574	.08514
#2	.09141	.23676	120.98	4.9147	.05298	10.415	7.3288	.00596	.53750	.08459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1186**	**.25818**	**.57972**	**.00270**	W **-.00607**	**2.5247**	**5.4029**	**.00752**	**.08912**	**.02764**
Stddev	.0047	.00029	.00197	.00077	.00673	.0220	.0471	.00013	.00026	.00249
%RSD	.22071	.11057	.33903	28.526	110.81	.87133	.87133	1.7110	.28677	8.9959
#1	2.1219	.25838	.58111	.00215	-.01083	2.5403	5.4362	.00743	.08930	.02588
#2	2.1153	.25797	.57833	.00324	-.00131	2.5092	5.3696	.00761	.08894	.02940
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3618**	**-.00221**	F **-.18065**	**.18983**	**.48525**	**.01411**
Stddev	.0064	.00079	.01194	.00027	.00344	.00018
%RSD	.46724	35.757	6.6112	.14175	.70960	1.3088
#1	1.3663	-.00165	-.17220	.18964	.48281	.01424
#2	1.3573	-.00277	-.18909	.19002	.48768	.01398
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4403.5**	**68142.**	**6740.9**
Stddev	6.2	35.	85.1
%RSD	.14001	.05204	1.2627
#1	4399.1	68117.	6680.7
#2	4407.8	68167.	6801.1

Sample Name: 280-27405-a-2-a Acquired: 4/9/2012 22:54:41 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00425**	**67.896**	**.04252**	**.01710**	**1.0651**	**.00403**	W **.09230**	**17.018**	**.00199**	**.04620**
Stddev	.00028	.246	.00346	.00012	.0034	.00003	.00143	.054	.00004	.00029
%RSD	6.6045	.36301	8.1396	.68415	.32150	.83236	1.5533	.31520	1.9262	.62333
#1	.00445	67.722	.04007	.01718	1.0627	.00405	.09332	16.980	.00202	.04640
#2	.00405	68.070	.04497	.01702	1.0676	.00400	.09129	17.056	.00196	.04600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08945**	**6.1025**	**87.915**	**5.4423**	**.05260**	**11.938**	**6.6060**	**.00306**	**.52470**	**1.3003**
Stddev	.00014	.0340	.093	.0688	.00104	.082	.0063	.00000	.00039	.0002
%RSD	.15578	.55798	.10619	1.2647	1.9683	.68704	.09607	.12871	.07357	.01238
#1	.08955	6.0784	87.981	5.3936	.05334	11.880	6.6015	.00305	.52443	1.3002
#2	.08935	6.1266	87.849	5.4910	.05187	11.996	6.6105	.00306	.52498	1.3005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6744**	W **69.713**	**1.8086**	**.69618**	**-.00235**	**3.6172**	**7.7409**	**.03370**	**.08261**	**.01863**
Stddev	.0037	.005	.0011	.00358	.00105	.0402	.0860	.00134	.00034	.00190
%RSD	.10108	.00785	.06284	.51382	44.516	1.1114	1.1114	3.9884	.41694	10.187
#1	3.6718	69.716	1.8094	.69871	-.00161	3.5888	7.6801	.03275	.08237	.01729
#2	3.6770	69.709	1.8078	.69365	-.00310	3.6457	7.8017	.03465	.08285	.01997
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91413**	**-.00126**	F **-.17788**	**.15305**	**.70188**	**.01108**
Stddev	.00600	.00126	.00722	.00031	.00715	.00301
%RSD	.65625	100.04	4.0571	.20332	1.0192	27.215
#1	.90989	-.00037	-.17278	.15283	.69682	.00895
#2	.91838	-.00215	-.18299	.15327	.70694	.01321
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4324.0**	**67284.**	**6649.6**
Stddev	5.0	441.	34.4
%RSD	.11460	.65475	.51786
#1	4327.5	67595.	6625.2
#2	4320.5	66972.	6673.9

Sample Name: 280-27405-a-3-a Acquired: 4/9/2012 22:57:03 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00218**	**61.470**	**.04151**	**.02860**	**.89642**	**.00366**	**.01570**	**39.111**	**.00287**	**.03787**
Stddev	.00040	.564	.00162	.00018	.00768	.00014	.00076	.409	.00002	.00006
%RSD	18.494	.91783	3.8999	.63320	.85663	3.7550	4.8453	1.0448	.76386	.15867
#1	.00189	61.071	.04036	.02847	.89099	.00356	.01623	38.822	.00286	.03782
#2	.00246	61.869	.04265	.02872	.90185	.00376	.01516	39.400	.00289	.03791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12679**	**2.8562**	**108.40**	**7.2076**	**.04659**	**11.085**	**4.8241**	**.00340**	**.50281**	**.34971**
Stddev	.00006	.0302	1.04	.0976	.00064	.102	.0126	.00005	.00242	.00109
%RSD	.04774	1.0568	.95888	1.3537	1.3724	.91935	.26117	1.4503	.48083	.31045
#1	.12675	2.8349	107.67	7.1386	.04614	11.013	4.8330	.00336	.50110	.34895
#2	.12684	2.8776	109.14	7.2766	.04704	11.157	4.8152	.00343	.50452	.35048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.5136**	W **33.763**	**3.4145**	**.07769**	**-.00178**	**3.4731**	**7.4324**	**.01721**	**.14449**	**.01530**
Stddev	.0164	.139	.0030	.00125	.00486	.0044	.0094	.00031	.00143	.00038
%RSD	.46763	.41138	.08670	1.6120	273.25	.12590	.12590	1.8132	.98708	2.5119
#1	3.5020	33.665	3.4124	.07680	.00166	3.4700	7.4258	.01743	.14349	.01557
#2	3.5252	33.862	3.4166	.07857	-.00522	3.4762	7.4390	.01698	.14550	.01503
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88863**	**.00075**	F **-.12385**	**.18299**	**.69414**	**.01319**
Stddev	.00576	.00307	.01344	.00083	.00391	.00041
%RSD	.64871	410.75	10.850	.45215	.56284	3.1403
#1	.88455	.00292	-.11435	.18241	.69138	.01290
#2	.89271	-.00142	-.13335	.18358	.69691	.01348
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4289.5**	**66678.**	**6629.6**
Stddev	6.9	121.	44.3
%RSD	.16148	.18109	.66843
#1	4294.4	66764.	6660.9
#2	4284.6	66593.	6598.2

Sample Name: 280-27405-a-4-a Acquired: 4/9/2012 22:59:26 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**76.091**	**.04714**	**.01488**	**.77699**	**.00381**	**.00281**	**11.605**	**.00066**	**.05851**
Stddev	.00008	.049	.00112	.00035	.00002	.00003	.00026	.017	.00004	.00017
%RSD	7.4062	.06440	2.3777	2.3227	.00248	.73353	9.4024	.14339	6.1215	.28593
#1	.00113	76.126	.04794	.01512	.77698	.00383	.00299	11.617	.00063	.05863
#2	.00102	76.057	.04635	.01463	.77701	.00379	.00262	11.593	.00068	.05839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10719**	**.58944**	**106.91**	**6.5861**	**.05859**	**11.651**	**6.1972**	**.00440**	**.58998**	**.08133**
Stddev	.00004	.00269	.08	.0058	.00201	.079	.0380	.00034	.01106	.00036
%RSD	.03332	.45675	.07335	.08835	3.4305	.67460	.61374	7.6797	1.8742	.44861
#1	.10722	.59135	106.97	6.5902	.06001	11.707	6.2241	.00416	.58216	.08158
#2	.10717	.58754	106.86	6.5820	.05716	11.596	6.1703	.00464	.59780	.08107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4799**	**6.7581**	**.99298**	**.01850**	**-.00157**	**3.1492**	**6.7393**	**.00980**	**.08316**	**.02828**
Stddev	.0110	.0307	.00393	.00152	.00857	.0446	.0954	.00061	.00012	.00049
%RSD	.44437	.45352	.39624	8.2017	545.22	1.4153	1.4153	6.1887	.14086	1.7343
#1	2.4721	6.7364	.99020	.01742	.00449	3.1807	6.8068	.00937	.08307	.02793
#2	2.4877	6.7797	.99576	.01957	-.00763	3.1177	6.6719	.01023	.08324	.02863
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2628**	**.00073**	F **-.17804**	**.18907**	**.49273**	**.01272**
Stddev	.0096	.00019	.00411	.00125	.00341	.00097
%RSD	.76045	26.659	2.3077	.66222	.69228	7.5929
#1	1.2696	.00059	-.18094	.18995	.49515	.01341
#2	1.2561	.00087	-.17513	.18818	.49032	.01204
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4402.3**	**68054.**	**6825.1**
Stddev	16.8	675.	3.9
%RSD	.38148	.99162	.05703
#1	4414.2	67577.	6827.9
#2	4390.5	68531.	6822.4

Sample Name: 280-27405-a-4-aSD@5 Acquired: 4/9/2012 23:01:49 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**16.986**	**.01040**	**.00389**	**.17205**	**.00090**	**.00109**	**2.5982**	**.00015**	**.01299**
Stddev	.00025	.017	.00595	.00018	.00078	.00004	.00125	.0019	.00003	.00015
%RSD	22.924	.09923	57.243	4.7415	.45181	4.1172	114.88	.07294	19.092	1.1388
#1	.00127	16.998	.01461	.00402	.17260	.00087	.00020	2.5969	.00018	.01289
#2	.00092	16.974	.00619	.00376	.17150	.00092	.00197	2.5995	.00013	.01310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02407**	**.12743**	**23.462**	**1.4644**	**.01292**	**2.6471**	**1.4102**	**.00035**	**.14130**	**.01812**
Stddev	.00001	.00009	.017	.0011	.00012	.0168	.0118	.00013	.00820	.00027
%RSD	.03472	.07055	.07429	.07388	.93498	.63347	.83868	38.263	5.8046	1.4770
#1	.02408	.12749	23.475	1.4652	.01301	2.6353	1.4019	.00025	.14710	.01831
#2	.02407	.12737	23.450	1.4636	.01284	2.6590	1.4186	.00044	.13550	.01793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54879**	**1.5426**	**.22965**	**.00363**	W **-.00677**	**.66595**	**1.4251**	**.00232**	**.01847**	**.00654**
Stddev	.00267	.0065	.00133	.00119	.00092	.00669	.0143	.00109	.00013	.00022
%RSD	.48603	.41864	.57991	32.699	13.645	1.0040	1.0040	46.840	.69328	3.3989
#1	.54691	1.5381	.22871	.00447	-.00612	.66122	1.4150	.00155	.01856	.00638
#2	.55068	1.5472	.23059	.00279	-.00743	.67068	1.4353	.00309	.01838	.00669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28222**	**.00027**	W **-.05802**	**.04159**	**.11009**	**.00337**
Stddev	.01152	.00111	.00357	.00037	.00048	.00114
%RSD	4.0809	404.32	6.1484	.89418	.43189	33.833
#1	.27408	-.00051	-.06054	.04185	.10975	.00418
#2	.29036	.00106	-.05550	.04133	.11043	.00256
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4218.3**	**66048.**	**6350.5**
Stddev	9.6	358.	31.6
%RSD	.22757	.54235	.49835
#1	4225.0	66301.	6372.8
#2	4211.5	65795.	6328.1

Sample Name: 280-27405-a-4-b ms Acquired: 4/9/2012 23:04:10 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05133	124.96	.89809	.87676	2.9335	.05011	F 1.8421	60.204	.09187	.48937
Stddev	.00045	.02	.00102	.00307	.0039	.00026	.0072	.178	.00034	.00173
%RSD	.86866	.01628	.11317	.35016	.13278	.50991	.39225	.29642	.37084	.35397
#1	.05102	124.98	.89737	.87893	2.9307	.05029	1.8472	60.330	.09211	.49059
#2	.05165	124.95	.89880	.87459	2.9362	.04993	1.8370	60.078	.09163	.48814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.31128	.78289	105.84	63.193	1.0365	59.401	6.2378	.88006	49.972	.53224
Stddev	.00110	.00693	.00	.036	.0006	.654	.0482	.00354	.263	.00110
%RSD	.35476	.88486	.00281	.05737	.05866	1.1002	.77242	.40239	.52649	.20626
#1	.31206	.77799	105.84	63.168	1.0361	58.939	6.2037	.88256	50.158	.53301
#2	.31050	.78779	105.84	63.219	1.0369	59.863	6.2719	.87755	49.785	.53146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.723	6.0755	1.1265	.27135	1.8045	5.7805	12.370	1.6897	1.1205	.82726
Stddev	.045	.0180	.0104	.00089	.0100	.0260	.056	.0054	.0004	.00931
%RSD	.41784	.29665	.92439	.32808	.55489	.44959	.44959	.31823	.03584	1.1260
#1	10.754	6.0883	1.1339	.27197	1.8116	5.7988	12.410	1.6935	1.1208	.82067
#2	10.691	6.0628	1.1192	.27072	1.7974	5.7621	12.331	1.6858	1.1202	.83385
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1703	1.7282	1.8134	.72267	.93732	.35176
Stddev	.0300	.0033	.0142	.00533	.01225	.00266
%RSD	.94533	.19347	.78131	.73801	1.3074	.75520
#1	3.1491	1.7306	1.8033	.71890	.92866	.35364
#2	3.1915	1.7258	1.8234	.72644	.94599	.34988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4252.5	64740.	6692.1
Stddev	2.9	469.	23.9
%RSD	.06908	.72409	.35666
#1	4250.4	65071.	6709.0
#2	4254.6	64408.	6675.2

Sample Name: 280-27405-a-4-c msd Acquired: 4/9/2012 23:06:25 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .11512	75.563	.94458	.89025	2.2828	.04950	F 3.7626	56.062	.09464	.48104
Stddev	.00017	.905	.00050	.01297	.0289	.00051	.0773	.645	.00055	.00023
%RSD	.14540	1.1979	.05306	1.4568	1.2646	1.0232	2.0550	1.1509	.58308	.04867
#1	.11523	76.203	.94494	.89942	2.3032	.04986	3.8173	56.518	.09503	.48087
#2	.11500	74.923	.94423	.88108	2.2624	.04914	3.7079	55.606	.09425	.48120
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26788	.75180	65.041	58.279	1.0236	49.705	3.6596	.91123	51.002	.51266
Stddev	.00146	.00112	.828	.757	.0132	.219	.0122	.00226	.791	.00028
%RSD	.54441	.14880	1.2723	1.2987	1.2853	.44120	.33347	.24750	1.5503	.05505
#1	.26891	.75101	65.626	58.815	1.0329	49.860	3.6682	.91282	51.561	.51246
#2	.26685	.75259	64.456	57.744	1.0143	49.550	3.6510	.90963	50.443	.51286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.611	F 1177.5	1.6775	W 17.579	1.8697	4.5540	9.7455	1.7465	1.0516	.79510
Stddev	.107	8.6	.0169	.337	.0178	.0259	.0555	.0033	.0124	.00075
%RSD	.91826	.73319	1.0046	1.9143	.95375	.56924	.56924	.18723	1.1832	.09384
#1	11.686	1183.6	1.6894	17.817	1.8823	4.5723	9.7847	1.7442	1.0604	.79562
#2	11.536	1171.4	1.6656	17.341	1.8571	4.5356	9.7063	1.7488	1.0428	.79457
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	200.00		2.0000						
Low Limit	-1.0000	-.00600		-.01000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.1384	1.7590	1.8273	.60253	.70792	.37180
Stddev	.0039	.0048	.0012	.00011	.00307	.00670
%RSD	.18388	.27215	.06330	.01836	.43418	1.8016
#1	2.1412	1.7624	1.8265	.60245	.71009	.37654
#2	2.1356	1.7557	1.8281	.60261	.70574	.36707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4137.3	68506.	6606.9
Stddev	2.5	254.	102.5
%RSD	.06075	.37063	1.5514
#1	4135.5	68327.	6534.4
#2	4139.1	68686.	6679.4

Sample Name: 280-27405-a-4-aPDS Acquired: 4/9/2012 23:08:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04317**	**76.286**	**.24290**	**.09871**	**.88426**	**.05772**	**.00013**	**33.156**	**.05387**	**.10852**
Stddev	.00010	.643	.00218	.00030	.00647	.00055	.00023	.289	.00044	.00034
%RSD	.22909	.84239	.89615	.29981	.73119	.95843	179.82	.87024	.82542	.30964
#1	.04310	76.741	.24444	.09891	.88883	.05811	-.00004	33.360	.05355	.10828
#2	.04324	75.832	.24136	.09850	.87969	.05733	.00029	32.952	.05418	.10876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15735**	**.63189**	**106.72**	**29.444**	**.16899**	**32.494**	**6.0719**	**.04936**	**24.039**	**.13133**
Stddev	.00095	.00100	.60	.228	.00401	.298	.0609	.00117	.443	.00024
%RSD	.60590	.15881	.56152	.77494	2.3700	.91685	1.0032	2.3655	1.8444	.18474
#1	.15668	.63118	107.14	29.606	.17182	32.284	6.0288	.04853	24.352	.13116
#2	.15803	.63259	106.30	29.283	.16616	32.705	6.1150	.05018	23.725	.13150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.4813**	**6.6257**	**1.0053**	**.16929**	**.21039**	**7.5599**	**16.178**	**.09667**	**.14155**	**.23716**
Stddev	.0193	.0137	.0025	.01239	.00162	.1032	.221	.00092	.00102	.00128
%RSD	.43116	.20603	.24674	7.3190	.77099	1.3652	1.3652	.94962	.72337	.54062
#1	4.4676	6.6161	1.0036	.16053	.20924	7.6329	16.334	.09602	.14228	.23625
#2	4.4949	6.6354	1.0071	.17805	.21153	7.4869	16.022	.09732	.14083	.23807
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2899**	**.20996**	**.39342**	**.24239**	**.69464**	**.04615**
Stddev	.0099	.00019	.00052	.00199	.00769	.00182
%RSD	.76569	.09046	.13194	.82286	1.1074	3.9448
#1	1.2829	.20983	.39379	.24098	.68920	.04744
#2	1.2968	.21010	.39305	.24380	.70008	.04487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4351.4**	**67248.**	**6774.4**
Stddev	7.6	641.	29.2
%RSD	.17442	.95388	.43173
#1	4356.8	67702.	6753.8
#2	4346.1	66794.	6795.1

Sample Name: CCVH-1326164 Acquired: 4/9/2012 23:11:05 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00331**	**51.520**	**-.00284**	**.00263**	**.00018**	**.00009**	**.97033**	**-.00522**	**-.00011**	**.00012**	**.00103**	**.00405**
Stddev	.00013	.687	.00044	.00020	.00008	.00004	.00065	.00340	.00012	.00009	.00013	.00015
%RSD	3.8538	1.3335	15.624	7.4176	48.509	44.576	.06736	65.142	100.75	75.637	12.731	3.7169
#1	.00340	52.005	-.00253	.00249	.00012	.00012	.97079	-.00281	-.00020	.00018	.00113	.00395
#2	.00322	51.034	-.00315	.00277	.00024	.00006	.96987	-.00762	-.00003	.00006	.00094	.00416
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.587**	**.04003**	**.00017**	**.00599**	**-.00012**	**-.00025**	**257.63**	**.00204**	**.00218**	**.00899**	**4.7892**	**.01114**
Stddev	.629	.04380	.00017	.00272	.00007	.00021	3.59	.00014	.00170	.00335	.0106	.00056
%RSD	1.2196	109.44	100.72	45.322	61.325	85.054	1.3928	6.6196	77.794	37.226	.22043	5.0583
#1	52.032	.00905	.00005	.00407	-.00007	-.00040	260.17	.00214	.00098	.01135	4.7817	.01074
#2	51.142	.07100	.00030	.00791	-.00017	-.00010	255.09	.00195	.00338	.00662	4.7967	.01154
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00316**	**.00113**	**.00242**	**.00268**	**.00039**	W **4.6824**	**.00362**	**.00087**	**10.273**	**.00271**	**.00128**	**-.18780**
Stddev	.00009	.01230	.02631	.00112	.00001	.0243	.00013	.00168	.050	.00007	.00029	.00252
%RSD	2.7331	1086.5	1086.5	41.918	1.3160	.51909	3.5745	192.76	.48211	2.4208	22.469	1.3409
#1	-.00309	-.00756	-.01619	.00347	.00039	4.6652	.00353	.00207	10.238	.00276	.00148	-.18602
#2	-.00322	.00983	.02103	.00189	.00039	4.6996	.00372	-.00032	10.308	.00267	.00108	-.18958
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3989.4**	**61599.**	**6139.6**
Stddev	4.6	179.	53.8
%RSD	.11552	.29114	.87628
#1	3992.7	61725.	6101.6
#2	3986.1	61472.	6177.7

Sample Name: CCV-1343805 Acquired: 4/9/2012 23:13:26 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51135**	**.50719**	**.93648**	**.48208**	**.52877**	**.49700**	**-.00022**	**5.0453**	**.49058**	**.49254**	**.49374**	**.50610**	**2.6161**
Stddev	.00163	.00162	.00349	.00332	.00237	.00197	.00038	.0246	.00230	.00148	.00285	.00234	.0032
%RSD	.31813	.31936	.37273	.68911	.44784	.39625	171.79	.48800	.46897	.29991	.57815	.46247	.12294
#1	.51019	.50605	.93401	.47973	.53044	.49839	.00005	5.0628	.48896	.49149	.49172	.50445	2.6184
#2	.51250	.50834	.93894	.48443	.52709	.49560	-.00049	5.0279	.49221	.49358	.49576	.50776	2.6138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.323**	**1.0165**	**19.925**	**.50976**	**.48846**	**5.0635**	**.49526**	**.95646**	**.94634**	**.01584**	**.97382**	**1.0106**	**4.9628**
Stddev	.338	.0015	.105	.00329	.00162	.0359	.00160	.00366	.00640	.00515	.00448	.0060	.0620
%RSD	.64605	.14325	.52488	.64586	.33123	.70870	.32404	.38257	.67640	32.486	.46055	.59211	1.2493
#1	52.562	1.0175	19.851	.50743	.48731	5.0889	.49413	.95387	.94182	.01948	.97065	1.0064	5.0066
#2	52.084	1.0155	19.999	.51209	.48960	5.0381	.49640	.95905	.95087	.01220	.97699	1.0149	4.9190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.620**	**.99667**	**.51908**	**.01363**	**.49302**	**1.0235**	**-.01199**	**.50430**	**.49071**	**.48073**
Stddev	.133	.00347	.00180	.00028	.00245	.0034	.01708	.00380	.00420	.00108
%RSD	1.2493	.34866	.34676	2.0681	.49705	.32891	142.45	.75283	.85521	.22507
#1	10.714	.99422	.52036	.01383	.49129	1.0211	.00009	.50162	.48774	.48150
#2	10.527	.99913	.51781	.01343	.49476	1.0258	-.02407	.50699	.49368	.47997
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.4**	**63115.**	**6172.2**
Stddev	22.2	110.	62.1
%RSD	.54361	.17350	1.0057
#1	4093.1	63193.	6128.3
#2	4061.8	63038.	6216.1

Sample Name: CCB Acquired: 4/9/2012 23:15:38 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.00041**	**.00223**	**.00087**	**-.00008**	**.00007**	**-.00120**	**-.00288**	**-.00008**	**-.00005**	**.00004**
Stddev	.00029	.00032	.00190	.00038	.00017	.00000	.00158	.00090	.00012	.00001	.00011
%RSD	33.116	77.713	85.128	44.212	216.01	7.3472	131.10	31.166	140.09	26.660	252.35
#1	.00066	.00063	.00357	.00060	-.00020	.00007	-.00009	-.00224	-.00017	-.00006	-.00003
#2	.00106	.00018	.00089	.00114	.00004	.00006	-.00232	-.00351	.00000	-.00004	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00211**	**.00100**	**.06587**	**.00055**	**.00165**	**.00003**	**.00080**	**.03930**	**.00003**	**.00045**	**.00221**
Stddev	.00043	.00115	.03927	.00176	.00051	.00002	.00043	.00985	.00003	.00178	.00109
%RSD	20.369	115.46	59.615	322.07	30.688	76.739	54.182	25.063	117.05	391.31	49.419
#1	-.00242	.00018	.03810	-.00070	.00129	.00001	.00049	.03233	.00000	.00171	.00299
#2	-.00181	.00181	.09363	.00179	.00201	.00005	.00110	.04626	.00005	-.00080	.00144
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01454**	W **.00529**	**-.00317**	W **.04153**	**.08887**	**.00048**	**.00000**	**.00129**	**.00039**	**.00058**	**-.00641**
Stddev	.00191	.00304	.00225	.07775	.16639	.00004	.00001	.00065	.00018	.00158	.01257
%RSD	13.126	57.466	70.774	187.22	187.22	7.4941	343.65	50.550	47.418	275.19	196.14
#1	.01319	.00314	-.00159	-.01345	-.02878	.00050	.00000	.00175	.00026	-.00054	.00248
#2	.01589	.00744	-.00476	.09651	.20653	.00045	.00001	.00083	.00052	.00169	-.01530
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314		.03470							
Low Limit		-.00314		-.06940							

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00017**	**.00145**	**.00230**
Stddev	.00017	.00040	.00000
%RSD	102.86	27.826	.08645
#1	.00029	.00116	.00230
#2	.00005	.00174	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4085.5**	**64852.**	**5745.7**
Stddev	2.0	381.	421.5
%RSD	.04832	.58765	7.3352
#1	4084.1	65121.	6043.7
#2	4086.9	64582.	5447.7

Sample Name: CCVL1351092 Acquired: 4/9/2012 23:18:04 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01152**	**.10558**	**.01429**	**.09018**	**.01119**	**.00109**	**.10525**	**.20868**	**.00483**	**.01028**	**.01022**	**.01357**	**.11143**
Stddev	.00025	.00037	.00366	.00044	.00027	.00011	.00017	.00293	.00005	.00000	.00003	.00040	.00071
%RSD	2.1866	.34588	25.626	.49063	2.4514	9.6848	.15705	1.4033	1.0338	.01953	.24630	2.9269	.64005
#1	.01134	.10532	.01688	.09049	.01100	.00101	.10514	.20661	.00480	.01028	.01024	.01385	.11093
#2	.01170	.10584	.01170	.08987	.01138	.00116	.10537	.21075	.00487	.01028	.01020	.01329	.11194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3434**	**.01023**	**.20573**	**.01060**	**.01931**	**1.1136**	**.04102**	**2.6549**	**.00972**	**.01206**	**.01042**	**.01132**	**.48226**
Stddev	.0307	.00143	.00146	.00001	.00012	.0043	.00017	.0025	.00011	.00197	.00005	.00406	.01587
%RSD	.91798	13.956	.70782	.07040	.63181	.38300	.42115	.09546	1.1047	16.357	.51990	35.890	3.2902
#1	3.3651	.00922	.20470	.01060	.01922	1.1106	.04089	2.6531	.00964	.01345	.01046	.00845	.47104
#2	3.3217	.01124	.20676	.01061	.01939	1.1166	.04114	2.6566	.00979	.01066	.01038	.01419	.49348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0320**	**.10082**	**.01085**	**.01542**	**.00980**	**.01570**	F **.09051**	**.00987**	**.02207**	**.01408**
Stddev	.0340	.00010	.00005	.00084	.00009	.00154	.01166	.00017	.00022	.00007
%RSD	3.2902	.09452	.45248	5.4705	.89354	9.8279	12.879	1.7156	1.0193	.53255
#1	1.0080	.10089	.01088	.01601	.00986	.01679	.08227	.00975	.02191	.01402
#2	1.0561	.10075	.01081	.01482	.00974	.01461	.09875	.00999	.02222	.01413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4111.0**	**65283.**	**6101.7**
Stddev	3.9	37.	37.6
%RSD	.09579	.05673	.61619
#1	4113.8	65256.	6128.3
#2	4108.2	65309.	6075.1

Sample Name: 280-27405-a-5-a Acquired: 4/9/2012 23:20:27 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**71.598**	**.03791**	**.01430**	**.82402**	**.00384**	**.00003**	**8.6268**	**.00071**	**.05649**
Stddev	.00020	.094	.00259	.00009	.00094	.00002	.00046	.0291	.00015	.00011
%RSD	15.007	.13107	6.8189	.62687	.11462	.44484	1413.3	.33728	20.574	.18811
#1	.00118	71.664	.03974	.01424	.82336	.00386	-.00029	8.6474	.00081	.05656
#2	.00146	71.532	.03608	.01437	.82469	.00383	.00036	8.6062	.00060	.05641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08988**	**.07285**	**96.810**	**5.1052**	**.05526**	**11.437**	**5.3302**	**.00286**	**.49366**	**.08215**
Stddev	.00036	.00050	.314	.0026	.00267	.091	.0687	.00026	.00136	.00053
%RSD	.39501	.68538	.32438	.05001	4.8319	.79947	1.2892	9.1660	.27523	.63912
#1	.08963	.07250	97.032	5.1034	.05715	11.502	5.3788	.00268	.49462	.08178
#2	.09013	.07321	96.588	5.1070	.05337	11.373	5.2816	.00305	.49270	.08252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2766**	**.61291**	**1.0165**	**-.00121**	W **-.00514**	**3.6513**	**7.8137**	**.00591**	**.07697**	**.02924**
Stddev	.0049	.00623	.0000	.00424	.00603	.0177	.0378	.00036	.00035	.00095
%RSD	.21405	1.0169	.00352	351.54	117.37	.48364	.48364	6.1596	.45248	3.2374
#1	2.2732	.61731	1.0165	-.00421	-.00087	3.6388	7.7870	.00565	.07673	.02991
#2	2.2801	.60850	1.0165	.00179	-.00940	3.6637	7.8404	.00616	.07722	.02857
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4116**	**-.00026**	F **-.16954**	**.17035**	**.26601**	**.01468**
Stddev	.0148	.00088	.00081	.00163	.00297	.00143
%RSD	1.0497	341.96	.47573	.95609	1.1157	9.7681
#1	1.4221	.00036	-.16897	.17150	.26811	.01366
#2	1.4011	-.00088	-.17011	.16919	.26391	.01569
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4360.6**	**67701.**	**6690.9**
Stddev	4.6	353.	13.6
%RSD	.10484	.52145	.20269
#1	4357.4	67451.	6681.3
#2	4363.9	67951.	6700.5

Sample Name: 280-27405-a-6-a Acquired: 4/9/2012 23:22:49 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**62.214**	**.03701**	**.01328**	**.83444**	**.00350**	**.00096**	**14.401**	**.00180**	**.04664**
Stddev	.00012	.129	.00150	.00044	.00334	.00003	.00053	.001	.00010	.00016
%RSD	13.185	.20796	4.0443	3.2977	.40038	.75097	54.992	.00642	5.8324	.33310
#1	.00080	62.305	.03807	.01359	.83680	.00348	.00059	14.401	.00187	.04653
#2	.00097	62.122	.03595	.01297	.83208	.00352	.00133	14.402	.00173	.04675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09287**	**.26409**	**110.98**	**4.6032**	**.04752**	**10.055**	**5.0516**	**.00368**	**.48414**	**.08267**
Stddev	.00036	.00107	.24	.0452	.00191	.033	.0086	.00011	.01619	.00013
%RSD	.38292	.40454	.21388	.98256	4.0173	.32541	.16949	2.9573	3.3438	.15587
#1	.09312	.26333	111.15	4.6352	.04617	10.032	5.0455	.00360	.49559	.08276
#2	.09262	.26484	110.82	4.5712	.04887	10.078	5.0576	.00376	.47269	.08258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9348**	**.34421**	**.92094**	**.00144**	W **-.00711**	**3.1051**	**6.6448**	**.16295**	**.08616**	**.02701**
Stddev	.0079	.00093	.00185	.00173	.00164	.0320	.0685	.00112	.00015	.00050
%RSD	.40694	.27138	.20063	120.39	23.060	1.0303	1.0303	.69036	.17331	1.8600
#1	1.9292	.34355	.92225	.00267	-.00595	3.1277	6.6932	.16374	.08627	.02665
#2	1.9404	.34487	.91964	.00021	-.00827	3.0824	6.5964	.16215	.08606	.02736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3339**	**-.00043**	F **-.16869**	**.16095**	**.49144**	**.01212**
Stddev	.0065	.00152	.00934	.00078	.00242	.00078
%RSD	.48582	354.09	5.5364	.48743	.49258	6.4467
#1	1.3293	-.00150	-.16209	.16039	.48973	.01267
#2	1.3385	.00064	-.17530	.16150	.49315	.01157
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4369.9**	**67668.**	**6764.0**
Stddev	2.3	223.	51.8
%RSD	.05294	.32953	.76547
#1	4371.5	67826.	6727.4
#2	4368.3	67511.	6800.6

Sample Name: 280-27405-a-7-a Acquired: 4/9/2012 23:25:11 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**66.793**	**.04062**	**.01443**	**1.0357**	**.00378**	**.00159**	**11.798**	**.00141**	**.04815**
Stddev	.00023	.323	.00163	.00065	.0044	.00007	.00138	.045	.00021	.00001
%RSD	16.906	.48398	4.0145	4.5304	.42366	1.7250	86.738	.37966	14.801	.01414
#1	.00150	67.021	.04178	.01489	1.0388	.00383	.00062	11.830	.00156	.04815
#2	.00118	66.564	.03947	.01397	1.0326	.00374	.00257	11.766	.00126	.04816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08234**	**.57689**	**88.988**	**6.5682**	**.05382**	**10.583**	**6.4341**	**.00329**	**.47083**	**.08047**
Stddev	.00010	.00003	.547	.0051	.00119	.002	.0743	.00040	.00715	.00016
%RSD	.12612	.00523	.61424	.07748	2.2109	.01990	1.1551	12.175	1.5194	.19277
#1	.08241	.57686	89.374	6.5646	.05298	10.585	6.4867	.00300	.46577	.08058
#2	.08226	.57691	88.601	6.5718	.05466	10.582	6.3816	.00357	.47589	.08036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5897**	**5.6793**	**1.1515**	**.01721**	**-.00437**	**3.3159**	**7.0961**	**.00766**	**.08372**	**.02586**
Stddev	.0080	.0078	.0052	.00056	.00160	.0131	.0281	.00038	.00045	.00003
%RSD	.31088	.13811	.45324	3.2440	36.477	.39565	.39565	4.9990	.53684	.13004
#1	2.5953	5.6848	1.1552	.01681	-.00325	3.3252	7.1160	.00739	.08403	.02588
#2	2.5840	5.6738	1.1478	.01760	-.00550	3.3067	7.0763	.00793	.08340	.02584
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1143**	**-.00118**	F **-.17738**	**.15771**	**.47229**	**.01164**
Stddev	.0029	.00047	.00303	.00049	.00040	.00089
%RSD	.25759	39.471	1.7060	.31219	.08469	7.6031
#1	1.1163	-.00151	-.17952	.15806	.47200	.01227
#2	1.1122	-.00085	-.17524	.15736	.47257	.01102
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4431.2**	**68641.**	**6931.9**
Stddev	7.9	313.	47.9
%RSD	.17858	.45570	.69056
#1	4425.6	68862.	6898.1
#2	4436.8	68420.	6965.8

Sample Name: 280-27405-a-8-a Acquired: 4/9/2012 23:27:35 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114600 SOIL C DOD4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00751**	**37.138**	**.03791**	**.02510**	**.55829**	**.00211**	F **.11909**	**34.530**	**.00181**	**.05159**
Stddev	.00043	.074	.00255	.00047	.00254	.00001	.00152	.121	.00013	.00029
%RSD	5.7865	.19966	6.7307	1.8532	.45553	.67058	1.2794	.35136	7.1110	.55628
#1	.00782	37.086	.03611	.02542	.55649	.00210	.11802	34.445	.00190	.05179
#2	.00721	37.191	.03972	.02477	.56009	.00212	.12017	34.616	.00172	.05139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06189**	F **75.997**	**61.446**	**4.6652**	**.02598**	**8.4716**	**3.0073**	**.00262**	**.43391**	W **10.339**
Stddev	.00020	.104	.427	.0366	.00141	.0206	.0158	.00020	.00262	.006
%RSD	.33004	.13670	.69565	.78443	5.4270	.24321	.52624	7.6066	.60440	.06235
#1	.06175	76.071	61.144	4.6393	.02697	8.4570	3.0185	.00276	.43205	10.334
#2	.06204	75.924	61.748	4.6910	.02498	8.4862	2.9961	.00248	.43576	10.343
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit		50.000								10.000
Low Limit		-.02000								-.01000

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6406**	W **95.609**	**3.2149**	**.66869**	**-.00318**	**3.2310**	**6.9144**	**.05015**	**.12482**	**.01561**
Stddev	.0076	.005	.0154	.00118	.00049	.0234	.0500	.00044	.00052	.00085
%RSD	.20868	.00482	.47820	.17600	15.305	.72294	.72294	.88079	.41329	5.4360
#1	3.6460	95.606	3.2041	.66786	-.00284	3.2475	6.9497	.05046	.12445	.01621
#2	3.6352	95.613	3.2258	.66952	-.00352	3.2145	6.8790	.04984	.12518	.01501
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55177**	**-.00025**	W **-.07274**	**.09600**	**.77066**	**.01082**
Stddev	.00489	.00084	.00702	.00039	.00352	.00019
%RSD	.88704	340.03	9.6581	.40887	.45641	1.7783
#1	.54831	-.00084	-.07770	.09628	.76817	.01096
#2	.55523	.00035	-.06777	.09573	.77315	.01069
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.3**	**65574.**	**6520.2**
Stddev	5.6	31.	14.0
%RSD	.13642	.04720	.21468
#1	4121.2	65552.	6530.1
#2	4113.3	65596.	6510.3

Sample Name: CCVH-1326164 Acquired: 4/9/2012 23:30:02 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**51.631**	**-.00254**	**.00200**	**.00013**	**.00003**	**.96537**	**-.00461**	**-.00001**	**.00015**	**.00109**	**.00402**
Stddev	.00038	.123	.00311	.00049	.00006	.00003	.00252	.00513	.00002	.00015	.00013	.00059
%RSD	10.053	.23789	122.43	24.660	46.957	110.23	.26137	111.42	294.70	98.374	12.258	14.633
#1	.00403	51.544	-.00034	.00235	.00009	.00001	.96359	-.00098	-.00002	.00005	.00099	.00444
#2	.00349	51.718	-.00474	.00165	.00018	.00005	.96716	-.00824	.00001	.00026	.00118	.00361
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.751**	**.05293**	**-.00014**	**.00605**	**-.00008**	**-.00080**	**256.79**	**.00188**	**.00353**	**-.00140**	**4.7928**	**.00280**
Stddev	.051	.00588	.00192	.00217	.00005	.00021	.10	.00022	.00002	.00057	.0019	.00259
%RSD	.09827	11.117	1354.9	35.822	62.009	26.712	.04011	11.795	.47779	40.805	.04029	92.754
#1	51.715	.05709	-.00150	.00452	-.00012	-.00095	256.72	.00203	.00352	-.00180	4.7915	.00096
#2	51.787	.04877	.00122	.00759	-.00005	-.00065	256.87	.00172	.00354	-.00099	4.7942	.00463
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00358**	**-.00101**	**-.00217**	**.00149**	**.00043**	W **4.6710**	**.00330**	**.00024**	**10.238**	**.00261**	**.00079**	**-.18959**
Stddev	.00142	.01152	.02465	.00013	.00000	.0217	.00012	.00184	.093	.00024	.00071	.00156
%RSD	39.612	1138.8	1138.8	9.0435	.70501	.46419	3.5420	755.92	.90897	9.3519	89.654	.82397
#1	-.00257	-.00916	-.01960	.00139	.00042	4.6863	.00322	-.00106	10.304	.00243	.00129	-.19069
#2	-.00458	.00713	.01527	.00158	.00043	4.6557	.00339	.00155	10.172	.00278	.00029	-.18848
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3977.1**	**61353.**	**6099.1**
Stddev	4.9	37.	24.9
%RSD	.12346	.05964	.40873
#1	3980.5	61378.	6116.7
#2	3973.6	61327.	6081.4

Sample Name: CCV-1343805 Acquired: 4/9/2012 23:32:24 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53306**	**.50977**	**.93543**	**.48404**	**.53114**	**.49979**	**.00268**	**5.0640**	**.49211**	**.49278**	**.49468**	**.52612**	**2.6331**
Stddev	.03619	.00427	.00173	.00013	.00097	.00017	.00018	.0141	.00004	.00121	.00137	.03396	.0118
%RSD	6.7884	.83711	.18547	.02707	.18294	.03335	6.6479	.27869	.00879	.24644	.27611	6.4542	.44646
#1	.50748	.50675	.93666	.48413	.53183	.49967	.00281	5.0740	.49214	.49192	.49372	.50211	2.6415
#2	.55865	.51278	.93420	.48395	.53045	.49991	.00256	5.0540	.49208	.49364	.49565	.55013	2.6248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.655**	**1.0192**	**20.892**	**.53364**	**.48966**	**5.0881**	**.49578**	**.95577**	**.94489**	**.01294**	**.96842**	**1.0039**	**4.9823**
Stddev	.100	.0031	1.581	.03966	.00053	.0235	.00283	.00073	.00306	.00115	.00093	.0054	.0230
%RSD	.19084	.30240	7.5671	7.4317	.10780	.46234	.56999	.07676	.32414	8.8853	.09586	.53527	.46252
#1	52.726	1.0170	19.774	.50560	.48928	5.0715	.49378	.95629	.94272	.01213	.96777	1.0001	4.9986
#2	52.584	1.0214	22.010	.56168	.49003	5.1047	.49778	.95526	.94706	.01375	.96908	1.0077	4.9660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.662**	**1.0027**	**.52181**	**.01423**	**.51475**	**1.0260**	**-.00716**	**.52577**	**.51323**	**.48425**
Stddev	.049	.0046	.00075	.00059	.03537	.0033	.01258	.03536	.04299	.00501
%RSD	.46252	.45855	.14314	4.1497	6.8716	.32148	175.85	6.7253	8.3771	1.0354
#1	10.697	.99946	.52234	.01465	.48974	1.0237	-.01606	.50077	.48283	.48070
#2	10.627	1.0060	.52128	.01381	.53976	1.0284	.00174	.55077	.54363	.48779
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4057.5**	**60872.**	**6071.3**
Stddev	7.9	3641.	21.9
%RSD	.19504	5.9809	.36113
#1	4063.1	63447.	6055.8
#2	4051.9	58298.	6086.8

Sample Name: CCB Acquired: 4/9/2012 23:34:37 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00106**	**.00069**	**.00150**	**.00077**	**.00004**	**-.00002**	**.00172**	**-.00420**	**.00003**	**-.00012**	**.00011**
Stddev	.00027	.00078	.00295	.00018	.00015	.00002	.00162	.00091	.00002	.00005	.00012
%RSD	25.643	113.37	196.78	23.576	367.10	90.472	94.114	21.695	71.583	39.670	106.02
#1	.00125	.00124	-.00059	.00064	-.00007	-.00001	.00058	-.00485	.00005	-.00008	.00003
#2	.00086	.00014	.00358	.00090	.00015	-.00004	.00287	-.00356	.00002	-.00015	.00019
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00165**	**.00118**	**.01207**	**-.00095**	**-.00100**	**.00002**	**.00057**	**.04048**	**.00008**	**.00079**	**.00207**
Stddev	.00017	.00202	.01319	.00019	.00149	.00001	.00038	.01184	.00013	.00086	.00255
%RSD	10.230	170.85	109.35	20.216	148.40	49.189	66.144	29.246	163.51	108.63	123.35
#1	-.00153	-.00025	.02140	-.00081	-.00206	.00001	.00030	.03211	-.00001	.00018	.00387
#2	-.00177	.00261	.00274	-.00108	.00005	.00003	.00083	.04885	.00017	.00140	.00026
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00844**	**-.00005**	**-.00336**	**-.01700**	**-.03639**	**.00170**	**-.00002**	**.00002**	W **.00061**	**.00078**	**-.01507**
Stddev	.00232	.00290	.00196	.00459	.00981	.00061	.00002	.00050	.00001	.00240	.00278
%RSD	27.505	5891.7	58.457	26.975	26.975	35.587	82.011	2576.1	1.9757	307.06	18.476
#1	.00680	.00200	-.00474	-.01376	-.02945	.00213	-.00001	-.00034	.00062	-.00092	-.01310
#2	.01008	-.00210	-.00197	-.02025	-.04333	.00127	-.00003	.00038	.00060	.00248	-.01704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit									.00060		
Low Limit									-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00005**	**.00182**	**-.00001**
Stddev	.00010	.00002	.00077
%RSD	189.14	.89116	6212.8
#1	-.00012	.00181	-.00056
#2	.00002	.00183	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4082.8**	**64452.**	**6015.4**
Stddev	12.8	38.	107.4
%RSD	.31264	.05969	1.7856
#1	4073.8	64425.	6091.4
#2	4091.8	64479.	5939.5

Sample Name: CCVL1351092 Acquired: 4/9/2012 23:37:03 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01125**	**.10595**	**.01508**	**.08941**	**.01084**	**.00103**	**.10657**	**.20974**	**.00493**	**.01030**	**.01035**	**.01393**	**.10758**	**3.2956**
Stddev	.00014	.00100	.00511	.00019	.00003	.00005	.00146	.00702	.00012	.00002	.00016	.00049	.00324	.0566
%RSD	1.2293	.94465	33.895	.20735	.27766	4.9517	1.3701	3.3488	2.3881	.21559	1.5612	3.5335	3.0142	1.7191
#1	.01116	.10524	.01147	.08928	.01082	.00100	.10554	.21471	.00485	.01028	.01023	.01428	.10988	3.3357
#2	.01135	.10665	.01870	.08954	.01086	.00107	.10760	.20477	.00502	.01031	.01046	.01359	.10529	3.2556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.20454**	**.01075**	**.01917**	**1.1115**	**.04106**	**2.6512**	**.01012**	**.01015**	**.01022**	**.01611**	**.48277**	**1.0331**	**.09980**
Stddev	.00079	.00090	.00013	.00033	.0271	.00040	.0212	.00022	.00083	.00080	.00063	.00462	.0099	.00086
%RSD	7.4643	.44233	1.2282	1.7270	2.4406	.96727	.80041	2.1354	8.2241	7.8479	3.8896	.95733	.95733	.85829
#1	.01109	.20518	.01084	.01893	1.1307	.04078	2.6362	.00997	.00956	.00965	.01567	.47950	1.0261	.10041
#2	.00997	.20390	.01065	.01940	1.0923	.04134	2.6662	.01027	.01074	.01078	.01655	.48604	1.0401	.09919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01076**	**.01534**	**.00982**	**.01712**	**.05739**	**.01014**	**.02168**	**.01482**
Stddev	.00001	.00119	.00010	.00022	.00874	.00020	.00054	.00050
%RSD	.08871	7.7539	.98486	1.2602	15.223	2.0210	2.5139	3.4011
#1	.01077	.01618	.00975	.01728	.05121	.01000	.02206	.01518
#2	.01076	.01450	.00989	.01697	.06357	.01029	.02129	.01447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4105.2**	**64643.**	**6017.1**
Stddev	18.9	160.	60.4
%RSD	.45961	.24776	1.0032
#1	4118.5	64529.	5974.4
#2	4091.9	64756.	6059.8

Sample Name: mb 280-114539/1-a Acquired: 4/9/2012 23:39:26 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00235**	**-.00010**	**-.00005**	**.00029**	**.00005**	**-.00085**	F **.20419**	**-.00003**	**-.00015**
Stddev	.00024	.00032	.00121	.00006	.00020	.00002	.00093	.00067	.00001	.00007
%RSD	24.935	13.821	1222.3	122.87	68.718	46.230	110.26	.32617	31.682	45.983
#1	.00080	.00212	.00076	-.00001	.00015	.00007	-.00151	.20466	-.00004	-.00020
#2	.00114	.00258	-.00096	-.00009	.00043	.00003	-.00019	.20372	-.00003	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								.20000		
Low Limit								-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00138**	**.00351**	**.05487**	**-.00089**	**.03440**	**.00008**	**-.00006**	**.09016**	**.00012**
Stddev	.00011	.00015	.00148	.03031	.00048	.00025	.00001	.00002	.00702	.00050
%RSD	119.86	10.929	41.997	55.242	54.064	.71924	18.730	36.394	7.7901	401.24
#1	.00017	-.00127	.00247	.07631	-.00123	.03423	.00009	-.00008	.09513	.00048
#2	.00001	-.00149	.00456	.03344	-.00055	.03458	.00007	-.00005	.08520	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00167**	**.00050**	F **.08513**	**.00063**	**-.00146**	F **-.01094**	**-.02342**	**.00063**	**.00034**	**.00055**
Stddev	.00147	.00057	.00263	.00066	.00393	.00811	.01736	.00033	.00000	.00032
%RSD	87.913	113.81	3.0887	104.58	268.98	74.136	74.136	53.139	.52928	58.976
#1	.00272	.00010	.08327	.00110	-.00424	-.00521	-.01114	.00086	.00034	.00032
#2	.00063	.00091	.08699	.00016	.00132	-.01668	-.03570	.00039	.00034	.00078
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00058**	**.00652**	**.00012**	W **.00837**	**.00165**
Stddev	.00031	.00068	.00157	.00017	.00027	.00089
%RSD	88.615	117.30	24.038	134.50	3.2368	54.131
#1	.00056	.00107	.00541	.00024	.00856	.00228
#2	.00013	.00010	.00763	.00001	.00818	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4150.9**	**65225.**	**6131.4**
Stddev	4.1	28.	5.5
%RSD	.09971	.04263	.09043
#1	4147.9	65245.	6127.5
#2	4153.8	65206.	6135.4

Sample Name: lcs 280-114539/2-a Acquired: 4/9/2012 23:41:51 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05374**	**1.9136**	**.95516**	**.96138**	**2.1543**	**.05140**	**2.0473**	**50.424**	**.10059**	**.48820**
Stddev	.00047	.0126	.01183	.00541	.0409	.00125	.0091	.960	.00058	.00110
%RSD	.87034	.65941	1.2389	.56228	1.8970	2.4337	.44293	1.9033	.57864	.22585
#1	.05407	1.9046	.94679	.95755	2.1254	.05052	2.0409	49.745	.10018	.48742
#2	.05341	1.9225	.96353	.96520	2.1832	.05229	2.0537	51.102	.10100	.48898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19917**	**.25548**	**1.0611**	**53.798**	**1.0374**	**49.369**	**.51865**	**1.0032**	**54.252**	**.49705**
Stddev	.00038	.00052	.0132	.923	.0195	.436	.00339	.0009	.847	.00238
%RSD	.19249	.20225	1.2428	1.7155	1.8829	.88341	.65407	.08849	1.5606	.47910
#1	.19890	.25585	1.0518	53.145	1.0235	49.677	.52105	1.0026	53.653	.49537
#2	.19944	.25512	1.0704	54.450	1.0512	49.060	.51625	1.0039	54.851	.49873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7461**	**.46798**	**.05417**	**.47159**	**2.0248**	**10.270**	F **21.977**	**2.0103**	**1.0774**	**.97542**
Stddev	.0209	.00211	.00139	.00279	.0100	.159	.341	.0073	.0207	.00575
%RSD	.21445	.45000	2.5748	.59200	.49503	1.5507	1.5507	.36250	1.9243	.58999
#1	9.7313	.46947	.05319	.46961	2.0177	10.157	21.736	2.0052	1.0627	.97949
#2	9.7609	.46650	.05516	.47356	2.0319	10.382	22.218	2.0155	1.0921	.97135
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0048**	**1.9718**	**2.1605**	**.51257**	**.49081**	**.45373**
Stddev	.0054	.0141	.0021	.00409	.00603	.01167
%RSD	.53752	.71684	.09879	.79840	1.2286	2.5726
#1	1.0086	1.9618	2.1590	.51546	.49508	.44548
#2	1.0010	1.9818	2.1621	.50968	.48655	.46199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3935.3**	**61207.**	**6031.0**
Stddev	14.8	142.	95.8
%RSD	.37674	.23221	1.5882
#1	3945.8	61308.	6098.7
#2	3924.8	61107.	5963.2

Sample Name: 280-27276-e-1-b Acquired: 4/9/2012 23:43:59 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**15.476**	**.00358**	**.12072**	**.13640**	**.00090**	**-.00329**	**81.489**	**.00035**	**.00634**
Stddev	.00010	.043	.00063	.00091	.00028	.00000	.00086	.148	.00015	.00008
%RSD	12.690	.27873	17.510	.75342	.20658	.44326	26.226	.18125	43.767	1.2756
#1	.00090	15.507	.00403	.12007	.13660	.00089	-.00390	81.594	.00046	.00628
#2	.00075	15.446	.00314	.12136	.13620	.00090	-.00268	81.385	.00024	.00639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05257**	**.01687**	**15.544**	**6.5930**	**.02561**	**16.476**	**.27926**	**.00828**	W **548.09**	**.02781**
Stddev	.00007	.00059	.058	.0066	.00151	.069	.00213	.00089	1.38	.00032
%RSD	.12640	3.4782	.37026	.10071	5.8972	.42152	.76389	10.738	.25188	1.1396
#1	.05262	.01645	15.585	6.5883	.02454	16.427	.27776	.00765	549.07	.02759
#2	.05252	.01728	15.504	6.5977	.02668	16.526	.28077	.00891	547.12	.02804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35489**	**.01156**	F **355.79**	**.00013**	**.05152**	**32.433**	**69.406**	**.00183**	**1.0679**	**.00513**
Stddev	.00319	.00106	1.44	.00345	.00541	.063	.135	.00055	.0029	.00085
%RSD	.89986	9.1338	.40594	2688.0	10.492	.19386	.19386	30.233	.27155	16.567
#1	.35715	.01231	354.77	.00257	.05534	32.388	69.311	.00144	1.0699	.00573
#2	.35264	.01082	356.81	-.00231	.04770	32.477	69.501	.00222	1.0658	.00453
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50222**	**.00083**	**-.00636**	**.03223**	**.05282**	**.00289**
Stddev	.00221	.00106	.00444	.00004	.00039	.00061
%RSD	.43956	127.99	69.875	.11598	.74752	21.080
#1	.50066	.00157	-.00322	.03225	.05254	.00246
#2	.50378	.00008	-.00950	.03220	.05310	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3839.9**	**58088.**	**6092.7**
Stddev	16.9	343.	20.8
%RSD	.44037	.59089	.34185
#1	3851.8	58331.	6078.0
#2	3827.9	57845.	6107.5

Sample Name: 280-27276-e-1-bSD@5 Acquired: 4/9/2012 23:46:25 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	W **3.1270**	**.00030**	**.02619**	**.02784**	**.00023**	**.00137**	**16.508**	**-.00010**	**.00105**
Stddev	.00004	.0129	.00520	.00074	.00007	.00005	.00147	.112	.00004	.00002
%RSD	3.3368	.41312	1721.1	2.8151	.24505	20.365	107.13	.67846	33.891	1.8131
#1	.00120	3.1361	-.00337	.02566	.02789	.00027	.00033	16.587	-.00008	.00104
#2	.00126	3.1178	.00398	.02671	.02779	.00020	.00240	16.429	-.00013	.00107
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01130**	**.00258**	**3.1956**	**1.4170**	**.00528**	**3.4443**	**.05608**	**.00124**	**111.76**	**.00592**
Stddev	.00015	.00026	.0171	.0350	.00013	.0207	.00020	.00004	.38	.00009
%RSD	1.3601	10.217	.53582	2.4678	2.5411	.60053	.36501	3.6237	.34343	1.4780
#1	.01141	.00239	3.2077	1.4417	.00537	3.4296	.05594	.00121	112.03	.00598
#2	.01120	.00276	3.1835	1.3923	.00518	3.4589	.05623	.00127	111.48	.00586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07136**	**.00225**	**73.468**	**-.00183**	**.00895**	**6.5031**	**13.917**	**.00045**	**.21550**	**.00133**
Stddev	.00317	.00000	.713	.00036	.00026	.0317	.068	.00014	.00100	.00058
%RSD	4.4471	.19997	.97071	19.439	2.8731	.48689	.48689	30.656	.46307	43.816
#1	.06911	.00225	72.963	-.00208	.00877	6.5255	13.965	.00055	.21621	.00092
#2	.07360	.00225	73.972	-.00158	.00913	6.4807	13.869	.00036	.21480	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09975**	**.00075**	**-.00992**	**.00623**	**.01565**	**.00015**
Stddev	.00073	.00009	.02551	.00042	.00052	.00073
%RSD	.73285	11.786	257.14	6.8112	3.3339	488.52
#1	.09923	.00069	.00812	.00593	.01528	-.00037
#2	.10027	.00082	-.02796	.00653	.01602	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4042.7**	**62498.**	**6135.5**
Stddev	25.6	53.	34.3
%RSD	.63395	.08447	.55978
#1	4060.8	62536.	6111.2
#2	4024.5	62461.	6159.8

Sample Name: 280-27276-e-1-c ms Acquired: 4/9/2012 23:48:46 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05658**	**23.963**	**.98079**	**1.0668**	**2.3170**	**.05164**	F **2.0167**	**131.43**	**.10240**	**.48061**
Stddev	.00008	.121	.00292	.0022	.0109	.00022	.0017	.77	.00007	.00036
%RSD	.14109	.50385	.29770	.20157	.46917	.41965	.08570	.58340	.06348	.07440
#1	.05652	23.878	.98285	1.0653	2.3093	.05149	2.0179	130.89	.10245	.48086
#2	.05664	24.048	.97872	1.0683	2.3247	.05180	2.0154	131.97	.10235	.48035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25157**	**.27676**	**17.677**	**62.662**	**1.0887**	**63.864**	**.78757**	**.99297**	W **607.97**	**.50838**
Stddev	.00055	.00028	.114	.347	.0048	.526	.00438	.00074	3.46	.00129
%RSD	.21887	.10202	.64237	.55387	.44427	.82354	.55669	.07453	.56870	.25318
#1	.25196	.27656	17.597	62.417	1.0853	64.236	.79067	.99349	605.53	.50929
#2	.25118	.27696	17.757	62.908	1.0921	63.493	.78447	.99245	610.42	.50747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.373**	**.44797**	F **363.57**	**.46767**	**2.1737**	W **57.472**	**122.99**	**1.9144**	**2.1666**	**.97764**
Stddev	.001	.00161	.89	.00099	.0071	.242	.52	.0050	.0129	.00328
%RSD	.00571	.36016	.24553	.21089	.32458	.42096	.42096	.26385	.59583	.33537
#1	10.374	.44911	364.20	.46837	2.1787	57.301	122.62	1.9180	2.1574	.97996
#2	10.373	.44683	362.93	.46697	2.1687	57.643	123.36	1.9108	2.1757	.97532
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6023**	**1.7608**	**2.1187**	**.55095**	**.53311**	**.45858**
Stddev	.0074	.0005	.0102	.00228	.00478	.00356
%RSD	.46030	.02625	.48263	.41396	.89597	.77605
#1	1.6075	1.7605	2.1114	.55257	.53649	.45606
#2	1.5971	1.7611	2.1259	.54934	.52974	.46110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3749.5**	**57912.**	**6078.3**
Stddev	.4	200.	7.7
%RSD	.01109	.34503	.12657
#1	3749.2	57771.	6083.7
#2	3749.8	58053.	6072.9

Sample Name: 280-27276-e-1-d msd Acquired: 4/9/2012 23:51:01 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05575**	**24.164**	**.99223**	**1.0715**	**2.3252**	**.05200**	F **2.0248**	**134.15**	**.10271**	**.48318**
Stddev	.00007	.089	.00418	.0002	.0103	.00007	.0040	.45	.00023	.00035
%RSD	.13398	.37012	.42148	.02021	.44111	.12993	.19963	.33761	.22724	.07194
#1	.05569	24.101	.98927	1.0714	2.3180	.05205	2.0276	133.83	.10255	.48293
#2	.05580	24.228	.99518	1.0717	2.3325	.05196	2.0219	134.47	.10288	.48342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25317**	**.27565**	**17.941**	**62.762**	**1.0927**	**64.176**	**.79172**	**.99464**	W **620.42**	**.51108**
Stddev	.00041	.00136	.078	.506	.0027	.273	.00097	.00229	3.56	.00006
%RSD	.16098	.49486	.43718	.80549	.24435	.42469	.12311	.23051	.57440	.01136
#1	.25346	.27661	17.886	62.405	1.0908	64.368	.79241	.99626	617.90	.51112
#2	.25289	.27468	17.997	63.120	1.0946	63.983	.79103	.99302	622.94	.51103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.422**	**.45240**	F **370.27**	**.46696**	**2.1795**	W **58.368**	**124.91**	**1.9090**	**2.1895**	**.98001**
Stddev	.036	.00134	.09	.00073	.0063	.211	.45	.0022	.0108	.00340
%RSD	.34931	.29687	.02342	.15594	.28821	.36164	.36164	.11690	.49128	.34655
#1	10.396	.45145	370.33	.46644	2.1751	58.218	124.59	1.9106	2.1819	.98241
#2	10.447	.45335	370.21	.46747	2.1840	58.517	125.23	1.9074	2.1971	.97760
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6052**	**1.7594**	**2.1221**	**.54887**	**.53596**	**.46028**
Stddev	.0069	.0091	.0173	.00185	.00142	.00249
%RSD	.43218	.51609	.81613	.33710	.26445	.54080
#1	1.6101	1.7658	2.1098	.55018	.53696	.45852
#2	1.6003	1.7530	2.1343	.54756	.53496	.46204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3733.0**	**57807.**	**6107.8**
Stddev	1.0	24.	52.4
%RSD	.02682	.04161	.85782
#1	3732.3	57790.	6144.9
#2	3733.7	57824.	6070.8

Sample Name: 280-27276-e-2-d Acquired: 4/9/2012 23:53:15 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**25.244**	**.00957**	**.18873**	**.16774**	**.00129**	**-.00356**	**78.804**	**.00047**	**.01035**
Stddev	.00041	.016	.00147	.00024	.00010	.00001	.00215	.062	.00007	.00008
%RSD	33.781	.06409	15.374	.12874	.06091	1.1275	60.396	.07906	15.834	.80071
#1	.00093	25.255	.00853	.18855	.16781	.00130	-.00509	78.760	.00042	.01029
#2	.00152	25.232	.01061	.18890	.16766	.00128	-.00204	78.848	.00052	.01040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05890**	**.02730**	**25.428**	**7.4343**	**.04997**	**13.730**	**.53975**	**.01460**	**458.92**	**.03769**
Stddev	.00022	.00081	.051	.0299	.00026	.105	.00372	.00124	.92	.00045
%RSD	.36966	2.9713	.19922	.40201	.52652	.76335	.68871	8.5146	.20018	1.2030
#1	.05874	.02673	25.464	7.4554	.04979	13.656	.53712	.01373	459.57	.03737
#2	.05905	.02788	25.393	7.4131	.05016	13.804	.54238	.01548	458.27	.03801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49000**	**.01433**	F **306.17**	**-.00063**	**.00144**	**42.629**	**91.227**	**.00118**	**.81409**	**.00737**
Stddev	.00137	.00025	.71	.00011	.00130	.043	.092	.00016	.00048	.00112
%RSD	.27932	1.7769	.23222	17.097	90.537	.10051	.10051	13.528	.05886	15.251
#1	.48903	.01451	305.66	-.00071	.00052	42.599	91.162	.00107	.81443	.00658
#2	.49097	.01415	306.67	-.00056	.00236	42.660	91.292	.00130	.81375	.00817
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87534**	**.00247**	**-.02905**	**.05056**	**.07898**	**.00539**
Stddev	.00561	.00123	.01560	.00052	.00117	.00024
%RSD	.64094	49.770	53.698	1.0311	1.4811	4.4954
#1	.87137	.00333	-.01802	.05020	.07816	.00557
#2	.87931	.00160	-.04008	.05093	.07981	.00522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3861.2**	**59499.**	**6166.2**
Stddev	22.5	395.	5.8
%RSD	.58175	.66397	.09358
#1	3877.1	59778.	6170.3
#2	3845.3	59219.	6162.1

Sample Name: 280-27279-d-1-a Acquired: 4/9/2012 23:55:41 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00131	.00587	.00025	.04580	.10060	.00014	-.00173	6.7116	.00003	-.00031
Stddev	.00001	.00023	.00097	.00014	.00014	.00005	.00141	.0782	.00006	.00009
%RSD	1.1316	3.9993	392.69	.29842	.13877	35.763	81.723	1.1646	224.66	29.072
#1	.00132	.00604	.00093	.04590	.10051	.00011	-.00273	6.6564	.00007	-.00025
#2	.00130	.00571	-.00044	.04571	.10070	.00018	-.00073	6.7669	-.00002	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.00187	.12060	2.2967	.01443	.56278	.01638	.00525	71.781	.00033
Stddev	.00022	.00050	.00145	.0118	.00043	.00217	.00005	.00048	.726	.00018
%RSD	104.42	26.550	1.2013	.51472	3.0101	.38494	.30295	9.1257	1.0113	56.402
#1	.00005	.00222	.11958	2.3050	.01412	.56431	.01634	.00491	71.268	.00020
#2	.00036	.00152	.12163	2.2883	.01474	.56125	.01641	.00559	72.295	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00651	.00212	5.9493	-.00142	-.00297	6.1121	13.080	.00156	.14424	.00043
Stddev	.00214	.00098	.0108	.00167	.00496	.0844	.181	.00039	.00145	.00013
%RSD	32.859	46.030	.18100	117.72	166.82	1.3805	1.3805	25.003	1.0033	30.630
#1	.00802	.00281	5.9569	-.00024	-.00648	6.0524	12.952	.00129	.14322	.00053
#2	.00499	.00143	5.9417	-.00260	.00053	6.1717	13.207	.00184	.14527	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00092	.00051	-.00772	-.00004	.10545	.00277
Stddev	.00008	.00235	.01960	.00042	.00043	.00055
%RSD	8.5428	463.25	253.99	1123.6	.41018	19.702
#1	.00098	.00217	.00614	.00026	.10514	.00239
#2	.00087	-.00115	-.02158	-.00033	.10575	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4003.9	63454.	6215.1
Stddev	6.3	231.	53.4
%RSD	.15671	.36479	.85984
#1	3999.5	63617.	6252.9
#2	4008.4	63290.	6177.3

Sample Name: 280-27283-b-1-e Acquired: 4/9/2012 23:58:04 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**.02088**	**.00322**	**.00974**	**.02637**	**.00005**	**.00027**	**27.693**	**.00005**	**.00014**
Stddev	.00045	.00023	.00285	.00015	.00057	.00008	.00173	.487	.00009	.00017
%RSD	31.498	1.0827	88.744	1.5839	2.1615	152.28	641.22	1.7568	164.66	120.33
#1	.00176	.02072	.00523	.00963	.02677	.00011	-.00095	28.037	-.00001	.00002
#2	.00112	.02104	.00120	.00985	.02596	.00000	.00149	27.349	.00012	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00408**	**.00795**	**1.0333**	**.00447**	**5.5955**	**.00060**	**.00068**	**7.8499**	**-.00011**
Stddev	.00001	.00032	.00062	.0117	.00038	.0057	.00000	.00010	.0975	.00035
%RSD	1.9926	7.7440	7.8050	1.1278	8.4297	.10155	.41495	14.800	1.2419	325.46
#1	.00057	.00385	.00751	1.0416	.00420	5.5996	.00060	.00061	7.9189	.00014
#2	.00059	.00430	.00839	1.0251	.00474	5.5915	.00060	.00075	7.7810	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00379**	**.00321**	**12.095**	**-.00124**	**-.00286**	**2.9237**	**6.2568**	**.00064**	**.18840**	**.00029**
Stddev	.00004	.00066	.026	.00006	.00209	.0645	.1380	.00003	.00240	.00058
%RSD	1.1778	20.668	.21128	4.5625	72.927	2.2053	2.2053	4.9529	1.2763	197.45
#1	.00382	.00274	12.077	-.00120	-.00139	2.9693	6.3543	.00062	.19010	.00070
#2	.00376	.00368	12.113	-.00128	-.00434	2.8781	6.1592	.00067	.18670	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00110**	**-.00251**	**.00038**	**.00399**	**-.00004**
Stddev	.00009	.00097	.00062	.00054	.00013	.00112
%RSD	18.151	88.860	24.851	141.39	3.2384	2573.1
#1	.00043	.00178	-.00296	.00000	.00409	-.00084
#2	.00055	.00041	-.00207	.00076	.00390	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4043.0**	**63597.**	**6010.9**
Stddev	11.7	46.	63.0
%RSD	.28837	.07229	1.0473
#1	4051.3	63564.	5966.4
#2	4034.8	63629.	6055.4

Sample Name: 280-27195-a-4-a Acquired: 4/10/2012 0:00:27 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.00025**	**.01729**	k **.00773**	k **.01220**	**.01199**	k **.00007**	k **.00128**	k **74.911**	k **.00007**	k **-.00011**
Stddev	.00241	.00134	.00006	.00006	.00020	.00002	.00159	.267	.00000	.00005
%RSD	960.99	7.7698	.74421	.45357	1.6973	24.038	123.94	.35706	4.0524	42.860
#1	.00145	.01824	.00769	.01217	.01213	.00005	.00016	75.100	.00008	-.00014
#2	s -.00196	.01634	k .00777	k .01224	.01185	k .00008	k .00240	k 74.722	k .00007	k -.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00060**	s **.00711**	**1.8850**	**.60868**	k **.00279**	s **2.2531**	s **.03699**	k **.00000**	**5.5362**	**.00038**
Stddev	.00009	.01166	.0055	.00904	.00088	.8841	.01454	.0002	.0165	.00017
%RSD	14.413	163.97	.29052	1.4855	31.457	39.240	39.310	15500.	.29777	45.124
#1	.00054	-.00113	1.8889	.61508	.00217	1.6279	.02671	-.00017	5.5479	.00026
#2	k .00066	s .01536	1.8811	.60229	k .00342	s 2.8782	s .04728	k .00016	5.5246	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.23462**	k **.00088**	k **1.8763**	k **-.00039**	k **-.00402**	k **2.1269**	k **4.5516**	k **.00079**	**.41396**	s **.00095**
Stddev	.00035	.00082	.0208	.00017	.00067	.0050	.0108	.00114	.00142	.00122
%RSD	.15046	93.937	1.1108	43.062	16.714	.23727	.23727	143.00	.34306	128.35
#1	.23487	.00029	1.8910	-.00027	-.00450	2.1233	4.5439	.00160	.41497	.00009
#2	k .23437	k .00146	k 1.8615	k -.00051	k -.00355	k 2.1305	k 4.5592	k -.00001	.41296	s .00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00183**	k **.00113**	s **-.02460**	s **.00112**	s **.00701**	k **.00094**
Stddev	.00160	.00172	.00990	.00117	.00324	.00063
%RSD	87.157	151.93	40.250	105.03	46.138	67.474
#1	.00070	-.00008	-.01760	.00029	.00473	.00139
#2	s .00296	k .00235	s -.03160	s .00195	s .00930	k .00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4014.6**	^ *****	**6066.7**
Stddev	7.4	-----	12.3
%RSD	.18376	-----	.20293
#1	4009.4	62806.	6058.0
#2	4019.8	^ -----	6075.4

Sample Name: CCVH-1326164 Acquired: 4/10/2012 0:02:50 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**52.496**	**-.00031**	**.00243**	**.00031**	**.00004**	**.97967**	**.00085**	**-.00013**	**.00020**	**.00100**	**.00347**
Stddev	.00059	.133	.00146	.00046	.00003	.00013	.00051	.00006	.00012	.00008	.00008	.00038
%RSD	18.011	.25411	465.36	18.816	10.598	294.19	.05209	7.5521	94.393	40.447	7.7222	10.941
#1	.00369	52.402	.00072	.00275	.00028	.00014	.97931	.00089	-.00004	.00014	.00105	.00374
#2	.00286	52.591	-.00134	.00211	.00033	-.00005	.98003	.00080	-.00021	.00025	.00094	.00320
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.706**	**.16866**	**.00082**	**.00621**	**-.00010**	**-.00086**	**262.08**	**.00172**	**.00296**	**-.00354**	**4.8800**	**-.00399**
Stddev	.135	.02159	.00179	.00333	.00005	.00024	.13	.00002	.00139	.00119	.0051	.00230
%RSD	.25628	12.802	218.95	53.520	46.732	27.736	.05131	.95619	46.831	33.526	.10531	57.535
#1	52.610	.18393	-.00045	.00856	-.00007	-.00069	262.17	.00171	.00198	-.00270	4.8763	-.00237
#2	52.801	.15340	.00209	.00386	-.00013	-.00103	261.98	.00173	.00394	-.00438	4.8836	-.00562
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00553**	**.00441**	**.00945**	**.00232**	**.00049**	W **4.7283**	**.00335**	**.00070**	**10.378**	**.00276**	**.00151**	**-.18980**
Stddev	.00362	.00029	.00063	.00022	.00000	.0062	.00006	.00091	.011	.00006	.00055	.00139
%RSD	65.504	6.6215	6.6215	9.4063	.66330	.13183	1.6928	130.07	.10791	2.0094	36.667	.73296
#1	-.00297	.00421	.00900	.00247	.00049	4.7327	.00339	.00006	10.386	.00280	.00190	-.19078
#2	-.00809	.00462	.00989	.00216	.00050	4.7239	.00331	.00134	10.370	.00273	.00112	-.18881
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3963.7**	**61538.**	**6004.6**
Stddev	.5	264.	24.1
%RSD	.01249	.42853	.40139
#1	3964.1	61724.	6021.7
#2	3963.4	61352.	5987.6

Sample Name: CCV-1343805 Acquired: 4/10/2012 0:05:11 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51494**	**.51390**	**.95009**	**.48647**	**.53985**	**.50817**	**.00287**	**5.1506**	**.49607**	**.49975**	**.49998**	**.50618**	**2.6826**
Stddev	.00162	.00099	.00058	.00015	.00064	.00058	.00105	.0045	.00133	.00186	.00224	.00128	.0146
%RSD	.31389	.19218	.06124	.03082	.11835	.11318	36.586	.08728	.26895	.37260	.44857	.25365	.54276
#1	.51609	.51460	.95050	.48657	.53940	.50858	.00213	5.1538	.49702	.50107	.50156	.50709	2.6723
#2	.51380	.51320	.94968	.48636	.54030	.50776	.00361	5.1474	.49513	.49844	.49839	.50527	2.6929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.597**	**1.0388**	**20.252**	**.51767**	**.49472**	**5.2344**	**.50179**	**.96518**	**.96000**	**.03445**	**.97740**	**1.0151**	**5.1182**
Stddev	.105	.0022	.035	.00088	.00241	.0084	.00266	.00364	.00337	.00016	.00092	.0036	.0491
%RSD	.19604	.20744	.17099	.17030	.48759	.16059	.52914	.37758	.35052	.46990	.09424	.34952	.95842
#1	53.523	1.0373	20.276	.51830	.49643	5.2404	.50367	.96775	.96238	.03456	.97806	1.0176	5.0835
#2	53.671	1.0404	20.227	.51705	.49301	5.2285	.49991	.96260	.95762	.03433	.97675	1.0126	5.1529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.953**	**1.0088**	**.53188**	**.01363**	**.49721**	**1.0353**	**-.00923**	**.50936**	**.49986**	**.48911**
Stddev	.105	.0045	.00104	.00017	.00031	.0034	.01531	.00190	.00097	.00104
%RSD	.95842	.45018	.19472	1.2694	.06325	.32947	165.90	.37328	.19430	.21331
#1	10.879	1.0121	.53115	.01350	.49699	1.0378	-.02006	.51071	.50055	.48837
#2	11.027	1.0056	.53261	.01375	.49744	1.0329	.00160	.50802	.49917	.48985
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4040.2**	**62411.**	**5989.5**
Stddev	1.0	95.	36.8
%RSD	.02553	.15297	.61380
#1	4041.0	62344.	6015.5
#2	4039.5	62479.	5963.5

Sample Name: CCB Acquired: 4/10/2012 0:07:24 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00120**	**-.00006**	**.00146**	**.00054**	**-.00019**	**.00005**	**.00092**	**-.00440**	**-.00006**	**-.00002**	**-.00002**
Stddev	.00063	.00004	.00205	.00037	.00001	.00004	.00252	.00023	.00002	.00002	.00000
%RSD	52.558	66.581	141.00	69.364	3.8621	83.631	274.28	5.2439	27.757	73.663	5.3569
#1	.00165	-.00003	.00291	.00080	-.00020	.00008	.00270	-.00456	-.00004	-.00004	-.00002
#2	.00076	-.00008	.00000	.00028	-.00019	.00002	-.00086	-.00424	-.00007	-.00001	-.00002
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00188**	**.00181**	**.07195**	**.00071**	**-.00013**	**.00004**	**.00078**	W **.09827**	**.00005**	**.00072**	**.00068**
Stddev	.00014	.00314	.03745	.00138	.00001	.00001	.00052	.00392	.00002	.00243	.00054
%RSD	7.1820	173.10	52.050	195.50	7.4949	22.681	66.829	3.9861	47.771	339.42	80.166
#1	-.00179	-.00041	.09844	-.00027	-.00014	.00004	.00041	.10104	.00003	-.00100	.00106
#2	-.00198	.00403	.04547	.00168	-.00013	.00003	.00116	.09550	.00006	.00243	.00029
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02927**	**.00034**	**-.00459**	**-.01909**	**-.04086**	**.00020**	**-.00001**	**.00039**	**.00044**	**.00096**	**-.01083**
Stddev	.00109	.00125	.00267	.00570	.01219	.00093	.00003	.00104	.00014	.00010	.00146
%RSD	3.7343	370.80	58.096	29.831	29.831	462.92	270.41	264.60	30.653	10.311	13.462
#1	.03004	.00122	-.00648	-.02312	-.04948	.00086	.00001	.00112	.00054	.00103	-.01186
#2	.02850	-.00055	-.00271	-.01507	-.03224	-.00046	-.00003	-.00034	.00035	.00089	-.00980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00007**	**.00186**	**.00064**
Stddev	.00015	.00019	.00099
%RSD	212.65	10.163	155.57
#1	.00004	.00172	.00134
#2	-.00018	.00199	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4086.9**	**64035.**	**5943.2**
Stddev	8.0	503.	9.5
%RSD	.19604	.78609	.15984
#1	4081.2	64391.	5949.9
#2	4092.6	63679.	5936.5

Sample Name: CCVL1351092 Acquired: 4/10/2012 0:09:49 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.10648**	**.01419**	**.09028**	**.01099**	**.00105**	**.10502**	**.20636**	**.00502**	**.01002**	**.01037**	**.01351**	**.10799**	**3.3779**
Stddev	.00021	.00080	.00025	.00037	.00031	.00003	.00036	.00253	.00007	.00009	.00005	.00011	.00119	.0006
%RSD	1.8207	.75569	1.7618	.41507	2.8610	3.0523	.34702	1.2251	1.3958	.88222	.44217	.85058	1.1065	.01744
#1	.01134	.10591	.01401	.09055	.01122	.00108	.10528	.20815	.00507	.01008	.01034	.01343	.10715	3.3783
#2	.01163	.10704	.01437	.09002	.01077	.00103	.10476	.20457	.00497	.00995	.01040	.01359	.10884	3.3775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	**.20706**	**.01079**	**.01953**	**1.1707**	**.04141**	**2.6744**	**.00990**	**.02121**	**.00913**	**.01131**	**.50311**	**1.0767**	**.10092**
Stddev	.00075	.00139	.00008	.00027	.0219	.00003	.0170	.00066	.00059	.00237	.00274	.00209	.0045	.00021
%RSD	7.0065	.67352	.75055	1.3808	1.8670	.06899	.63756	6.6969	2.7692	25.985	24.197	.41591	.41591	.20724
#1	.01123	.20608	.01073	.01934	1.1862	.04143	2.6623	.00943	.02163	.01081	.00938	.50163	1.0735	.10077
#2	.01017	.20805	.01085	.01972	1.1553	.04139	2.6864	.01037	.02079	.00745	.01325	.50459	1.0798	.10107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01086**	**.01565**	**.00986**	**.01599**	**.06854**	**.01010**	**.02188**	**.01355**
Stddev	.00011	.00072	.00029	.00191	.01061	.00003	.00021	.00010
%RSD	.99125	4.6060	2.9363	11.923	15.482	.28871	.93789	.76731
#1	.01093	.01616	.00965	.01734	.06103	.01008	.02174	.01362
#2	.01078	.01514	.01006	.01464	.07604	.01012	.02203	.01347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4111.0**	**64416.**	**5959.2**
Stddev	9.8	244.	16.5
%RSD	.23928	.37841	.27653
#1	4118.0	64588.	5947.5
#2	4104.1	64243.	5970.8

Sample Name: mb 280-114550/1-a Acquired: 4/10/2012 0:12:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00262**	**-.00014**	**.00051**	**.00001**	**.00002**	**.00200**	**.00572**	**-.00001**	**.00001**
Stddev	.00022	.00020	.00052	.00010	.00012	.00007	.00026	.00069	.00015	.00006
%RSD	18.850	7.5280	360.97	20.210	1981.5	275.91	13.234	11.997	1178.9	487.82
#1	.00101	.00248	-.00051	.00044	-.00008	.00007	.00219	.00523	-.00012	.00006
#2	.00133	.00275	.00022	.00059	.00009	-.00002	.00181	.00620	.00010	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00184**	**.00393**	**.02290**	**-.00021**	**.00044**	**.00012**	**-.00001**	**.08976**	**.00013**
Stddev	.00004	.00030	.00207	.03498	.00062	.00233	.00002	.00004	.00479	.00013
%RSD	25.138	16.265	52.816	152.72	294.53	529.79	16.321	702.84	5.3341	96.980
#1	.00012	-.00205	.00539	.04764	.00023	.00209	.00014	-.00003	.09315	.00023
#2	.00018	-.00163	.00246	-.00183	-.00065	-.00121	.00011	.00002	.08638	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00157**	F **.02062**	**.00099**	**.00040**	W **-.00935**	**-.02000**	**.00037**	**-.00001**	**.00151**
Stddev	.00028	.00028	.00058	.00032	.00490	.00627	.01341	.00009	.00003	.00041
%RSD	114.34	17.556	2.8018	32.414	1220.4	67.064	67.064	25.371	304.07	26.995
#1	-.00044	.00177	.02021	.00122	-.00307	-.00491	-.01052	.00043	.00001	.00180
#2	-.00005	.00138	.02103	.00076	.00387	-.01378	-.02949	.00030	-.00003	.00122
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00002**	**-.00895**	**-.00023**	**.00274**	**.00061**
Stddev	.00019	.00029	.00993	.00030	.00008	.00023
%RSD	53.498	1519.4	110.99	131.90	2.8454	37.302
#1	.00048	-.00018	-.01597	-.00002	.00280	.00045
#2	.00022	.00022	-.00192	-.00045	.00269	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4153.1**	**65246.**	**6031.2**
Stddev	10.5	169.	12.1
%RSD	.25229	.25870	.19992
#1	4160.5	65127.	6022.7
#2	4145.7	65365.	6039.8

Sample Name: lcs 280-114550/2-a Acquired: 4/10/2012 0:14:38 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05438**	**1.9258**	**.95839**	**.97483**	**2.1621**	**.05124**	**2.0630**	**50.605**	**.10106**	**.49092**
Stddev	.00025	.0016	.00475	.00031	.0186	.00017	.0043	.197	.00034	.00036
%RSD	.46882	.08536	.49587	.03133	.86031	.33968	.21085	.38941	.33289	.07361
#1	.05420	1.9247	.96175	.97461	2.1489	.05111	2.0599	50.466	.10130	.49117
#2	.05456	1.9270	.95503	.97505	2.1752	.05136	2.0660	50.745	.10082	.49066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20075**	**.25608**	**1.0643**	**54.040**	**1.0442**	**49.783**	**.52169**	**1.0082**	**54.293**	**.49938**
Stddev	.00003	.00125	.0049	.451	.0065	.114	.00192	.0008	.141	.00111
%RSD	.01298	.48832	.45685	.83451	.62181	.22851	.36746	.07989	.25902	.22238
#1	.20077	.25520	1.0609	53.721	1.0396	49.702	.52034	1.0088	54.193	.50016
#2	.20073	.25697	1.0678	54.359	1.0488	49.863	.52305	1.0077	54.392	.49859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8426**	**.47317**	**.04017**	**.47353**	**2.0484**	**10.325**	F **22.095**	**2.0229**	**1.0804**	**.97547**
Stddev	.0095	.00104	.00181	.00120	.0062	.072	.154	.0081	.0092	.00526
%RSD	.09603	.21942	4.5172	.25441	.30405	.69801	.69801	.40140	.84928	.53927
#1	9.8493	.47390	.04145	.47268	2.0440	10.274	21.986	2.0286	1.0739	.97175
#2	9.8359	.47244	.03889	.47439	2.0528	10.376	22.204	2.0171	1.0869	.97919
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0119**	**2.0132**	**2.1707**	**.51629**	**.48968**	**.45477**
Stddev	.0028	.0010	.0375	.00243	.00093	.00180
%RSD	.27978	.04724	1.7256	.47034	.18910	.39557
#1	1.0099	2.0125	2.1442	.51458	.48902	.45605
#2	1.0139	2.0139	2.1972	.51801	.49033	.45350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3937.6**	**61364.**	**6019.0**
Stddev	15.9	15.	2.8
%RSD	.40261	.02447	.04734
#1	3926.4	61353.	6021.0
#2	3948.9	61375.	6017.0

Sample Name: 280-27359-n-1-d Acquired: 4/10/2012 0:16:47 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00148**	**-.00314**	**2.3987**	**.00849**	**.00008**	**.00254**	**107.73**	**.00070**	**-.00098**
Stddev	.00033	.00032	.00342	.0006	.00000	.00007	.00148	.44	.00001	.00009
%RSD	52.550	21.835	108.91	.02316	.02124	98.615	58.266	.40458	1.1001	9.3788
#1	.00085	.00171	-.00556	2.3983	.00849	.00002	.00149	107.42	.00069	-.00091
#2	.00039	.00125	-.00072	2.3991	.00849	.00013	.00359	108.03	.00070	-.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00091**	**.89650**	**18.772**	**.18601**	**234.32**	**.12536**	**.01556**	W **1228.0**	**.00020**
Stddev	.00002	.00014	.00116	.196	.00442	2.11	.00005	.00099	5.7	.00021
%RSD	6.1075	15.458	.12892	1.0447	2.3778	.90128	.03753	6.3720	.46031	104.59
#1	.00038	.00081	.89568	18.633	.18288	235.81	.12539	.01486	1224.0	.00005
#2	.00035	.00101	.89732	18.911	.18914	232.83	.12533	.01626	1232.0	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05476**	**.00125**	F **896.46**	**-.00313**	**.00061**	**13.660**	**29.232**	**.00009**	**.55815**	**-.00131**
Stddev	.00050	.00036	.34	.00262	.00294	.024	.051	.00083	.00220	.00182
%RSD	.91003	28.527	.03783	83.524	485.30	.17372	.17372	946.30	.39459	139.30
#1	.05441	.00100	896.70	-.00498	.00269	13.643	29.196	-.00050	.55660	-.00002
#2	.05512	.00150	896.22	-.00128	-.00147	13.677	29.268	.00067	.55971	-.00260
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00175**	**-.02809**	**.00049**	**.00315**	**.00051**
Stddev	.00009	.00123	.01320	.00019	.00067	.00042
%RSD	13.986	70.545	46.999	38.624	21.202	82.808
#1	.00058	.00262	-.03742	.00063	.00268	.00021
#2	.00071	.00088	-.01875	.00036	.00362	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3531.3**	**53611.**	**5826.6**
Stddev	2.7	15.	31.1
%RSD	.07581	.02826	.53313
#1	3533.2	53622.	5848.5
#2	3529.4	53600.	5804.6

Sample Name: 280-27359-n-1-dSD@5 Acquired: 4/10/2012 0:19:20 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00614**	**-.00284**	**.50276**	**.00174**	**.00012**	**.00286**	**21.814**	**.00014**	**-.00031**
Stddev	.00028	.00052	.00136	.00019	.00022	.00003	.00142	.097	.00005	.00002
%RSD	18.509	8.4430	48.021	.03813	12.452	21.789	49.655	.44384	37.466	7.9128
#1	.00132	.00578	-.00380	.50289	.00190	.00014	.00185	21.746	.00010	-.00029
#2	.00172	.00651	-.00187	.50262	.00159	.00010	.00386	21.883	.00018	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00045**	**.18587**	**3.8734**	**.03674**	**47.151**	**.02526**	**.00259**	**244.81**	**.00014**
Stddev	.00012	.00055	.00033	.0066	.00112	.119	.00002	.00012	1.03	.00001
%RSD	19.068	123.73	.17922	.16943	3.0511	.25229	.09815	4.8080	.41971	9.1254
#1	.00070	-.00006	.18611	3.8688	.03753	47.235	.02528	.00268	244.09	.00013
#2	.00054	-.00084	.18564	3.8781	.03594	47.067	.02524	.00250	245.54	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.00075**	W **190.35**	**-.00257**	**-.00293**	**2.6839**	**5.7435**	**.00006**	**.11129**	**-.00064**
Stddev	.00061	.00082	.31	.00120	.00010	.0003	.0007	.00076	.00079	.00080
%RSD	5.2815	108.81	.16141	46.896	3.2993	.01154	.01154	1265.4	.71042	124.82
#1	.01191	.00017	190.14	-.00342	-.00286	2.6841	5.7439	-.00048	.11073	-.00120
#2	.01105	.00133	190.57	-.00172	-.00300	2.6836	5.7430	.00060	.11185	-.00008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00134**	**-.01715**	**.00051**	**.00382**	**.00086**
Stddev	.00007	.00067	.00339	.00039	.00024	.00081
%RSD	19.644	50.098	19.787	77.380	6.3805	94.128
#1	.00030	.00182	-.01475	.00079	.00364	.00029
#2	.00040	.00087	-.01955	.00023	.00399	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3888.0**	**59833.**	**5985.9**
Stddev	13.3	3.	25.6
%RSD	.34126	.00509	.42714
#1	3897.4	59836.	6003.9
#2	3878.6	59831.	5967.8

Sample Name: 280-27359-n-1-e ms Acquired: 4/10/2012 0:21:42 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05644**	**1.7781**	**1.0006**	**3.2824**	**2.1474**	**.04998**	F **1.9975**	**154.69**	**.10318**	**.46545**
Stddev	.00014	.0017	.0028	.0001	.0099	.00043	.0001	.64	.00004	.00021
%RSD	.24299	.09393	.28206	.00186	.45945	.85877	.00600	.41343	.03937	.04469
#1	.05653	1.7770	.99863	3.2823	2.1404	.04968	1.9974	154.24	.10315	.46530
#2	.05634	1.7793	1.0026	3.2824	2.1544	.05029	1.9976	155.14	.10321	.46560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19270**	**.25513**	**1.9116**	**74.067**	**1.2472**	**276.94**	**.63657**	**.98496**	W **1274.4**	**.47189**
Stddev	.00003	.00211	.0124	.436	.0103	2.40	.00394	.00044	6.0	.00018
%RSD	.01495	.82630	.64674	.58833	.82522	.86516	.61894	.04439	.46882	.03723
#1	.19272	.25662	1.9028	73.759	1.2399	278.63	.63935	.98527	1270.1	.47176
#2	.19268	.25364	1.9203	74.375	1.2545	275.25	.63378	.98466	1278.6	.47201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.521**	**.43002**	F **890.84**	**.47621**	**2.1925**	**23.607**	**50.520**	**1.8771**	**1.6265**	**.97981**
Stddev	.028	.00118	.31	.00093	.0057	.157	.336	.0050	.0074	.01080
%RSD	.26848	.27378	.03433	.19583	.26002	.66432	.66432	.26843	.45487	1.1025
#1	10.501	.42919	890.62	.47687	2.1965	23.496	50.282	1.8736	1.6213	.98745
#2	10.541	.43085	891.05	.47555	2.1885	23.718	50.757	1.8807	1.6317	.97217
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0042**	**1.6895**	**2.0420**	**.51641**	**.49083**	**.44364**
Stddev	.0071	.0016	.0158	.00402	.00191	.00088
%RSD	.70673	.09573	.77366	.77775	.38865	.19911
#1	1.0092	1.6883	2.0532	.51925	.49218	.44301
#2	.99917	1.6906	2.0309	.51357	.48948	.44426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3478.3**	**53520.**	**5853.6**
Stddev	1.5	563.	37.3
%RSD	.04422	1.0514	.63746
#1	3479.4	53122.	5880.0
#2	3477.2	53918.	5827.2

Sample Name: 280-27359-n-1-f msd Acquired: 4/10/2012 0:24:01 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05879**	**1.7884**	**1.0137**	**3.3495**	**2.1730**	**.05055**	F **2.0104**	**157.90**	**.10393**	**.46885**
Stddev	.00082	.0008	.0026	.0074	.0020	.00003	.0050	.29	.00061	.00070
%RSD	1.4028	.04634	.25573	.22136	.09304	.05449	.24717	.18519	.58726	.14990
#1	.05821	1.7878	1.0119	3.3443	2.1744	.05057	2.0068	157.70	.10350	.46836
#2	.05937	1.7890	1.0155	3.3548	2.1715	.05053	2.0139	158.11	.10437	.46935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19459**	**.25990**	**1.9515**	**75.508**	**1.2665**	**285.69**	**.64886**	**.99204**	W **1303.9**	**.47572**
Stddev	.00051	.00116	.0057	.023	.0019	1.13	.00618	.00173	.1	.00064
%RSD	.26163	.44729	.29474	.03013	.15071	.39646	.95175	.17419	.00434	.13478
#1	.19423	.26072	1.9555	75.492	1.2651	284.89	.65322	.99082	1304.0	.47527
#2	.19495	.25908	1.9474	75.524	1.2678	286.49	.64449	.99326	1303.9	.47617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.632**	**.43433**	F **906.77**	**.47879**	**2.2292**	**24.171**	**51.727**	**1.8947**	**1.6515**	**.99730**
Stddev	.028	.00030	1.94	.00176	.0116	.006	.012	.0037	.0017	.00698
%RSD	.26260	.06894	.21404	.36862	.51994	.02292	.02292	.19644	.10405	.69981
#1	10.612	.43411	905.40	.47754	2.2210	24.175	51.735	1.8921	1.6527	1.0022
#2	10.652	.43454	908.14	.48003	2.2374	24.168	51.719	1.8974	1.6503	.99236
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0181**	**1.6984**	**2.0706**	**.52459**	**.49935**	**.45232**
Stddev	.0074	.0047	.0075	.00439	.00996	.00231
%RSD	.72510	.27582	.36195	.83627	1.9949	.51043
#1	1.0233	1.7017	2.0653	.52769	.50639	.45069
#2	1.0129	1.6951	2.0759	.52149	.49230	.45396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3485.5**	**52969.**	**5841.1**
Stddev	.7	145.	25.0
%RSD	.02065	.27345	.42844
#1	3486.0	52866.	5858.8
#2	3485.0	53071.	5823.5

Sample Name: 280-27369-d-1-a Acquired: 4/10/2012 0:26:23 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00532**	**.02569**	**.95693**	**.04906**	**.00008**	**-.00268**	**156.02**	**.00059**	**.00098**
Stddev	.00012	.00032	.00053	.00021	.00017	.00001	.00140	1.35	.00014	.00000
%RSD	15.125	5.9975	2.0797	.02208	.34670	13.850	52.430	.86704	23.944	.33087
#1	.00068	.00554	.02532	.95708	.04918	.00009	-.00168	156.98	.00069	.00098
#2	.00084	.00509	.02607	.95678	.04894	.00008	-.00367	155.06	.00049	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**.00199**	**.03418**	W **179.09**	**.34802**	**184.03**	**.71323**	**.00975**	**136.43**	**.02005**
Stddev	.00032	.00021	.00098	1.12	.00368	1.81	.00113	.00071	.65	.00005
%RSD	10.315	10.317	2.8813	.62467	1.0587	.98482	.15823	7.3031	.47694	.23820
#1	.00288	.00213	.03487	179.88	.35063	182.75	.71403	.00925	136.89	.02008
#2	.00333	.00184	.03348	178.30	.34542	185.31	.71244	.01025	135.97	.02002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26489**	**.00166**	**171.19**	**-.00279**	**.02455**	**16.968**	**36.311**	**.00143**	**1.7394**	**-.00208**
Stddev	.00418	.00046	.23	.00104	.00598	.147	.314	.00007	.0099	.00037
%RSD	1.5768	27.838	.13522	37.229	24.375	.86539	.86539	4.8613	.56706	17.715
#1	.26784	.00133	171.03	-.00205	.02878	17.072	36.534	.00138	1.7464	-.00182
#2	.26194	.00199	171.35	-.00352	.02032	16.864	36.089	.00148	1.7324	-.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00261**	**-.00464**	**.00727**	**.00477**	**.00082**
Stddev	.00005	.00015	.01862	.00042	.00045	.00070
%RSD	7.5828	5.8220	401.56	5.7560	9.4405	85.010
#1	.00069	.00251	-.01780	.00698	.00445	.00131
#2	.00062	.00272	.00853	.00757	.00508	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3691.0**	**57176.**	**5936.0**
Stddev	6.0	16.	29.9
%RSD	.16381	.02749	.50419
#1	3695.3	57165.	5914.8
#2	3686.7	57187.	5957.2

Sample Name: 280-27369-d-2-a Acquired: 4/10/2012 0:28:51 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**.00678**	**.02468**	**.92864**	**.04898**	**.00006**	**-.00051**	**151.82**	**.00073**	**.00087**
Stddev	.00051	.00052	.00090	.00067	.00028	.00002	.00069	1.01	.00001	.00036
%RSD	41.955	7.6719	3.6378	.07190	.56566	28.740	134.51	.66756	2.0420	41.099
#1	.00158	.00641	.02404	.92911	.04878	.00005	-.00003	151.10	.00074	.00113
#2	.00085	.00715	.02531	.92817	.04918	.00007	-.00100	152.54	.00072	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00402**	**.00100**	**.03989**	W **171.67**	**.33627**	**176.98**	**.75997**	**.00821**	**133.79**	**.02040**
Stddev	.00026	.00015	.00058	.84	.00045	.40	.00586	.00020	.16	.00027
%RSD	6.4913	14.916	1.4629	.48694	.13304	.22390	.77138	2.4864	.12032	1.3322
#1	.00384	.00089	.04031	171.08	.33658	176.70	.76412	.00836	133.67	.02059
#2	.00421	.00110	.03948	172.26	.33595	177.26	.75583	.00807	133.90	.02021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25151**	**.00115**	**164.95**	**.00044**	**.01725**	**16.525**	**35.364**	**-.00052**	**1.6782**	**-.00079**
Stddev	.00165	.00115	.13	.00113	.00175	.003	.007	.00002	.0066	.00079
%RSD	.65406	100.04	.08177	254.37	10.128	.01881	.01881	3.5949	.39521	99.538
#1	.25035	.00034	164.86	.00124	.01601	16.523	35.359	-.00050	1.6735	-.00135
#2	.25268	.00196	165.05	-.00036	.01848	16.527	35.368	-.00053	1.6829	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00119**	**.00702**	**.00702**	**.00392**	**.00076**
Stddev	.00005	.00061	.00961	.00013	.00017	.00197
%RSD	7.0610	51.479	136.98	1.7911	4.3360	257.27
#1	.00074	.00162	.01381	.00711	.00380	-.00063
#2	.00067	.00076	.00022	.00693	.00405	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3691.9**	**57330.**	**5966.6**
Stddev	7.3	282.	65.1
%RSD	.19745	.49122	1.0909
#1	3686.7	57131.	6012.6
#2	3697.0	57529.	5920.5

Sample Name: 280-27369-d-3-a Acquired: 4/10/2012 0:31:18 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00177**	**.00051**	**-.00180**	**.35992**	**.03808**	**.00005**	**-.00211**	**359.24**	**.00070**	**.00541**
Stddev	.00005	.00045	.00761	.00093	.00017	.00000	.00173	.17	.00017	.00016
%RSD	3.0847	87.991	421.82	.25814	.44625	2.3371	82.002	.04801	24.449	2.8945
#1	.00173	.00082	.00358	.36058	.03796	.00005	-.00089	359.11	.00058	.00530
#2	.00181	.00019	-.00719	.35927	.03820	.00005	-.00334	359.36	.00082	.00552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00036**	**.00683**	W **140.38**	**.27615**	**299.97**	**6.2358**	**.00240**	**105.20**	**.00731**
Stddev	.00026	.00012	.00277	.23	.00135	1.57	.0531	.00066	.93	.00006
%RSD	23.917	33.406	40.613	.16207	.48913	.52394	.85166	27.364	.88248	.79510
#1	.00126	.00044	.00487	140.22	.27710	298.86	6.2734	.00193	104.54	.00735
#2	.00089	.00027	.00879	140.54	.27519	301.09	6.1983	.00286	105.86	.00727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01208**	**.00287**	F **528.22**	**-.00224**	**-.00035**	**7.5799**	**16.221**	**.00031**	**3.1819**	**-.00337**
Stddev	.00319	.00117	.00	.00265	.00944	.0154	.033	.00134	.0074	.00007
%RSD	26.408	40.975	.00050	118.45	2671.2	.20349	.20349	432.60	.23394	2.1668
#1	.01433	.00204	528.22	-.00036	.00632	7.5690	16.198	-.00064	3.1766	-.00343
#2	.00982	.00370	528.22	-.00411	-.00703	7.5908	16.244	.00125	3.1871	-.00332
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00048**	**.00679**	**.00237**	**.00851**	**.00142**
Stddev	.00021	.00247	.02170	.00022	.00025	.00097
%RSD	28.208	512.25	319.31	9.3769	2.9764	68.250
#1	.00059	.00126	-.00855	.00221	.00833	.00074
#2	.00089	-.00223	.02214	.00253	.00869	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3574.1**	**56187.**	**5939.2**
Stddev	7.8	83.	15.8
%RSD	.21801	.14698	.26539
#1	3568.6	56128.	5928.0
#2	3579.7	56245.	5950.3

Sample Name: 280-27369-d-4-a Acquired: 4/10/2012 0:33:57 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114550 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00190**	**.00146**	**.00373**	**.41488**	**.04230**	**.00002**	**-.00258**	W **527.87**	**.00077**	**.02869**
Stddev	.00110	.00019	.00134	.00089	.00007	.00002	.00007	9.26	.00011	.00009
%RSD	57.736	12.826	35.952	.21447	.16834	90.556	2.7543	1.7545	14.171	.32306
#1	.00112	.00159	.00467	.41551	.04235	.00004	-.00253	521.32	.00084	.02862
#2	.00268	.00133	.00278	.41425	.04225	.00001	-.00263	534.41	.00069	.02875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00148**	**.00077**	**.34815**	W **160.11**	**.21940**	**443.94**	**5.2040**	**.00402**	**121.83**	**.03732**
Stddev	.00036	.00023	.00158	.15	.00096	2.93	.0182	.00023	.26	.00015
%RSD	24.257	29.211	.45469	.09198	.43961	.66068	.35030	5.8334	.21594	.41158
#1	.00173	.00061	.34927	160.22	.22008	441.86	5.1911	.00418	122.01	.03721
#2	.00123	.00093	.34704	160.01	.21872	446.01	5.2168	.00385	121.64	.03743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06227**	**.00365**	F **716.89**	**-.00255**	**.00297**	**14.868**	**31.817**	**.00030**	**3.6632**	**-.00317**
Stddev	.00166	.00185	.54	.00171	.00367	.043	.091	.00047	.0184	.00069
%RSD	2.6698	50.811	.07559	66.884	123.64	.28712	.28712	158.97	.50286	21.844
#1	.06345	.00496	717.27	-.00376	.00557	14.898	31.881	.00063	3.6763	-.00366
#2	.06109	.00234	716.50	-.00135	.00037	14.837	31.752	-.00004	3.6502	-.00268
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00139**	**-.01027**	**.00264**	**.01143**	**.00166**
Stddev	.00012	.00172	.00001	.00018	.00042	.00028
%RSD	16.408	123.78	.11749	6.9065	3.6818	16.784
#1	.00064	-.00260	-.01028	.00277	.01113	.00186
#2	.00081	-.00017	-.01026	.00251	.01172	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3491.5**	**55186.**	**5958.2**
Stddev	7.1	134.	6.1
%RSD	.20333	.24240	.10244
#1	3486.5	55092.	5962.5
#2	3496.6	55281.	5953.9

Sample Name: CCVH-1326164 Acquired: 4/10/2012 0:36:42 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00334**	**52.953**	**-.00417**	**.00423**	**.00032**	**.00003**	**.99767**	**.00099**	**-.00011**	**.00006**	**.00091**	**.00440**
Stddev	.00092	.014	.00054	.00017	.00003	.00003	.00084	.00264	.00008	.00009	.00012	.00078
%RSD	27.501	.02609	13.011	3.9413	10.794	101.83	.08451	266.89	72.868	156.81	12.705	17.726
#1	.00269	52.963	-.00378	.00412	.00030	.00004	.99827	.00285	-.00005	-.00001	.00099	.00385
#2	.00399	52.943	-.00455	.00435	.00034	.00001	.99707	-.00088	-.00017	.00012	.00083	.00495
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.090**	**.17064**	**-.00003**	**.01004**	**-.00009**	**-.00091**	**265.04**	**.00231**	**.00282**	**-.00303**	**5.0211**	**.00063**
Stddev	.295	.07507	.00118	.00135	.00002	.00002	.50	.00011	.00118	.00212	.0006	.00220
%RSD	.55575	43.994	3494.8	13.417	19.444	2.5819	.19009	4.5477	41.715	69.980	.01146	351.14
#1	53.299	.22372	.00080	.01099	-.00008	-.00089	264.69	.00224	.00199	-.00452	5.0215	-.00093
#2	52.882	.11756	-.00087	.00908	-.00010	-.00092	265.40	.00239	.00365	-.00153	5.0206	.00218
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00178**	**.01782**	**.03813**	**.00276**	**.00038**	**4.8173**	**.00323**	**-.00016**	W **10.557**	**.00304**	**.00153**	**-.19222**
Stddev	.00312	.00983	.02104	.00100	.00005	.0245	.00041	.00115	.007	.00012	.00089	.00262
%RSD	175.07	55.170	55.170	36.068	13.885	.50883	12.856	724.10	.06170	4.0182	57.709	1.3617
#1	.00042	.01087	.02325	.00206	.00034	4.8000	.00352	-.00097	10.552	.00313	.00091	-.19407
#2	-.00398	.02477	.05300	.00347	.00042	4.8346	.00293	.00065	10.562	.00296	.00216	-.19037
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3933.7**	**60814.**	**6060.2**
Stddev	2.6	54.	49.3
%RSD	.06503	.08919	.81383
#1	3935.5	60852.	6025.3
#2	3931.9	60776.	6095.0

Sample Name: CCV-1343805 Acquired: 4/10/2012 0:39:03 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51542**	**.51368**	**.95557**	**.49288**	**.54165**	**.50867**	**.00154**	**5.1405**	**.49883**	**.50160**	**.50295**	**.50948**	**2.6768**
Stddev	.00071	.00070	.00095	.00342	.00342	.00395	.00208	.0324	.00150	.00174	.00144	.00084	.0273
%RSD	.13784	.13576	.09949	.69373	.63211	.77626	134.59	.62963	.30006	.34640	.28611	.16476	1.0205
#1	.51492	.51318	.95624	.49530	.53922	.50588	.00301	5.1176	.49989	.50283	.50397	.51008	2.6575
#2	.51592	.51417	.95490	.49046	.54407	.51147	.00007	5.1634	.49778	.50037	.50193	.50889	2.6961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.698**	**1.0427**	**20.073**	**.51451**	**.49688**	**5.3358**	**.50338**	**.97544**	**.96159**	**.10893**	**.98564**	**1.0259**	**5.0986**
Stddev	.295	.0090	.067	.00219	.00083	.0404	.00167	.00335	.00171	.00511	.00026	.0086	.0317
%RSD	.54936	.86108	.33372	.42558	.16749	.75725	.33141	.34388	.17828	4.6952	.02608	.84148	.62136
#1	53.490	1.0363	20.025	.51297	.49747	5.3072	.50456	.97781	.96280	.11255	.98582	1.0320	5.0762
#2	53.907	1.0490	20.120	.51606	.49629	5.3644	.50220	.97307	.96038	.10532	.98545	1.0198	5.1210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.911**	**1.0134**	**.53387**	**.01334**	**.49640**	**1.0430**	**-.00822**	**.50780**	**.49404**	**.49343**
Stddev	.068	.0019	.00401	.00143	.00137	.0050	.00125	.00127	.00327	.00214
%RSD	.62136	.18471	.75026	10.732	.27621	.48385	15.222	.25079	.66282	.43288
#1	10.863	1.0147	.53104	.01232	.49543	1.0465	-.00910	.50690	.49172	.49192
#2	10.959	1.0121	.53671	.01435	.49737	1.0394	-.00733	.50870	.49635	.49494
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.6**	**63040.**	**6030.3**
Stddev	1.2	290.	22.9
%RSD	.03028	.46050	.37966
#1	4022.7	63246.	6046.5
#2	4024.4	62835.	6014.1

Sample Name: CCB Acquired: 4/10/2012 0:41:16 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00107	.00098	-.00197	.00192	.00000	.00010	.00046	.00072	.00000	.00007	.00014
Stddev	.00029	.00014	.00009	.00055	.00008	.00001	.00069	.00161	.0002	.00026	.00012
%RSD	26.955	14.748	4.3368	28.537	6953.9	5.1903	149.25	223.24	6143.1	379.95	80.570
#1	.00087	.00108	-.00203	.00153	-.00005	.00009	-.00003	-.00042	-.00011	-.00011	.00022
#2	.00128	.00087	-.00191	.00230	.00006	.00010	.00096	.00186	.00011	.00025	.00006
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00206	.00010	.10601	.00008	-.00050	.00002	.00079	F .19593	-.00008	.00091	.00061
Stddev	.00001	.00027	.01472	.00277	.00028	.00002	.00016	.00013	.00016	.00126	.00079
%RSD	.69299	274.72	13.882	3306.8	55.828	101.44	20.808	.06473	205.94	139.42	130.96
#1	-.00207	.00029	.09560	-.00188	-.00030	.00001	.00090	.19602	.00004	.00180	.00004
#2	-.00205	-.00009	.11641	.00204	-.00070	.00004	.00067	.19584	-.00019	.00001	.00117
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09681	.00207	.00119	-.01932	-.04134	.00125	-.00003	.00071	.00052	.00075	-.00646
Stddev	.00434	.00039	.00106	.01547	.03310	.00012	.00001	.00131	.00015	.00005	.02605
%RSD	4.4809	18.757	89.527	80.073	80.073	9.6015	37.640	183.27	29.722	6.9780	403.16
#1	.09988	.00234	.00044	-.00838	-.01793	.00134	-.00002	.00164	.00041	.00079	.01196
#2	.09375	.00179	.00194	-.03026	-.06475	.00117	-.00004	-.00021	.00062	.00071	-.02488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00007	.00190	.00158
Stddev	.00033	.00040	.00097
%RSD	473.62	20.869	61.091
#1	.00017	.00162	.00227
#2	-.00031	.00218	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4054.3	63722.	6038.8
Stddev	12.0	471.	75.1
%RSD	.29569	.73851	1.2435
#1	4045.8	63390.	6091.9
#2	4062.7	64055.	5985.7

Sample Name: CCVL1351092 Acquired: 4/10/2012 0:43:41 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01128**	**.10602**	**.01470**	**.09306**	**.01119**	**.00105**	**.10646**	**.20761**	**.00499**	**.01037**	**.01043**	**.01398**	**.10902**	**3.3808**
Stddev	.00021	.00031	.00081	.00062	.00002	.00004	.00013	.00136	.00004	.00006	.00019	.00051	.00007	.0300
%RSD	1.8554	.29600	5.5233	.67111	.20257	4.1510	.12141	.65562	.82190	.61318	1.8391	3.6780	.06652	.88828
#1	.01143	.10580	.01528	.09262	.01117	.00108	.10637	.20857	.00496	.01032	.01029	.01362	.10907	3.3595
#2	.01113	.10624	.01413	.09350	.01120	.00102	.10655	.20664	.00502	.01041	.01056	.01435	.10897	3.4020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.20510**	**.01073**	**.01985**	**1.2658**	**.04128**	**2.7151**	**.00974**	**.08164**	**.01072**	**.01095**	**.49798**	**1.0657**	**.10153**
Stddev	.00136	.00008	.00003	.00018	.0072	.00004	.0081	.00014	.00224	.00145	.00071	.00258	.0055	.00003
%RSD	12.653	.03747	.32240	.92307	.56580	.09209	.29967	1.4327	2.7428	13.501	6.5101	.51829	.51829	.03132
#1	.01168	.20516	.01071	.01972	1.2608	.04125	2.7094	.00984	.08322	.01175	.01145	.49981	1.0696	.10151
#2	.00976	.20505	.01076	.01998	1.2709	.04130	2.7209	.00964	.08005	.00970	.01044	.49616	1.0618	.10155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01097**	**.01561**	**.01014**	**.01550**	**.06703**	**.00991**	**.02143**	**.01405**
Stddev	.00014	.00053	.00003	.00131	.02178	.00019	.00009	.00017
%RSD	1.2950	3.4035	.33888	8.4316	32.488	1.9681	.39926	1.2096
#1	.01087	.01523	.01012	.01458	.08243	.00977	.02137	.01417
#2	.01107	.01598	.01017	.01643	.05163	.01005	.02149	.01393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4088.8**	**64282.**	**6078.2**
Stddev	3.5	452.	15.3
%RSD	.08496	.70254	.25097
#1	4091.3	64601.	6089.0
#2	4086.3	63963.	6067.4

Sample Name: mb 280-114545/1-a Acquired: 4/10/2012 0:46:04 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00220**	**.00236**	**.00153**	**-.00004**	**.00005**	**-.00201**	**.00179**	**.00012**	**.00006**
Stddev	.00039	.00039	.00072	.00029	.00033	.00002	.00065	.00092	.00013	.00002
%RSD	33.234	17.797	30.387	18.748	786.07	51.464	32.524	51.653	105.12	31.244
#1	.00091	.00193	.00286	.00132	-.00027	.00003	-.00247	.00113	.00003	.00005
#2	.00147	.00248	.00185	.00173	.00019	.00007	-.00155	.00244	.00021	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00135**	**.00238**	**.07452**	**.00047**	**.00169**	**.00009**	**-.00020**	**.17626**	**.00001**
Stddev	.00007	.00010	.00281	.01150	.00127	.00099	.00004	.00016	.00526	.00007
%RSD	166.13	7.1461	118.25	15.429	269.19	58.754	49.405	78.119	2.9848	1334.5
#1	.00001	-.00128	.00039	.06639	-.00042	.00099	.00012	-.00009	.17998	-.00005
#2	-.00009	-.00142	.00436	.08265	.00137	.00239	.00006	-.00031	.17254	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**-.00055**	F **.06946**	**-.00134**	**-.00142**	F **-.01821**	**-.03897**	**.00105**	**.00001**	**.00137**
Stddev	.00063	.00062	.00306	.00102	.00123	.00318	.00681	.00092	.00005	.00069
%RSD	42.191	112.46	4.4075	75.967	86.444	17.478	17.478	87.472	515.77	50.140
#1	.00105	-.00098	.07163	-.00062	-.00229	-.01596	-.03415	.00171	.00005	.00088
#2	.00194	-.00011	.06730	-.00206	-.00055	-.02046	-.04379	.00040	-.00003	.00185
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00105**	**.01049**	**-.00033**	**.00278**	**.00084**
Stddev	.00009	.00041	.01312	.00005	.00036	.00107
%RSD	42.948	38.998	124.98	16.376	12.825	127.23
#1	.00027	-.00076	.00122	-.00036	.00303	.00159
#2	.00015	-.00133	.01977	-.00029	.00253	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.3**	**65744.**	**6233.5**
Stddev	6.6	243.	25.7
%RSD	.15939	.37009	.41163
#1	4121.9	65916.	6251.7
#2	4112.7	65572.	6215.4

Sample Name: lcs 280-114545/2-a Acquired: 4/10/2012 0:48:30 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05547**	**1.9052**	**.96741**	**.98404**	**2.1490**	**.05109**	**2.1043**	**49.826**	**.10199**	**.49250**
Stddev	.00033	.0034	.00721	.00525	.0140	.00023	.0092	.314	.00024	.00147
%RSD	.59645	.17697	.74516	.53397	.65342	.44263	.43570	.63011	.23095	.29874
#1	.05524	1.9076	.97251	.98775	2.1589	.05125	2.1108	50.049	.10215	.49354
#2	.05570	1.9029	.96232	.98032	2.1390	.05093	2.0978	49.604	.10182	.49146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20076**	**.26104**	**1.0609**	**53.505**	**1.0437**	**49.458**	**.52138**	**1.0113**	**54.080**	**.50112**
Stddev	.00078	.00084	.0058	.445	.0054	.178	.00128	.0040	.650	.00116
%RSD	.38947	.32287	.54795	.83089	.51765	.35901	.24630	.39897	1.2023	.23242
#1	.20131	.26044	1.0650	53.820	1.0476	49.583	.52229	1.0142	54.540	.50195
#2	.20021	.26163	1.0568	53.191	1.0399	49.332	.52047	1.0085	53.620	.50030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9088**	**.47428**	**.06294**	**.48216**	**2.0578**	**10.120**	F **21.657**	**2.0059**	**1.0753**	**.98532**
Stddev	.0460	.00099	.00159	.00045	.0162	.060	.129	.0027	.0086	.00067
%RSD	.46414	.20826	2.5233	.09359	.78479	.59423	.59423	.13382	.79965	.06758
#1	9.9414	.47498	.06182	.48248	2.0692	10.162	21.748	2.0078	1.0814	.98580
#2	9.8763	.47358	.06407	.48184	2.0464	10.077	21.566	2.0040	1.0692	.98485
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0142**	**2.0206**	**2.2131**	**.51666**	**.48384**	**.45068**
Stddev	.0024	.0036	.0158	.00008	.00338	.00031
%RSD	.23332	.17613	.71517	.01561	.69944	.06882
#1	1.0158	2.0231	2.2019	.51671	.48623	.45046
#2	1.0125	2.0180	2.2243	.51660	.48145	.45090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3907.3**	**61408.**	**6249.8**
Stddev	3.8	113.	45.2
%RSD	.09609	.18477	.72364
#1	3904.6	61328.	6217.9
#2	3909.9	61488.	6281.8

Sample Name: lcsd 280-114545/3-a Acquired: 4/10/2012 0:50:39 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05504**	**1.8961**	**.96657**	**.98385**	**2.1828**	**.05168**	F **2.0960**	**50.378**	**.10171**	**.49031**
Stddev	.00011	.0025	.00233	.00197	.0086	.00045	.0079	.301	.00012	.00109
%RSD	.20437	.13005	.24070	.20058	.39337	.86356	.37778	.59778	.12220	.22178
#1	.05496	1.8944	.96492	.98524	2.1767	.05137	2.1016	50.165	.10180	.49108
#2	.05512	1.8979	.96821	.98245	2.1888	.05200	2.0904	50.591	.10162	.48954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20002**	**.26146**	**1.0656**	**54.332**	**1.0586**	**49.252**	**.52126**	**1.0089**	**54.852**	**.49794**
Stddev	.00039	.00002	.0055	.227	.0113	.081	.00118	.0009	.552	.00162
%RSD	.19353	.00775	.51415	.41737	1.0679	.16475	.22688	.09053	1.0070	.32538
#1	.20029	.26144	1.0617	54.171	1.0506	49.194	.52042	1.0095	54.461	.49908
#2	.19974	.26147	1.0695	54.492	1.0666	49.309	.52209	1.0082	55.242	.49679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8979**	**.47191**	**.05526**	**.48255**	**2.0531**	**10.283**	**22.006**	**1.9997**	**1.0913**	**.98360**
Stddev	.0158	.00100	.00125	.00009	.0108	.103	.221	.0060	.0054	.00397
%RSD	.15936	.21178	2.2622	.01800	.52657	1.0037	1.0037	.30204	.49466	.40372
#1	9.9091	.47262	.05615	.48249	2.0608	10.210	21.849	2.0040	1.0875	.98080
#2	9.8867	.47121	.05438	.48261	2.0455	10.356	22.162	1.9954	1.0951	.98641
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0149**	**2.0054**	**2.2135**	**.51676**	**.48112**	**.45379**
Stddev	.0034	.0100	.0049	.00009	.00199	.00467
%RSD	.33688	.49875	.22137	.01693	.41388	1.0293
#1	1.0125	2.0125	2.2100	.51683	.47972	.45049
#2	1.0173	1.9983	2.2169	.51670	.48253	.45710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3920.0**	**61451.**	**6184.7**
Stddev	4.8	229.	42.6
%RSD	.12349	.37268	.68938
#1	3916.5	61289.	6214.9
#2	3923.4	61613.	6154.6

Sample Name: 280-27123-g-11-i Acquired: 4/10/2012 0:52:48 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00349**	**.00231**	**.00181**	**.00023**	**.00005**	**.00136**	**.01962**	**-.00002**	**-.00006**
Stddev	.00016	.00071	.00327	.00079	.00012	.00001	.00097	.00031	.00002	.00006
%RSD	15.380	20.370	141.63	43.653	50.254	21.609	71.295	1.6011	86.722	110.63
#1	.00116	.00399	.00000	.00236	.00015	.00006	.00204	.01940	-.00001	-.00001
#2	.00094	.00298	.00462	.00125	.00032	.00004	.00067	.01984	-.00003	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00162**	**.00496**	**.09149**	**-.00155**	**.00934**	**.00027**	**.00193**	**.20161**	**.00028**
Stddev	.00005	.00002	.00127	.08654	.00108	.00390	.00001	.00064	.00540	.00002
%RSD	459.49	1.1184	25.623	94.589	69.715	41.749	2.9425	33.362	2.6808	8.2551
#1	.00004	-.00161	.00586	.15269	-.00231	.00658	.00027	.00147	.19779	.00029
#2	-.00002	-.00163	.00406	.03030	-.00078	.01210	.00028	.00238	.20544	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00263**	**.00030**	**.05271**	**-.00068**	**-.00259**	**.01363**	**.02917**	**.00089**	**.00020**	**-.00022**
Stddev	.00271	.00019	.00125	.00050	.00283	.00888	.01900	.00118	.00003	.00040
%RSD	103.07	61.749	2.3680	73.467	108.96	65.139	65.139	132.74	13.655	177.59
#1	.00071	.00043	.05359	-.00103	-.00459	.01991	.04260	.00172	.00018	-.00050
#2	.00454	.00017	.05183	-.00033	-.00060	.00735	.01573	.00005	.00022	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00023**	**-.00887**	**-.00005**	**.00285**	**.00204**
Stddev	.00020	.00071	.00085	.00035	.00008	.00013
%RSD	24.635	315.32	9.5970	651.89	2.7202	6.4221
#1	.00068	-.00073	-.00826	.00019	.00279	.00213
#2	.00097	.00028	-.00947	-.00030	.00290	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4113.0**	**65755.**	**6263.3**
Stddev	1.3	83.	2.7
%RSD	.03062	.12672	.04349
#1	4112.1	65696.	6261.4
#2	4113.9	65814.	6265.3

Sample Name: 280-27123-g-11-iSD@5 Acquired: 4/10/2012 0:55:14 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00159**	**.00222**	**.00111**	**.00000**	**.00005**	**.00159**	**.00290**	**-.00015**	**-.00002**
Stddev	.00020	.00009	.00022	.00038	.00002	.00001	.00274	.00190	.00001	.00014
%RSD	21.626	5.4425	10.015	34.425	530.57	22.771	172.41	65.596	3.7545	677.26
#1	.00078	.00165	.00206	.00138	-.00001	.00004	.00353	.00425	-.00016	-.00012
#2	.00106	.00153	.00238	.00084	.00002	.00006	-.00035	.00155	-.00015	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00141**	**.00770**	**.04403**	**.00032**	**.00233**	**.00008**	**.00000**	**.13966**	**-.00004**
Stddev	.00008	.00007	.00205	.00076	.00102	.00202	.00004	.0000	.01398	.00001
%RSD	14.320	5.0182	26.653	1.7181	319.74	86.956	51.011	1006.5	10.011	19.650
#1	.00049	-.00136	.00625	.04457	-.00040	.00090	.00012	-.00002	.14954	-.00003
#2	.00060	-.00146	.00916	.04350	.00104	.00376	.00005	.00001	.12977	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00051**	**.04212**	**-.00156**	**-.00152**	**-.01605**	**-.03434**	**.00082**	**.00006**	**.00073**
Stddev	.00108	.00032	.01393	.00004	.00388	.00033	.00071	.00031	.00003	.00028
%RSD	152.39	62.044	33.066	2.6719	254.90	2.0802	2.0802	37.729	52.876	38.231
#1	.00147	.00073	.05197	-.00154	.00122	-.01581	-.03384	.00060	.00004	.00053
#2	-.00005	.00029	.03227	-.00159	-.00427	-.01628	-.03485	.00104	.00009	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00114**	**-.01051**	**-.00002**	**.00229**	**-.00002**
Stddev	.00005	.00015	.00458	.00046	.00055	.00056
%RSD	12.290	13.119	43.588	2466.9	24.049	3569.8
#1	.00035	.00104	-.00727	.00031	.00268	.00038
#2	.00042	.00125	-.01375	-.00035	.00190	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4132.4**	**65300.**	**6193.0**
Stddev	.2	154.	6.4
%RSD	.00592	.23657	.10412
#1	4132.6	65410.	6197.5
#2	4132.2	65191.	6188.4

Sample Name: 280-27123-g-11-iPDS Acquired: 4/10/2012 0:57:39 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04918**	**1.1775**	**.22642**	**.10122**	**.12880**	**.06044**	**-.00235**	**23.746**	**.05978**	**.05850**
Stddev	.00015	.0016	.00022	.00052	.00030	.00007	.00137	.012	.00019	.00021
%RSD	.30626	.13669	.09546	.51459	.23512	.11108	58.427	.05255	.31992	.36690
#1	.04929	1.1787	.22627	.10086	.12859	.06049	-.00138	23.737	.05992	.05865
#2	.04907	1.1764	.22658	.10159	.12902	.06040	-.00333	23.755	.05964	.05835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06009**	**.06119**	**1.2663**	**25.376**	**.12403**	**23.190**	**.06252**	**.05149**	**26.208**	**.05938**
Stddev	.00014	.00113	.0037	.071	.00095	.146	.00049	.00002	.310	.00001
%RSD	.24036	1.8421	.29208	.27985	.76587	.62974	.78639	.04216	1.1834	.02472
#1	.06019	.06199	1.2689	25.326	.12470	23.294	.06287	.05150	26.427	.05937
#2	.05998	.06039	1.2637	25.426	.12336	23.087	.06217	.05147	25.989	.05939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3064**	**.11362**	**.07014**	**.10189**	**.23962**	**5.1140**	**10.944**	**.10264**	**.06594**	**.23079**
Stddev	.0047	.00062	.00028	.00037	.00176	.0285	.061	.00037	.00014	.00182
%RSD	.20235	.54291	.40404	.36539	.73450	.55821	.55821	.35847	.20503	.78677
#1	2.3097	.11318	.07034	.10215	.23838	5.0938	10.901	.10238	.06584	.23207
#2	2.3031	.11406	.06994	.10163	.24087	5.1342	10.987	.10290	.06603	.22950
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05272**	**.24796**	**.65486**	**.06106**	**.23237**	**.04127**
Stddev	.00047	.00129	.00470	.00066	.00059	.00205
%RSD	.89432	.51945	.71748	1.0885	.25226	4.9766
#1	.05305	.24704	.65154	.06153	.23196	.03982
#2	.05238	.24887	.65818	.06059	.23278	.04272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3977.5**	**62722.**	**6241.5**
Stddev	11.0	471.	34.5
%RSD	.27636	.75078	.55345
#1	3969.8	62389.	6217.1
#2	3985.3	63055.	6265.9

Sample Name: CCVH-1326164 Acquired: 4/10/2012 0:59:57 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**52.450**	**-.00197**	**.00230**	**.00036**	**.00010**	**1.0003**	**.00180**	**.00002**	**.00030**	**.00098**	**.00448**
Stddev	.00028	.108	.00222	.00002	.00031	.00006	.0030	.00384	.00002	.00035	.00001	.00010
%RSD	7.4325	.20580	112.51	.70011	83.834	58.775	.29884	212.97	77.325	117.98	1.0402	2.1894
#1	.00363	52.527	-.00040	.00229	.00058	.00006	.99817	.00452	.00003	.00005	.00097	.00441
#2	.00403	52.374	-.00354	.00231	.00015	.00014	1.0024	-.00091	.00001	.00054	.00098	.00455
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.332**	**.07609**	**-.00146**	**.01339**	**-.00012**	**-.00049**	**262.99**	**.00226**	**.00607**	**-.00335**	**4.9724**	**-.00140**
Stddev	.077	.02106	.00110	.00138	.00004	.00001	1.44	.00000	.00057	.00120	.0292	.00052
%RSD	.14751	27.676	75.123	10.340	29.313	1.3816	.54607	.21337	9.4347	35.752	.58721	36.923
#1	52.387	.09098	-.00224	.01241	-.00010	-.00049	264.00	.00226	.00648	-.00250	4.9518	-.00177
#2	52.278	.06120	-.00069	.01437	-.00015	-.00048	261.97	.00226	.00567	-.00419	4.9931	-.00104
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00807**	**.01636**	**.03501**	**.00155**	**.00043**	**4.7834**	**.00318**	**-.00005**	W **10.552**	**.00270**	**.00160**	**-.19301**
Stddev	.00113	.01754	.03754	.00078	.00000	.0049	.00020	.00078	.040	.00080	.00001	.00122
%RSD	14.033	107.22	107.22	50.067	.76598	.10256	6.2420	1596.9	.37476	29.558	.42852	.62955
#1	-.00727	.02876	.06155	.00210	.00044	4.7869	.00304	-.00060	10.580	.00213	.00160	-.19215
#2	-.00887	.00396	.00847	.00100	.00043	4.7800	.00333	.00050	10.524	.00326	.00161	-.19387
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3948.7**	**61516.**	**6235.3**
Stddev	11.7	13.	16.6
%RSD	.29686	.02032	.26672
#1	3957.0	61507.	6223.6
#2	3940.4	61525.	6247.1

Sample Name: CCV-1343805 Acquired: 4/10/2012 1:02:22 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52385**	**.51991**	**.96472**	**.50030**	**.54308**	**.51008**	**.00124**	**5.1503**	**.50539**	**.50345**	**.50478**	**.52139**	F **4.0711**
Stddev	.00989	.00292	.00937	.00223	.00194	.00276	.00447	.0245	.00128	.00142	.00130	.01062	.0075
%RSD	1.8884	.56255	.97086	.44496	.35649	.54107	360.31	.47490	.25366	.28287	.25785	2.0376	.18487
#1	.51686	.52198	.97134	.50188	.54445	.51203	.00440	5.1676	.50630	.50446	.50570	.51388	4.0764
#2	.53085	.51785	.95809	.49873	.54172	.50813	-.00192	5.1330	.50448	.50244	.50386	.52890	4.0658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value													2.5000
Range													10.490%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.522**	**1.0522**	**20.217**	**.52157**	**.49978**	**5.3592**	**.50575**	**.97912**	**.96412**	**.06015**	**1.0026**	**1.0344**	**5.0556**
Stddev	.016	.0021	.286	.00876	.00011	.0002	.00206	.00127	.00366	.00282	.0048	.0025	.0056
%RSD	.03057	.20101	1.4165	1.6796	.02239	.00374	.40687	.13020	.37967	4.6929	.47466	.24259	.11047
#1	53.534	1.0537	20.015	.51537	.49970	5.3590	.50720	.98002	.96671	.06215	1.0059	1.0362	5.0516
#2	53.511	1.0507	20.420	.52776	.49986	5.3593	.50429	.97822	.96153	.05816	.99922	1.0326	5.0595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.819**	**1.0155**	**.53519**	**.01527**	**.50211**	**1.0508**	**.00790**	**.51252**	**.49744**	**.49020**
Stddev	.012	.0037	.00095	.00059	.00743	.0007	.00259	.00828	.00679	.00247
%RSD	.11047	.36173	.17811	3.8484	1.4793	.06619	32.790	1.6154	1.3656	.50348
#1	10.810	1.0181	.53586	.01486	.49686	1.0503	.00607	.50666	.49263	.49194
#2	10.827	1.0129	.53451	.01569	.50737	1.0512	.00973	.51837	.50224	.48845
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4053.7**	**63445.**	**6239.1**
Stddev	11.6	405.	30.8
%RSD	.28642	.63908	.49338
#1	4045.5	63732.	6260.9
#2	4062.0	63158.	6217.4

Sample Name: CCB Acquired: 4/10/2012 1:04:35 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00103	.00234	-.00044	.00142	.00015	.00006	.00039	F .09577	.00006	-.00005	-.00013	F .00423
Stddev	.00023	.00005	.00200	.00028	.00017	.00004	.00065	.00125	.00012	.00011	.00000	.00022
%RSD	22.507	2.3483	450.31	19.528	113.67	60.576	165.74	1.3102	195.36	229.82	3.5450	5.0900
#1	.00087	.00238	-.00186	.00162	.00003	.00009	-.00007	.09666	-.00002	-.00012	-.00013	.00438
#2	.00119	.00230	.00097	.00123	.00028	.00004	.00085	.09488	.00014	.00003	-.00013	.00408
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	.00093							.06900				.00272
Low Limit	-.00093							-.06900				-.00272

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00394	F .27226	-.00209	.00600	W .00026	.00085	F .29339	.00017	.00254	.00084	.05959	W .00357
Stddev	.00121	.00108	.00114	.00153	.00002	.00030	.00423	.00009	.00044	.00039	.00444	.00116
%RSD	30.610	.39707	54.282	25.556	6.4997	36.036	1.4403	53.936	17.210	45.840	7.4569	32.330
#1	.00309	.27303	-.00129	.00709	.00027	.00063	.29638	.00024	.00223	.00057	.05645	.00276
#2	.00479	.27150	-.00290	.00492	.00025	.00106	.29041	.00011	.00285	.00111	.06273	.00439
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit		.25000			.00025		.18320					.00314
Low Limit		-.25000			-.00025		-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00314	-.00821	-.01758	.00080	.00009	.00078	.00043	.00030	-.01223	-.00054	W .00813	.00058
Stddev	.00218	.00197	.00421	.00033	.00000	.00010	.00007	.00065	.00356	.00001	.00003	.00005
%RSD	69.650	23.955	23.955	40.741	.99114	12.352	16.603	214.55	29.106	1.4787	.43037	8.1004
#1	-.00159	-.00682	-.01460	.00103	.00009	.00071	.00038	.00076	-.00971	-.00055	.00810	.00054
#2	-.00468	-.00961	-.02056	.00057	.00009	.00085	.00048	-.00016	-.01475	-.00054	.00815	.00061
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit											.00453	
Low Limit											-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4096.7	65321.	6249.8
Stddev	23.4	66.	47.7
%RSD	.57190	.10054	.76316
#1	4113.3	65274.	6216.0
#2	4080.2	65367.	6283.5

Sample Name: CCVL1351092 Acquired: 4/10/2012 1:07:01 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01155**	**.10696**	**.01430**	**.09435**	**.01084**	**.00100**	**.10815**	**.20333**	**.00521**	**.01030**	**.01044**	**.01432**	**.10768**	**3.3512**
Stddev	.00037	.00063	.00147	.00102	.00021	.00001	.00272	.00334	.00005	.00012	.00006	.00007	.00288	.0095
%RSD	3.1660	.59158	10.309	1.0771	1.9540	1.0504	2.5190	1.6403	.93539	1.1782	.61389	.48414	2.6744	.28278
#1	.01180	.10740	.01325	.09364	.01099	.00099	.11007	.20568	.00517	.01039	.01040	.01437	.10564	3.3445
#2	.01129	.10651	.01534	.09507	.01069	.00100	.10622	.20097	.00524	.01021	.01049	.01427	.10971	3.3579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00882**	**.20431**	**.01079**	**.01970**	**1.2014**	**.04155**	**2.7514**	**.00965**	**.04033**	**.00928**	**.01503**	**.48544**	**1.0388**	**.10152**
Stddev	.00078	.00141	.00000	.00000	.0077	.00028	.0018	.00015	.00176	.00004	.00405	.00033	.0007	.00039
%RSD	8.8079	.69079	.00666	.01044	.64490	.66788	.06530	1.5443	4.3748	.47816	26.970	.06805	.06805	.38672
#1	.00827	.20331	.01079	.01970	1.1959	.04174	2.7526	.00954	.04157	.00925	.01216	.48567	1.0393	.10179
#2	.00937	.20530	.01079	.01970	1.2068	.04135	2.7501	.00975	.03908	.00931	.01789	.48521	1.0383	.10124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.01582**	**.01001**	**.01690**	**.06840**	**.00999**	**.02202**	**.01350**
Stddev	.00001	.00034	.00013	.00160	.00775	.00022	.00007	.00169
%RSD	.07163	2.1273	1.2702	9.4609	11.326	2.2237	.33600	12.510
#1	.01094	.01558	.01010	.01577	.06293	.00983	.02197	.01469
#2	.01095	.01606	.00992	.01803	.07388	.01014	.02207	.01230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4091.6**	**65286.**	**6244.9**
Stddev	1.4	188.	5.7
%RSD	.03375	.28725	.09134
#1	4090.6	65154.	6240.9
#2	4092.6	65419.	6248.9

Sample Name: mb 280-114541/1-a Acquired: 4/10/2012 1:09:24 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00295**	**.00012**	**.00088**	**.00011**	**.00006**	**-.00117**	**.00002**	**.00004**	**.00016**
Stddev	.00004	.00068	.00148	.00068	.00006	.00003	.00090	.00174	.00011	.00026
%RSD	4.0321	23.140	1221.3	77.215	56.873	60.479	77.052	7424.2	291.46	157.65
#1	.00092	.00247	-.00093	.00040	.00006	.00003	-.00053	-.00121	-.00004	.00035
#2	.00087	.00343	.00117	.00136	.00015	.00008	-.00180	.00125	.00011	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00080**	**.00610**	**.06975**	**-.00161**	**.00130**	**.00009**	**-.00021**	**.11742**	**.00002**
Stddev	.00016	.00020	.00079	.00186	.00075	.00007	.00003	.00049	.00351	.00012
%RSD	81.961	24.592	12.938	2.6633	46.477	5.6873	36.223	229.43	2.9876	773.02
#1	.00008	-.00094	.00554	.07107	-.00108	.00125	.00011	.00013	.11494	.00010
#2	.00032	-.00066	.00666	.06844	-.00214	.00135	.00006	-.00056	.11990	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00126**	F **.03471**	**.00014**	**-.00290**	W **-.00957**	**-.02048**	**.00098**	**-.00004**	**.00128**
Stddev	.00109	.00073	.00030	.00002	.00110	.00584	.01249	.00114	.00003	.00075
%RSD	134.10	57.588	.87655	11.543	37.870	60.978	60.978	116.16	92.961	58.842
#1	.00158	.00178	.03492	.00015	-.00368	-.01370	-.02931	.00018	-.00006	.00181
#2	.00004	.00075	.03449	.00012	-.00213	-.00544	-.01165	.00179	-.00001	.00075
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00059**	**-.00468**	**.00004**	**.00313**	**-.00039**
Stddev	.00005	.00012	.02666	.00031	.00056	.00183
%RSD	13.120	20.339	569.28	695.94	17.718	467.02
#1	.00033	-.00050	-.02354	-.00017	.00353	.00090
#2	.00040	-.00067	.01417	.00026	.00274	-.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4049.6**	**65767.**	**6338.9**
Stddev	112.1	14.	7.0
%RSD	2.7679	.02111	.11108
#1	4128.8	65757.	6343.9
#2	3970.3	65776.	6334.0

Sample Name: lcs 280-114541/2-a Acquired: 4/10/2012 1:11:50 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05484**	**1.9052**	**.96817**	**.97925**	**2.1664**	**.05132**	**2.1036**	**50.024**	**.10163**	**.49149**
Stddev	.00008	.0020	.00015	.00426	.0159	.00003	.0090	.243	.00013	.00063
%RSD	.15339	.10336	.01562	.43468	.73306	.05531	.42732	.48600	.12920	.12862
#1	.05489	1.9038	.96806	.97624	2.1551	.05134	2.0973	49.852	.10154	.49104
#2	.05478	1.9066	.96828	.98226	2.1776	.05130	2.1100	50.196	.10172	.49194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20110**	**.25901**	**1.0581**	**54.025**	**1.0489**	**49.193**	**.51968**	**1.0085**	**54.203**	**.49968**
Stddev	.00077	.00079	.0029	.369	.0070	.136	.00091	.0013	.592	.00014
%RSD	.38284	.30338	.27808	.68358	.67028	.27696	.17534	.13285	1.0921	.02868
#1	.20056	.25845	1.0560	53.764	1.0439	49.097	.51903	1.0076	53.784	.49958
#2	.20164	.25957	1.0602	54.286	1.0538	49.290	.52032	1.0095	54.622	.49978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8759**	**.47242**	**.04206**	**.48088**	**2.0562**	**10.074**	F **21.559**	**2.0074**	**1.0836**	**.97435**
Stddev	.0409	.00216	.00100	.00072	.0115	.112	.239	.0028	.0062	.00012
%RSD	.41421	.45715	2.3872	.15023	.56135	1.1088	1.1088	.14009	.57300	.01196
#1	9.8470	.47090	.04277	.48037	2.0480	9.9951	21.390	2.0054	1.0792	.97426
#2	9.9049	.47395	.04135	.48139	2.0643	10.153	21.728	2.0094	1.0880	.97443
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0073**	**2.0136**	**2.1697**	**.51529**	**.47996**	**.45367**
Stddev	.0010	.0066	.0330	.00006	.00056	.00182
%RSD	.09562	.33031	1.5211	.01126	.11731	.40181
#1	1.0066	2.0089	2.1464	.51533	.48036	.45238
#2	1.0079	2.0183	2.1931	.51525	.47956	.45496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3924.1**	**61825.**	**6206.6**
Stddev	5.5	166.	36.1
%RSD	.14079	.26848	.58215
#1	3928.1	61943.	6232.2
#2	3920.2	61708.	6181.1

Sample Name: 280-27282-a-1-a Acquired: 4/10/2012 1:14:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00197**	**.00072**	**.46754**	**.03408**	**.00010**	**-.00287**	**102.53**	**.00030**	**-.00057**
Stddev	.00014	.00070	.00151	.00259	.00003	.00001	.00060	.21	.00010	.00013
%RSD	11.236	35.471	209.32	.55442	.09300	12.023	20.923	.20442	31.527	22.754
#1	.00115	.00148	.00179	.46937	.03406	.00009	-.00329	102.38	.00037	-.00048
#2	.00135	.00246	-.00035	.46571	.03411	.00011	-.00245	102.68	.00023	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00509**	**.00025**	**.03046**	**3.0145**	**.05008**	**26.082**	**.06454**	**.00391**	**176.23**	**.00083**
Stddev	.00011	.00024	.00125	.0220	.00157	.023	.00004	.00097	.00	.00009
%RSD	2.2087	98.541	4.1134	.72953	3.1287	.08966	.06939	24.685	.00172	10.318
#1	.00517	.00042	.02957	2.9990	.04898	26.099	.06451	.00323	176.23	.00089
#2	.00501	.00007	.03134	3.0301	.05119	26.066	.06457	.00459	176.22	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01341**	**.00151**	**119.55**	**-.00164**	**.01514**	**13.045**	**27.916**	**.00052**	**1.2965**	**.00018**
Stddev	.00078	.00068	.03	.00103	.00039	.034	.072	.00067	.0017	.00019
%RSD	5.8178	44.572	.02868	63.141	2.5505	.25959	.25959	129.75	.13224	105.12
#1	.01396	.00104	119.57	-.00091	.01541	13.021	27.865	.00099	1.2953	.00005
#2	.01286	.00199	119.52	-.00237	.01486	13.069	27.967	.00004	1.2978	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00199**	**.01307**	**.00091**	**.00320**	**-.00037**
Stddev	.00009	.00045	.02286	.00043	.00008	.00029
%RSD	10.187	22.674	174.93	46.967	2.4931	79.255
#1	.00090	.00167	.02923	.00121	.00315	-.00057
#2	.00078	.00230	-.00310	.00061	.00326	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3828.9**	**60088.**	**6155.9**
Stddev	4.9	9.	1.0
%RSD	.12844	.01541	.01613
#1	3832.4	60081.	6156.6
#2	3825.4	60094.	6155.2

Sample Name: 280-27282-a-1-aSD@5 Acquired: 4/10/2012 1:16:22 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00636**	**.00148**	**.09688**	**.00698**	**.00003**	**.00226**	**20.667**	**-.00006**	**-.00018**
Stddev	.00042	.00019	.00032	.00047	.00014	.00007	.00060	.160	.00001	.00008
%RSD	40.899	2.9523	21.410	.48698	1.9852	239.31	26.488	.77592	19.768	47.298
#1	.00073	.00623	.00125	.09721	.00688	.00008	.00184	20.554	-.00005	-.00024
#2	.00133	.00649	.00170	.09654	.00708	-.00002	.00268	20.781	-.00007	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**-.00121**	**.01328**	**.65283**	**.01067**	**5.4557**	**.01324**	**.00024**	**35.763**	**.00047**
Stddev	.00002	.00017	.00053	.01430	.00006	.0022	.00011	.00003	.089	.00004
%RSD	1.5862	14.393	3.9761	2.1901	.60495	.03997	.83054	13.802	.24921	8.5623
#1	.00148	-.00133	.01290	.66294	.01072	5.4572	.01332	.00021	35.700	.00044
#2	.00145	-.00109	.01365	.64272	.01063	5.4541	.01316	.00026	35.826	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00347**	**-.00090**	**24.130**	**-.00009**	**-.00184**	**2.5931**	**5.5493**	**.00007**	**.26005**	**.00030**
Stddev	.00132	.00049	.006	.00014	.00092	.0191	.0409	.00060	.00201	.00042
%RSD	38.007	54.441	.02365	160.84	49.763	.73769	.73769	861.51	.77191	137.98
#1	.00440	-.00124	24.126	-.00019	-.00249	2.5796	5.5203	-.00035	.25863	.00001
#2	.00253	-.00055	24.134	.00001	-.00120	2.6066	5.5782	.00049	.26147	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00163**	**-.01430**	**.00035**	**.00275**	**.00127**
Stddev	.00031	.00017	.00198	.00003	.00036	.00164
%RSD	62.501	10.605	13.826	9.5441	12.924	129.02
#1	.00028	.00175	-.01290	.00037	.00300	.00244
#2	.00072	.00151	-.01570	.00032	.00250	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.3**	**64111.**	**6309.8**
Stddev	2.8	117.	42.3
%RSD	.07010	.18199	.66991
#1	4048.3	64194.	6339.7
#2	4052.3	64029.	6279.9

Sample Name: 280-27282-a-1-b ms Acquired: 4/10/2012 1:18:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05274**	**1.8753**	**1.0027**	**1.4368**	**2.1891**	**.05084**	F **2.0664**	**150.38**	**.10251**	**.48541**
Stddev	.00396	.0030	.0090	.0027	.0014	.00018	.0069	.38	.00014	.00100
%RSD	7.5113	.15958	.89519	.18572	.06152	.36036	.33211	.25432	.13694	.20569
#1	.05554	1.8732	.99637	1.4349	2.1882	.05097	2.0616	150.65	.10242	.48471
#2	.04993	1.8774	1.0091	1.4386	2.1901	.05071	2.0713	150.11	.10261	.48612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20512**	**.24660**	**1.0784**	**57.422**	**1.1002**	**70.950**	**.55224**	**1.0130**	**227.53**	**.49385**
Stddev	.00001	.01866	.0041	.163	.0030	4.941	.04073	.0006	.45	.00031
%RSD	.00726	7.5689	.37901	.28376	.27626	6.9636	7.3748	.06142	.19623	.06256
#1	.20511	.25980	1.0755	57.537	1.1023	74.444	.58104	1.0134	227.85	.49363
#2	.20513	.23340	1.0813	57.307	1.0980	67.457	.52344	1.0125	227.22	.49407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.211**	**.46202**	**119.93**	**.48577**	**2.1099**	**23.155**	**49.551**	**1.9897**	**2.3606**	**.93500**
Stddev	.003	.00053	.24	.00017	.0078	.066	.140	.0039	.0026	.06087
%RSD	.02627	.11498	.19896	.03547	.36979	.28351	.28351	.19494	.11070	6.5103
#1	10.210	.46165	119.76	.48589	2.1044	23.201	49.651	1.9869	2.3588	.97804
#2	10.213	.46240	120.10	.48565	2.1154	23.108	49.452	1.9924	2.3625	.89195
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96013**	**1.9007**	**2.0879**	**.49112**	**.46220**	**.45484**
Stddev	.06769	.0009	.1858	.03579	.03145	.00007
%RSD	7.0504	.04700	8.9011	7.2876	6.8034	.01447
#1	1.0080	1.9013	2.2193	.51643	.48444	.45479
#2	.91226	1.9001	1.9565	.46581	.43997	.45489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3725.8**	**60373.**	**6009.6**
Stddev	4.1	2948.	45.9
%RSD	.11131	4.8827	.76405
#1	3728.7	58289.	5977.1
#2	3722.9	62458.	6042.1

Sample Name: 280-27282-a-1-c msd Acquired: 4/10/2012 1:20:55 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05497**	**1.8618**	**.99553**	**1.4199**	**2.1703**	**.05028**	F **2.0495**	**148.05**	**.10213**	**.48230**
Stddev	.00034	.0038	.00766	.0060	.0136	.00030	.0034	.76	.00006	.00019
%RSD	.62720	.20528	.76911	.42141	.62442	.60570	.16623	.51432	.06271	.03972
#1	.05472	1.8645	.99012	1.4157	2.1608	.05007	2.0471	147.51	.10217	.48216
#2	.05521	1.8591	1.0009	1.4241	2.1799	.05050	2.0519	148.59	.10208	.48243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20372**	**.25792**	**1.0612**	**56.960**	**1.0935**	**74.064**	**.57830**	**1.0063**	**223.67**	**.49062**
Stddev	.00098	.00048	.0001	.279	.0073	.257	.00107	.0002	.88	.00065
%RSD	.48183	.18741	.01195	.48933	.66349	.34717	.18514	.01975	.39370	.13261
#1	.20302	.25826	1.0613	56.762	1.0884	74.246	.57906	1.0064	223.05	.49016
#2	.20441	.25758	1.0611	57.157	1.0987	73.883	.57754	1.0061	224.30	.49108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.147**	**.46019**	**117.62**	**.47813**	**2.0983**	**22.803**	**48.798**	**1.9705**	**2.3228**	**.97461**
Stddev	.026	.00082	.17	.00231	.0072	.082	.175	.0003	.0092	.00327
%RSD	.25781	.17774	.14719	.48226	.34171	.35816	.35816	.01322	.39513	.33573
#1	10.128	.46077	117.50	.47650	2.1033	22.745	48.674	1.9703	2.3163	.97692
#2	10.165	.45961	117.75	.47976	2.0932	22.861	48.922	1.9707	2.3293	.97229
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0022**	**1.8887**	**2.1792**	**.51439**	**.48397**	**.44930**
Stddev	.0031	.0022	.0060	.00293	.00284	.00447
%RSD	.30731	.11808	.27656	.57048	.58668	.99523
#1	1.0044	1.8872	2.1750	.51646	.48598	.44614
#2	1.0001	1.8903	2.1835	.51231	.48197	.45247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3709.4**	**58226.**	**5999.9**
Stddev	6.0	11.	8.4
%RSD	.16201	.01851	.14061
#1	3705.2	58233.	6005.9
#2	3713.7	58218.	5994.0

Sample Name: 280-27282-a-1-aPDS Acquired: 4/10/2012 1:23:04 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04930**	**1.1360**	**.23552**	**.56559**	**.16166**	**.06005**	**-.00249**	**125.72**	**.06070**	**.05708**
Stddev	.00037	.0006	.00068	.00066	.00016	.00017	.00048	.30	.00009	.00017
%RSD	.76008	.05660	.28758	.11751	.10033	.28254	19.146	.24235	.15395	.30453
#1	.04904	1.1365	.23600	.56512	.16154	.06017	-.00283	125.50	.06077	.05696
#2	.04957	1.1356	.23505	.56606	.16177	.05993	-.00215	125.93	.06063	.05720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06418**	**.06173**	**1.2838**	**28.808**	**.17623**	**49.072**	**.12633**	**.05517**	**200.65**	**.05851**
Stddev	.00003	.00051	.0021	.030	.00026	.132	.00001	.00075	.63	.00011
%RSD	.04596	.82031	.16545	.10343	.14483	.26913	.01065	1.3526	.31194	.19406
#1	.06421	.06209	1.2853	28.787	.17605	49.165	.12632	.05464	200.20	.05859
#2	.06416	.06137	1.2823	28.829	.17641	48.978	.12633	.05570	201.09	.05843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4102**	**.10906**	**120.01**	**.10145**	**.26115**	**18.269**	**39.095**	**.10322**	**1.3598**	**.23179**
Stddev	.0055	.00016	.05	.00268	.00024	.040	.086	.00176	.0012	.00074
%RSD	.22834	.15018	.04266	2.6466	.09122	.21873	.21873	1.7076	.08534	.31736
#1	2.4063	.10918	120.04	.10335	.26098	18.297	39.155	.10447	1.3606	.23127
#2	2.4141	.10895	119.97	.09955	.26131	18.240	39.035	.10198	1.3589	.23231
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05324**	**.22834**	**.65223**	**.06227**	**.23677**	**.04263**
Stddev	.00026	.00411	.00687	.00008	.00022	.00096
%RSD	.48119	1.8012	1.0538	.12383	.09437	2.2458
#1	.05306	.23125	.64737	.06233	.23692	.04196
#2	.05342	.22543	.65709	.06222	.23661	.04331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3773.5**	**58942.**	**6022.3**
Stddev	.2	123.	37.3
%RSD	.00661	.20926	.61997
#1	3773.3	59030.	6048.7
#2	3773.6	58855.	5995.9

Sample Name: 280-27282-a-2-a Acquired: 4/10/2012 1:25:20 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00118	.00671	.00249	.46486	.03354	.00002	-.00289	102.12	.00025	-.00044
Stddev	.00022	.00015	.00048	.00129	.00018	.00004	.00224	.63	.00000	.00009
%RSD	18.776	2.1937	19.127	.27732	.52195	253.77	77.640	.62104	.81071	20.058
#1	.00103	.00660	.00216	.46394	.03342	-.00001	-.00130	101.68	.00025	-.00038
#2	.00134	.00681	.00283	.46577	.03366	.00004	-.00447	102.57	.00025	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00548	.00110	.08241	3.0555	.05327	26.009	.06732	.00252	176.11	.00132
Stddev	.00018	.00025	.00173	.0218	.00060	.107	.00033	.00003	.77	.00023
%RSD	3.2546	22.438	2.0974	.71480	1.1187	.41227	.48856	1.1359	.43992	17.610
#1	.00535	.00093	.08119	3.0401	.05285	25.933	.06709	.00250	175.56	.00148
#2	.00560	.00128	.08363	3.0710	.05369	26.085	.06755	.00254	176.66	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01450	.00060	118.79	-.00170	.01254	12.956	27.725	-.00012	1.2891	-.00044
Stddev	.00052	.00023	.23	.00184	.00312	.003	.007	.00042	.0024	.00006
%RSD	3.5530	37.417	.19176	108.41	24.888	.02682	.02682	349.75	.18790	13.589
#1	.01414	.00076	118.63	-.00300	.01033	12.953	27.720	.00018	1.2874	-.00048
#2	.01487	.00044	118.95	-.00040	.01474	12.958	27.730	-.00042	1.2908	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00092	.00035	.02109	.00047	.00406	.00029
Stddev	.00020	.00004	.02128	.00024	.00060	.00104
%RSD	21.605	10.710	100.88	51.770	14.904	363.68
#1	.00078	.00033	.00605	.00064	.00449	.00102
#2	.00106	.00038	.03614	.00030	.00363	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3817.1	59645.	6063.5
Stddev	8.7	222.	14.5
%RSD	.22743	.37154	.23879
#1	3823.3	59802.	6073.7
#2	3811.0	59488.	6053.2

Sample Name: 280-27282-a-3-a Acquired: 4/10/2012 1:27:41 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114541 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00708**	**-.00285**	**.45868**	**.03329**	**.00009**	**-.00070**	**100.67**	**.00029**	**-.00011**
Stddev	.00027	.00004	.00452	.00154	.00020	.00006	.00034	.41	.00007	.00023
%RSD	21.105	.61550	158.23	.33600	.60370	68.224	47.999	.40238	25.491	214.57
#1	.00108	.00711	.00034	.45759	.03343	.00013	-.00094	100.38	.00034	.00006
#2	.00146	.00705	-.00605	.45977	.03314	.00005	-.00046	100.96	.00023	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00532**	**.00006**	**.08553**	**2.9954**	**.05092**	**25.731**	**.07289**	**.00217**	**172.41**	**.00141**
Stddev	.00009	.00020	.00125	.0206	.00188	.134	.00035	.00015	.14	.00005
%RSD	1.6905	341.55	1.4591	.68676	3.6888	.52093	.48330	6.7230	.08141	3.5278
#1	.00538	.00020	.08641	3.0100	.05225	25.826	.07314	.00207	172.31	.00144
#2	.00525	-.00008	.08465	2.9809	.04959	25.636	.07264	.00228	172.51	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01388**	**.00004**	**117.18**	**-.00159**	**.01349**	**12.740**	**27.263**	**-.00014**	**1.2651**	**.00133**
Stddev	.00033	.00117	.16	.00059	.00367	.089	.191	.00016	.0003	.00026
%RSD	2.3590	2798.5	.13472	36.994	27.203	.70090	.70090	116.84	.02650	19.264
#1	.01365	-.00078	117.07	-.00118	.01089	12.677	27.128	-.00025	1.2649	.00115
#2	.01412	.00087	117.29	-.00201	.01608	12.803	27.398	-.00002	1.2654	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00020**	**.01901**	**.00065**	**.00366**	**-.00012**
Stddev	.00009	.00004	.02063	.00010	.00006	.00006
%RSD	11.362	19.579	108.55	15.731	1.7377	52.070
#1	.00084	.00023	.00442	.00073	.00371	-.00008
#2	.00071	.00017	.03360	.00058	.00362	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3820.8**	**59773.**	**6063.1**
Stddev	19.3	32.	72.9
%RSD	.50413	.05378	1.2022
#1	3834.4	59796.	6114.6
#2	3807.2	59750.	6011.5

Sample Name: CCVH-1326164 Acquired: 4/10/2012 1:30:02 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**52.402**	**-.00483**	**.00320**	**.00021**	**.00009**	**1.0046**	**-.00216**	**-.00005**	**.00025**	**.00120**	**.00450**
Stddev	.00044	.126	.00399	.00009	.00002	.00004	.0012	.00567	.00005	.00018	.00031	.00014
%RSD	13.041	.24094	82.614	2.7439	7.3716	45.383	.12072	262.94	109.69	73.626	25.568	3.2168
#1	.00307	52.491	-.00765	.00314	.00022	.00012	1.0038	.00185	-.00008	.00038	.00098	.00460
#2	.00369	52.313	-.00201	.00326	.00020	.00006	1.0055	-.00616	-.00001	.00012	.00142	.00439
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.493**	**.11828**	**.00070**	**.01255**	**-.00004**	**-.00082**	**262.93**	**.00214**	**.00408**	**-.00147**	**5.0027**	**-.00241**
Stddev	.066	.05363	.00195	.00150	.00006	.00002	.82	.00013	.00059	.00045	.0106	.00164
%RSD	.12572	45.339	276.56	11.915	134.41	2.0126	.31162	5.8531	14.418	30.762	.21098	68.159
#1	52.540	.15620	.00208	.01361	-.00008	-.00081	263.51	.00205	.00449	-.00115	4.9952	-.00357
#2	52.447	.08036	-.00067	.01150	.00000	-.00083	262.35	.00223	.00366	-.00179	5.0101	-.00125
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00479**	**.01937**	**.04145**	**.00314**	**.00041**	**4.9070**	**.00242**	**.00188**	W **10.686**	**.00302**	**.00140**	**-.19758**
Stddev	.00169	.00453	.00969	.00057	.00002	.0195	.00011	.00156	.018	.00018	.00018	.00004
%RSD	35.227	23.387	23.387	18.297	5.5964	.39656	4.3853	82.844	.17008	5.9762	12.974	.02114
#1	-.00598	.02257	.04831	.00354	.00043	4.9208	.00234	.00078	10.699	.00290	.00127	-.19760
#2	-.00360	.01617	.03460	.00273	.00039	4.8933	.00249	.00298	10.673	.00315	.00153	-.19755
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3930.3**	**60660.**	**6200.5**
Stddev	1.8	367.	19.4
%RSD	.04511	.60566	.31294
#1	3929.0	60401.	6186.8
#2	3931.5	60920.	6214.2

Sample Name: CCV-1343805 Acquired: 4/10/2012 1:32:23 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53128**	**.52152**	**.96932**	**.50044**	**.54765**	**.51502**	**.00051**	**5.1986**	**.50777**	**.50675**	**.50800**	**.52288**	**2.7120**	**54.339**
Stddev	.00270	.00194	.00168	.00063	.00076	.00244	.00038	.0272	.00036	.00053	.00060	.00430	.0013	.082
%RSD	.50773	.37153	.17347	.12627	.13854	.47400	75.126	.52237	.07107	.10461	.11732	.82183	.04765	.15026
#1	.53318	.52015	.96814	.50089	.54819	.51674	.00024	5.2178	.50752	.50637	.50842	.52592	2.7111	54.396
#2	.52937	.52289	.97051	.50000	.54712	.51329	.00078	5.1794	.50803	.50712	.50758	.51984	2.7129	54.281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0548**	**20.634**	**.53001**	**.50341**	**5.3670**	**.51023**	**.98877**	**.97348**	**.05663**	**1.0057**	**1.0377**	**5.1147**	**10.945**	**1.0263**
Stddev	.0087	.051	.00230	.00114	.0315	.00090	.00410	.00178	.00110	.0001	.0060	.0257	.055	.0037
%RSD	.82391	.24683	.43441	.22593	.58755	.17555	.41426	.18323	1.9361	.00657	.57861	.50165	.50165	.36268
#1	1.0609	20.670	.53164	.50421	5.3893	.50960	.98587	.97222	.05741	1.0058	1.0420	5.1328	10.984	1.0237
#2	1.0486	20.598	.52838	.50260	5.3447	.51086	.99166	.97474	.05586	1.0057	1.0335	5.0965	10.907	1.0290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54059**	**.01368**	**.50811**	**1.0566**	**.00287**	**.51986**	**.50467**	**.49327**
Stddev	.00127	.00047	.00305	.0040	.00524	.00227	.00112	.00350
%RSD	.23572	3.4492	.59960	.37866	182.75	.43715	.22245	.71024
#1	.54149	.01401	.51026	1.0595	-.00084	.52147	.50546	.49574
#2	.53969	.01335	.50595	1.0538	.00657	.51826	.50388	.49079
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4034.4**	**62559.**	**6096.0**
Stddev	5.4	264.	17.6
%RSD	.13485	.42237	.28826
#1	4038.3	62373.	6083.6
#2	4030.6	62746.	6108.5

Sample Name: CCB Acquired: 4/10/2012 1:34:34 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00120	.00041	.00145	.00172	.00007	.00011	.00138	.00121	.00008	.00010	.00013
Stddev	.00013	.00027	.00222	.00008	.00004	.00001	.00054	.00221	.00010	.00007	.00002
%RSD	11.109	66.987	152.52	4.6653	58.444	9.7882	38.798	183.07	118.46	64.690	14.526
#1	.00130	.00060	.00302	.00177	.00004	.00011	.00176	.00276	.00001	.00015	.00011
#2	.00111	.00021	-.00011	.00166	.00010	.00010	.00100	-.00035	.00015	.00006	.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00157	.00087	.06921	-.00165	.00293	.00004	.00106	W .15701	-.00004	.00205	.00044
Stddev	.00000	.00069	.02617	.00150	.00056	.00002	.00054	.00522	.00038	.00149	.00109
%RSD	.12638	78.991	37.815	91.199	19.218	39.150	50.802	3.3260	908.31	72.687	248.67
#1	-.00157	.00136	.05070	-.00271	.00333	.00003	.00068	.15331	.00023	.00100	.00121
#2	-.00157	.00038	.08772	-.00059	.00253	.00005	.00144	.16070	-.00031	.00311	-.00033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03981	.00167	-.00283	-.00713	-.01526	.00175	.00011	-.00020	.00033	-.00023	.00673
Stddev	.00831	.00145	.00102	.00627	.01343	.00143	.00010	.00067	.00023	.00001	.00460
%RSD	20.878	86.951	36.046	87.980	87.980	81.330	94.285	331.83	68.703	3.7686	68.367
#1	.03394	.00064	-.00355	-.00269	-.00577	.00075	.00018	-.00068	.00049	-.00022	.00348
#2	.04569	.00270	-.00211	-.01157	-.02475	.00276	.00004	.00027	.00017	-.00023	.00998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00014	.00184	W .00242
Stddev	.00049	.00007	.00136
%RSD	349.73	3.7887	56.066
#1	.00020	.00189	.00338
#2	-.00048	.00179	.00146
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4045.7	64062.	6023.3
Stddev	6.2	105.	23.3
%RSD	.15316	.16463	.38711
#1	4050.1	64137.	6039.8
#2	4041.3	63988.	6006.8

Sample Name: CCVL1351092 Acquired: 4/10/2012 1:37:01 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01126**	**.10696**	**.01365**	**.09198**	**.01107**	**.00107**	**.10689**	**.20823**	**.00515**	**.01035**	**.01037**	**.01438**	**.10697**
Stddev	.00067	.00014	.00079	.00059	.00027	.00001	.00048	.00237	.00006	.00020	.00003	.00023	.00219
%RSD	5.9212	.13502	5.7924	.64375	2.4149	.50421	.44440	1.1378	1.0881	1.9002	.27554	1.5926	2.0458
#1	.01078	.10686	.01309	.09156	.01088	.00108	.10655	.20655	.00511	.01049	.01039	.01454	.10852
#2	.01173	.10706	.01421	.09240	.01126	.00107	.10722	.20990	.00519	.01021	.01035	.01422	.10542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3379**	**.01071**	**.20797**	**.01090**	**.01967**	**1.2250**	**.04120**	**2.7214**	**.00981**	**.03170**	**.00964**	F **.01004**	**.47774**
Stddev	.0143	.00119	.00099	.00000	.00038	.0099	.00011	.0044	.00188	.00071	.00138	.00124	.02225
%RSD	.42967	11.134	.47400	.01571	1.9079	.80861	.27221	.16240	19.142	2.2457	14.363	12.377	4.6572
#1	3.3278	.00987	.20866	.01090	.01994	1.2180	.04128	2.7182	.00849	.03220	.00866	.00916	.46200
#2	3.3480	.01155	.20727	.01089	.01941	1.2320	.04112	2.7245	.01114	.03120	.01062	.01092	.49347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0224**	**.10110**	**.01098**	**.01557**	**.01021**	**.01707**	**.06029**	**.01041**	**.02213**	**.01422**
Stddev	.0476	.00013	.00007	.00045	.00024	.00028	.00645	.00013	.00011	.00161
%RSD	4.6572	.12898	.66718	2.8667	2.3051	1.6143	10.702	1.2134	.51338	11.291
#1	.98869	.10101	.01103	.01588	.01005	.01687	.06485	.01050	.02221	.01308
#2	1.0560	.10119	.01093	.01525	.01038	.01726	.05572	.01032	.02205	.01535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4070.8**	**64425.**	**6114.3**
Stddev	14.8	343.	51.9
%RSD	.36353	.53244	.84884
#1	4081.2	64183.	6077.6
#2	4060.3	64668.	6151.0

Sample Name: mb 280-114568/1-b Acquired: 4/10/2012 1:39:25 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00164**	**-.00072**	**.00049**	**-.00002**	**.00012**	**.00307**	**.00240**	**-.00017**	**.00015**
Stddev	.00024	.00003	.00159	.00002	.00014	.00000	.00009	.00112	.00011	.00023
%RSD	23.647	2.1187	219.20	3.5197	899.72	4.1623	2.9021	46.585	65.558	150.19
#1	.00120	.00166	-.00185	.00047	-.00011	.00012	.00313	.00161	-.00025	-.00001
#2	.00085	.00161	.00040	.00050	.00008	.00011	.00301	.00319	-.00009	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00127**	**.00395**	**.03416**	**.00012**	**.00203**	**.00011**	**-.00006**	**.12922**	**.00023**
Stddev	.00025	.00011	.00161	.01061	.00172	.00028	.00000	.00020	.00355	.00003
%RSD	614.96	8.4164	40.750	31.043	1381.3	13.954	1.7858	323.81	2.7436	13.730
#1	.00021	-.00119	.00509	.02666	-.00109	.00223	.00011	-.00020	.12671	.00020
#2	-.00013	-.00134	.00281	.04166	.00134	.00183	.00011	.00008	.13172	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00053**	F **.03029**	**.00086**	**-.00277**	**.00317**	**.00678**	**-.00086**	**.00002**	**.00059**
Stddev	.00238	.00004	.00155	.00200	.00285	.00317	.00679	.00096	.00004	.00207
%RSD	188.96	7.0924	5.1331	232.93	102.91	100.14	100.14	111.81	205.42	351.45
#1	-.00042	.00055	.03139	-.00055	-.00479	.00541	.01158	-.00154	.00005	-.00088
#2	.00294	.00050	.02919	.00227	-.00076	.00093	.00198	-.00018	-.00001	.00206
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00186**	**-.00549**	**-.00022**	**.00279**	**.00206**
Stddev	.00005	.00144	.01085	.00043	.00025	.00169
%RSD	8.9680	77.589	197.54	196.67	8.9957	81.840
#1	.00051	.00084	.00218	-.00052	.00297	.00326
#2	.00058	.00288	-.01317	.00008	.00261	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4148.1**	**65422.**	**6187.2**
Stddev	15.7	160.	60.1
%RSD	.37923	.24478	.97178
#1	4159.2	65309.	6229.7
#2	4137.0	65535.	6144.7

Sample Name: lcs 280-114568/2-b Acquired: 4/10/2012 1:41:51 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05617**	**1.9482**	**.99401**	**1.0336**	**2.1610**	**.05144**	**2.1385**	**50.372**	**.10411**	**.49571**
Stddev	.00028	.0077	.00018	.0014	.0007	.00036	.0058	.223	.00009	.00116
%RSD	.49238	.39408	.01848	.13228	.03262	.70513	.27270	.44233	.08714	.23442
#1	.05637	1.9427	.99388	1.0346	2.1606	.05119	2.1426	50.214	.10417	.49653
#2	.05598	1.9536	.99414	1.0327	2.1615	.05170	2.1344	50.529	.10404	.49488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20099**	**.26302**	**1.0596**	**54.257**	**1.0537**	**50.930**	**.52558**	**1.0123**	**54.478**	**.50377**
Stddev	.00064	.00139	.0032	.013	.0033	.072	.00077	.0043	.095	.00279
%RSD	.32033	.52852	.30406	.02486	.31362	.14145	.14736	.42821	.17482	.55383
#1	.20144	.26400	1.0573	54.248	1.0513	50.981	.52613	1.0154	54.411	.50574
#2	.20053	.26203	1.0619	54.267	1.0560	50.879	.52503	1.0092	54.545	.50180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.245**	**.48190**	**.03978**	**.49504**	**2.1659**	**10.260**	F **21.956**	**2.0476**	**1.0793**	**.99025**
Stddev	.021	.00115	.00093	.00001	.0005	.067	.143	.0025	.0004	.00083
%RSD	.20646	.23877	2.3337	.00151	.02426	.65213	.65213	.12302	.04001	.08361
#1	10.260	.48271	.03912	.49504	2.1655	10.212	21.854	2.0494	1.0790	.98967
#2	10.230	.48109	.04044	.49505	2.1663	10.307	22.057	2.0459	1.0796	.99084
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0221**	**2.0657**	**2.1812**	**.51942**	**.49587**	**.45365**
Stddev	.0002	.0038	.0101	.00081	.00081	.00829
%RSD	.02362	.18519	.46118	.15645	.16351	1.8271
#1	1.0219	2.0684	2.1884	.52000	.49529	.44779
#2	1.0222	2.0630	2.1741	.51885	.49644	.45951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3935.1**	**61433.**	**6153.8**
Stddev	4.8	175.	30.7
%RSD	.12157	.28495	.49865
#1	3931.7	61557.	6175.5
#2	3938.5	61309.	6132.1

Sample Name: 280-27322-a-1-b Acquired: 4/10/2012 1:44:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.01342**	**-.00351**	**.17860**	**.65598**	**.00006**	**.00434**	**3.4535**	**-.00008**	**-.00072**
Stddev	.00017	.00012	.00469	.00095	.00011	.00001	.00134	.0104	.00016	.00002
%RSD	24.460	.90171	133.78	.53109	.01748	16.738	30.919	.29979	192.92	3.1901
#1	.00057	.01334	-.00019	.17927	.65590	.00006	.00529	3.4608	.00003	-.00070
#2	.00080	.01351	-.00682	.17793	.65607	.00007	.00339	3.4461	-.00020	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00116**	**.68068**	**3.3781**	**.08483**	**.70697**	**.01188**	**.00313**	W **652.69**	**-.00009**
Stddev	.00015	.00012	.00069	.0497	.00048	.00418	.00001	.00093	.45	.00004
%RSD	31.399	10.702	.10107	1.4725	.56850	.59060	.04382	29.714	.06941	49.552
#1	.00058	.00108	.68020	3.3429	.08517	.70402	.01188	.00247	653.01	-.00006
#2	.00037	.00125	.68117	3.4132	.08449	.70993	.01189	.00379	652.37	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05908**	**-.00041**	**.17717**	**-.00180**	**-.00207**	**8.9223**	**19.094**	**.00079**	**.78207**	**.00038**
Stddev	.00147	.00190	.01005	.00047	.00058	.0512	.109	.00169	.00104	.00073
%RSD	2.4937	458.28	5.6743	25.855	28.038	.57340	.57340	214.41	.13315	191.20
#1	.05804	-.00175	.17006	-.00147	-.00248	8.9585	19.171	-.00041	.78133	-.00013
#2	.06012	.00093	.18428	-.00213	-.00166	8.8861	19.016	.00198	.78280	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.00381**	**-.01759**	**-.00013**	**.00754**	**.00085**
Stddev	.00004	.00013	.00382	.00038	.00040	.00029
%RSD	4.0917	3.3758	21.726	299.80	5.3306	34.334
#1	.00093	.00390	-.01489	-.00040	.00726	.00105
#2	.00099	.00371	-.02029	.00014	.00783	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3768.7**	**57325.**	**6053.6**
Stddev	10.8	166.	6.0
%RSD	.28580	.28898	.09850
#1	3761.1	57442.	6057.8
#2	3776.4	57208.	6049.4

Sample Name: 280-27322-a-2-b Acquired: 4/10/2012 1:46:29 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00775**	**.00085**	**.03423**	**.45337**	**.00009**	**.00252**	**5.3382**	**-.00017**	**-.00047**
Stddev	.00028	.00032	.00368	.00136	.00256	.00009	.00226	.0145	.00003	.00012
%RSD	31.603	4.1009	432.13	3.9607	.56562	102.81	89.547	.27145	18.437	24.448
#1	.00069	.00752	.00346	.03327	.45155	.00002	.00092	5.3280	-.00014	-.00039
#2	.00108	.00797	-.00175	.03519	.45518	.00015	.00411	5.3485	-.00019	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00052**	**.59500**	**1.6081**	**.00828**	**1.0046**	**.01007**	**-.00009**	**197.58**	**.00040**
Stddev	.00011	.00001	.00514	.0538	.00140	.0037	.00006	.00006	.98	.00001
%RSD	23.215	2.2726	.86336	3.3445	16.876	.36411	.61834	68.410	.49418	3.0322
#1	.00055	.00052	.59137	1.5700	.00729	1.0020	.01011	-.00004	196.89	.00039
#2	.00039	.00053	.59863	1.6461	.00927	1.0072	.01003	-.00013	198.28	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02905**	**.00003**	**.11933**	**-.00169**	**-.00236**	**6.9674**	**14.910**	**-.00012**	**.34691**	**-.00067**
Stddev	.00038	.00104	.00548	.00180	.00200	.0354	.076	.00051	.00194	.00134
%RSD	1.3226	3738.3	4.5899	106.96	84.834	.50798	.50798	418.97	.56065	199.12
#1	.02932	.00077	.11546	-.00296	-.00094	6.9423	14.857	.00024	.34554	.00027
#2	.02878	-.00071	.12320	-.00041	-.00378	6.9924	14.964	-.00048	.34829	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00302**	**-.00733**	**-.00021**	**.00940**	**.00002**
Stddev	.00002	.00021	.01211	.00018	.00009	.00063
%RSD	3.9794	6.7875	165.11	86.066	.97216	3529.9
#1	.00058	.00288	.00123	-.00008	.00946	.00046
#2	.00055	.00317	-.01589	-.00034	.00933	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4012.9**	**61011.**	**6167.2**
Stddev	109.5	166.	9.7
%RSD	2.7298	.27239	.15743
#1	4090.4	61128.	6174.1
#2	3935.4	60893.	6160.3

Sample Name: 280-27322-a-3-b Acquired: 4/10/2012 1:48:53 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.01671**	**-.00205**	**.17326**	**.31649**	**.00003**	**.00354**	**2.6768**	**-.00013**	**-.00061**
Stddev	.00010	.00007	.00380	.00026	.00131	.00004	.00248	.0073	.00014	.00009
%RSD	10.683	.40286	185.08	.15158	.41437	119.88	69.965	.27360	103.61	14.019
#1	.00106	.01676	.00063	.17345	.31556	.00006	.00179	2.6820	-.00023	-.00067
#2	.00091	.01667	-.00473	.17307	.31742	.00001	.00530	2.6716	-.00004	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.00098**	**1.0157**	**2.3635**	**.06996**	**.34645**	**.01807**	**.00084**	**406.56**	**.00097**
Stddev	.00022	.00004	.0051	.0192	.00175	.00380	.00003	.00015	1.76	.00020
%RSD	19.088	4.4762	.50203	.81268	2.5009	1.0961	.17489	17.705	.43414	21.079
#1	.00130	.00101	1.0121	2.3499	.06872	.34913	.01809	.00094	405.31	.00082
#2	.00099	.00095	1.0193	2.3771	.07120	.34376	.01805	.00073	407.81	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03601**	**.00018**	**.21156**	**-.00312**	**-.00153**	**9.4705**	**20.267**	**-.00098**	**.41527**	**.00060**
Stddev	.00116	.00008	.00279	.00071	.00493	.0472	.101	.00060	.00317	.00119
%RSD	3.2311	44.019	1.3210	22.793	322.26	.49835	.49835	61.136	.76241	199.64
#1	.03683	.00024	.20959	-.00362	-.00502	9.4372	20.196	-.00141	.41303	-.00025
#2	.03518	.00012	.21354	-.00262	.00196	9.5039	20.338	-.00056	.41751	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00346**	**-.00399**	**.00020**	**.01074**	**.00234**
Stddev	.00025	.00033	.00053	.00001	.00018	.00014
%RSD	42.414	9.4716	13.222	2.9553	1.7178	5.7672
#1	.00041	.00323	-.00437	.00019	.01087	.00225
#2	.00076	.00370	-.00362	.00020	.01061	.00244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3836.6**	**58778.**	**6114.2**
Stddev	12.8	179.	26.4
%RSD	.33250	.30498	.43107
#1	3845.6	58651.	6095.6
#2	3827.5	58905.	6132.9

Sample Name: 280-27322-a-3-bSD@5 Acquired: 4/10/2012 1:51:21 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00546**	**.00196**	**.03548**	**.06549**	**.00002**	**.00253**	**.55702**	**-.00002**	**-.00015**
Stddev	.00007	.00039	.00112	.00016	.00047	.00000	.00008	.00561	.00002	.00004
%RSD	7.1190	7.0953	57.105	.46254	.71157	17.674	3.0985	1.0070	104.60	23.405
#1	.00100	.00573	.00117	.03560	.06516	.00002	.00259	.55305	-.00003	-.00018
#2	.00110	.00519	.00275	.03537	.06582	.00002	.00248	.56098	.00000	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00052**	**.21247**	**.58956**	**.01302**	**.07169**	**.00379**	**-.00017**	**84.668**	**.00023**
Stddev	.00002	.00041	.00375	.02225	.00103	.00046	.00005	.00016	.566	.00009
%RSD	5.1172	78.452	1.7658	3.7748	7.8793	.63483	1.3307	95.522	.66792	40.075
#1	.00046	-.00081	.20982	.57382	.01374	.07137	.00383	-.00005	84.268	.00030
#2	.00049	-.00023	.21513	.60530	.01229	.07201	.00376	-.00028	85.068	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00838**	**-.00001**	**.06669**	**-.00109**	**-.00062**	**1.9416**	**4.1550**	**-.00029**	**.08620**	**.00102**
Stddev	.00107	.00232	.00472	.00139	.00314	.0142	.0305	.00010	.00018	.00058
%RSD	12.753	30179.	7.0835	127.26	508.51	.73311	.73311	35.352	.20393	56.783
#1	.00914	-.00165	.07003	-.00011	.00160	1.9315	4.1335	-.00037	.08607	.00061
#2	.00762	.00163	.06335	-.00207	-.00284	1.9517	4.1766	-.00022	.08632	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00121**	**-.01137**	**.00011**	**.00455**	**.00054**
Stddev	.00011	.00048	.02016	.00021	.00017	.00054
%RSD	37.562	39.666	177.29	189.05	3.7865	101.38
#1	.00022	.00156	-.02562	-.00004	.00443	.00015
#2	.00038	.00087	.00288	.00026	.00467	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4003.6**	**61995.**	**6126.3**
Stddev	.5	20.	55.3
%RSD	.01192	.03158	.90328
#1	4003.3	61982.	6165.4
#2	4003.9	62009.	6087.1

Sample Name: 280-27322-a-3-c ms Acquired: 4/10/2012 1:53:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05692**	**1.8812**	**.99374**	**1.1565**	**2.4710**	**.05076**	F **2.0361**	**52.270**	**.10251**	**.48046**
Stddev	.00010	.0070	.00636	.0046	.0149	.00031	.0166	.285	.00060	.00128
%RSD	.18066	.36988	.64048	.39451	.60081	.60347	.81466	.54437	.58885	.26715
#1	.05699	1.8763	.98924	1.1533	2.4605	.05055	2.0244	52.069	.10209	.47955
#2	.05684	1.8861	.99824	1.1597	2.4815	.05098	2.0478	52.471	.10294	.48136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19868**	**.25848**	**2.0896**	**57.137**	**1.1136**	**49.175**	**.54166**	**.98881**	**471.54**	**.49058**
Stddev	.00106	.00054	.0104	.213	.0055	.133	.00002	.00242	1.62	.00219
%RSD	.53105	.20914	.49979	.37193	.49578	.27042	.00443	.24469	.34354	.44663
#1	.19794	.25887	2.0822	56.987	1.1097	49.269	.54165	.98710	470.40	.48903
#2	.19943	.25810	2.0970	57.287	1.1175	49.081	.54168	.99052	472.69	.49213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.282**	**.45347**	**.21183**	**.47669**	**2.1307**	**19.961**	**42.717**	**1.9654**	**1.5035**	**.98362**
Stddev	.058	.00023	.00023	.00024	.0082	.102	.218	.0021	.0073	.00252
%RSD	.56730	.05174	.10625	.05000	.38575	.50991	.50991	.10549	.48456	.25591
#1	10.241	.45364	.21199	.47685	2.1249	19.889	42.563	1.9640	1.4983	.98540
#2	10.323	.45331	.21167	.47652	2.1365	20.033	42.871	1.9669	1.5087	.98184
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0081**	**1.8714**	**2.1359**	**.51816**	**.51287**	**.44407**
Stddev	.0019	.0055	.0012	.00030	.00293	.00365
%RSD	.18384	.29485	.05761	.05880	.57069	.82254
#1	1.0068	1.8675	2.1368	.51794	.51494	.44148
#2	1.0094	1.8753	2.1350	.51838	.51080	.44665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3775.9**	**57744.**	**6075.5**
Stddev	12.8	91.	40.6
%RSD	.33958	.15800	.66781
#1	3785.0	57809.	6104.2
#2	3766.8	57680.	6046.9

Sample Name: 280-27322-a-3-d msd Acquired: 4/10/2012 1:56:00 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114582 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05609**	**1.8741**	**.99441**	**1.1599**	**2.4822**	**.05113**	F **2.0460**	**52.673**	**.10278**	**.48077**
Stddev	.00041	.0227	.00234	.0042	.0324	.00077	.0004	.736	.00053	.00346
%RSD	.73780	1.2111	.23493	.36362	1.3036	1.4999	.01902	1.3970	.51757	.71875
#1	.05580	1.8581	.99275	1.1569	2.5050	.05167	2.0457	53.194	.10241	.47832
#2	.05639	1.8902	.99606	1.1629	2.4593	.05059	2.0463	52.153	.10316	.48321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19872**	**.25732**	**2.0743**	**57.445**	**1.1207**	**48.524**	**.53410**	**.99483**	**463.69**	**.48978**
Stddev	.00190	.00100	.0358	.650	.0182	.116	.00256	.00209	6.90	.00394
%RSD	.95663	.38972	1.7278	1.1309	1.6203	.23881	.47945	.21025	1.4871	.80364
#1	.19737	.25661	2.0996	57.904	1.1335	48.442	.53229	.99335	468.57	.48700
#2	.20006	.25803	2.0489	56.986	1.1078	48.606	.53591	.99631	458.81	.49256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.316**	**.45637**	**.20489**	**.47995**	**2.1344**	**19.905**	**42.596**	**1.9734**	**1.5013**	**.97850**
Stddev	.056	.00889	.00284	.00075	.0023	.302	.645	.0123	.0208	.00056
%RSD	.53992	1.9484	1.3842	.15730	.10658	1.5153	1.5153	.62488	1.3867	.05692
#1	10.277	.45008	.20289	.47942	2.1328	20.118	43.052	1.9647	1.5160	.97811
#2	10.356	.46266	.20690	.48048	2.1360	19.691	42.139	1.9822	1.4866	.97890
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0085**	**1.8743**	**2.1153**	**.51534**	**.50591**	**.45421**
Stddev	.0018	.0107	.0069	.00170	.00243	.00837
%RSD	.18069	.56952	.32533	.33008	.48086	1.8436
#1	1.0072	1.8667	2.1105	.51414	.50419	.46013
#2	1.0098	1.8818	2.1202	.51654	.50763	.44829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3768.3**	**58190.**	**6047.9**
Stddev	14.2	1.	18.0
%RSD	.37692	.00137	.29837
#1	3778.3	58191.	6035.2
#2	3758.2	58190.	6060.7

Sample Name: CCVH-1326164 Acquired: 4/10/2012 1:58:16 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00347**	**51.441**	**.00021**	**.00317**	**.00040**	**.00009**	**.97850**	**-.00578**	**.00000**	**.00040**	**.00118**	**.00415**
Stddev	.00013	.690	.00051	.00035	.00003	.00006	.01097	.00027	.0002	.00027	.00008	.00015
%RSD	3.6966	1.3416	239.94	10.980	7.1235	62.736	1.1216	4.7233	5334.2	67.490	6.4106	3.6034
#1	.00338	50.953	.00057	.00341	.00038	.00005	.97074	-.00598	-.00012	.00058	.00123	.00425
#2	.00356	51.929	-.00015	.00292	.00042	.00014	.98626	-.00559	.00011	.00021	.00113	.00404
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.558**	**.19732**	**-.00156**	**.01061**	**-.00017**	**.00174**	**258.45**	**.00202**	**.00408**	**-.00296**	**4.8341**	**-.00020**
Stddev	.665	.01765	.00000	.00051	.00002	.00099	2.49	.00020	.00016	.00038	.0192	.00194
%RSD	1.2900	8.9439	.25178	4.8014	14.242	56.519	.96365	10.090	3.8168	12.810	.39654	945.76
#1	51.088	.20980	-.00156	.01097	-.00016	.00105	256.69	.00216	.00419	-.00322	4.8206	.00117
#2	52.029	.18484	-.00156	.01025	-.00019	.00244	260.21	.00187	.00397	-.00269	4.8477	-.00158
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00276**	**.00239**	**.00511**	**.00357**	**.00041**	W **4.6953**	**.00300**	**.00042**	**10.293**	**.00286**	**.00186**	**-.18990**
Stddev	.00375	.01524	.03262	.00034	.00003	.0026	.00025	.00091	.002	.00020	.00004	.00052
%RSD	135.76	637.98	637.98	9.5655	7.5302	.05535	8.3688	215.41	.01562	6.9515	2.0807	.27543
#1	-.00542	-.00839	-.01795	.00381	.00043	4.6971	.00282	.00106	10.292	.00272	.00184	-.19027
#2	-.00011	.01317	.02818	.00333	.00039	4.6934	.00318	-.00022	10.294	.00300	.00189	-.18953
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3947.1**	**61138.**	**6134.7**
Stddev	2.3	131.	125.6
%RSD	.05937	.21416	2.0471
#1	3945.4	61231.	6223.5
#2	3948.8	61046.	6045.9

Sample Name: CCV-1343805 Acquired: 4/10/2012 2:00:36 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51578**	**.50685**	**.95141**	**.49366**	**.53627**	**.50153**	**.00015**	**5.0151**	**.49866**	**.49576**	**.49745**	**.50924**	**2.6464**	**53.012**
Stddev	.00065	.00266	.00028	.00084	.00291	.00365	.00107	.0390	.00042	.00000	.00042	.00066	.0225	.233
%RSD	.12551	.52567	.02994	.17014	.54314	.72828	708.89	.77740	.08336	.00011	.08409	.13019	.84845	.44017
#1	.51533	.50873	.95161	.49306	.53833	.50411	-.00060	5.0426	.49836	.49576	.49715	.50877	2.6623	53.177
#2	.51624	.50497	.95121	.49425	.53421	.49895	.00090	4.9875	.49895	.49576	.49774	.50971	2.6305	52.847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0307**	**19.734**	**.51016**	**.49433**	**5.2189**	**.49823**	**.97242**	**.95014**	**.02924**	**.98997**	**1.0237**	**4.9523**	**10.598**	**1.0033**
Stddev	.0060	.016	.00009	.00147	.0361	.00091	.00264	.00462	.00333	.00412	.0004	.0193	.041	.0008
%RSD	.58098	.08201	.01763	.29659	.69128	.18328	.27121	.48615	11.390	.41600	.03991	.39081	.39081	.08386
#1	1.0349	19.723	.51010	.49330	5.2444	.49758	.97055	.94688	.03160	.98706	1.0234	4.9660	10.627	1.0039
#2	1.0265	19.745	.51022	.49537	5.1934	.49888	.97428	.95341	.02689	.99288	1.0240	4.9386	10.569	1.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52897**	**.01302**	**.49065**	**1.0359**	**.02020**	**.50150**	**.48036**	**.47906**
Stddev	.00285	.00095	.00004	.0025	.00372	.00025	.00272	.00469
%RSD	.53844	7.2929	.00830	.23799	18.404	.04902	.56538	.97806
#1	.53098	.01235	.49062	1.0342	.02283	.50167	.47844	.48237
#2	.52695	.01369	.49068	1.0377	.01757	.50132	.48228	.47574
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4031.5**	**63335.**	**6231.9**
Stddev	9.7	280.	1.9
%RSD	.24031	.44190	.03087
#1	4038.3	63137.	6233.3
#2	4024.6	63532.	6230.6

Sample Name: CCB Acquired: 4/10/2012 2:02:48 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00105	.00063	-.00005	.00089	.00002	.00004	-.00100	-.00308	-.00007	-.00012	.00007
Stddev	.00012	.00034	.00213	.00074	.00003	.00000	.00223	.00347	.00005	.00018	.00019
%RSD	11.048	53.404	4138.5	84.052	129.55	13.630	223.08	112.46	73.225	154.29	279.02
#1	.00097	.00039	.00146	.00141	.00000	.00003	-.00258	-.00553	-.00010	-.00025	-.00006
#2	.00113	.00086	-.00156	.00036	.00004	.00004	.00058	-.00063	-.00003	.00001	.00020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00144	.00117	.09421	-.00253	-.00074	.00004	.00104	F .18758	-.00003	.00073	.00066
Stddev	.00002	.00184	.03065	.00055	.00065	.00003	.00037	.00322	.00012	.00077	.00048
%RSD	1.3668	157.63	32.527	21.857	89.042	79.501	35.498	1.7190	425.15	105.06	73.583
#1	-.00146	.00247	.07254	-.00214	-.00120	.00006	.00078	.18530	.00006	.00019	.00100
#2	-.00143	-.00013	.11588	-.00292	-.00027	.00002	.00130	.18986	-.00011	.00127	.00032
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02704	.00100	-.00148	-.00760	-.01627	.00044	-.00003	-.00006	.00026	.00058	.01789
Stddev	.00189	.00160	.00319	.01134	.02427	.00007	.00000	.00020	.00009	.00094	.01086
%RSD	7.0078	159.81	216.25	149.16	149.16	15.432	.64001	322.40	35.980	161.67	60.710
#1	.02570	.00214	.00078	-.01562	-.03343	.00048	-.00003	-.00021	.00019	-.00008	.02556
#2	.02838	-.00013	-.00373	.00042	.00089	.00039	-.00003	.00008	.00033	.00125	.01021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00013	.00170	-.00036
Stddev	.00050	.00039	.00023
%RSD	367.85	23.108	63.542
#1	-.00049	.00142	-.00020
#2	.00022	.00198	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4053.5	64753.	6167.3
Stddev	5.8	216.	42.7
%RSD	.14255	.33319	.69241
#1	4049.4	64905.	6137.2
#2	4057.6	64600.	6197.5

Sample Name: CCVL1351092 Acquired: 4/10/2012 2:05:13 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01159**	**.10586**	**.01435**	**.09192**	**.01093**	**.00107**	**.10694**	**.20744**	**.00498**	**.01035**	**.01030**	**.01448**	**.11138**
Stddev	.00012	.00089	.00095	.00016	.00001	.00005	.00274	.00437	.00006	.00017	.00008	.00027	.00293
%RSD	1.0773	.84336	6.6099	.16913	.07217	4.6134	2.5600	2.1089	1.1047	1.6154	.78943	1.8598	2.6270
#1	.01168	.10650	.01368	.09203	.01094	.00111	.10500	.21053	.00502	.01047	.01025	.01467	.11344
#2	.01150	.10523	.01502	.09181	.01093	.00104	.10887	.20434	.00494	.01023	.01036	.01429	.10931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3910**	**.01036**	**.20582**	**.01080**	**.01946**	**1.2409**	**.04116**	**2.6848**	**.00919**	**.02162**	F **.00673**	F **.00899**	**.48210**
Stddev	.0331	.00031	.00249	.00011	.00012	.0253	.00019	.0116	.00006	.00050	.00219	.00013	.00536
%RSD	.97575	2.9565	1.2108	1.0014	.60015	2.0375	.45292	.43172	.64399	2.2989	32.522	1.4481	1.1111
#1	3.4144	.01058	.20759	.01088	.01954	1.2588	.04103	2.6930	.00915	.02197	.00828	.00890	.47831
#2	3.3676	.01014	.20406	.01073	.01937	1.2230	.04130	2.6766	.00923	.02127	.00518	.00908	.48589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											-30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0317**	**.10009**	**.01102**	**.01644**	**.01008**	**.01557**	**.04707**	**.01015**	**.02227**	**.01450**
Stddev	.0115	.00054	.00008	.00145	.00027	.00022	.01190	.00057	.00083	.00110
%RSD	1.1111	.54022	.70906	8.8099	2.6812	1.3834	25.291	5.5937	3.7100	7.5657
#1	1.0236	.10047	.01096	.01541	.01027	.01541	.05548	.01055	.02286	.01372
#2	1.0398	.09971	.01108	.01746	.00989	.01572	.03865	.00975	.02169	.01528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4082.5**	**64846.**	**6245.5**
Stddev	17.3	386.	21.8
%RSD	.42384	.59579	.34920
#1	4070.3	64573.	6230.1
#2	4094.7	65119.	6260.9

Sample Name: mb 280-114583/1-a Acquired: 4/10/2012 2:07:37 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00255**	**-.00073**	**.00106**	**.00016**	**.00004**	**-.00107**	**.00639**	**-.00012**	**-.00005**
Stddev	.00021	.00003	.00271	.00012	.00015	.00004	.00053	.00070	.00009	.00013
%RSD	20.053	1.0690	368.45	11.343	90.433	88.270	49.473	10.995	77.705	275.37
#1	.00118	.00257	-.00265	.00114	.00026	.00007	-.00069	.00689	-.00005	.00004
#2	.00089	.00253	.00118	.00097	.00006	.00002	-.00144	.00590	-.00019	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00108**	**.00477**	**.06655**	**-.00026**	**.00131**	**.00114**	**.00008**	**.16106**	**.00023**
Stddev	.00012	.00032	.00021	.02057	.00007	.00126	.00002	.00007	.00207	.00028
%RSD	78.827	29.268	4.3852	30.904	27.050	95.957	1.4841	92.392	1.2859	122.82
#1	.00007	-.00131	.00492	.05200	-.00031	.00220	.00113	.00013	.16252	.00003
#2	.00025	-.00086	.00462	.08109	-.00021	.00042	.00115	.00003	.15959	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00029**	F **.02351**	**.00043**	**-.00360**	**-.00463**	**-.00991**	**-.00006**	**-.00005**	**.00081**
Stddev	.00088	.00032	.00019	.00001	.00117	.00537	.01149	.00115	.00001	.00059
%RSD	105.34	111.29	.79234	2.4543	32.397	115.94	115.94	1802.9	16.140	72.203
#1	.00021	.00006	.02364	.00044	-.00443	-.00843	-.01804	-.00088	-.00004	.00040
#2	.00146	.00051	.02338	.00042	-.00278	-.00083	-.00179	.00075	-.00005	.00123
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00045**	**.00305**	**.00018**	**.00300**	**.00128**
Stddev	.00012	.00097	.02710	.00008	.00036	.00045
%RSD	41.091	214.19	888.91	46.025	11.905	35.149
#1	.00020	.00023	.02221	.00023	.00275	.00160
#2	.00037	-.00114	-.01611	.00012	.00325	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.5**	**66140.**	**6299.7**
Stddev	1.8	206.	20.5
%RSD	.04337	.31156	.32494
#1	4129.3	66285.	6285.2
#2	4131.8	65994.	6314.2

Sample Name: lcs 280-114583/2-a Acquired: 4/10/2012 2:10:03 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05443**	**1.9158**	**.97710**	**.99364**	**2.1480**	**.05101**	**2.1115**	**49.588**	**.10214**	**.49274**
Stddev	.00038	.0019	.00521	.00317	.0083	.00018	.0087	.204	.00036	.00080
%RSD	.70292	.09690	.53293	.31884	.38693	.36263	.41405	.41088	.35141	.16307
#1	.05416	1.9171	.97342	.99140	2.1421	.05088	2.1054	49.444	.10239	.49217
#2	.05470	1.9144	.98078	.99588	2.1538	.05114	2.1177	49.732	.10189	.49331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20028**	**.25889**	**1.0503**	**53.487**	**1.0398**	**49.083**	**.51739**	**1.0102**	**54.057**	**.50101**
Stddev	.00024	.00039	.0046	.251	.0054	.142	.00227	.0021	.245	.00087
%RSD	.11767	.14990	.43407	.46861	.51585	.28990	.43838	.21065	.45272	.17291
#1	.20045	.25861	1.0471	53.310	1.0360	48.982	.51579	1.0087	53.884	.50039
#2	.20011	.25916	1.0535	53.664	1.0436	49.183	.51900	1.0117	54.230	.50162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.015**	**.47659**	**.03052**	**.48478**	**2.0771**	**10.036**	F **21.477**	**2.0153**	**1.0756**	**.97788**
Stddev	.006	.00082	.00020	.00210	.0013	.102	.218	.0035	.0035	.00352
%RSD	.06444	.17104	.64036	.43233	.06401	1.0141	1.0141	.17429	.32832	.35987
#1	10.010	.47602	.03038	.48330	2.0761	9.9641	21.323	2.0128	1.0731	.97539
#2	10.019	.47717	.03066	.48627	2.0780	10.108	21.631	2.0178	1.0781	.98037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0040**	**2.0200**	**2.1714**	**.51118**	**.47845**	**.44990**
Stddev	.0011	.0032	.0142	.00013	.00090	.00028
%RSD	.10836	.15705	.65225	.02517	.18875	.06258
#1	1.0033	2.0222	2.1614	.51109	.47781	.44970
#2	1.0048	2.0177	2.1814	.51127	.47909	.45010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3915.4**	**61685.**	**6307.0**
Stddev	1.6	176.	36.4
%RSD	.04015	.28586	.57757
#1	3916.5	61560.	6332.8
#2	3914.3	61809.	6281.3

Sample Name: 280-27327-a-1-a Acquired: 4/10/2012 2:12:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**1.2403**	**.00092**	**.00870**	**.02730**	**.00006**	**-.00170**	**3.5884**	**.00050**	**.00083**
Stddev	.00029	.0025	.00114	.00036	.00046	.00007	.00017	.0437	.00000	.00001
%RSD	25.482	.20477	124.15	4.1118	1.7030	114.54	9.7160	1.2192	.90303	1.2804
#1	.00092	1.2421	.00172	.00845	.02697	.00011	-.00159	3.5575	.00050	.00082
#2	.00132	1.2385	.00011	.00895	.02763	.00001	-.00182	3.6194	.00051	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**.01886**	**2.7662**	**.31151**	**-.00075**	**.63159**	**.10310**	**.00252**	**1.1406**	**.00512**
Stddev	.00018	.00016	.0382	.01170	.00033	.00098	.00006	.00083	.0094	.00011
%RSD	3.0934	.85066	1.3790	3.7551	43.700	.15471	.06225	32.848	.82619	2.1726
#1	.00584	.01897	2.7392	.30324	-.00098	.63090	.10306	.00193	1.1340	.00520
#2	.00559	.01875	2.7932	.31978	-.00052	.63228	.10315	.00310	1.1473	.00504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05283**	**.02901**	**.97236**	**-.00013**	**-.00246**	**2.7954**	**5.9822**	**.00287**	**.01780**	**.00126**
Stddev	.00073	.00154	.00097	.00149	.00132	.0359	.0768	.00051	.00021	.00017
%RSD	1.3771	5.3055	.10020	1175.1	53.817	1.2832	1.2832	17.647	1.1927	13.058
#1	.05334	.02792	.97167	-.00118	-.00152	2.7701	5.9280	.00251	.01765	.00138
#2	.05231	.03009	.97305	.00093	-.00339	2.8208	6.0365	.00323	.01795	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05242**	**.00013**	**-.00195**	**.00411**	**.34170**	**.00133**
Stddev	.00033	.00085	.00400	.00040	.00141	.00033
%RSD	.62080	640.59	205.31	9.6950	.41242	24.968
#1	.05219	.00073	.00088	.00439	.34071	.00156
#2	.05265	-.00047	-.00478	.00382	.34270	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.9**	**66305.**	**6476.8**
Stddev	8.8	290.	47.8
%RSD	.21301	.43791	.73856
#1	4156.1	66510.	6510.6
#2	4143.6	66100.	6442.9

Sample Name: 280-27327-a-1-aSD@5 Acquired: 4/10/2012 2:14:34 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.27206**	**.00024**	**.00245**	**.00579**	**.00004**	**.00050**	**.75641**	**.00008**	**.00015**
Stddev	.00019	.00018	.00028	.00060	.00012	.00007	.00102	.00916	.00008	.00008
%RSD	17.940	.06480	119.92	24.646	2.0616	184.39	202.34	1.2105	103.05	55.226
#1	.00095	.27219	.00004	.00203	.00571	-.00001	.00122	.76288	.00002	.00009
#2	.00122	.27194	.00044	.00288	.00588	.00009	-.00022	.74993	.00013	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00282**	**.56699**	**.10556**	**-.00074**	**.13106**	**.02144**	**.00013**	**.33351**	**.00130**
Stddev	.00000	.00015	.00173	.00695	.00270	.00194	.00005	.00007	.00686	.00003
%RSD	.03790	5.3468	.30505	6.5802	362.86	1.4808	.24750	55.230	2.0579	2.0313
#1	.00130	.00292	.56821	.11047	.00116	.12969	.02140	.00008	.33837	.00128
#2	.00130	.00271	.56576	.10064	-.00265	.13243	.02148	.00018	.32866	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01184**	**.00728**	**.21889**	**-.00115**	**-.00143**	**.57167**	**1.2234**	**-.00013**	**.00370**	**.00108**
Stddev	.00024	.00010	.00033	.00183	.00105	.00068	.0015	.00046	.00005	.00000
%RSD	2.0358	1.4054	.15016	158.88	73.064	.11933	.11933	358.44	1.3170	.13028
#1	.01201	.00735	.21912	.00014	-.00069	.57119	1.2223	-.00046	.00367	.00108
#2	.01167	.00721	.21866	-.00245	-.00217	.57215	1.2244	.00020	.00374	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01114**	**-.00013**	**-.01864**	**.00074**	**.07416**	**-.00042**
Stddev	.00013	.00045	.00996	.00023	.00083	.00022
%RSD	1.2082	355.98	53.423	31.336	1.1210	52.683
#1	.01104	.00019	-.01160	.00091	.07358	-.00058
#2	.01123	-.00044	-.02569	.00058	.07475	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4158.2**	**65932.**	**6429.0**
Stddev	.5	70.	26.8
%RSD	.01167	.10587	.41645
#1	4157.9	65883.	6410.1
#2	4158.6	65981.	6447.9

Sample Name: 280-27327-a-1-b ms Acquired: 4/10/2012 2:16:58 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05461**	**3.6087**	**.96377**	**.99213**	**2.1671**	**.05037**	F **2.0994**	**52.338**	**.10180**	**.48702**
Stddev	.00086	.0155	.01072	.00994	.0031	.00003	.0147	.106	.00051	.00228
%RSD	1.5677	.42828	1.1120	1.0014	.14295	.06903	.69984	.20309	.49896	.46891
#1	.05522	3.6196	.95619	.98510	2.1693	.05040	2.0890	52.413	.10144	.48540
#2	.05401	3.5977	.97135	.99915	2.1649	.05035	2.1098	52.262	.10216	.48863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20350**	**.27759**	**3.4472**	**53.285**	**1.0369**	**48.737**	**.61092**	**1.0002**	**54.475**	**.49860**
Stddev	.00145	.00013	.0115	.207	.0020	.128	.00259	.0036	.034	.00225
%RSD	.71338	.04635	.33240	.38896	.19446	.26240	.42441	.36096	.06182	.45146
#1	.20248	.27750	3.4553	53.432	1.0384	48.827	.61275	.99768	54.499	.49701
#2	.20453	.27768	3.4391	53.139	1.0355	48.647	.60909	1.0028	54.451	.50019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9279**	**.48979**	**1.0100**	**.47916**	**2.0612**	**13.313**	**28.490**	**1.9843**	**1.0880**	**.96485**
Stddev	.0808	.00337	.0049	.00361	.0096	.031	.067	.0044	.0013	.00074
%RSD	.81410	.68734	.48726	.75395	.46787	.23482	.23482	.22347	.11553	.07682
#1	9.8708	.48741	1.0065	.47661	2.0544	13.335	28.537	1.9812	1.0889	.96538
#2	9.9851	.49218	1.0135	.48172	2.0680	13.291	28.442	1.9875	1.0871	.96433
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0498**	**1.9975**	**2.1856**	**.51144**	**.79706**	**.44048**
Stddev	.0017	.0035	.0089	.00126	.00591	.00133
%RSD	.15897	.17592	.40820	.24680	.74184	.30210
#1	1.0509	1.9950	2.1919	.51234	.80124	.44142
#2	1.0486	2.0000	2.1793	.51055	.79287	.43954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3935.1**	**62396.**	**6435.7**
Stddev	16.0	87.	51.0
%RSD	.40659	.14023	.79323
#1	3946.4	62458.	6399.6
#2	3923.7	62334.	6471.8

Sample Name: 280-27327-a-1-c msd Acquired: 4/10/2012 2:19:07 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05401**	**3.5739**	**.95014**	**.98629**	**2.1432**	**.04995**	F **2.0788**	**51.767**	**.10076**	**.48226**
Stddev	.00016	.0363	.00015	.00059	.0033	.00025	.0065	.194	.00008	.00086
%RSD	.28739	1.0150	.01584	.05992	.15519	.49459	.31169	.37462	.07621	.17829
#1	.05390	3.5483	.95003	.98587	2.1408	.04978	2.0742	51.630	.10070	.48287
#2	.05412	3.5996	.95024	.98670	2.1455	.05013	2.0833	51.904	.10081	.48165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20083**	**.27716**	**3.3557**	**52.643**	**1.0271**	**48.504**	**.60575**	**.99623**	**53.833**	**.49352**
Stddev	.00027	.00176	.0031	.138	.0034	.303	.00179	.00020	.072	.00038
%RSD	.13241	.63375	.09318	.26210	.33067	.62518	.29503	.01999	.13395	.07786
#1	.20102	.27840	3.3579	52.546	1.0247	48.289	.60448	.99637	53.884	.49325
#2	.20064	.27592	3.3535	52.741	1.0295	48.718	.60701	.99609	53.782	.49380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8163**	**.48550**	**.99005**	**.48091**	**2.0424**	**13.198**	**28.243**	**1.9739**	**1.0758**	**.96306**
Stddev	.0208	.00036	.00757	.00107	.0052	.061	.131	.0009	.0022	.00096
%RSD	.21201	.07507	.76489	.22250	.25568	.46410	.46410	.04682	.20114	.09937
#1	9.8015	.48576	.98470	.48015	2.0461	13.154	28.150	1.9746	1.0743	.96374
#2	9.8310	.48524	.99541	.48167	2.0387	13.241	28.336	1.9733	1.0773	.96238
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0520**	**1.9741**	**2.1622**	**.50612**	**.79332**	**.44402**
Stddev	.0010	.0003	.0044	.00018	.00615	.00116
%RSD	.09727	.01378	.20441	.03545	.77585	.26230
#1	1.0512	1.9743	2.1591	.50625	.78896	.44320
#2	1.0527	1.9740	2.1654	.50599	.79767	.44484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3957.4**	**62618.**	**6467.4**
Stddev	5.9	30.	20.0
%RSD	.14792	.04787	.30944
#1	3961.6	62639.	6481.6
#2	3953.3	62597.	6453.3

Sample Name: 280-27329-a-2 Acquired: 4/10/2012 2:21:17 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**1.8996**	**.00353**	**.01768**	**.03986**	**.00017**	**-.00013**	**9.7018**	**.00040**	**.00078**
Stddev	.00003	.0148	.00182	.00014	.00076	.00002	.00194	.1621	.00005	.00016
%RSD	2.9579	.78123	51.686	.76469	1.9051	11.402	1444.2	1.6707	12.893	20.753
#1	.00093	1.8891	.00224	.01758	.04040	.00016	-.00150	9.8164	.00044	.00089
#2	.00097	1.9101	.00482	.01777	.03932	.00018	.00124	9.5872	.00037	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00491**	**.01348**	**2.5790**	**.94227**	**.00107**	**.91723**	**.06477**	**.00313**	**2.0564**	**.00335**
Stddev	.00012	.00077	.0479	.00205	.00186	.00977	.00040	.00101	.0508	.00037
%RSD	2.3979	5.6985	1.8574	.21726	174.51	1.0647	.61635	32.137	2.4714	11.047
#1	.00483	.01402	2.6129	.94083	.00238	.92414	.06505	.00242	2.0924	.00309
#2	.00499	.01294	2.5451	.94372	-.00025	.91033	.06449	.00384	2.0205	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20093**	**.00975**	**1.2932**	**.00125**	**.00056**	**4.6680**	**9.9896**	**.00092**	**.06118**	**.00065**
Stddev	.00142	.00054	.0128	.00094	.00572	.0703	.1504	.00071	.00080	.00016
%RSD	.70768	5.5229	.98732	75.241	1017.0	1.5057	1.5057	76.848	1.3130	24.613
#1	.19992	.01013	1.2842	.00059	.00461	4.7178	10.096	.00042	.06175	.00077
#2	.20193	.00936	1.3022	.00192	-.00348	4.6183	9.8833	.00142	.06061	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08042**	**.00075**	**-.00609**	**.00629**	**.10873**	**.00292**
Stddev	.00179	.00125	.00807	.00027	.00127	.00036
%RSD	2.2301	166.21	132.54	4.2487	1.1673	12.365
#1	.07915	-.00013	-.00038	.00610	.10963	.00266
#2	.08169	.00163	-.01179	.00648	.10784	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4136.2**	**66362.**	**6522.0**
Stddev	43.4	57.	95.7
%RSD	1.0502	.08623	1.4672
#1	4166.9	66321.	6454.3
#2	4105.4	66402.	6589.6

Sample Name: 280-27329-a-3-a Acquired: 4/10/2012 2:23:38 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**3.2092**	**.00375**	**.40801**	**.07641**	**.00011**	**-.00102**	**50.069**	**.00032**	**.00151**
Stddev	.00017	.0325	.00029	.00128	.00084	.00001	.00091	.424	.00011	.00007
%RSD	25.068	1.0129	7.8107	.31298	1.1022	7.2441	89.250	.84681	34.822	4.8142
#1	.00078	3.1862	.00354	.40891	.07582	.00011	-.00166	49.769	.00040	.00146
#2	.00055	3.2322	.00395	.40711	.07701	.00010	-.00038	50.368	.00024	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**.02169**	**4.2541**	**2.4876**	**.00511**	**1.8129**	**.12959**	**.01032**	**5.0592**	**.00592**
Stddev	.00005	.00010	.0381	.0348	.00150	.0139	.00058	.00043	.0573	.00007
%RSD	.41428	.47276	.89598	1.4005	29.292	.76663	.45133	4.1286	1.1322	1.2362
#1	.01087	.02162	4.2271	2.4629	.00617	1.8030	.12918	.01002	5.0187	.00597
#2	.01093	.02177	4.2810	2.5122	.00405	1.8227	.13001	.01062	5.0997	.00587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32691**	**.02177**	**25.259**	**.00188**	**.00056**	**8.0659**	**17.261**	**.00170**	**.24798**	**.00125**
Stddev	.00057	.00090	.047	.00074	.00241	.0788	.169	.00053	.00301	.00037
%RSD	.17540	4.1415	.18487	39.318	428.59	.97701	.97701	31.178	1.2137	29.621
#1	.32651	.02240	25.292	.00240	-.00114	8.0101	17.142	.00133	.24586	.00099
#2	.32732	.02113	25.226	.00136	.00227	8.1216	17.380	.00207	.25011	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13352**	**.00000**	**-.01558**	**.00938**	**.15511**	**.00289**
Stddev	.00253	.00072	.00981	.00024	.00144	.00211
%RSD	1.8955	15491.	62.980	2.5970	.92649	73.056
#1	.13173	.00052	-.00864	.00920	.15409	.00140
#2	.13531	-.00051	-.02252	.00955	.15613	.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.2**	**64908.**	**6640.9**
Stddev	4.1	47.	17.0
%RSD	.10027	.07167	.25604
#1	4066.1	64941.	6652.9
#2	4060.3	64875.	6628.9

Sample Name: 280-27329-a-4-a Acquired: 4/10/2012 2:25:58 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114583 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.00150**	**.00022**	**.00109**	**.00014**	**.00006**	**-.00027**	**.00080**	**-.00010**	**.00005**
Stddev	.00015	.00014	.00208	.00004	.00011	.00002	.00002	.00124	.00002	.00001
%RSD	15.777	9.3486	937.12	3.4423	75.193	25.845	5.7398	155.47	16.880	18.920
#1	.00084	.00140	-.00125	.00111	.00022	.00005	-.00025	-.00008	-.00011	.00004
#2	.00105	.00160	.00169	.00106	.00007	.00007	-.00028	.00168	-.00009	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00138**	**.00322**	**.03189**	**-.00118**	**.00087**	**.00009**	**-.00011**	**.12782**	**.00018**
Stddev	.00015	.00009	.00177	.03333	.00203	.00063	.00005	.00034	.00340	.00014
%RSD	1394.3	6.6137	54.883	104.50	171.95	71.798	57.531	303.38	2.6609	78.558
#1	.00012	-.00132	.00447	.00833	-.00262	.00043	.00013	.00013	.12541	.00008
#2	-.00010	-.00145	.00197	.05546	.00026	.00132	.00006	-.00035	.13022	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00195**	**-.00003**	**.01866**	**-.00010**	**-.00154**	**-.00818**	**-.01750**	**.00142**	**.00002**	**.00140**
Stddev	.00166	.00074	.00291	.00046	.00135	.00529	.01132	.00010	.00001	.00078
%RSD	85.253	2400.7	15.615	440.59	87.225	64.687	64.687	7.3456	66.298	55.568
#1	.00312	-.00055	.01660	-.00043	-.00059	-.00444	-.00949	.00149	.00003	.00085
#2	.00077	.00049	.02072	.00022	-.00249	-.01192	-.02550	.00135	.00001	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00139**	**-.02283**	**-.00010**	**.00318**	**.00001**
Stddev	.00007	.00079	.01035	.00019	.00046	.00058
%RSD	23.539	56.786	45.336	191.76	14.581	9313.0
#1	.00024	.00083	-.03015	-.00024	.00351	-.00041
#2	.00033	.00194	-.01551	.00004	.00285	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4147.8**	**66416.**	**6512.1**
Stddev	10.0	510.	2.6
%RSD	.24089	.76856	.04023
#1	4140.8	66055.	6510.2
#2	4154.9	66777.	6514.0

Sample Name: CCVH-1326164 Acquired: 4/10/2012 2:28:24 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**51.526**	**-.00198**	**.00259**	**.00041**	**.00004**	**.99414**	**-.00685**	**-.00014**	**.00012**	**.00104**	**.00445**
Stddev	.00035	.129	.00386	.00025	.00022	.00000	.00324	.00228	.00011	.00013	.00003	.00023
%RSD	10.416	.25104	194.65	9.4705	53.714	8.3051	.32558	33.370	78.136	110.72	2.4960	5.1095
#1	.00309	51.618	.00075	.00241	.00026	.00003	.99643	-.00523	-.00006	.00003	.00102	.00461
#2	.00358	51.435	-.00471	.00276	.00057	.00004	.99185	-.00846	-.00022	.00021	.00105	.00429
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.469**	**.04566**	**-.00010**	**.01101**	**-.00012**	**-.00075**	**259.66**	**.00204**	**.00307**	**-.00253**	**4.8760**	**-.00296**
Stddev	.113	.01752	.00034	.00020	.00011	.00008	.11	.00002	.00089	.00045	.0069	.00019
%RSD	.22048	38.365	332.96	1.8134	89.445	10.021	.04168	.88059	29.146	17.765	.14048	6.3474
#1	51.549	.05805	.00014	.01087	-.00005	-.00081	259.74	.00202	.00243	-.00285	4.8809	-.00283
#2	51.389	.03327	-.00034	.01115	-.00020	-.00070	259.59	.00205	.00370	-.00222	4.8712	-.00310
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00509**	**.00993**	**.02125**	**.00318**	**.00039**	W **4.7331**	**.00326**	**.00030**	**10.484**	**.00275**	**.00147**	**-.19000**
Stddev	.00117	.01491	.03191	.00018	.00001	.0158	.00049	.00209	.015	.00015	.00015	.00134
%RSD	22.963	150.16	150.16	5.7856	1.5570	.33338	14.992	700.92	.14762	5.3954	10.469	.70605
#1	-.00426	-.00061	-.00131	.00331	.00039	4.7219	.00291	-.00118	10.473	.00264	.00137	-.18905
#2	-.00592	.02047	.04381	.00305	.00038	4.7442	.00360	.00177	10.495	.00285	.00158	-.19094
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3974.1**	**62208.**	**6390.2**
Stddev	15.8	281.	36.6
%RSD	.39797	.45219	.57321
#1	3962.9	62407.	6364.3
#2	3985.3	62009.	6416.1

Sample Name: CCV-1343805 Acquired: 4/10/2012 2:30:44 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51053**	**.50517**	**.95485**	**.49358**	**.53294**	**.49825**	**-.00105**	**4.9690**	**.49758**	**.49638**	**.49692**	**.50448**	**2.5973**
Stddev	.00178	.00503	.01395	.00380	.00203	.00028	.00029	.0189	.00393	.00393	.00301	.00430	.0172
%RSD	.34920	.99474	1.4607	.77036	.38081	.05594	27.836	.37984	.78983	.79164	.60576	.85311	.66281
#1	.50927	.50162	.94499	.49090	.53437	.49844	-.00084	4.9823	.49480	.49360	.49479	.50144	2.6095
#2	.51179	.50873	.96471	.49627	.53150	.49805	-.00125	4.9556	.50036	.49916	.49904	.50752	2.5851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.387**	**1.0256**	**19.455**	**.50388**	**.49381**	**5.1357**	**.49793**	**.97425**	**.94974**	**.01609**	**.99585**	**1.0241**	**4.9072**
Stddev	.201	.0010	.142	.00373	.00297	.0068	.00392	.00686	.00811	.00427	.00551	.0069	.0099
%RSD	.38350	.09538	.72899	.74075	.60084	.13305	.78819	.70425	.85346	26.508	.55362	.67649	.20252
#1	52.529	1.0263	19.355	.50124	.49171	5.1405	.49515	.96940	.94401	.01308	.99196	1.0192	4.9142
#2	52.245	1.0249	19.556	.50651	.49590	5.1309	.50070	.97910	.95547	.01911	.99975	1.0289	4.9002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.501**	**.99821**	**.52603**	**.01387**	**.48663**	**1.0304**	**-.00420**	**.49655**	**.47305**	**.48082**
Stddev	.021	.00773	.00187	.00135	.00300	.0031	.00393	.00285	.00331	.00142
%RSD	.20252	.77472	.35571	9.7056	.61670	.29870	93.534	.57334	.70043	.29557
#1	10.516	.99274	.52735	.01292	.48451	1.0282	-.00698	.49453	.47071	.48182
#2	10.486	1.0037	.52471	.01482	.48875	1.0326	-.00142	.49856	.47539	.47981
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4051.8**	**64246.**	**6424.3**
Stddev	32.4	431.	44.6
%RSD	.79967	.67029	.69492
#1	4074.8	64551.	6392.7
#2	4028.9	63942.	6455.9

Sample Name: CCB Acquired: 4/10/2012 2:32:57 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00094**	**.00046**	**-.00411**	**.00071**	**.00002**	**.00003**	**.00027**	**-.00332**	**.00010**	**-.00009**	**-.00005**	**-.00110**
Stddev	.00009	.00000	.00093	.00038	.00003	.00001	.00104	.00044	.00007	.00026	.00022	.00001
%RSD	9.1466	.62684	22.694	53.074	107.04	22.264	380.17	13.308	67.211	302.12	414.47	1.0521
#1	.00088	.00047	-.00476	.00098	.00001	.00003	-.00046	-.00300	.00005	.00010	-.00021	-.00109
#2	.00100	.00046	-.00345	.00044	.00004	.00004	.00101	-.00363	.00015	-.00027	.00010	-.00111
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00183**	**.05284**	**-.00192**	**.00075**	**.00003**	**.00092**	W **.10277**	**.00015**	**.00090**	**.00077**	**.01299**	**.00139**
Stddev	.00047	.00616	.00025	.00268	.00002	.00030	.00449	.00026	.00154	.00007	.00183	.00011
%RSD	25.748	11.652	12.840	359.16	61.368	32.954	4.3719	178.38	171.37	8.4766	14.094	7.5755
#1	.00149	.04849	-.00209	-.00115	.00005	.00071	.09959	.00033	.00199	.00081	.01169	.00147
#2	.00216	.05720	-.00174	.00264	.00002	.00114	.10594	-.00004	-.00019	.00072	.01428	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00278**	**-.00093**	**-.00199**	**.00120**	**-.00003**	**.00033**	W **.00072**	**-.00053**	**-.01510**	**-.00024**	**.00175**	**.00120**
Stddev	.00201	.00644	.01378	.00000	.00002	.00178	.00022	.00242	.00916	.00000	.00066	.00187
%RSD	72.020	693.03	693.03	.26253	57.790	542.37	30.918	457.76	60.652	.22678	37.668	156.21
#1	-.00137	.00363	.00776	.00121	-.00002	.00159	.00056	.00118	-.00863	-.00024	.00129	-.00013
#2	-.00420	-.00548	-.01174	.00120	-.00004	-.00093	.00087	-.00224	-.02158	-.00024	.00222	.00252
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00060					
Low Limit							-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.2**	**64901.**	**6380.3**
Stddev	14.4	380.	44.8
%RSD	.35197	.58585	.70182
#1	4107.4	65170.	6412.0
#2	4087.0	64633.	6348.6

Sample Name: CCVL1351092 Acquired: 4/10/2012 2:35:22 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01139**	**.10418**	**.01438**	**.09129**	**.01089**	**.00103**	**.10770**	**.20217**	**.00490**	**.01023**	**.01022**	**.01420**	**.10562**	**3.3139**
Stddev	.00053	.00025	.00005	.00015	.00016	.00010	.00126	.00311	.00020	.00012	.00002	.00028	.00181	.0010
%RSD	4.6142	.24435	.31512	.16522	1.4332	9.5326	1.1657	1.5383	4.0135	1.2115	.20912	1.9451	1.7129	.02874
#1	.01102	.10436	.01435	.09140	.01100	.00109	.10858	.19997	.00476	.01032	.01023	.01401	.10434	3.3133
#2	.01176	.10400	.01441	.09119	.01078	.00096	.10681	.20437	.00504	.01014	.01020	.01440	.10690	3.3146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01049**	**.19930**	**.01047**	**.01926**	**1.1590**	**.04071**	**2.6717**	**.01024**	**.01338**	**.00874**	**.01135**	**.46487**	**.99483**	**.09889**
Stddev	.00225	.00215	.00027	.00009	.0063	.00023	.0159	.00109	.00440	.00004	.00228	.00027	.00058	.00076
%RSD	21.480	1.0803	2.6138	.48557	.53946	.57648	.59582	10.635	32.924	.41827	20.123	.05876	.05876	.77153
#1	.01209	.19778	.01027	.01932	1.1634	.04054	2.6604	.00947	.01649	.00871	.00973	.46506	.99524	.09835
#2	.00890	.20083	.01066	.01919	1.1546	.04087	2.6829	.01101	.01026	.00876	.01296	.46468	.99441	.09943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01097**	**.01452**	**.00961**	**.01583**	**.05853**	**.00982**	**.02155**	**.01404**
Stddev	.00003	.00100	.00031	.00129	.01651	.00037	.00009	.00101
%RSD	.29756	6.9045	3.2128	8.1755	28.209	3.7284	.41808	7.1896
#1	.01095	.01382	.00939	.01675	.07020	.00956	.02149	.01475
#2	.01099	.01523	.00983	.01492	.04685	.01008	.02161	.01333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4118.1**	**66426.**	**6424.5**
Stddev	10.9	751.	36.4
%RSD	.26380	1.1300	.56694
#1	4125.8	66957.	6450.3
#2	4110.5	65895.	6398.7

Sample Name: lb 280-114426/1-c Acquired: 4/10/2012 2:37:45 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00409**	**-.00090**	W **.00559**	**.00193**	**.00000**	**.00161**	**.09252**	**-.00016**	**-.00046**
Stddev	.00034	.00031	.00007	.00004	.00000	.00003	.00141	.00156	.00010	.00009
%RSD	28.431	7.4789	7.6134	.72499	.04770	7425.2	87.515	1.6862	63.832	18.808
#1	.00095	.00387	-.00085	.00557	.00193	.00002	.00061	.09142	-.00023	-.00052
#2	.00143	.00431	-.00095	.00562	.00193	-.00002	.00261	.09363	-.00009	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00150**	**.00441**	**.08207**	**-.00206**	**.00527**	**.00010**	**.00005**	**198.33**	**.00019**
Stddev	.00011	.00012	.00095	.04563	.00126	.00192	.00005	.00002	.58	.00006
%RSD	182.41	7.7697	21.533	55.594	61.082	36.536	49.961	32.982	.29403	31.189
#1	-.00002	.00158	.00508	.04981	-.00117	.00391	.00014	.00004	198.74	.00015
#2	.00013	.00142	.00374	.11433	-.00295	.00663	.00007	.00006	197.92	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.00125**	F **.02099**	**.00001**	**-.00225**	F **.01176**	**.02516**	**.00123**	**.00024**	**.00283**
Stddev	.00081	.00070	.00379	.00079	.00224	.00900	.01926	.00015	.00003	.00059
%RSD	37.026	55.452	18.030	11680.	99.505	76.528	76.528	12.406	11.769	20.810
#1	.00162	.00076	.02367	.00057	-.00067	.00540	.01155	.00112	.00022	.00325
#2	.00276	.00175	.01832	-.00055	-.00383	.01812	.03878	.00134	.00026	.00242
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00036**	**-.01843**	**-.00016**	W **.00730**	**.00011**
Stddev	.00011	.00107	.01792	.00012	.00076	.00041
%RSD	21.826	293.80	97.233	74.445	10.393	366.91
#1	.00043	.00112	-.03110	-.00008	.00783	-.00018
#2	.00059	-.00039	-.00576	-.00025	.00676	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3916.2**	**61498.**	**6382.5**
Stddev	16.1	83.	12.8
%RSD	.41087	.13499	.20007
#1	3927.5	61557.	6373.4
#2	3904.8	61440.	6391.5

Sample Name: lcs 280-114426/2-c Acquired: 4/10/2012 2:40:10 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21118	W .37955	.76861	.19024	2.5455	.00970	.39485	9.5410	.22056	.09369
Stddev	.00027	.00015	.00152	.00024	.0142	.00007	.00124	.0313	.00040	.00062
%RSD	.12685	.03851	.19796	.12531	.55713	.71946	.31371	.32750	.18170	.65690
#1	.21137	.37944	.76969	.19007	2.5555	.00975	.39572	9.5631	.22084	.09413
#2	.21099	.37965	.76754	.19041	2.5354	.00965	.39397	9.5189	.22028	.09326
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0296	.46016	.20583	10.371	.19711	F 8.8909	.09882	.19355	F 195.26	.09576
Stddev	.0012	.00126	.00293	.071	.00177	.0188	.00011	.00008	.98	.00031
%RSD	.11948	.27392	1.4225	.68500	.89870	.21146	.10714	.04231	.50166	.32444
#1	1.0305	.46105	.20790	10.421	.19836	8.8776	.09889	.19361	195.95	.09554
#2	1.0287	.45927	.20376	10.321	.19586	8.9042	.09874	.19349	194.57	.09598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9022	1.0073	.02237	.08893	.60318	1.9017	F 4.0697	.38132	.20479	.18515
Stddev	.0045	.0020	.00269	.00003	.00335	.0189	.0405	.00154	.00088	.00103
%RSD	.23575	.20198	12.017	.03843	.55615	.99527	.99527	.40286	.43063	.55641
#1	1.8990	1.0058	.02047	.08891	.60555	1.9151	4.0983	.38023	.20542	.18442
#2	1.9054	1.0087	.02427	.08896	.60081	1.8883	4.0411	.38241	.20417	.18587
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							4.9220			
Low Limit							4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19310	.37508	.41353	.09660	.47927	.08381
Stddev	.00012	.00175	.03209	.00010	.00510	.00059
%RSD	.06214	.46745	7.7588	.10852	1.0649	.70387
#1	.19302	.37384	.43622	.09653	.47566	.08339
#2	.19319	.37632	.39085	.09667	.48288	.08422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3898.9	61662.	6322.8
Stddev	.5	159.	39.7
%RSD	.01268	.25731	.62806
#1	3899.2	61774.	6294.7
#2	3898.5	61549.	6350.9

Sample Name: 280-27298-a-1-e Acquired: 4/10/2012 2:42:28 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**.11608**	**.00637**	W **97.296**	**.00605**	**.00002**	**-.00239**	**1.7001**	**.00349**	**.00015**
Stddev	.00001	.00001	.00236	.659	.00019	.00005	.00007	.0052	.00003	.00015
%RSD	.66299	.01060	37.090	.67732	3.1355	218.34	2.9495	.30721	.92186	102.48
#1	.00151	.11607	.00470	97.762	.00618	.00006	-.00244	1.6964	.00352	.00004
#2	.00152	.11609	.00804	96.830	.00591	-.00001	-.00234	1.7038	.00347	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**.02057**	**.03178**	**1.0648**	**.00940**	**7.0550**	**.02649**	**.00114**	**221.00**	**.00296**
Stddev	.00008	.00020	.00020	.0006	.00163	.0069	.00016	.00007	.26	.00018
%RSD	6.2564	.95074	.61780	.05156	17.370	.09843	.58731	6.4421	.11548	6.2014
#1	.00116	.02071	.03164	1.0644	.01056	7.0501	.02638	.00119	220.82	.00309
#2	.00127	.02043	.03192	1.0652	.00825	7.0599	.02660	.00109	221.18	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **143.68**	**-.00241**	**14.331**	**.01620**	W **-.00950**	**.07602**	**.16268**	**.00649**	**.00640**	**-.00179**
Stddev	.95	.00105	.109	.00191	.00896	.00403	.00863	.00029	.00003	.00103
%RSD	.66266	43.692	.75917	11.790	94.281	5.3048	5.3048	4.4848	.44950	57.720
#1	144.35	-.00166	14.408	.01755	-.01583	.07317	.15658	.00669	.00638	-.00106
#2	143.01	-.00315	14.254	.01485	-.00317	.07887	.16878	.00628	.00642	-.00252
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000				5.0000					
Low Limit	-2.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00491**	**.00171**	**.08110**	**.00117**	W **25.380**	**.00049**
Stddev	.00043	.00186	.02259	.00023	.081	.00031
%RSD	8.8260	108.49	27.850	19.172	.31836	63.109
#1	.00460	.00040	.06513	.00102	25.322	.00027
#2	.00521	.00303	.09707	.00133	25.437	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3890.3**	**61678.**	**6559.8**
Stddev	27.6	170.	28.9
%RSD	.70820	.27520	.44021
#1	3870.8	61558.	6580.2
#2	3909.8	61798.	6539.4

Sample Name: 280-27298-a-1-eSD@5 Acquired: 4/10/2012 2:44:48 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00124	.02523	.00083	W 20.191	.00134	.00007	-.00138	.34641	.00071	-.00011
Stddev	.00006	.00028	.00221	.040	.00014	.00002	.00043	.00654	.00009	.00000
%RSD	4.6977	1.1200	266.98	.19720	10.653	27.143	31.110	1.8866	13.274	3.7411
#1	.00128	.02543	-.00073	20.219	.00124	.00009	-.00107	.35103	.00064	-.00011
#2	.00120	.02503	.00239	20.163	.00144	.00006	-.00168	.34179	.00078	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.00349	.01038	.28519	.00082	1.4779	.00539	.00011	44.823	.00073
Stddev	.00018	.00003	.00068	.01583	.00061	.0015	.00002	.00002	.430	.00014
%RSD	28.818	.75867	6.5288	5.5507	73.535	.09950	.36095	18.021	.95999	19.046
#1	.00074	.00347	.00990	.29638	.00040	1.4789	.00538	.00012	45.127	.00063
#2	.00049	.00351	.01086	.27400	.00125	1.4769	.00541	.00009	44.518	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 31.045	.00068	2.8281	.00302	-.00417	.01554	.03325	.00261	.00131	-.00127
Stddev	.015	.00173	.0067	.00166	.00131	.00807	.01726	.00009	.00008	.00059
%RSD	.04800	254.71	.23725	55.107	31.557	51.911	51.911	3.4985	6.1952	46.283
#1	31.055	-.00054	2.8328	.00419	-.00510	.00983	.02104	.00267	.00136	-.00086
#2	31.034	.00190	2.8234	.00184	-.00324	.02124	.04545	.00254	.00125	-.00169
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00124	.00208	.00565	.00003	5.2116	.00029
Stddev	.00015	.00138	.01791	.00039	.0015	.00182
%RSD	12.281	66.272	316.94	1447.2	.02868	633.69
#1	.00135	.00305	-.00701	-.00025	5.2127	.00157
#2	.00113	.00110	.01831	.00030	5.2105	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4089.9	64916.	6655.4
Stddev	21.9	192.	7.6
%RSD	.53612	.29649	.11492
#1	4074.4	65052.	6650.0
#2	4105.4	64780.	6660.8

Sample Name: 280-27298-a-1-f ms Acquired: 4/10/2012 2:47:12 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21286	.47874	.77262	W 94.088	2.5554	.00971	F .39856	10.952	.22551	.09440
Stddev	.00098	.00040	.00138	.041	.0227	.00022	.00410	.103	.00029	.00023
%RSD	.46244	.08364	.17859	.04332	.88833	2.2649	1.0280	.94012	.12946	.24438
#1	.21356	.47902	.77165	94.059	2.5715	.00987	.39566	11.025	.22530	.09423
#2	.21217	.47845	.77360	94.117	2.5394	.00956	.40146	10.879	.22571	.09456
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000			10.000			.10000			
Low Limit	-.01000			-.01000			-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0333	.48759	.23005	11.323	.20938	15.623	.12468	.19302	223.43	.09863
Stddev	.0007	.00112	.00491	.128	.00261	.054	.00024	.00010	1.84	.00019
%RSD	.06443	.22967	2.1357	1.1314	1.2454	.34837	.19195	.05059	.82387	.19495
#1	1.0328	.48839	.23353	11.414	.21123	15.662	.12485	.19295	224.73	.09849
#2	1.0337	.48680	.22658	11.233	.20754	15.585	.12451	.19309	222.13	.09876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 140.44	.99249	13.898	.10635	.60056	1.9790	4.2350	.37896	.21187	.13908
Stddev	.04	.00591	.017	.00283	.00207	.0038	.0081	.00193	.00190	.00012
%RSD	.03138	.59518	.12066	2.6579	.34548	.19033	.19033	.50853	.89810	.08361
#1	140.41	.98831	13.910	.10435	.59910	1.9816	4.2407	.38032	.21321	.13899
#2	140.48	.99667	13.886	.10835	.60203	1.9763	4.2293	.37760	.21052	.13916
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000									
Low Limit	-2.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19737	.37243	.49350	.09890	W 24.672	.04488
Stddev	.00022	.00100	.01240	.00004	.036	.00192
%RSD	.11296	.26942	2.5128	.03898	.14572	4.2827
#1	.19753	.37173	.50227	.09888	24.698	.04624
#2	.19722	.37314	.48473	.09893	24.647	.04352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3842.2	60809.	6467.9
Stddev	7.7	51.	73.9
%RSD	.20118	.08331	1.1426
#1	3836.8	60845.	6415.6
#2	3847.7	60773.	6520.2

Sample Name: 280-27298-a-1-g msd Acquired: 4/10/2012 2:49:26 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21908	.49132	.78792	W 96.374	2.6358	.01004	F .40577	11.356	.23137	.09683
Stddev	.00032	.00087	.00120	.475	.0259	.00004	.00240	.052	.00119	.00082
%RSD	.14510	.17674	.15202	.49338	.98371	.36788	.59143	.45390	.51565	.84622
#1	.21931	.49071	.78707	96.710	2.6541	.01007	.40746	11.392	.23221	.09740
#2	.21886	.49194	.78876	96.038	2.6174	.01002	.40407	11.319	.23053	.09625
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000			10.000			.10000			
Low Limit	-.01000			-.01000			-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0627	.50070	.23768	11.766	.21847	16.050	.12808	.19855	230.38	.10125
Stddev	.0004	.00077	.00074	.079	.00131	.029	.00036	.00162	1.95	.00011
%RSD	.04177	.15448	.31290	.67167	.59975	.18319	.28434	.81555	.84463	.11162
#1	1.0630	.50015	.23821	11.822	.21940	16.029	.12783	.19970	231.75	.10133
#2	1.0624	.50124	.23716	11.711	.21755	16.071	.12834	.19741	229.00	.10117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 143.78	1.0205	14.275	.10710	.61616	2.0498	4.3866	.39178	.21806	.14128
Stddev	.43	.0060	.076	.00239	.00129	.0032	.0069	.00198	.00186	.00010
%RSD	.30098	.58691	.53206	2.2310	.20860	.15719	.15719	.50660	.85362	.07417
#1	144.09	1.0247	14.329	.10541	.61525	2.0475	4.3817	.39319	.21938	.14136
#2	143.48	1.0162	14.222	.10879	.61707	2.0521	4.3914	.39038	.21675	.14121
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000									
Low Limit	-2.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20277	.38257	.51353	.10119	W 25.340	.04052
Stddev	.00023	.00277	.00702	.00001	.027	.00292
%RSD	.11242	.72343	1.3663	.00968	.10708	7.2172
#1	.20261	.38452	.51849	.10119	25.321	.03846
#2	.20293	.38061	.50857	.10118	25.359	.04259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3851.1	61037.	6458.3
Stddev	9.2	223.	44.9
%RSD	.23994	.36514	.69599
#1	3844.6	60879.	6426.5
#2	3857.6	61194.	6490.1

Sample Name: CCVH-1326164 Acquired: 4/10/2012 2:51:40 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00395**	**51.474**	**-.00430**	**.14818**	**.00040**	**.00001**	**.99046**	**-.00500**	**-.00008**	**.00022**	**.00099**	**.00388**
Stddev	.00025	.015	.00046	.02160	.00005	.00009	.00780	.00232	.00015	.00009	.00013	.00058
%RSD	6.2257	.02995	10.799	14.574	12.774	1326.3	.78756	46.505	180.64	39.426	13.111	15.008
#1	.00413	51.485	-.00463	.16345	.00044	.00007	.98494	-.00335	.00002	.00028	.00108	.00346
#2	.00378	51.463	-.00397	.13291	.00036	-.00006	.99598	-.00664	-.00019	.00016	.00090	.00429
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.425**	**.14460**	**-.00286**	**.01000**	**-.00006**	**-.00059**	**259.97**	**.00212**	**.02443**	**-.00296**	**4.8994**	**-.00160**
Stddev	.116	.02402	.00065	.00122	.00001	.00036	.73	.00021	.00332	.00016	.0253	.00093
%RSD	.22463	16.612	22.774	12.249	13.171	61.071	.28050	10.133	13.589	5.3442	.51536	57.974
#1	51.343	.16159	-.00240	.00913	-.00005	-.00085	259.45	.00227	.02208	-.00285	4.8816	-.00225
#2	51.506	.12762	-.00332	.01087	-.00006	-.00034	260.48	.00197	.02677	-.00308	4.9173	-.00094
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00549**	**.00965**	**.02065**	**.00296**	**.00043**	W **4.7177**	**.00341**	**.00113**	**10.442**	**.00317**	**.00272**	**-.19065**
Stddev	.00305	.00327	.00699	.00047	.00005	.0065	.00066	.00031	.014	.00061	.00012	.00056
%RSD	55.494	33.863	33.863	15.804	12.402	.13807	19.365	27.766	.13037	19.332	4.4662	.29498
#1	-.00765	.00734	.01570	.00263	.00039	4.7223	.00294	.00091	10.452	.00274	.00280	-.19025
#2	-.00334	.01196	.02559	.00330	.00047	4.7131	.00387	.00135	10.433	.00360	.00263	-.19104
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4002.4**	**62928.**	**6379.9**
Stddev	5.5	153.	1.7
%RSD	.13832	.24239	.02705
#1	4006.4	63036.	6378.7
#2	3998.5	62820.	6381.1

Sample Name: CCV-1343805 Acquired: 4/10/2012 2:54:01 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53603**	**.49994**	**.94150**	F **.56298**	**.53710**	**.50182**	**.00050**	**5.0103**	**.49412**	**.49092**	**.49248**	**.53267**	**2.6122**
Stddev	.03037	.01059	.01518	.00770	.00030	.00171	.00038	.0191	.00984	.01056	.00958	.03192	.0029
%RSD	5.6658	2.1175	1.6119	1.3680	.05524	.34023	76.457	.38090	1.9917	2.1519	1.9445	5.9922	.11012
#1	.51456	.49245	.93077	.55754	.53689	.50302	.00077	5.0238	.48716	.48345	.48571	.51010	2.6101
#2	.55751	.50743	.95223	.56843	.53731	.50061	.00023	4.9968	.50107	.49839	.49925	.55524	2.6142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000									
Range				10.490%									

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.781**	**1.0378**	**20.389**	**.52816**	**.48869**	**5.2105**	**.49409**	**.96338**	**.93602**	**.02693**	**.98446**	**1.0196**	**4.9505**
Stddev	.047	.0012	1.128	.02852	.00965	.0122	.00987	.01934	.02002	.00276	.02103	.0196	.0330
%RSD	.08841	.11075	5.5342	5.4000	1.9744	.23485	1.9982	2.0070	2.1386	10.257	2.1363	1.9265	.66580
#1	52.814	1.0370	19.591	.50799	.48187	5.2191	.48711	.94971	.92187	.02498	.96959	1.0057	4.9738
#2	52.748	1.0386	21.187	.54832	.49551	5.2018	.50107	.97705	.95018	.02889	.99934	1.0335	4.9272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.594**	**.99028**	**.52841**	**.01556**	**.51041**	**1.0281**	**-.01418**	**.52132**	**.49508**	**.48359**
Stddev	.071	.01949	.00026	.00295	.02804	.0170	.02500	.03008	.02650	.00129
%RSD	.66580	1.9681	.04859	18.953	5.4929	1.6525	176.28	5.7707	5.3523	.26626
#1	10.644	.97650	.52823	.01347	.49059	1.0161	-.03186	.50004	.47634	.48268
#2	10.544	1.0041	.52859	.01764	.53023	1.0401	.00350	.54259	.51381	.48450
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4102.0**	**62666.**	**6390.9**
Stddev	78.9	2363.	9.2
%RSD	1.9246	3.7706	.14338
#1	4157.8	64337.	6397.4
#2	4046.2	60996.	6384.5

Sample Name: CCB Acquired: 4/10/2012 2:56:14 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00104**	**.00014**	**.00053**	F **.04590**	**-.00010**	**.00005**	**-.00068**	**-.00150**	**.00003**	**.00003**	**.00004**
Stddev	.00021	.00014	.00082	.00195	.00002	.00002	.00017	.00030	.00007	.00014	.00012
%RSD	20.244	100.60	156.31	4.2421	20.418	41.459	25.218	20.046	204.01	432.50	262.31
#1	.00119	.00024	.00111	.04727	-.00009	.00007	-.00080	-.00128	-.00001	.00013	.00013
#2	.00089	.00004	-.00006	.04452	-.00012	.00004	-.00056	-.00171	.00008	-.00006	-.00004
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00700							
Low Limit	-.00093			-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00154**	**.00008**	**.08073**	**-.00199**	**-.00036**	**.00002**	**.00118**	W **.13341**	**.00020**	**.00311**	**.00075**
Stddev	.00005	.00079	.00540	.00121	.00131	.00006	.00048	.00707	.00010	.00097	.00012
%RSD	3.2981	1021.1	6.6950	60.870	369.13	285.61	40.626	5.3006	48.856	31.221	15.892
#1	-.00157	-.00048	.07691	-.00113	-.00129	.00006	.00084	.12841	.00028	.00243	.00083
#2	-.00150	.00064	.08455	-.00285	.00057	-.00002	.00152	.13841	.00013	.00380	.00066
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01613**	**-.00040**	**-.00138**	**-.02018**	**-.04318**	**.00064**	**.00002**	**-.00071**	**.00048**	**-.00020**	**.01203**
Stddev	.00229	.00112	.00055	.00199	.00425	.00009	.00001	.00121	.00000	.00134	.01287
%RSD	14.216	277.98	40.279	9.8388	9.8388	14.384	54.375	170.27	.73252	655.61	107.05
#1	.01451	-.00119	-.00177	-.01877	-.04017	.00070	.00001	-.00157	.00048	-.00115	.00292
#2	.01775	.00039	-.00098	-.02158	-.04618	.00057	.00003	.00015	.00049	.00074	.02113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00006**	**.00186**	**.00088**
Stddev	.00017	.00033	.00014
%RSD	285.60	17.535	16.219
#1	-.00006	.00163	.00078
#2	.00018	.00209	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4089.0**	**65423.**	**6369.1**
Stddev	6.4	303.	7.5
%RSD	.15631	.46387	.11803
#1	4084.5	65638.	6374.4
#2	4093.5	65209.	6363.8

Sample Name: CCVL1351092 Acquired: 4/10/2012 2:58:39 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01136**	**.10572**	**.01497**	**.12818**	**.01102**	**.00107**	**.10675**	**.20345**	**.00501**	**.01043**	**.01032**	**.01404**	**.10608**	**3.3222**
Stddev	.00004	.00099	.00231	.00058	.00009	.00003	.00102	.00340	.00004	.00004	.00004	.00048	.00049	.0209
%RSD	.38756	.93446	15.411	.45597	.77978	3.1909	.95791	1.6695	.72817	.38994	.33969	3.4277	.46079	.62749
#1	.01132	.10502	.01660	.12859	.01108	.00110	.10603	.20105	.00499	.01040	.01034	.01370	.10643	3.3369
#2	.01139	.10642	.01334	.12777	.01096	.00105	.10748	.20586	.00504	.01045	.01030	.01438	.10574	3.3074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00924**	**.20165**	**.01066**	**.01953**	**1.1942**	**.04148**	**2.6909**	**.00942**	**.01687**	**.00931**	**.01343**	**.46350**	**.99188**	**.09965**
Stddev	.00056	.00134	.00007	.00002	.0042	.00016	.0111	.00095	.00038	.00075	.00280	.00598	.01280	.00048
%RSD	6.0557	.66329	.64196	.11697	.34894	.37813	.41081	10.049	2.2672	8.0555	20.839	1.2905	1.2905	.48486
#1	.00884	.20070	.01061	.01952	1.1913	.04159	2.6831	.01009	.01714	.00878	.01541	.45927	.98283	.09931
#2	.00963	.20260	.01071	.01955	1.1972	.04137	2.6987	.00875	.01660	.00984	.01145	.46773	1.0009	.09999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01102**	**.01602**	**.00976**	**.01747**	**.06737**	**.00995**	**.02098**	**.01423**
Stddev	.00006	.00041	.00042	.00031	.00521	.00040	.00045	.00050
%RSD	.54803	2.5471	4.3267	1.7592	7.7305	4.0218	2.1346	3.5241
#1	.01098	.01573	.00946	.01768	.07105	.01023	.02066	.01388
#2	.01106	.01631	.01006	.01725	.06369	.00967	.02130	.01459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.5**	**65850.**	**6421.8**
Stddev	4.6	177.	36.5
%RSD	.11120	.26832	.56775
#1	4105.2	65975.	6447.6
#2	4111.7	65725.	6396.0

Sample Name: lb 280-114594/1-b Acquired: 4/10/2012 3:01:02 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00310**	**-.00331**	F **.03637**	**.00247**	**.00008**	**-.00025**	W **.12617**	**-.00008**	**-.00031**
Stddev	.00018	.00054	.00139	.00084	.00001	.00000	.00064	.00008	.00018	.00011
%RSD	16.993	17.335	42.058	2.3218	.42167	5.3546	255.14	.06631	237.80	34.029
#1	.00093	.00348	-.00429	.03697	.00248	.00008	.00020	.12611	.00005	-.00039
#2	.00118	.00272	-.00232	.03577	.00247	.00008	-.00071	.12623	-.00021	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.01000				.10000		
Low Limit				-.01000				-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	W **.00521**	**.00336**	**.11209**	**-.00138**	**.00942**	**.00097**	**-.00015**	**196.83**	**-.00005**
Stddev	.00002	.00020	.00035	.00915	.00050	.00079	.00002	.00022	.38	.00018
%RSD	15.987	3.8481	10.424	8.1605	36.499	8.3677	2.1002	151.22	.19185	366.60
#1	.00013	.00535	.00360	.11855	-.00103	.00886	.00098	.00001	197.10	.00008
#2	.00016	.00507	.00311	.10562	-.00174	.00998	.00096	-.00031	196.56	-.00018
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.00500								
Low Limit		-.00500								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**.00080**	F **.01632**	**-.00039**	**-.00455**	F **.01482**	**.03172**	**.00148**	**.00059**	**.00221**
Stddev	.00103	.00025	.00203	.00068	.00481	.01274	.02726	.00042	.00003	.00187
%RSD	32.875	31.822	12.428	174.02	105.61	85.925	85.925	28.595	4.8791	84.527
#1	.00387	.00062	.01776	.00009	-.00115	.02383	.05099	.00118	.00057	.00089
#2	.00241	.00098	.01489	-.00087	-.00795	.00582	.01245	.00178	.00061	.00353
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00176**	**-.00193**	**-.00020**	**.00348**	**.00083**
Stddev	.00008	.00061	.02947	.00028	.00002	.00009
%RSD	20.143	34.351	1525.0	137.64	.64109	11.198
#1	.00035	.00134	.01891	-.00001	.00350	.00077
#2	.00047	.00219	-.02277	-.00040	.00347	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3921.1**	**61751.**	**6430.4**
Stddev	42.7	83.	34.0
%RSD	1.0890	.13427	.52805
#1	3891.0	61809.	6454.5
#2	3951.3	61692.	6406.4

Sample Name: lcs 280-114594/2-b Acquired: 4/10/2012 3:03:28 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21931**	W **.39021**	**.78832**	F **.22218**	**2.6134**	**.01001**	**.40825**	**9.7727**	**.22804**	**.09605**
Stddev	.00011	.00107	.00131	.00009	.0002	.00013	.00383	.0254	.00002	.00013
%RSD	.04935	.27339	.16651	.04110	.00621	1.2685	.93878	.25945	.00707	.13549
#1	.21924	.38946	.78925	.22211	2.6133	.01010	.41096	9.7906	.22805	.09596
#2	.21939	.39097	.78739	.22224	2.6136	.00992	.40554	9.7548	.22803	.09614
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200		.22000						
Low Limit		1.7200		.17800						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0582**	**.48228**	**.21087**	**10.665**	**.20392**	F **9.1893**	**.10282**	**.19814**	F **201.73**	**.09806**
Stddev	.0002	.00182	.00044	.030	.00068	.0010	.00019	.00115	.63	.00008
%RSD	.02122	.37651	.21052	.27985	.33396	.01077	.18663	.58057	.31119	.08329
#1	1.0581	.48356	.21118	10.644	.20344	9.1886	.10295	.19895	202.17	.09812
#2	1.0584	.48100	.21055	10.686	.20440	9.1900	.10268	.19733	201.28	.09801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9549**	**1.0348**	**.02024**	**.09078**	**.62378**	**1.9679**	F **4.2114**	**.38918**	**.21107**	**.19058**
Stddev	.0009	.0009	.00098	.00253	.00224	.0050	.0107	.00087	.00010	.00015
%RSD	.04679	.09121	4.8586	2.7899	.35954	.25401	.25401	.22419	.04566	.07693
#1	1.9542	1.0342	.01955	.09257	.62536	1.9644	4.2038	.38980	.21114	.19047
#2	1.9555	1.0355	.02094	.08899	.62219	1.9715	4.2189	.38857	.21101	.19068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							4.9220			
Low Limit							4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19888**	**.38578**	**.42939**	**.09995**	**.48977**	**.08759**
Stddev	.00003	.00068	.00342	.00001	.00397	.00048
%RSD	.01273	.17504	.79637	.00715	.81034	.54756
#1	.19890	.38626	.42698	.09995	.49258	.08793
#2	.19886	.38530	.43181	.09996	.48697	.08725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3903.9**	**61479.**	**6436.5**
Stddev	1.2	197.	33.6
%RSD	.03076	.32122	.52162
#1	3904.8	61339.	6460.3
#2	3903.1	61618.	6412.8

Sample Name: 280-27378-a-1-b Acquired: 4/10/2012 3:05:44 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.69681**	**-.00033**	**.04166**	**.21541**	**.00016**	**.00254**	**5.9670**	**.00060**	**.00088**
Stddev	.00031	.00131	.00002	.00013	.00021	.00002	.00043	.0123	.00007	.00004
%RSD	32.344	.18753	5.6023	.31856	.09557	12.799	16.871	.20525	12.427	4.8206
#1	.00120	.69589	-.00032	.04175	.21526	.00014	.00284	5.9583	.00054	.00091
#2	.00075	.69774	-.00035	.04156	.21555	.00017	.00224	5.9757	.00065	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00863**	**.00693**	**11.699**	**.19683**	**.00145**	**1.1911**	**.11236**	**.00011**	**185.28**	**.00610**
Stddev	.00014	.00008	.014	.02387	.00034	.0072	.00040	.00010	.10	.00019
%RSD	1.6110	1.1483	.12081	12.127	23.613	.60475	.35182	83.741	.05481	3.1180
#1	.00873	.00699	11.689	.21370	.00121	1.1962	.11264	.00005	185.35	.00597
#2	.00853	.00688	11.709	.17995	.00169	1.1860	.11209	.00018	185.21	.00624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01424**	**.08197**	**.06334**	**-.00165**	**-.00474**	**2.3089**	**4.9411**	**.00126**	**.14911**	**.00041**
Stddev	.00055	.00048	.00097	.00124	.00635	.0117	.0251	.00091	.00009	.00053
%RSD	3.8722	.58837	1.5325	75.099	134.00	.50790	.50790	72.248	.06370	129.91
#1	.01385	.08231	.06266	-.00077	-.00025	2.3172	4.9588	.00062	.14904	.00003
#2	.01463	.08163	.06403	-.00252	-.00923	2.3006	4.9233	.00190	.14917	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01240**	**.00046**	**-.03048**	**.00046**	**.24482**	**.00171**
Stddev	.00007	.00025	.00152	.00019	.00331	.00004
%RSD	.53909	54.791	5.0020	40.960	1.3503	2.0730
#1	.01236	.00028	-.03156	.00060	.24715	.00174
#2	.01245	.00064	-.02940	.00033	.24248	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3951.5**	**62256.**	**6431.4**
Stddev	11.9	286.	12.4
%RSD	.30241	.45976	.19255
#1	3959.9	62053.	6440.2
#2	3943.0	62458.	6422.6

Sample Name: 280-27378-a-1-bSD@5 Acquired: 4/10/2012 3:08:06 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.16193**	**.00093**	**.02431**	**.04436**	**.00013**	**.00120**	**1.2573**	**.00006**	**.00026**
Stddev	.00006	.00039	.00068	.00015	.00016	.00001	.00114	.0104	.00005	.00011
%RSD	5.2096	.24193	72.729	.62255	.35834	4.2091	94.471	.82524	80.038	42.050
#1	.00119	.16220	.00141	.02442	.04425	.00014	.00040	1.2499	.00003	.00034
#2	.00111	.16165	.00045	.02420	.04447	.00013	.00201	1.2646	.00010	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**.00028**	**2.4530**	**.14710**	**-.00111**	**.25941**	**.02368**	**-.00013**	**38.801**	**.00128**
Stddev	.00003	.00006	.0087	.01052	.00083	.00380	.00014	.00004	.239	.00003
%RSD	1.5665	21.476	.35381	7.1520	74.997	1.4640	.58506	29.694	.61643	2.5838
#1	.00211	.00032	2.4468	.15454	-.00052	.25672	.02359	-.00010	38.632	.00126
#2	.00216	.00024	2.4591	.13966	-.00170	.26209	.02378	-.00015	38.970	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00389**	**.01752**	**.04590**	**-.00080**	**.00030**	**.46264**	**.99006**	**-.00005**	**.03067**	**-.00002**
Stddev	.00035	.00106	.00077	.00060	.00161	.00794	.01699	.00026	.00018	.00049
%RSD	9.0081	6.0636	1.6867	75.522	534.87	1.7160	1.7160	522.69	.60055	2208.1
#1	.00365	.01827	.04644	-.00122	.00144	.45703	.97805	-.00023	.03054	.00032
#2	.00414	.01677	.04535	-.00037	-.00084	.46826	1.0021	.00013	.03080	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00278**	**-.00018**	**.00232**	**.00024**	**.05407**	**.00023**
Stddev	.00015	.00074	.03217	.00015	.00107	.00084
%RSD	5.5648	406.37	1385.6	65.167	1.9861	371.88
#1	.00267	.00034	-.02042	.00013	.05331	-.00037
#2	.00289	-.00070	.02507	.00034	.05483	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4068.6**	**63670.**	**6165.4**
Stddev	.6	264.	34.9
%RSD	.01354	.41386	.56658
#1	4069.0	63856.	6190.1
#2	4068.2	63483.	6140.7

Sample Name: 280-27378-a-1-c ms Acquired: 4/10/2012 3:10:29 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21531	1.0398	.77021	.22223	2.7988	.00994	F .39472	15.572	.22196	.09588
Stddev	.00084	.0012	.00213	.00039	.0098	.00002	.00069	.020	.00030	.00003
%RSD	.39050	.11520	.27630	.17485	.34881	.20306	.17385	.13152	.13543	.03484
#1	.21590	1.0389	.77172	.22250	2.8057	.00992	.39424	15.587	.22217	.09591
#2	.21471	1.0406	.76871	.22195	2.7919	.00995	.39521	15.558	.22174	.09586
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0486	.47386	11.586	10.749	.20204	10.428	.21098	.19494	190.75	.10264
Stddev	.0013	.00275	.014	.095	.00464	.029	.00115	.00021	.61	.00023
%RSD	.12548	.57957	.11878	.88083	2.2961	.28245	.54669	.10966	.31866	.22861
#1	1.0495	.47581	11.595	10.816	.20532	10.449	.21180	.19478	191.18	.10281
#2	1.0477	.47192	11.576	10.682	.19876	10.408	.21017	.19509	190.32	.10247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9160	1.0924	.06594	.08840	.60795	4.2189	9.0285	.38687	.35217	.18979
Stddev	.0026	.0055	.00015	.00068	.00496	.0378	.0809	.00004	.00157	.00152
%RSD	.13681	.49981	.23273	.77200	.81659	.89617	.89617	.00909	.44523	.80041
#1	1.9141	1.0962	.06583	.08888	.60444	4.2457	9.0858	.38684	.35328	.19086
#2	1.9178	1.0885	.06605	.08791	.61146	4.1922	8.9713	.38689	.35106	.18872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20991	.38069	.39477	.10027	.73855	.08960
Stddev	.00032	.00369	.04321	.00025	.00037	.00197
%RSD	.15056	.96878	10.946	.24477	.05021	2.1980
#1	.21013	.38329	.36421	.10044	.73881	.09099
#2	.20969	.37808	.42532	.10010	.73829	.08821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3910.9	60624.	6063.5
Stddev	3.2	55.	5.0
%RSD	.08087	.09108	.08248
#1	3908.6	60585.	6067.0
#2	3913.1	60663.	6059.9

Sample Name: 280-27378-a-1-d msd Acquired: 4/10/2012 3:12:44 Type: Unk
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114562 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20117	.97911	.71863	.20593	2.6239	.00937	F .37024	14.575	.20765	.08992
Stddev	.00023	.00174	.00425	.00033	.0189	.00006	.00186	.121	.00008	.00014
%RSD	.11584	.17743	.59205	.15877	.71994	.64071	.50182	.82930	.03657	.15712
#1	.20100	.98034	.71562	.20616	2.6373	.00941	.37155	14.660	.20760	.09002
#2	.20133	.97788	.72164	.20570	2.6105	.00932	.36892	14.489	.20770	.08982
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98092	.44094	10.856	10.059	.18937	9.7902	.19740	.18268	178.13	.09633
Stddev	.00025	.00038	.077	.048	.00315	.0140	.00015	.00033	1.21	.00060
%RSD	.02564	.08620	.71393	.47631	1.6638	.14254	.07725	.18160	.67904	.62719
#1	.98074	.44067	10.910	10.093	.19160	9.8001	.19750	.18244	178.99	.09590
#2	.98110	.44121	10.801	10.025	.18714	9.7803	.19729	.18291	177.28	.09675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7815	1.0232	.06357	.08235	.56272	3.9559	8.4655	.36274	.33071	.17803
Stddev	.0018	.0006	.00341	.00242	.00056	.0358	.0767	.00210	.00235	.00193
%RSD	.09924	.05534	5.3693	2.9353	.09963	.90553	.90553	.57817	.70952	1.0865
#1	1.7827	1.0236	.06599	.08406	.56233	3.9812	8.5197	.36423	.33236	.17940
#2	1.7802	1.0228	.06116	.08064	.56312	3.9305	8.4113	.36126	.32905	.17666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19687	.35689	.38705	.09416	.68777	.08412
Stddev	.00029	.00174	.00338	.00062	.00468	.00081
%RSD	.14757	.48726	.87441	.66000	.68107	.96345
#1	.19667	.35566	.38944	.09372	.69108	.08469
#2	.19708	.35812	.38466	.09460	.68446	.08354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3925.4	60971.	6147.9
Stddev	8.0	219.	1.7
%RSD	.20489	.35899	.02685
#1	3931.1	60817.	6149.1
#2	3919.7	61126.	6146.7

Sample Name: CCVH-1326164 Acquired: 4/10/2012 3:14:59 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**51.566**	**-.00022**	**.01637**	**.00029**	**.00013**	**.97831**	**-.00279**	**-.00018**	**.00017**	**.00127**	**.00362**
Stddev	.00028	.347	.00196	.00035	.00005	.00005	.00538	.00028	.00001	.00011	.00000	.00011
%RSD	7.5688	.67235	888.02	2.1452	18.861	37.160	.55017	9.9275	3.4896	66.426	.26312	3.0804
#1	.00347	51.811	.00116	.01662	.00033	.00016	.97451	-.00299	-.00018	.00025	.00128	.00354
#2	.00387	51.321	-.00160	.01612	.00025	.00009	.98212	-.00260	-.00017	.00009	.00127	.00370
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.610**	**.12440**	**-.00012**	**.00613**	**-.00009**	**-.00007**	**258.61**	**.00182**	**.00377**	**-.00314**	**4.8097**	**-.00152**
Stddev	.399	.03862	.00142	.00206	.00010	.00025	.88	.00028	.00456	.00129	.0021	.00003
%RSD	.77254	31.046	1138.5	33.648	103.95	340.22	.33840	15.571	120.95	40.997	.04335	1.7862
#1	51.892	.15171	-.00113	.00467	-.00016	-.00025	259.22	.00202	.00700	-.00223	4.8083	-.00154
#2	51.328	.09709	.00088	.00758	-.00002	.00010	257.99	.00162	.00055	-.00405	4.8112	-.00150
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00519**	**.02245**	**.04804**	**.00251**	**.00044**	W **4.7276**	**.00336**	**.00140**	**10.442**	**.00261**	**.00142**	**-.18992**
Stddev	.00359	.00561	.01200	.00088	.00001	.0205	.00029	.00136	.068	.00014	.00038	.00232
%RSD	69.179	24.984	24.984	34.899	2.8340	.43405	8.5560	97.048	.65109	5.1968	27.110	1.2192
#1	-.00773	.01848	.03956	.00189	.00043	4.7421	.00316	.00236	10.490	.00252	.00169	-.19156
#2	-.00265	.02642	.05653	.00313	.00045	4.7130	.00357	.00044	10.394	.00271	.00114	-.18828
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3982.0**	**61596.**	**6168.8**
Stddev	4.7	161.	36.1
%RSD	.11740	.26062	.58498
#1	3985.3	61483.	6143.3
#2	3978.7	61710.	6194.3

Sample Name: CCV-1343805 Acquired: 4/10/2012 3:17:20 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51524**	**.50896**	**.93838**	**.49942**	**.53316**	**.49760**	**.00051**	**4.9945**	**.49286**	**.49458**	**.49559**	**.50787**	**2.6281**	**52.805**
Stddev	.00130	.00019	.00638	.00192	.00010	.00005	.00010	.0119	.00014	.00030	.00045	.00008	.0118	.045
%RSD	.25173	.03662	.67956	.38447	.01889	.00987	19.458	.23811	.02789	.06144	.09074	.01540	.45042	.08608
#1	.51616	.50883	.93387	.49806	.53323	.49756	.00044	4.9861	.49296	.49480	.49591	.50781	2.6197	52.773
#2	.51432	.50909	.94289	.50078	.53309	.49763	.00058	5.0029	.49277	.49437	.49527	.50793	2.6365	52.837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0236**	**19.885**	**.51480**	**.49106**	**5.1476**	**.49633**	**.95930**	**.94295**	**.01268**	**.96894**	**1.0138**	**4.8959**	**10.477**	**1.0019**
Stddev	.0040	.038	.00028	.00057	.0159	.00067	.00070	.00396	.00101	.00039	.0012	.0083	.018	.0019
%RSD	.38933	.19315	.05396	.11673	.30890	.13521	.07296	.42015	7.9638	.03987	.12066	.17016	.17016	.18607
#1	1.0264	19.912	.51500	.49146	5.1589	.49585	.95880	.94575	.01196	.96921	1.0147	4.9018	10.490	1.0006
#2	1.0208	19.857	.51461	.49065	5.1364	.49680	.95979	.94015	.01339	.96866	1.0129	4.8900	10.465	1.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52523**	**.01267**	**.49339**	**1.0277**	**.00606**	**.50492**	**.48632**	**.47656**
Stddev	.00103	.00018	.00028	.0001	.00400	.00071	.00026	.00005
%RSD	.19578	1.4214	.05702	.01243	66.024	.14020	.05364	.01093
#1	.52450	.01280	.49359	1.0278	.00889	.50542	.48614	.47659
#2	.52596	.01254	.49319	1.0277	.00323	.50442	.48651	.47652
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4058.2**	**63352.**	**6217.4**
Stddev	.5	53.	42.5
%RSD	.01331	.08296	.68410
#1	4057.8	63389.	6247.4
#2	4058.5	63315.	6187.3

Sample Name: CCB Acquired: 4/10/2012 3:19:33 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00132	.00007	.00016	F .01341	-.00007	.00013	.00060	-.00187	-.00001	-.00021	.00015
Stddev	.00036	.00020	.00033	.00042	.00001	.00003	.00142	.00077	.00002	.00003	.00005
%RSD	26.965	280.23	203.77	3.1146	14.897	22.346	236.89	41.071	314.00	13.721	33.206
#1	.00107	.00022	-.00007	.01311	-.00008	.00015	-.00040	-.00242	.00001	-.00019	.00018
#2	.00157	-.00007	.00040	.01370	-.00007	.00011	.00160	-.00133	-.00002	-.00023	.00011
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00700							
Low Limit	-.00093			-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00201	.00343	.09860	-.00113	-.00137	.00000	.00096	W .11447	.00010	.00175	.00164
Stddev	.00021	.00041	.00875	.00055	.00027	.0001	.00059	.00058	.00019	.00025	.00014
%RSD	10.206	11.986	8.8718	49.077	19.707	1373.1	61.252	.50943	193.39	14.235	8.6948
#1	-.00216	.00372	.09241	-.00152	-.00118	-.00004	.00054	.11406	.00023	.00157	.00154
#2	-.00187	.00314	.10478	-.00074	-.00156	.00003	.00138	.11488	-.00004	.00192	.00174
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00658	.00191	-.00175	-.00721	-.01543	.00090	-.00001	.00100	.00056	.00011	-.01393
Stddev	.00385	.00092	.00147	.01211	.02591	.00176	.00009	.00034	.00005	.00068	.02511
%RSD	58.461	48.019	84.041	167.89	167.89	196.24	1548.4	33.712	8.4463	594.29	180.21
#1	.00930	.00126	-.00280	-.01577	-.03376	-.00035	-.00007	.00124	.00060	-.00037	.00382
#2	.00386	.00255	-.00071	.00135	.00289	.00215	.00006	.00076	.00053	.00060	-.03169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00006	.00135	.00057
Stddev	.00020	.00006	.00054
%RSD	362.75	4.5606	94.158
#1	.00009	.00140	.00095
#2	-.00020	.00131	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4075.4	64506.	6154.1
Stddev	1.8	42.	45.5
%RSD	.04481	.06555	.73936
#1	4076.7	64476.	6121.9
#2	4074.1	64536.	6186.3

Sample Name: CCVL1351092 Acquired: 4/10/2012 3:21:59 Type: QC
Method: 6500_025(v14) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01152**	**.10591**	F **.01048**	**.10142**	**.01120**	**.00105**	**.10701**	**.20552**	**.00501**	**.01018**	**.01027**	**.01359**	**.10919**
Stddev	.00019	.00001	.00041	.00014	.00016	.00000	.00042	.00053	.00011	.00015	.00021	.00052	.00008
%RSD	1.6745	.00536	3.9509	.13663	1.4144	.25781	.39443	.25852	2.1875	1.4859	2.0759	3.8026	.06996
#1	.01165	.10590	.01077	.10132	.01131	.00105	.10730	.20590	.00508	.01029	.01042	.01396	.10925
#2	.01138	.10591	.01019	.10152	.01109	.00105	.10671	.20514	.00493	.01007	.01012	.01323	.10914
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4061**	**.01036**	**.20140**	**.01074**	**.01947**	**1.1829**	**.04107**	**2.6567**	**.00839**	**.00842**	**.00907**	**.01396**	**.46321**
Stddev	.0015	.00051	.00019	.00005	.00010	.0027	.00032	.0057	.00006	.00139	.00086	.00024	.00666
%RSD	.04534	4.9020	.09270	.51010	.51010	.23005	.77538	.21422	.73463	16.510	9.4337	1.7042	1.4367
#1	3.4072	.01072	.20153	.01078	.01940	1.1848	.04084	2.6527	.00843	.00744	.00968	.01413	.45851
#2	3.4050	.01000	.20127	.01070	.01954	1.1810	.04129	2.6607	.00835	.00941	.00847	.01379	.46792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99127**	**.09984**	**.01100**	**.01528**	**.00973**	**.01668**	**.05836**	**.01020**	**.02124**	**.01594**
Stddev	.01424	.00132	.00002	.00160	.00002	.00188	.00292	.00036	.00003	.00095
%RSD	1.4367	1.3234	.18946	10.498	.21344	11.297	5.0103	3.5707	.15993	5.9625
#1	.98120	.10078	.01102	.01641	.00974	.01801	.05629	.00994	.02122	.01661
#2	1.0013	.09891	.01099	.01414	.00971	.01535	.06043	.01046	.02126	.01527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.7**	**65335.**	**6143.5**
Stddev	9.7	9.	2.7
%RSD	.23670	.01368	.04360
#1	4101.8	65341.	6141.6
#2	4115.5	65328.	6145.4

ICP Data Review Checklist

TALS BATCH NUMBER: 114795 - 114799, 114801		**Earliest due date:** 4/10/12	
Run Date: 4/9/12	**Analyst:** JKH	**Instrument:** 25	
QC programs/Methods Run: 200.7 6010B 6010C			

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH **Date:** 4/10/12

Comments:

2nd Level Reviewer: Yongming DD **Date:** 4/10/12

Comments:

Sample Name: ICIS Acquired: 4/10/2012 9:29:12 Type: Cal
Method: 6500_025(v15) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00153**	**.00049**	**-.01476**	**-.00021**	**.00063**	**-.00273**	**-.00002**	**-.00052**	**.00466**	**.00050**	**.00009**	**-.00005**	**.00818**
Stddev	.00004	.00001	.00011	.00006	.00005	.00071	.00006	.00023	.00052	.00007	.00014	.00012	.00004
%RSD	2.4079	2.6812	.72432	27.339	7.2563	25.866	313.51	45.041	11.195	13.790	156.48	232.06	.51306
#1	-.00151	.00050	-.01484	-.00025	.00060	-.00223	-.00006	-.00035	.00503	.00045	-.00001	-.00014	.00815
#2	-.00156	.00048	-.01469	-.00017	.00066	-.00323	.00002	-.00068	.00429	.00055	.00019	.00003	.00821

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00011**	**.00048**	**.00238**	**.00277**	**-.00014**	**-.00010**	**-.00001**	**.01002**	**-.00473**	**-.00010**	**.00000**	**-.00028**	**.00018**
Stddev	.00010	.00004	.00037	.00033	.00004	.00000	.00000	.00077	.00254	.00001	.00007	.00021	.00001
%RSD	93.494	8.2787	15.737	11.787	25.129	.38445	15.941	7.6688	53.741	7.5681	5185.5	74.837	4.9035
#1	-.00004	.00051	.00264	.00254	-.00017	-.00010	-.00001	.00947	-.00293	-.00011	.00005	-.00013	.00018
#2	-.00018	.00046	.00211	.00301	-.00012	-.00010	-.00001	.01056	-.00652	-.00010	-.00005	-.00043	.00019

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00078**	**.00036**	**.00075**	**.00075**	**.00000**	**-.00087**	**-.00013**	**-.00022**	**-.00007**	**-.00011**	**.00013**	**.00002**	**-.00083**
Stddev	.00015	.00020	.00009	.00009	.0001	.00034	.00000	.00013	.00001	.00002	.00007	.00001	.00048
%RSD	18.593	56.761	12.639	12.639	2497.5	39.204	3.3430	60.177	18.108	16.666	55.774	48.291	58.627
#1	.00068	.00021	.00068	.00068	.00005	-.00111	-.00013	-.00013	-.00007	-.00010	.00008	.00001	-.00117
#2	.00089	.00050	.00081	.00081	-.00005	-.00063	-.00013	-.00031	-.00006	-.00012	.00018	.00002	-.00048

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4099.4**	**64031.**	**6215.5**
Stddev	9.6	226.	7.0
%RSD	.23442	.35293	.11321
#1	4092.6	63871.	6210.6
#2	4106.2	64191.	6220.5

Sample Name: ICAL1 Acquired: 4/10/2012 9:31:38 Type: Cal
Method: 6500_025(v15) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.28236**	**.20220**	**.07252**	**.28626**	**5.5515**	**6.9085**	**1.7413**	**1.5244**	**.90134**	**.89847**	**.34873**	**.62625**	**3.7692**	**1.4677**
Stddev	.00190	.00147	.00058	.00323	.0758	.0733	.0206	.0126	.00637	.00735	.00205	.00687	.0495	.0164
%RSD	.67358	.72882	.80192	1.1272	1.3650	1.0606	1.1819	.82814	.70630	.81752	.58669	1.0974	1.3142	1.1137
#1	.28102	.20116	.07211	.28398	5.4979	6.8567	1.7268	1.5155	.89684	.89328	.34728	.62139	3.7342	1.4561
#2	.28371	.20324	.07294	.28854	5.6051	6.9603	1.7559	1.5333	.90584	.90367	.35017	.63111	3.8042	1.4792

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.0354**	**1.1685**	**.44512**	**1.2893**	**.67192**	**.08740**	**.44247**	**.19842**	**.06711**	**.28702**	**.28702**	**.17917**	**10.745**	**.38540**
Stddev	.0105	.0100	.00356	.0147	.00474	.00084	.00320	.00181	.00000	.00213	.00213	.00157	.149	.00329
%RSD	1.0109	.85209	.79906	1.1392	.70556	.95771	.72285	.91290	.00030	.74230	.74230	.87462	1.3898	.85356
#1	1.0280	1.1614	.44260	1.2789	.66857	.08680	.44021	.19713	.06711	.28551	.28551	.17806	10.640	.38308
#2	1.0428	1.1755	.44763	1.2997	.67527	.08799	.44473	.19970	.06711	.28853	.28853	.18028	10.851	.38773

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.15002**	**.25028**	**.02601**	**.29598**
Stddev	.00119	.00261	.00035	.00424
%RSD	.79279	1.0436	1.3444	1.4322
#1	.14918	.24843	.02577	.29298
#2	.15086	.25213	.02626	.29898

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3962.2**	**61456.**	**6176.9**
Stddev	24.0	679.	36.8
%RSD	.60615	1.1055	.59629
#1	3979.2	61936.	6203.0
#2	3945.2	60975.	6150.9

Sample Name: ICAL2 Acquired: 4/10/2012 9:33:49 Type: Cal
Method: 6500_025(v15) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.2684**	**.24298**	**.64668**	**2.3126**	**.29655**	**.53331**	**.13209**
Stddev	.0726	.00226	.01037	.0336	.00334	.00217	.00069
%RSD	1.7002	.93102	1.6042	1.4552	1.1278	.40624	.52340
#1	4.2171	.24138	.63935	2.2888	.29419	.53484	.13258
#2	4.3197	.24458	.65402	2.3364	.29892	.53178	.13160

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3833.4**	**59440.**	**6290.0**
Stddev	26.0	282.	72.4
%RSD	.67870	.47484	1.1517
#1	3851.8	59240.	6341.2
#2	3815.0	59639.	6238.8

Sample Name: S1-1351344 Acquired: 4/10/2012 9:36:56 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99747**	**1.0020**	**2.0158**	**1.0045**	**.99796**	**.99325**	**-.00476**	**9.9332**	**1.0053**	**1.0047**	**1.0067**	**.99399**	**4.9854**
Stddev	.03484	.0020	.0017	.0006	.00070	.00224	.00100	.0265	.0003	.0004	.0002	.03489	.0055
%RSD	3.4929	.20151	.08639	.05459	.07057	.22546	20.967	.26675	.02964	.03985	.02122	3.5100	.10954
#1	1.0221	1.0006	2.0171	1.0049	.99846	.99484	-.00546	9.9520	1.0055	1.0044	1.0069	1.0187	4.9816
#2	.97283	1.0034	2.0146	1.0041	.99746	.99167	-.00405	9.9145	1.0051	1.0050	1.0066	.96932	4.9893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.517**	**1.9896**	**39.847**	**.99882**	**1.0080**	**10.040**	**10.448**	**1.0041**	**2.0092**	**1.9969**	**.00543**	**2.0041**	**2.0029**
Stddev	.063	.0024	1.470	.03507	.0026	.025	.090	.0009	.0033	.0001	.00470	.0007	.0004
%RSD	.06309	.11862	3.6890	3.5112	.25465	.24919	.85788	.08671	.16360	.00426	86.582	.03569	.01853
#1	99.562	1.9912	40.886	1.0236	1.0099	10.057	10.385	1.0048	2.0069	1.9969	.00210	2.0036	2.0026
#2	99.473	1.9879	38.807	.97402	1.0062	10.022	10.512	1.0035	2.0115	1.9970	.00875	2.0046	2.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9633**	**21.321**	**2.0148**	**.99565**	**-.00390**	**.99680**	**2.0092**	**.01310**	**.99622**	**.99699**	**.99656**
Stddev	.0271	.058	.0014	.00016	.00099	.03639	.0024	.01077	.03605	.03512	.00214
%RSD	.27227	.27227	.07063	.01616	25.290	3.6506	.11952	82.258	3.6186	3.5227	.21488
#1	9.9441	21.280	2.0138	.99577	-.00320	1.0225	2.0075	.02071	1.0217	1.0218	.99807
#2	9.9825	21.362	2.0158	.99554	-.00459	.97107	2.0109	.00548	.97073	.97216	.99505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3943.0**	**61601.**	**6239.6**
Stddev	4.1	1882.	11.3
%RSD	.10364	3.0557	.18147
#1	3945.9	60270.	6231.6
#2	3940.1	62932.	6247.7

Sample Name: S2-1351955 Acquired: 4/10/2012 9:39:07 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00436	101.29	-.00068	.00420	.00096	.00046	2.0358	-.00220	.00014	.00094	.00133	.01195	101.14
Stddev	.00047	.64	.00723	.00022	.00007	.00000	.0402	.00087	.00005	.00019	.00015	.00003	.67
%RSD	10.825	.63370	1059.3	5.2812	7.2178	.50560	1.9736	39.544	36.185	20.316	11.063	.28928	.66220
#1	.00469	101.74	.00443	.00436	.00092	.00046	2.0642	-.00159	.00017	.00107	.00143	.01197	101.62
#2	.00402	100.83	-.00579	.00404	.00101	.00046	2.0074	-.00282	.00010	.00080	.00122	.01192	100.67
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23802	.00304	.04962	.00038	.00080	508.28	.00379	.00508	-.00360	10.114	.00120	.00316	.04569
Stddev	.00564	.00001	.00020	.00004	.00097	3.48	.00033	.00083	.00218	.201	.00002	.00204	.00446
%RSD	2.3712	.44321	.40193	11.371	121.79	.68392	8.7722	16.407	60.500	1.9880	1.8787	64.624	9.7568
#1	.24201	.00303	.04976	.00035	.00011	510.74	.00355	.00567	-.00206	10.257	.00119	.00171	.04884
#2	.23403	.00305	.04948	.00041	.00148	505.82	.00402	.00449	-.00514	9.9722	.00122	.00460	.04254
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09778	.00606	.00113	9.8782	.00136	-.00219	19.907	.00717	-.00055	.03434
Stddev	.00954	.00091	.00002	.0218	.00022	.00028	.036	.00061	.00007	.00266
%RSD	9.7568	15.066	1.4541	.22064	15.867	12.887	.18272	8.5672	13.171	7.7588
#1	.10453	.00542	.00112	9.8628	.00121	-.00239	19.881	.00674	-.00050	.03623
#2	.09104	.00671	.00114	9.8936	.00152	-.00199	19.933	.00761	-.00060	.03246
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3799.4	59694.	6256.4
Stddev	54.5	237.	29.8
%RSD	1.4332	.39659	.47677
#1	3760.9	59861.	6235.3
#2	3837.9	59526.	6277.5

Sample Name: ICVH-1338471 Acquired: 4/10/2012 9:42:11 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**40.334**	**-.00064**	**.00184**	**.00038**	**-.00003**	W **.53074**	**38.350**	**.00006**	**.00090**	**.00121**	**.00428**
Stddev	.00024	.006	.00279	.00021	.00007	.00002	.00459	.089	.00018	.00001	.00009	.00002
%RSD	17.870	.01524	436.63	11.263	17.643	89.294	.86545	.23307	301.72	.78560	7.8125	.42429
#1	.00120	40.329	.00133	.00169	.00042	-.00004	.53398	38.413	.00019	.00091	.00127	.00427
#2	.00154	40.338	-.00261	.00198	.00033	-.00001	.52749	38.287	-.00007	.00090	.00114	.00430
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**79.664**	**.09981**	**.00082**	**.01611**	**.00061**	**-.00077**	**41.382**	**.00086**	**.00327**	**.00038**	**3.8670**	**-.00404**
Stddev	.018	.00310	.00111	.00131	.00006	.00007	.209	.00018	.00023	.00003	.0108	.00233
%RSD	.02213	3.1038	134.99	8.1054	10.265	8.6227	.50491	21.546	7.1491	7.0264	.27925	57.710
#1	79.677	.10200	.00161	.01518	.00057	-.00072	41.529	.00073	.00343	.00040	3.8746	-.00569
#2	79.652	.09762	.00004	.01703	.00066	-.00082	41.234	.00099	.00310	.00036	3.8593	-.00239
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.00503**	**.01076**	**.00271**	**.00045**	**2.9444**	**.00041**	**.00168**	**5.0271**	**.00237**	**2.4817**	**.01096**
Stddev	.00162	.00672	.01439	.00016	.00002	.0198	.00001	.00140	.0079	.00007	.0129	.00261
%RSD	151.28	133.70	133.70	5.7268	3.6710	.67067	2.0972	83.723	.15699	2.9897	.51911	23.772
#1	-.00222	.00027	.00059	.00282	.00044	2.9305	.00040	.00267	5.0216	.00242	2.4908	.01281
#2	.00007	.00978	.02093	.00260	.00046	2.9584	.00041	.00068	5.0327	.00232	2.4726	.00912
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4049.9**	**62841.**	**6367.0**
Stddev	13.5	146.	36.3
%RSD	.33326	.23268	.57003
#1	4040.3	62944.	6341.4
#2	4059.4	62737.	6392.7

Sample Name: ICV-1332160 Acquired: 4/10/2012 9:45:58 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24572**	**.25878**	**.24518**	**.24437**	**.24773**	**.23940**	**-.00213**	**1.9723**	**.24715**	**.24769**	**.24866**	**.24962**	**.25081**
Stddev	.00129	.00123	.00224	.00157	.00026	.00060	.00159	.0044	.00052	.00022	.00143	.00159	.00109
%RSD	.52672	.47454	.91316	.64132	.10620	.25243	74.763	.22447	.21155	.08881	.57455	.63550	.43513
#1	.24481	.25791	.24676	.24326	.24755	.23898	-.00325	1.9691	.24678	.24753	.24765	.24849	.25158
#2	.24664	.25965	.24360	.24548	.24792	.23983	-.00100	1.9754	.24752	.24785	.24967	.25074	.25004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.944**	**.25407**	**9.7086**	**.24773**	**.24280**	**2.0489**	**.24989**	**1.9081**	**.25280**	**.00301**	**.24211**	**.49172**	**1.9615**
Stddev	.041	.00141	.0694	.00150	.00174	.0057	.00043	.0045	.00093	.00354	.00158	.00530	.0108
%RSD	.20610	.55595	.71524	.60733	.71751	.27796	.17042	.23588	.36693	117.82	.65285	1.0772	.54878
#1	19.973	.25307	9.6595	.24667	.24156	2.0529	.24959	1.9113	.25346	.00050	.24323	.48798	1.9539
#2	19.915	.25507	9.7577	.24880	.24403	2.0449	.25019	1.9049	.25215	.00551	.24100	.49547	1.9691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1976**	**.49784**	**.24652**	**-.00046**	**.24199**	**.52235**	**.00550**	**.24342**	**.24147**	**.23851**
Stddev	.0230	.00419	.00057	.00007	.00226	.00098	.01144	.00227	.00078	.00016
%RSD	.54878	.84063	.23151	16.133	.93576	.18809	207.90	.93388	.32480	.06587
#1	4.1813	.49488	.24612	-.00041	.24039	.52304	.01360	.24181	.24092	.23862
#2	4.2139	.50080	.24693	-.00051	.24359	.52165	-.00259	.24503	.24203	.23839
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.0**	**63908.**	**6255.9**
Stddev	3.9	285.	28.4
%RSD	.09545	.44641	.45396
#1	4036.2	64110.	6276.0
#2	4041.7	63706.	6235.8

Sample Name: ICVL-1351092 Acquired: 4/10/2012 9:48:32 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.10855**	**.01740**	**.09765**	**.01016**	**.00093**	**.11069**	**.20189**	**.00527**	**.01052**	**.01041**	**.01528**	**.09882**
Stddev	.00047	.00020	.00057	.00076	.00001	.00002	.00358	.00081	.00003	.00018	.00003	.00034	.00065
%RSD	4.3851	.18741	3.2977	.77448	.13305	1.9535	3.2317	.40104	.54949	1.7298	.31412	2.2009	.66154
#1	.01039	.10840	.01781	.09712	.01015	.00092	.11322	.20132	.00529	.01039	.01039	.01504	.09836
#2	.01105	.10869	.01700	.09819	.01017	.00095	.10816	.20246	.00525	.01065	.01043	.01552	.09928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0896**	**.01109**	**.21356**	**.01038**	**.02000**	**1.0744**	**.04151**	**2.8512**	**.01151**	**-.00220**	**.00906**	**.01061**	**.48079**
Stddev	.0140	.00007	.00446	.00011	.00016	.0115	.00024	.0001	.00087	.00191	.00053	.00582	.02254
%RSD	.45326	.58626	2.0881	1.0589	.81621	1.0686	.56723	.00200	7.5336	86.790	5.8568	54.891	4.6871
#1	3.0797	.01104	.21040	.01030	.02012	1.0662	.04134	2.8513	.01212	-.00356	.00944	.00649	.46486
#2	3.0995	.01113	.21671	.01046	.01988	1.0825	.04168	2.8512	.01090	-.00085	.00869	.01473	.49673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0289**	**.10131**	**.01010**	**.01408**	**.00973**	**.01546**	F **.09314**	**.01021**	**.02134**	**.01398**
Stddev	.0482	.00098	.00019	.00183	.00014	.00068	.02111	.00069	.00109	.00138
%RSD	4.6871	.96275	1.8376	12.959	1.4021	4.3691	22.661	6.7873	5.0889	9.8371
#1	.99480	.10062	.00997	.01537	.00982	.01498	.07822	.00972	.02057	.01496
#2	1.0630	.10200	.01023	.01279	.00963	.01594	.10807	.01070	.02211	.01301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4086.7**	**64835.**	**6371.1**
Stddev	10.6	348.	14.5
%RSD	.25964	.53718	.22737
#1	4079.2	65082.	6381.3
#2	4094.2	64589.	6360.8

Sample Name: CCVH-1351956 Acquired: 4/10/2012 9:51:26 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**50.637**	**-.00187**	**.00120**	**.00043**	**.00002**	**1.0383**	**-.00866**	**-.00002**	**.00018**	**.00031**	**.00658**	**50.599**
Stddev	.00074	.296	.00270	.00009	.00004	.00005	.0029	.00108	.00005	.00001	.00013	.00001	.457
%RSD	41.096	.58461	144.28	7.4297	9.4090	311.48	.27905	12.422	253.10	4.3163	41.628	.17919	.90287
#1	.00233	50.846	-.00379	.00113	.00040	.00005	1.0403	-.00790	-.00006	.00019	.00040	.00659	50.922
#2	.00128	50.427	.00004	.00126	.00046	-.00002	1.0362	-.00942	.00002	.00018	.00022	.00658	50.276
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03233**	**.00214**	**.01918**	**.00002**	**-.00039**	**255.79**	**.00144**	**.00131**	**-.00275**	**5.0345**	**-.00491**	**.00038**	**.00841**
Stddev	.00958	.00039	.00010	.00002	.00006	1.13	.00011	.00124	.00018	.0016	.00155	.00167	.00503
%RSD	29.622	18.320	.53284	111.28	15.040	.44337	7.7753	95.128	6.5523	.03173	31.666	436.40	59.798
#1	.02556	.00241	.01910	.00000	-.00035	256.59	.00136	.00219	-.00288	5.0357	-.00601	.00157	.00486
#2	.03910	.00186	.01925	.00003	-.00043	254.99	.00152	.00043	-.00262	5.0334	-.00381	-.00080	.01197
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01801**	**.00218**	**.00038**	**5.0090**	**.00054**	**-.00025**	**10.042**	**.00330**	**.00076**	**.01243**
Stddev	.01077	.00044	.00001	.0594	.00014	.00202	.098	.00024	.00050	.00139
%RSD	59.798	20.164	1.6626	1.1866	26.392	804.45	.97860	7.1785	65.936	11.211
#1	.01039	.00250	.00038	5.0510	.00044	.00118	10.111	.00347	.00111	.01144
#2	.02562	.00187	.00037	4.9670	.00064	-.00168	9.9724	.00313	.00040	.01341
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3953.1**	**60957.**	**6432.6**
Stddev	13.3	149.	68.0
%RSD	.33633	.24474	1.0574
#1	3962.5	60851.	6384.5
#2	3943.7	61062.	6480.7

Sample Name: CCV-1351954 Acquired: 4/10/2012 9:53:46 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51110**	**.51909**	**1.0201**	**.52275**	**.50155**	**.49651**	**-.00146**	**4.9859**	**.51343**	**.50924**	**.50411**	**.50688**
Stddev	.00587	.00011	.0018	.00257	.00146	.00167	.00182	.0293	.00102	.00075	.00010	.00789
%RSD	1.1492	.02164	.17328	.49119	.29020	.33613	124.33	.58735	.19771	.14686	.01999	1.5557
#1	.50695	.51901	1.0213	.52094	.50052	.49533	-.00275	4.9652	.51271	.50871	.50404	.50130
#2	.51525	.51917	1.0188	.52457	.50257	.49769	-.00018	5.0066	.51414	.50976	.50418	.51245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4996**	**50.119**	**1.0079**	**20.186**	**.50095**	**.50112**	**5.0651**	**.50994**	**1.0240**	**1.0288**	**.00079**	**1.0280**
Stddev	.0066	.056	.0018	.191	.00627	.00089	.0311	.00026	.0016	.0006	.00224	.0038
%RSD	.26467	.11098	.17455	.94417	1.2515	.17681	.61378	.05057	.15764	.06177	282.20	.36678
#1	2.4949	50.080	1.0067	20.051	.49651	.50175	5.0432	.51012	1.0251	1.0293	-.00079	1.0306
#2	2.5043	50.159	1.0092	20.321	.50538	.50049	5.0871	.50976	1.0229	1.0284	.00237	1.0253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0437**	**4.9610**	**10.616**	**1.0178**	**.49925**	**-.00298**	**.49832**	W **1.0518**	**.01142**	**.49783**	**.50227**	**.49294**
Stddev	.0052	.0005	.001	.0051	.00198	.00139	.00690	.0042	.02472	.00696	.00594	.00212
%RSD	.49318	.00919	.00919	.50428	.39605	46.525	1.3853	.40069	216.45	1.3984	1.1829	.43072
#1	1.0474	4.9613	10.617	1.0141	.49786	-.00397	.49344	1.0488	-.00606	.49291	.49807	.49144
#2	1.0401	4.9607	10.616	1.0214	.50065	-.00200	.50320	1.0548	.02890	.50276	.50647	.49444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
Value								1.0000				
Range								5.0000%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.1**	**63190.**	**6387.9**
Stddev	8.2	552.	10.5
%RSD	.20360	.87327	.16493
#1	4028.9	63580.	6380.4
#2	4017.3	62800.	6395.3

Sample Name: ICB Acquired: 4/10/2012 9:55:59 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00060**	**.00344**	**.00060**	**.00009**	**.00002**	**-.00001**	**.00245**	**.00017**	**.00010**	**.00011**	**.00051**
Stddev	.00007	.00015	.00591	.00002	.00004	.00003	.00060	.00040	.00026	.00003	.00011	.00004
%RSD	24.328	25.262	171.90	3.8572	38.889	110.37	4694.8	16.226	153.86	25.832	101.78	7.9947
#1	.00023	.00050	.00762	.00061	.00012	.00001	-.00044	.00217	.00035	.00012	.00003	.00048
#2	.00032	.00071	-.00074	.00058	.00007	.00004	.00041	.00273	-.00001	.00009	.00019	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.06180**	W **.00280**	**.00400**	**.00001**	**.00111**	**.02193**	**-.00035**	**-.00021**	**.00081**	**-.00570**	**-.00029**
Stddev	.00178	.01865	.00056	.00066	.00002	.00003	.02355	.00032	.00174	.00064	.00070	.00233
%RSD	7401.8	30.175	19.864	16.424	169.97	2.7531	107.36	91.223	824.18	78.846	12.237	808.58
#1	-.00124	.07498	.00240	.00447	.00003	.00109	.03858	-.00012	-.00144	.00036	-.00619	-.00194
#2	.00129	.04861	.00319	.00354	.00000	.00113	.00528	-.00057	.00102	.00126	-.00520	.00136
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261									
Low Limit			-.00261									

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00151**	**.00324**	**.00023**	**.00002**	**.00041**	**-.00006**	**-.00168**	**.01056**	**-.00005**	**.00116**	**-.00042**
Stddev	.00262	.00847	.01813	.00063	.00003	.00057	.00022	.00169	.01082	.00016	.00012	.00069
%RSD	554.55	559.35	559.35	278.09	203.04	139.07	370.07	100.59	102.46	334.99	10.711	165.14
#1	-.00232	-.00448	-.00958	-.00022	-.00001	.00001	.00009	-.00287	.00291	-.00016	.00125	-.00090
#2	.00138	.00750	.01606	.00068	.00004	.00082	-.00021	-.00048	.01820	.00006	.00107	.00007
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4062.3**	**64174.**	**6303.9**
Stddev	3.2	34.	41.1
%RSD	.07992	.05349	.65185
#1	4064.6	64150.	6274.8
#2	4060.0	64199.	6333.0

Sample Name: CRI-1351958 Acquired: 4/10/2012 9:58:25 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01013**	**.11284**	W **.00724**	**.10656**	**.00550**	**.00100**	**.11831**	**.20791**	**.00556**	**.00554**	**.01044**	**.01113**
Stddev	.00017	.00156	.00120	.00131	.00001	.00005	.00024	.00053	.00015	.00004	.00006	.00023
%RSD	1.6645	1.3834	16.627	1.2267	.18876	5.3325	.20429	.25351	2.6725	.74934	.52996	2.0395
#1	.01025	.11395	.00639	.10748	.00549	.00104	.11848	.20754	.00566	.00551	.01048	.01129
#2	.01001	.11174	.00809	.10563	.00550	.00096	.11814	.20828	.00545	.00557	.01040	.01097
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000									
Range			-20.490%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03101**	**1.0682**	W **.01394**	**.22319**	**.00331**	**.01024**	**1.0725**	**.01058**	**1.0315**	**.00326**	**.10629**	W **.00592**
Stddev	.00167	.0047	.00007	.00078	.00003	.00039	.0045	.00032	.0096	.00114	.00005	.00095
%RSD	5.3996	.44083	.47623	.34881	1.0329	3.8420	.42239	3.0157	.93481	34.931	.04841	15.982
#1	.03220	1.0715	.01390	.22264	.00333	.01052	1.0757	.01081	1.0383	.00406	.10632	.00659
#2	.02983	1.0649	.01399	.22374	.00328	.00996	1.0693	.01036	1.0247	.00245	.10625	.00526
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value			.01000									.01000
Range			20.490%									-20.490%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01616**	**.49615**	**1.0618**	**.02201**	**.00534**	**.01012**	**.01021**	**.01125**	W **.07975**	**.01054**	W **.01211**	**.01043**
Stddev	.00465	.00318	.0068	.00059	.00005	.00047	.00001	.00075	.02385	.00021	.00044	.00006
%RSD	28.791	.64151	.64151	2.6730	.96252	4.6566	.12895	6.6927	29.904	2.0184	3.6396	.55311
#1	.01945	.49390	1.0569	.02159	.00537	.00978	.01022	.01071	.06289	.01069	.01242	.01047
#2	.01287	.49840	1.0666	.02242	.00530	.01045	.01020	.01178	.09662	.01039	.01180	.01039
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
Value	.01000								.06000		.01000	
Range	50.000%								20.490%		20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.2**	**65159.**	**6419.0**
Stddev	16.6	232.	4.5
%RSD	.39978	.35573	.06935
#1	4130.5	64995.	6422.1
#2	4153.9	65323.	6415.8

Sample Name: CRI-1352036 Acquired: 4/10/2012 10:05:58 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00050**	**.02043**	**-.00021**	**.00021**	**-.00002**	**-.00260**	**-.00058**	**.00010**	**-.00011**
Stddev	.00017	.00031	.00024	.00006	.00021	.00001	.00112	.00084	.00009	.00015
%RSD	1467.9	62.690	1.1852	26.059	100.80	45.915	43.050	145.75	84.412	136.90
#1	-.00013	.00028	.02025	-.00017	.00035	-.00002	-.00181	-.00117	.00016	.00000
#2	.00011	.00072	.02060	-.00025	.00006	-.00001	-.00339	.00002	.00004	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00022**	**.00129**	**.00064**	**.00116**	**.00368**	**.00006**	**-.00014**	**.00320**	**-.00005**
Stddev	.00005	.00002	.00139	.00003	.00015	.00007	.00002	.00024	.00197	.00002
%RSD	18.255	8.3326	107.90	4.9004	13.357	1.8965	28.836	171.99	61.530	45.223
#1	-.00024	-.00023	.00030	.00067	.00105	.00373	.00007	-.00031	.00181	-.00006
#2	-.00031	-.00021	.00227	.00062	.00127	.00363	.00004	.00003	.00459	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00304**	**.00089**	**.00108**	**.01747**	**.01950**	**-.00775**	**-.01659**	**.00119**	**.00003**	**.00054**
Stddev	.00089	.00025	.00431	.00053	.00045	.00515	.01103	.00016	.00005	.00122
%RSD	29.252	28.575	397.95	3.0434	2.3312	66.480	66.480	13.501	154.27	226.20
#1	-.00241	.00071	.00413	.01709	.01918	-.00411	-.00879	.00108	.00000	-.00032
#2	-.00367	.00107	-.00197	.01784	.01982	-.01139	-.02439	.00131	.00007	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00108**	**.00797**	**-.00005**	**.01883**	**.00043**
Stddev	.00008	.00169	.00150	.00005	.00112	.00113
%RSD	63.535	156.97	18.768	108.08	5.9414	261.64
#1	-.00007	.00012	.00902	-.00001	.01804	.00123
#2	-.00018	-.00227	.00691	-.00009	.01962	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.4**	**64443.**	**6198.2**
Stddev	5.2	718.	237.6
%RSD	.12887	1.1140	3.8337
#1	4059.7	64951.	6366.2
#2	4067.1	63935.	6030.2

Sample Name: CRI-1352037 Acquired: 4/10/2012 10:14:16 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00028**	**.00200**	**-.00039**	**.00018**	**.00005**	**-.00225**	**-.00056**	**.00026**	**-.00010**
Stddev	.00007	.00004	.00247	.00023	.00016	.00000	.00036	.00145	.00008	.00011
%RSD	54.536	12.842	123.43	58.543	85.544	10.749	16.129	261.12	33.248	109.35
#1	-.00007	.00031	.00025	-.00056	.00007	.00005	-.00251	.00047	.00020	-.00018
#2	-.00017	.00025	.00375	-.00023	.00030	.00004	-.00199	-.00159	.00032	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00049**	**.00068**	**-.00304**	**.00002**	**.00466**	**-.00005**	**-.00005**	**-.00126**	**-.00021**
Stddev	.00031	.00022	.00208	.01129	.00019	.00003	.00001	.00004	.00832	.00031
%RSD	2271.7	45.261	306.79	371.45	765.00	.61316	28.057	91.548	660.16	148.14
#1	-.00020	.00034	.00215	.00494	.00016	.00468	-.00004	-.00008	.00462	.00001
#2	.00023	.00065	-.00079	-.01102	-.00011	.00464	-.00006	-.00002	-.00714	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00316**	**.00007**	**.00052**	**-.00397**	**.02586**	**-.00498**	**-.01067**	**.00148**	**.00004**	**-.00066**
Stddev	.00179	.00109	.00141	.00306	.00324	.00104	.00222	.00025	.00001	.00045
%RSD	56.505	1452.9	273.20	77.215	12.533	20.802	20.802	16.800	27.668	67.797
#1	-.00190	.00084	.00152	-.00614	.02357	-.00572	-.01223	.00130	.00004	-.00034
#2	-.00442	-.00069	-.00048	-.00180	.02815	-.00425	-.00910	.00165	.00003	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00096**	**.03319**	**.00032**	**-.00017**	**.00083**
Stddev	.00014	.00125	.01848	.00010	.00023	.00084
%RSD	91.993	130.02	55.679	30.267	138.98	100.99
#1	.00005	-.00008	.04626	.00038	.00000	.00142
#2	.00025	-.00185	.02012	.00025	-.00033	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4022.1**	**63826.**	**6336.1**
Stddev	24.2	291.	14.0
%RSD	.60115	.45530	.22074
#1	4005.0	63620.	6326.2
#2	4039.2	64031.	6346.0

Sample Name: X Acquired: 4/10/2012 10:18:53 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**505.38**	**.00106**	**-.00269**	**.00062**	**.00001**	**-.00049**	**457.93**	**.00040**	**-.00039**	W **.00306**	W **.00463**
Stddev	.00027	.61	.00521	.00044	.00004	.00003	.00229	1.29	.00008	.00017	.00019	.00019
%RSD	696.16	.12077	489.74	16.460	5.9592	223.03	467.90	.28182	20.334	43.413	6.1658	4.1834
#1	.00015	504.95	-.00262	-.00300	.00065	.00003	-.00211	457.02	.00045	-.00027	.00293	.00476
#2	-.00023	505.81	.00475	-.00238	.00060	-.00001	.00113	458.85	.00034	-.00051	.00319	.00449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit											.00133	.00272
Low Limit											-.00133	-.00272

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**189.53**	**.15788**	**.00319**	**503.78**	**-.00043**	**-.00276**	**.09255**	**-.00217**	**-.00470**	**.00387**	**.01281**	**-.00377**
Stddev	.50	.05294	.00056	3.42	.00005	.00010	.01288	.00003	.00101	.00124	.00350	.00122
%RSD	.26404	33.533	17.576	.67937	12.734	3.5762	13.920	1.4279	21.546	31.905	27.356	32.392
#1	189.18	.12045	.00280	501.36	-.00046	-.00269	.08344	-.00215	-.00398	.00475	.01528	-.00464
#2	189.89	.19532	.00359	506.20	-.00039	-.00283	.10166	-.00219	-.00541	.00300	.01033	-.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01235**	**.00014**	**.00029**	**.00036**	W **.00185**	**.00319**	**.00039**	**.00378**	**.04251**	**.00140**	**.00187**	**-.00170**
Stddev	.00486	.00986	.02111	.00004	.00004	.00158	.00001	.00111	.02539	.00017	.00031	.00135
%RSD	39.360	7271.2	7271.2	12.113	2.3303	49.514	2.3264	29.477	59.732	12.515	16.352	79.509
#1	.01579	-.00684	-.01464	.00033	.00182	.00431	.00039	.00299	.02455	.00127	.00165	-.00266
#2	.00891	.00711	.01522	.00039	.00188	.00207	.00038	.00456	.06046	.00152	.00208	-.00074
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00972				.00050							
Low Limit	-.00972				-.00050							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3603.7**	**54353.**	**6223.4**
Stddev	52.5	81.	21.1
%RSD	1.4581	.14837	.33948
#1	3566.5	54296.	6238.3
#2	3640.8	54410.	6208.4

Sample Name: ICSAB-1341784 Acquired: 4/10/2012 10:21:27 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1061**	**504.85**	**2.0551**	**1.9778**	**.48668**	**.46870**	**1.0425**	**446.58**	**1.0449**	**.46691**	**.48651**	**.53364**	**188.78**	**51.108**
Stddev	.0020	9.04	.0248	.0240	.00907	.00946	.0110	4.17	.0148	.00585	.00670	.00095	3.04	.828
%RSD	.18370	1.7902	1.2065	1.2159	1.8644	2.0180	1.0579	.93413	1.4136	1.2535	1.3776	.17737	1.6112	1.6196
#1	1.1075	498.46	2.0726	1.9948	.48026	.46201	1.0503	443.63	1.0553	.47105	.49125	.53431	186.63	50.522
#2	1.1046	511.24	2.0375	1.9608	.49309	.47539	1.0347	449.53	1.0344	.46277	.48178	.53297	190.94	51.693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0201**	**504.25**	**.49880**	**.94315**	**52.045**	**.91954**	**2.0033**	**.93953**	**.99948**	**1.0033**	**5.0790**	**9.9630**	**21.321**	**9.0630**
Stddev	.0259	5.45	.00106	.01313	1.072	.01166	.0400	.01094	.01182	.0177	.0779	.2214	.474	.1243
%RSD	2.5339	1.0814	.21335	1.3917	2.0605	1.2677	1.9968	1.1649	1.1827	1.7672	1.5330	2.2224	2.2224	1.3716
#1	1.0018	500.39	.49805	.95243	51.287	.92778	2.0315	.94726	1.0078	1.0159	5.1340	9.8064	20.986	9.1509
#2	1.0383	508.11	.49956	.93387	52.803	.91130	1.9750	.93179	.99112	.99079	5.0239	10.120	21.656	8.9751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96680**	**2.0105**	**.98153**	**8.5421**	**.04233**	**.49674**	**.98039**	**.94907**
Stddev	.01822	.0070	.00185	.1114	.00935	.00271	.00819	.02371
%RSD	1.8845	.34852	.18806	1.3042	22.096	.54568	.83568	2.4979
#1	.95391	2.0056	.98023	8.6209	.03571	.49482	.97460	.93231
#2	.97968	2.0155	.98284	8.4634	.04894	.49865	.98618	.96583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3582.9**	**54557.**	**6319.6**
Stddev	36.7	236.	59.9
%RSD	1.0234	.43218	.94811
#1	3557.0	54724.	6362.0
#2	3608.8	54391.	6277.2

Sample Name: ICSA-1333972 Acquired: 4/10/2012 10:29:52 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**499.39**	**-.00264**	**-.00257**	**.00065**	**-.00002**	**-.00001**	W **443.46**	**.00033**	**-.00045**	W **.00329**	W **.00484**
Stddev	.00021	2.78	.00626	.00015	.00023	.00002	.00110	.29	.00001	.00014	.00055	.00018
%RSD	55.059	.55591	237.51	5.9986	35.020	112.35	10288.	.06455	3.9420	32.096	16.615	3.7616
#1	.00024	501.35	.00179	-.00247	.00049	.00000	-.00079	443.67	.00032	-.00055	.00368	.00471
#2	.00054	497.42	-.00707	-.00268	.00081	-.00004	.00076	443.26	.00033	-.00035	.00291	.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit								550.00			.00133	.00272
Low Limit								450.00			-.00133	-.00272

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**187.19**	**.08295**	**.00406**	**484.86**	**-.00039**	**-.00311**	**.10380**	**-.00214**	**-.00700**	**.00445**	**.01052**	**-.00142**
Stddev	.83	.02859	.00025	8.48	.00008	.00024	.01296	.00066	.00108	.00047	.00718	.00287
%RSD	.44305	34.470	6.0553	1.7486	19.587	7.5842	12.486	30.833	15.400	10.588	68.271	201.95
#1	187.78	.10317	.00388	478.87	-.00045	-.00294	.09463	-.00261	-.00624	.00411	.01560	.00061
#2	186.61	.06273	.00423	490.86	-.00034	-.00327	.11296	-.00167	-.00777	.00478	.00544	-.00345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00549**	**-.01437**	**-.03075**	**.00137**	W **.00181**	**.00193**	**.00032**	**.00026**	**.03819**	**.00171**	**.00139**	**-.00102**
Stddev	.00023	.01431	.03062	.00150	.00003	.00318	.00000	.00076	.02026	.00011	.00117	.00074
%RSD	4.2409	99.582	99.582	109.95	1.8280	164.52	.15524	296.08	53.042	6.3912	84.334	72.231
#1	.00565	-.00425	-.00910	.00243	.00183	-.00032	.00031	-.00028	.05251	.00178	.00056	-.00154
#2	.00533	-.02449	-.05240	.00030	.00178	.00418	.00032	.00080	.02386	.00163	.00221	-.00050
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00050							
Low Limit					-.00050							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3566.8**	**54402.**	**6269.9**
Stddev	3.3	396.	27.0
%RSD	.09147	.72838	.43033
#1	3569.1	54683.	6250.8
#2	3564.5	54122.	6289.0

Sample Name: LRA-1341785 Acquired: 4/10/2012 10:36:03 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0431**	**.04482**	**10.472**	**10.234**	**11.623**	**.00039**	**-.00623**	**.00280**	**2.0958**	**5.0750**	**10.013**	**10.277**	**501.94**
Stddev	.0230	.01025	.042	.004	.255	.00002	.00201	.00182	.0030	.0169	.045	.108	5.33
%RSD	1.1246	22.863	.40318	.03924	2.1946	4.1417	32.269	65.013	.14339	.33305	.45365	1.0555	1.0615
#1	2.0268	.05207	10.502	10.237	11.442	.00038	-.00766	.00151	2.0979	5.0870	10.045	10.200	498.18
#2	2.0593	.03758	10.442	10.231	11.803	.00040	-.00481	.00409	2.0936	5.0631	9.9806	10.354	505.71
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.08156**	**.00056**	**-.07357**	**9.8509**	**4.9631**	**-.01672**	**10.187**	**.00472**	**10.689**	**-.00278**	**-.14707**	**5.2314**	**48.093**
Stddev	.00765	.00023	.00590	.1639	.0178	.01187	.037	.00264	.025	.00141	.00067	.0079	.725
%RSD	9.3837	40.940	8.0196	1.6642	.35828	70.984	.36692	55.949	.23682	50.602	.45631	.15184	1.5075
#1	-.08697	.00072	-.07774	9.7350	4.9756	-.00833	10.213	.00285	10.707	-.00179	-.14660	5.2370	47.581
#2	-.07615	.00040	-.06940	9.9668	4.9505	-.02511	10.160	.00659	10.671	-.00378	-.14755	5.2258	48.606
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.92**	**.00364**	**9.8859**	**.01177**	**9.8220**	**5.2329**	**.06772**	**9.8434**	**9.7675**	**-.00341**
Stddev	1.55	.00017	.0394	.00242	.1097	.0024	.00599	.1014	.0958	.00035
%RSD	1.5075	4.5811	.39875	20.576	1.1165	.04655	8.8482	1.0301	.98089	10.381
#1	101.82	.00352	9.8580	.01348	9.7444	5.2346	.06348	9.7717	9.6998	-.00366
#2	104.02	.00376	9.9138	.01005	9.8995	5.2312	.07196	9.9151	9.8353	-.00316
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3898.1**	**62208.**	**6415.9**
Stddev	1.4	358.	70.8
%RSD	.03512	.57615	1.1035
#1	3899.1	62461.	6466.0
#2	3897.2	61955.	6365.9

Sample Name: CCVH-1351956 Acquired: 4/10/2012 10:38:44 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**50.443**	**.00068**	**.01157**	**.00070**	**.00004**	**1.0474**	**-.01059**	**.00005**	**.00032**	**.00033**	**.00738**	**50.204**
Stddev	.00082	.350	.00136	.00154	.00043	.00009	.0022	.00077	.00019	.00014	.00000	.00097	.221
%RSD	38.030	.69414	199.99	13.329	61.911	222.21	.20504	7.2940	398.70	44.013	.43588	13.116	.43983
#1	.00158	50.195	-.00028	.01266	.00101	-.00002	1.0459	-.01005	-.00009	.00042	.00034	.00670	50.048
#2	.00274	50.690	.00164	.01048	.00039	.00010	1.0489	-.01114	.00018	.00022	.00033	.00806	50.360
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02896**	**.00138**	**.02157**	**-.00002**	**.00733**	**256.60**	**.00179**	**.00230**	**-.00066**	**5.0962**	**-.00389**	**.00018**	**.05086**
Stddev	.02777	.00158	.00027	.00006	.00394	2.52	.00009	.00061	.00045	.0166	.00076	.00445	.00110
%RSD	95.875	114.89	1.2419	290.58	53.738	.98189	4.7736	26.447	68.340	.32626	19.509	2411.7	2.1717
#1	-.04859	.00026	.02138	-.00006	.00455	254.82	.00173	.00187	-.00098	5.0845	-.00443	-.00296	.05164
#2	-.00933	.00249	.02176	.00002	.01012	258.39	.00185	.00273	-.00034	5.1080	-.00336	.00333	.05008
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10884**	**.00338**	**.00073**	**4.8270**	**.00230**	**.00211**	**9.6845**	**.00353**	**.00142**	**.02503**
Stddev	.00236	.00022	.00044	.2655	.00110	.00141	.5085	.00027	.00011	.00960
%RSD	2.1717	6.5559	59.856	5.4995	47.977	67.182	5.2510	7.7674	7.8055	38.336
#1	.11051	.00322	.00104	4.6393	.00307	.00111	9.3249	.00334	.00134	.03182
#2	.10717	.00353	.00042	5.0147	.00152	.00311	10.044	.00373	.00150	.01825
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3907.9**	**61960.**	**6404.8**
Stddev	2.5	2450.	79.7
%RSD	.06509	3.9534	1.2450
#1	3909.7	63692.	6461.2
#2	3906.1	60227.	6348.4

Sample Name: CCV-1351954 Acquired: 4/10/2012 10:41:04 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51200**	**.52298**	**1.0206**	**.52502**	**.49671**	**.49172**	**-.00203**	**4.9362**	**.51169**	**.51032**	**.50542**	**.50547**	**2.4658**
Stddev	.00362	.00119	.0017	.00125	.00706	.00717	.00118	.0680	.00115	.00131	.00031	.00384	.0308
%RSD	.70701	.22814	.17049	.23770	1.4205	1.4581	58.214	1.3777	.22424	.25733	.06155	.75929	1.2505
#1	.51456	.52214	1.0193	.52591	.50170	.49679	-.00286	4.9843	.51250	.51125	.50564	.50818	2.4877
#2	.50944	.52382	1.0218	.52414	.49172	.48665	-.00119	4.8882	.51088	.50939	.50520	.50275	2.4440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.828**	**1.0006**	**20.294**	**.50238**	**.50274**	**4.9821**	**.50983**	**1.0214**	**1.0320**	**.00504**	**1.0239**	**1.0326**	**4.9176**
Stddev	.662	.0133	.093	.00199	.00192	.0814	.00168	.0103	.0032	.00113	.0063	.0008	.0267
%RSD	1.3295	1.3240	.45809	.39660	.38190	1.6331	.33001	1.0109	.31344	22.504	.61901	.08041	.54263
#1	50.297	1.0100	20.360	.50379	.50410	5.0397	.51102	1.0287	1.0343	.00424	1.0283	1.0331	4.9364
#2	49.360	.99127	20.228	.50097	.50139	4.9246	.50864	1.0141	1.0298	.00584	1.0194	1.0320	4.8987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.524**	**1.0188**	**.49499**	**-.00249**	**.49984**	**1.0489**	**.01207**	**.49807**	**.50382**	**.48731**
Stddev	.057	.0006	.00744	.00044	.00261	.0003	.00029	.00281	.00130	.00806
%RSD	.54263	.05364	1.5038	17.686	.52269	.03115	2.4079	.56321	.25736	1.6550
#1	10.564	1.0192	.50025	-.00280	.50169	1.0491	.01227	.50005	.50473	.49301
#2	10.483	1.0184	.48973	-.00218	.49799	1.0486	.01186	.49608	.50290	.48161
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4008.7**	**62949.**	**6416.6**
Stddev	6.0	355.	19.7
%RSD	.15065	.56427	.30707
#1	4004.4	62698.	6402.7
#2	4013.0	63200.	6430.5

Sample Name: CCB Acquired: 4/10/2012 10:43:16 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00007**	**.00228**	**.00355**	**.00018**	**.00001**	**-.00235**	**.00200**	**.00003**	**.00012**	**-.00016**	**.00027**	**.00264**
Stddev	.00015	.00006	.00015	.00028	.00010	.00002	.00036	.00217	.00007	.00010	.00032	.00045	.00015
%RSD	99.102	87.988	6.6040	7.8820	54.070	212.21	15.128	108.59	231.90	87.431	206.27	163.74	5.7797
#1	-.00005	.00011	.00239	.00375	.00011	.00002	-.00210	.00046	-.00002	.00019	-.00038	-.00004	.00275
#2	-.00026	.00003	.00218	.00335	.00025	.00000	-.00261	.00354	.00008	.00005	.00007	.00059	.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00864**	**.00131**	**.00191**	**.00002**	**.00165**	**-.01538**	**-.00031**	**.00004**	**.00114**	**.00049**	**.00037**	**.00255**	**.00660**
Stddev	.02254	.00002	.00282	.00002	.00088	.01356	.00014	.00055	.00055	.00414	.00127	.00209	.01199
%RSD	260.95	1.1550	147.94	105.05	53.327	88.157	44.990	1440.9	48.452	849.70	339.04	81.812	181.76
#1	-.00730	.00130	.00390	.00000	.00103	-.00579	-.00021	-.00035	.00075	-.00244	-.00052	.00403	-.00188
#2	.02457	.00132	-.00009	.00003	.00227	-.02498	-.00041	.00043	.00153	.00342	.00127	.00107	.01507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01412**	**.00032**	**.00001**	**-.00053**	**.00009**	**-.00042**	**.02139**	**.00040**	**.00145**	**.00083**
Stddev	.02566	.00001	.00001	.00078	.00020	.00133	.00044	.00004	.00062	.00098
%RSD	181.76	1.7444	49.474	148.15	226.05	315.58	2.0491	8.6871	42.925	118.82
#1	-.00403	.00031	.00001	.00003	-.00005	.00052	.02170	.00038	.00101	.00152
#2	.03226	.00032	.00002	-.00108	.00023	-.00136	.02108	.00043	.00189	.00013
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.8**	**63799.**	**6297.7**
Stddev	14.4	223.	88.8
%RSD	.35724	.35017	1.4095
#1	4034.0	63641.	6360.5
#2	4013.6	63957.	6234.9

Sample Name: CCVL-1351959 Acquired: 4/10/2012 10:45:42 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.10822**	**.01618**	**.09925**	**.01038**	**.00095**	**.10950**	**.19838**	**.00535**	**.01056**	**.01019**	**.01532**	**.10047**	**3.0726**
Stddev	.00014	.00089	.00286	.00109	.00001	.00012	.00080	.00060	.00019	.00002	.00007	.00023	.00146	.0628
%RSD	1.3537	.82435	17.678	1.0960	.05355	12.469	.73048	.30202	3.4738	.21084	.71314	1.5086	1.4519	2.0452
#1	.01053	.10759	.01820	.09848	.01038	.00086	.10894	.19880	.00522	.01058	.01024	.01516	.09944	3.0281
#2	.01033	.10885	.01416	.10002	.01037	.00103	.11007	.19795	.00548	.01055	.01014	.01549	.10150	3.1170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01180**	**.20772**	**.01041**	**.01991**	**1.0411**	**.04163**	**2.8420**	**.01022**	**.00310**	**.00863**	**.01153**	**.47254**	**1.0112**	**.10207**
Stddev	.00023	.00515	.00025	.00032	.0342	.00025	.0028	.00135	.00104	.00077	.00516	.00589	.0126	.00025
%RSD	1.9209	2.4790	2.3958	1.6165	3.2827	.59291	.09835	13.201	33.695	8.9308	44.723	1.2463	1.2463	.24666
#1	.01164	.20408	.01023	.01969	1.0169	.04180	2.8400	.01117	.00236	.00808	.01518	.46838	1.0023	.10225
#2	.01196	.21136	.01059	.02014	1.0653	.04145	2.8439	.00926	.00383	.00917	.00789	.47671	1.0202	.10189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	**.01442**	**.00961**	**.01483**	**.07604**	**.00958**	**.02139**	**.01551**
Stddev	.00024	.00143	.00005	.00037	.00475	.00003	.00088	.00098
%RSD	2.3016	9.9385	.53524	2.5016	6.2490	.31841	4.1115	6.2917
#1	.01005	.01544	.00965	.01509	.07268	.00961	.02077	.01482
#2	.01039	.01341	.00958	.01457	.07940	.00956	.02201	.01620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4085.9**	**64837.**	**6390.2**
Stddev	7.7	501.	39.5
%RSD	.18889	.77248	.61807
#1	4091.4	65191.	6418.2
#2	4080.5	64483.	6362.3

Sample Name: mb 280-114417/1-a Acquired: 4/10/2012 10:48:32 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00543**	**.00119**	**.00194**	**.00027**	**-.00002**	**-.00194**	**.03906**	**.00014**	**.00010**
Stddev	.00001	.00012	.00150	.00028	.00005	.00001	.00138	.00020	.00020	.00008
%RSD	10.934	2.1906	126.02	14.258	18.049	61.838	70.956	.51073	146.72	85.120
#1	.00011	.00551	.00225	.00213	.00030	-.00003	-.00097	.03892	.00028	.00004
#2	.00010	.00535	.00013	.00174	.00023	-.00001	-.00292	.03920	-.00001	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00066**	**.02121**	**-.02293**	**.00073**	**.00646**	**.00083**	**.00004**	**.19147**	**.00067**
Stddev	.00007	.00048	.00124	.01217	.00033	.00074	.00001	.00007	.00820	.00008
%RSD	14.987	73.202	5.8504	53.048	44.495	11.531	1.3402	185.96	4.2838	11.799
#1	.00054	.00100	.02033	-.03154	.00050	.00593	.00083	.00008	.18567	.00073
#2	.00044	.00032	.02208	-.01433	.00096	.00698	.00082	-.00001	.19727	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00275**	**.00077**	F **.02912**	**-.00241**	**.00000**	W **.00786**	**.01683**	**.00682**	**.00010**	**-.00091**
Stddev	.00214	.00134	.00147	.00178	.00333	.00494	.01056	.00037	.00005	.00060
%RSD	77.582	175.39	5.0571	73.734	157190.	62.765	62.765	5.3687	47.368	66.125
#1	.00426	.00172	.02808	-.00367	-.00235	.00437	.00936	.00708	.00013	-.00048
#2	.00124	-.00018	.03016	-.00115	.00235	.01136	.02430	.00656	.00007	-.00134
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00059**	**-.00349**	**.00021**	**.00227**	**.00006**
Stddev	.00026	.00002	.00139	.00012	.00007	.00043
%RSD	42.139	3.9340	39.834	55.145	3.1520	734.43
#1	.00044	-.00057	-.00447	.00030	.00232	-.00024
#2	.00081	-.00060	-.00251	.00013	.00222	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.6**	**65649.**	**6460.4**
Stddev	7.4	314.	33.3
%RSD	.17954	.47874	.51511
#1	4138.8	65427.	6484.0
#2	4128.3	65872.	6436.9

Sample Name: lcs 280-114417/2-a Acquired: 4/10/2012 10:50:58 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05461**	**1.9793**	**1.0501**	**1.0238**	**2.0510**	**.05092**	**2.1748**	**50.184**	**.10577**	**.51031**
Stddev	.00022	.0047	.0053	.0020	.0091	.00012	.0010	.108	.00031	.00045
%RSD	.39798	.23995	.50909	.19291	.44352	.22807	.04621	.21460	.29047	.08817
#1	.05476	1.9759	1.0463	1.0224	2.0446	.05084	2.1756	50.108	.10598	.51063
#2	.05445	1.9826	1.0539	1.0252	2.0574	.05101	2.1741	50.260	.10555	.50999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20621**	**.26228**	**1.0263**	**52.142**	**1.0358**	**50.953**	**.51984**	**1.0240**	**54.433**	**.51740**
Stddev	.00014	.00009	.0022	.131	.0076	.187	.00042	.0006	.055	.00084
%RSD	.06641	.03397	.20936	.25052	.73045	.36793	.08052	.05841	.10065	.16310
#1	.20631	.26222	1.0247	52.050	1.0304	50.820	.51954	1.0244	54.471	.51800
#2	.20612	.26234	1.0278	52.234	1.0411	51.085	.52013	1.0236	54.394	.51681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.546**	**.52153**	**.04697**	**.49778**	**2.0970**	**1.6838**	F **3.6033**	**2.0544**	**1.0338**	**1.0172**
Stddev	.001	.00339	.00380	.00013	.0093	.0017	.0037	.0003	.0046	.0047
%RSD	.01346	.64937	8.0981	.02662	.44264	.10151	.10151	.01667	.44174	.46459
#1	10.547	.51913	.04966	.49768	2.1035	1.6850	3.6059	2.0542	1.0306	1.0206
#2	10.545	.52392	.04428	.49787	2.0904	1.6826	3.6007	2.0547	1.0371	1.0139
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0306**	**2.0719**	**2.1944**	**.51754**	**.50851**	**.50636**
Stddev	.0017	.0006	.0036	.00181	.00005	.00815
%RSD	.16131	.02973	.16570	.34928	.00983	1.6105
#1	1.0295	2.0715	2.1970	.51882	.50855	.50060
#2	1.0318	2.0724	2.1918	.51626	.50848	.51213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3900.9**	**61026.**	**6236.8**
Stddev	12.6	151.	40.0
%RSD	.32180	.24821	.64080
#1	3909.8	60919.	6208.6
#2	3892.0	61133.	6265.1

Sample Name: 280-27317-a-4-g Acquired: 4/10/2012 10:53:08 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**87.953**	**.02597**	**.01958**	**.88303**	**.00321**	**-.00691**	**28.509**	**.00089**	**.04935**
Stddev	.00058	.228	.00001	.00058	.00113	.00009	.00198	.108	.00000	.00028
%RSD	119.52	.25909	.04493	2.9769	.12825	2.8902	28.708	.37957	.17041	.57635
#1	.00090	88.114	.02597	.01999	.88383	.00314	-.00831	28.585	.00089	.04955
#2	.00008	87.792	.02596	.01917	.88223	.00327	-.00551	28.432	.00089	.04915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11804**	**.16768**	**143.28**	**19.845**	**.09931**	**31.720**	**2.4875**	**.00215**	**2.7486**	**.11524**
Stddev	.00033	.00017	.43	.006	.00153	.034	.0020	.00093	.0156	.00062
%RSD	.28360	.09946	.29982	.03097	1.5364	.10845	.07950	43.175	.56832	.54211
#1	.11780	.16756	143.59	19.849	.09823	31.745	2.4889	.00149	2.7596	.11568
#2	.11828	.16779	142.98	19.841	.10039	31.696	2.4861	.00281	2.7375	.11480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.7991**	**.04095**	**.69758**	**-.00320**	**.00495**	**3.2427**	**6.9393**	**.00783**	**.37283**	**.04448**
Stddev	.0084	.00014	.00325	.00162	.00317	.0570	.1219	.00133	.00114	.00089
%RSD	.17509	.33485	.46530	50.659	63.998	1.7571	1.7571	16.995	.30640	2.0043
#1	4.7931	.04085	.69987	-.00435	.00720	3.2829	7.0255	.00877	.37364	.04385
#2	4.8050	.04104	.69528	-.00206	.00271	3.2024	6.8531	.00688	.37202	.04511
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7911**	**.00141**	W **-.05033**	**.33909**	**.36569**	**.07145**
Stddev	.0003	.00037	.00130	.00126	.00098	.00110
%RSD	.00497	26.124	2.5909	.37153	.26673	1.5367
#1	6.7909	.00167	-.05125	.33998	.36638	.07223
#2	6.7914	.00115	-.04940	.33820	.36500	.07067
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4103.6**	**63683.**	**6591.5**
Stddev	25.2	97.	8.7
%RSD	.61374	.15198	.13238
#1	4085.7	63614.	6597.6
#2	4121.4	63751.	6585.3

Sample Name: 280-27317-a-4-gSD@5 Acquired: 4/10/2012 10:55:25 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**18.360**	**.00612**	**.00545**	**.18495**	**.00068**	**-.00097**	**5.9496**	**.00013**	**.01092**
Stddev	.00033	.023	.00089	.00004	.00029	.00002	.00075	.0303	.00003	.00005
%RSD	145.48	.12695	14.557	.79021	.15414	3.4190	76.919	.50875	23.736	.41653
#1	.00046	18.377	.00549	.00541	.18515	.00067	-.00044	5.9710	.00011	.01095
#2	-.00001	18.344	.00676	.00548	.18475	.00070	-.00150	5.9282	.00016	.01088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02485**	**.03526**	**28.833**	**4.1315**	**.02206**	**6.7797**	**.52511**	**-.00009**	**.54912**	**.02479**
Stddev	.00002	.00014	.101	.0001	.00091	.0095	.00062	.00020	.00086	.00015
%RSD	.08467	.39834	.35189	.00147	4.1412	.14057	.11760	207.75	.15598	.62230
#1	.02486	.03536	28.905	4.1315	.02142	6.7730	.52468	.00004	.54851	.02490
#2	.02484	.03516	28.762	4.1316	.02271	6.7865	.52555	-.00023	.54972	.02468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0015**	**.00908**	**.14925**	**-.00304**	**.00193**	**.67572**	**1.4460**	**.00144**	**.07822**	**.00949**
Stddev	.0033	.00046	.00337	.00023	.00218	.01763	.0377	.00037	.00045	.00074
%RSD	.32974	5.0937	2.2575	7.4230	113.38	2.6093	2.6093	25.595	.57200	7.7944
#1	.99916	.00940	.15164	-.00288	.00038	.68819	1.4727	.00118	.07853	.00897
#2	1.0038	.00875	.14687	-.00320	.00347	.66326	1.4194	.00170	.07790	.01001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4027**	**-.00076**	**.00752**	**.07015**	**.07819**	**.01489**
Stddev	.0002	.00118	.01293	.00045	.00058	.00020
%RSD	.01123	155.27	171.86	.64484	.74309	1.3171
#1	1.4028	-.00160	.01666	.06983	.07778	.01503
#2	1.4026	.00007	-.00162	.07047	.07860	.01475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4107.3**	**64212.**	**6484.4**
Stddev	4.3	56.	2.9
%RSD	.10377	.08735	.04535
#1	4104.3	64173.	6486.5
#2	4110.3	64252.	6482.3

Sample Name: 280-27317-a-4-h ms Acquired: 4/10/2012 10:57:46 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05452**	**107.72**	**1.0495**	**1.0025**	**2.7819**	**.05224**	F **2.1213**	**83.814**	**.10456**	**.53954**
Stddev	.00173	.45	.0075	.0036	.0152	.00007	.0013	.008	.00045	.00103
%RSD	3.1706	.41657	.71836	.36117	.54662	.12677	.05938	.00990	.43139	.19159
#1	.05330	107.40	1.0549	1.0051	2.7712	.05219	2.1222	83.808	.10488	.54027
#2	.05574	108.04	1.0442	.99996	2.7927	.05229	2.1204	83.820	.10424	.53881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32851**	**.42718**	**144.99**	**71.486**	**1.1214**	**84.645**	**3.1065**	**.97346**	**56.791**	**.60321**
Stddev	.00080	.00348	.12	.330	.0061	.576	.0224	.00221	.037	.00112
%RSD	.24425	.81377	.08426	.46148	.54746	.68031	.72018	.22731	.06583	.18641
#1	.32908	.42472	144.91	71.253	1.1171	84.238	3.0907	.97503	56.765	.60400
#2	.32794	.42964	145.08	71.720	1.1258	85.052	3.1224	.97190	56.818	.60241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.524**	**.53038**	**.67737**	**.29734**	**2.0288**	**5.3349**	**11.417**	**1.9136**	**1.3810**	**1.0529**
Stddev	.040	.00139	.00619	.00066	.0008	.0084	.018	.0054	.0091	.0107
%RSD	.27494	.26280	.91381	.22054	.04100	.15684	.15684	.28415	.66207	1.0183
#1	14.552	.53137	.68175	.29781	2.0282	5.3408	11.429	1.9174	1.3746	1.0453
#2	14.495	.52939	.67299	.29688	2.0294	5.3290	11.404	1.9097	1.3875	1.0605
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.2304**	**1.9249**	**2.0727**	**.86653**	**.85746**	**.57068**
Stddev	.0597	.0028	.0303	.00421	.00359	.00478
%RSD	.64684	.14664	1.4607	.48568	.41849	.83725
#1	9.1882	1.9229	2.0513	.86355	.85492	.56731
#2	9.2726	1.9269	2.0941	.86950	.86000	.57406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3948.0**	**61409.**	**6635.3**
Stddev	5.5	131.	9.8
%RSD	.13898	.21254	.14779
#1	3944.2	61502.	6628.3
#2	3951.9	61317.	6642.2

Sample Name: 280-27317-a-4-i msd Acquired: 4/10/2012 11:00:00 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05247**	**97.484**	**.99734**	**.96413**	**2.5973**	**.05048**	F **2.0376**	**75.189**	**.10039**	**.51191**
Stddev	.00031	.235	.00681	.00149	.0041	.00021	.0030	.113	.00015	.00031
%RSD	.59472	.24095	.68300	.15447	.15690	.40925	.14928	.15037	.14995	.06131
#1	.05225	97.650	.99252	.96519	2.6002	.05063	2.0398	75.269	.10028	.51168
#2	.05269	97.318	1.0022	.96308	2.5945	.05034	2.0355	75.109	.10049	.51213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30818**	**.39227**	**126.21**	**67.868**	**1.0743**	**75.972**	**2.6615**	**.94105**	**54.726**	**.57160**
Stddev	.00082	.00406	.14	.211	.0003	.536	.0250	.00037	.018	.00023
%RSD	.26629	1.0342	.11268	.31062	.03115	.70532	.93919	.03913	.03363	.04018
#1	.30760	.38940	126.11	68.017	1.0745	75.593	2.6439	.94131	54.740	.57144
#2	.30876	.39514	126.31	67.719	1.0740	76.351	2.6792	.94079	54.713	.57176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.727**	**.50416**	**.68472**	**.30230**	**1.9617**	**5.7011**	**12.200**	**1.8461**	**1.2763**	**1.0419**
Stddev	.027	.00065	.00153	.00016	.0032	.0332	.071	.0044	.0014	.0090
%RSD	.19776	.12853	.22392	.05144	.16338	.58309	.58309	.23752	.11081	.86570
#1	13.708	.50370	.68363	.30219	1.9640	5.6776	12.150	1.8430	1.2773	1.0355
#2	13.746	.50462	.68580	.30241	1.9595	5.7246	12.251	1.8492	1.2753	1.0483
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.8027**	**1.8723**	**2.0298**	**.79248**	**.78386**	**.54611**
Stddev	.0545	.0020	.0200	.00959	.00586	.00026
%RSD	.69838	.10881	.98675	1.2102	.74739	.04821
#1	7.7642	1.8737	2.0156	.78570	.77971	.54630
#2	7.8413	1.8708	2.0440	.79926	.78800	.54593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3999.2**	**62150.**	**6638.3**
Stddev	8.3	434.	27.2
%RSD	.20793	.69785	.41005
#1	3993.3	62457.	6619.0
#2	4005.1	61844.	6657.5

Sample Name: 280-27317-a-4-gPDS Acquired: 4/10/2012 11:02:09 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114417 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05001**	**87.535**	**.21622**	**.11840**	**.97396**	**.05015**	**-.00875**	**46.547**	**.05013**	**.09463**
Stddev	.00049	.184	.00266	.00001	.00297	.00003	.00251	.090	.00017	.00039
%RSD	.98333	.20993	1.2314	.00761	.30464	.05426	28.690	.19407	.33696	.41700
#1	.04966	87.665	.21433	.11840	.97606	.05014	-.01052	46.611	.05001	.09435
#2	.05036	87.405	.21810	.11841	.97186	.05017	-.00697	46.483	.05025	.09491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16306**	**.21523**	**141.63**	**38.977**	**.19732**	**49.734**	**2.4835**	**.05057**	**23.386**	**.15971**
Stddev	.00017	.00116	.20	.126	.00008	.613	.0251	.00108	.279	.00043
%RSD	.10237	.54014	.14095	.32369	.03867	1.2326	1.0092	2.1369	1.1924	.26736
#1	.16295	.21441	141.77	39.066	.19726	49.301	2.4658	.04981	23.584	.15940
#2	.16318	.21606	141.49	38.888	.19737	50.168	2.5013	.05134	23.189	.16001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6337**	**.13298**	**.70662**	**.09997**	**.19692**	**8.1357**	**17.410**	**.10444**	**.41989**	**.23317**
Stddev	.0138	.00102	.00070	.00418	.00138	.0016	.004	.00053	.00138	.00275
%RSD	.20865	.76973	.09932	4.1796	.69915	.02019	.02019	.50513	.32918	1.1775
#1	6.6239	.13226	.70613	.10293	.19789	8.1369	17.413	.10407	.42087	.23123
#2	6.6435	.13370	.70712	.09702	.19594	8.1346	17.408	.10482	.41892	.23512
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7104**	**.19172**	**.48024**	**.37917**	**.53981**	**.12069**
Stddev	.0522	.00254	.01361	.00474	.00823	.00251
%RSD	.77857	1.3238	2.8344	1.2510	1.5240	2.0800
#1	6.6734	.18992	.47062	.37582	.53399	.12247
#2	6.7473	.19351	.48987	.38252	.54563	.11892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4089.2**	**63548.**	**6672.1**
Stddev	13.8	331.	35.9
%RSD	.33811	.52035	.53839
#1	4099.0	63782.	6697.5
#2	4079.4	63314.	6646.7

Sample Name: CCVH-1351956 Acquired: 4/10/2012 11:04:24 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00244**	**51.277**	**-.00267**	**.00348**	**.00027**	**.00000**	**1.0269**	**-.00197**	**.00006**	**.00022**	**.00093**	**.00630**	**51.223**
Stddev	.00003	.228	.00036	.00016	.00003	.00000	.0038	.00265	.00020	.00005	.00001	.00008	.484
%RSD	1.1086	.44404	13.391	4.5812	9.4065	9.0366	.36884	134.31	328.29	20.960	1.0210	1.2272	.94561
#1	.00242	51.438	-.00241	.00336	.00029	.00000	1.0242	-.00010	-.00008	.00019	.00092	.00635	51.566
#2	.00246	51.116	-.00292	.00359	.00026	.00000	1.0296	-.00384	.00020	.00026	.00093	.00624	50.881
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04837**	**.00097**	**.02019**	**.00006**	**.00004**	**260.44**	**.00216**	**.00270**	**-.00137**	**4.9022**	**-.00326**	**-.00146**	**.02212**
Stddev	.00126	.00023	.00053	.00002	.00002	1.69	.00014	.00171	.00166	.0166	.00181	.00194	.01626
%RSD	2.6150	23.619	2.6228	38.380	41.239	.65011	6.5062	63.583	121.20	.33945	55.569	132.36	73.532
#1	.04926	.00113	.02057	.00005	.00005	261.64	.00226	.00148	-.00254	4.8904	-.00198	-.00009	.01062
#2	.04747	.00081	.01982	.00008	.00003	259.24	.00206	.00391	-.00020	4.9139	-.00454	-.00283	.03362
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04733**	**.00204**	**.00038**	**5.0196**	**.00321**	**-.00043**	**10.449**	**.00329**	**.00144**	**.01302**
Stddev	.03480	.00044	.00005	.0063	.00013	.00068	.005	.00011	.00052	.00017
%RSD	73.532	21.575	12.621	.12537	3.9081	157.40	.04765	3.4249	36.345	1.2939
#1	.02272	.00173	.00035	5.0152	.00330	-.00092	10.452	.00337	.00181	.01314
#2	.07194	.00235	.00041	5.0241	.00313	.00005	10.445	.00321	.00107	.01290
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3951.5**	**61021.**	**6337.4**
Stddev	5.0	166.	38.2
%RSD	.12571	.27173	.60337
#1	3955.0	61138.	6310.3
#2	3947.9	60904.	6364.4

Sample Name: CCV-1351954 Acquired: 4/10/2012 11:06:45 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52576**	**.53386**	**1.0393**	**.53585**	**.52062**	**.50878**	**-.00146**	**5.1253**	**.52585**	**.52001**	**.51672**	**.52146**	**2.5993**
Stddev	.00305	.00009	.0023	.00046	.00335	.00313	.00115	.0325	.00042	.00037	.00013	.00174	.0308
%RSD	.58014	.01634	.21801	.08571	.64278	.61565	78.767	.63394	.07919	.07122	.02560	.33401	1.1833
#1	.52360	.53380	1.0377	.53618	.52298	.51099	-.00227	5.1483	.52615	.52027	.51663	.52023	2.6211
#2	.52791	.53392	1.0409	.53553	.51825	.50656	-.00064	5.1024	.52556	.51975	.51682	.52269	2.5776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.319**	**1.0445**	**20.699**	**.51513**	**.51177**	**5.1967**	**.52063**	**1.0420**	**1.0499**	**.00604**	**1.0569**	**1.0754**	**5.1126**
Stddev	.426	.0073	.149	.00387	.00043	.0395	.00008	.0014	.0014	.00532	.0020	.0077	.0024
%RSD	.81495	.69624	.72203	.75130	.08306	.76088	.01580	.13382	.12963	88.099	.19024	.71715	.04775
#1	52.621	1.0496	20.593	.51240	.51207	5.2247	.52069	1.0410	1.0509	.00980	1.0554	1.0700	5.1143
#2	52.018	1.0393	20.805	.51787	.51147	5.1687	.52057	1.0430	1.0490	.00228	1.0583	1.0809	5.1109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.941**	**1.0448**	**.51737**	**-.00159**	**.50993**	**1.0803**	**.00678**	**.51086**	**.51060**	**.51088**
Stddev	.005	.0001	.00335	.00253	.00481	.0028	.02091	.00389	.00637	.00658
%RSD	.04775	.00977	.64841	159.17	.94250	.26322	308.21	.76090	1.2476	1.2875
#1	10.945	1.0448	.51974	.00020	.50653	1.0783	-.00800	.50811	.50609	.51553
#2	10.937	1.0449	.51500	-.00338	.51332	1.0823	.02157	.51361	.51510	.50623
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4046.3**	**63166.**	**6263.6**
Stddev	11.9	89.	87.4
%RSD	.29415	.14120	1.3951
#1	4054.7	63229.	6201.8
#2	4037.9	63103.	6325.4

Sample Name: CCB Acquired: 4/10/2012 11:08:57 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00053**	**.00320**	**.00163**	**.00008**	**.00000**	**-.00232**	**-.00171**	**.00006**	**-.00024**	**-.00008**	**-.00026**	**.00027**
Stddev	.00009	.00038	.00169	.00067	.00003	.0000	.00040	.00048	.00010	.00014	.00006	.00004	.00054
%RSD	14.831	71.956	52.773	40.966	31.574	98.693	17.420	28.331	167.08	57.419	67.639	15.399	201.21
#1	.00066	.00026	.00440	.00211	.00010	.00000	-.00261	-.00205	-.00001	-.00014	-.00012	-.00023	-.00011
#2	.00053	.00079	.00201	.00116	.00006	-.00001	-.00204	-.00137	.00013	-.00034	-.00004	-.00029	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01402**	**.00054**	**.00365**	**.00000**	**.00092**	**-.01282**	**-.00019**	**-.00220**	**.00123**	**.00354**	**-.00008**	**-.00265**	**.00806**
Stddev	.03646	.00096	.00009	.00002	.00048	.00320	.00007	.00286	.00003	.00252	.00365	.00059	.00096
%RSD	260.05	176.52	2.5136	391.18	51.968	24.931	33.988	129.84	2.0812	71.119	4475.8	22.175	11.855
#1	-.01176	.00122	.00371	.00002	.00058	-.01056	-.00024	-.00423	.00125	.00176	.00250	-.00223	.00873
#2	.03980	-.00014	.00358	-.00001	.00126	-.01508	-.00015	-.00018	.00121	.00532	-.00266	-.00306	.00738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01724**	**.00194**	**.00000**	**.00033**	**.00009**	**-.00102**	**.00887**	**.00044**	**.00159**	**.00024**
Stddev	.00204	.00007	.00001	.00022	.00018	.00176	.00382	.00003	.00018	.00115
%RSD	11.855	3.5047	259.24	67.734	193.41	172.31	43.098	6.9749	11.136	470.08
#1	.01869	.00199	.00000	.00049	-.00003	.00022	.00617	.00046	.00147	.00106
#2	.01580	.00189	.00001	.00017	.00022	-.00226	.01158	.00041	.00172	-.00057
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4067.0**	**64256.**	**6201.7**
Stddev	16.0	199.	47.4
%RSD	.39430	.30985	.76426
#1	4078.4	64396.	6235.2
#2	4055.7	64115.	6168.2

Sample Name: CCVL-1351959 Acquired: 4/10/2012 11:11:22 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01036**	**.10768**	**.01619**	**.09751**	**.01062**	**.00098**	**.10926**	**.20477**	**.00518**	**.01050**	**.01026**	**.01529**	**.10169**
Stddev	.00027	.00015	.00169	.00044	.00002	.00004	.00201	.00062	.00003	.00007	.00018	.00009	.00028
%RSD	2.6506	.13683	10.459	.45260	.17393	3.5674	1.8390	.30206	.66227	.65005	1.7754	.57478	.27669
#1	.01017	.10758	.01738	.09720	.01063	.00096	.10784	.20521	.00516	.01055	.01014	.01535	.10149
#2	.01056	.10779	.01499	.09782	.01061	.00101	.11068	.20434	.00521	.01046	.01039	.01523	.10189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1560**	F **.01362**	**.21316**	**.01062**	**.01992**	**1.0582**	**.04178**	**2.8301**	**.00941**	**.00105**	**.00783**	**.01674**	**.48141**
Stddev	.0512	.00103	.00021	.00003	.00005	.0060	.00018	.0044	.00023	.00048	.00079	.00259	.00863
%RSD	1.6237	7.5587	.09641	.29757	.23157	.56643	.43830	.15424	2.4221	45.883	10.046	15.457	1.7926
#1	3.1198	.01290	.21302	.01060	.01995	1.0540	.04165	2.8270	.00957	.00139	.00838	.01491	.47531
#2	3.1923	.01435	.21331	.01064	.01989	1.0624	.04191	2.8332	.00925	.00071	.00727	.01856	.48751
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0302**	**.10224**	**.01046**	**.01486**	**.01009**	**.01376**	**.07789**	**.01021**	**.02226**	**.01645**
Stddev	.0185	.00097	.00004	.00060	.00020	.00091	.01000	.00021	.00012	.00031
%RSD	1.7926	.94809	.35962	4.0719	2.0268	6.6328	12.844	2.1038	.53286	1.8631
#1	1.0172	.10293	.01044	.01528	.01024	.01441	.08496	.01006	.02218	.01624
#2	1.0433	.10156	.01049	.01443	.00995	.01312	.07081	.01036	.02235	.01667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.3**	**64438.**	**6323.5**
Stddev	5.4	341.	.5
%RSD	.13109	.52855	.00802
#1	4120.2	64197.	6323.9
#2	4112.5	64678.	6323.2

Sample Name: lb 280-114424/1-c Acquired: 4/10/2012 11:13:45 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00465**	**.00215**	W **.00747**	W **.00820**	**-.00002**	**-.00210**	W **.11624**	**.00018**	**-.00040**
Stddev	.00021	.00016	.00326	.00033	.00036	.00002	.00051	.00181	.00013	.00015
%RSD	57.554	3.4628	151.42	4.4065	4.3440	126.95	24.231	1.5565	69.680	37.800
#1	.00050	.00454	-.00015	.00724	.00846	.00000	-.00246	.11752	.00027	-.00051
#2	.00021	.00476	.00446	.00771	.00795	-.00004	-.00174	.11496	.00009	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.00500	.00500			.10000		
Low Limit				-.00500	-.00500			-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00253**	**.01666**	**.03893**	**-.00025**	**.01425**	**.00039**	**.00008**	**167.48**	**-.00004**
Stddev	.00006	.00038	.00253	.03343	.00015	.00175	.00002	.00029	.27	.00009
%RSD	20.332	14.892	15.207	85.867	58.974	12.265	4.1791	374.89	.15886	212.64
#1	.00031	.00280	.01845	.01529	-.00035	.01302	.00038	-.00013	167.67	-.00011
#2	.00023	.00226	.01487	.06256	-.00015	.01549	.00041	.00029	167.29	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00090**	F **.03065**	**-.00292**	**.00258**	**.00343**	**.00735**	**-.00027**	**.00039**	**-.00111**
Stddev	.00033	.00020	.00056	.00122	.00088	.01999	.04279	.00044	.00001	.00029
%RSD	135.27	22.234	1.8214	41.674	34.107	582.10	582.10	161.85	1.3291	25.750
#1	-.00048	.00104	.03104	-.00378	.00196	.01757	.03761	.00004	.00039	-.00091
#2	-.00001	.00076	.03025	-.00206	.00321	-.01070	-.02291	-.00059	.00039	-.00131
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00190**	**.01207**	**.00042**	**.00444**	**.00116**
Stddev	.00017	.00160	.01505	.00003	.00004	.00007
%RSD	256.26	84.185	124.72	6.4108	.91859	6.0525
#1	-.00019	-.00077	.00142	.00040	.00441	.00111
#2	.00005	-.00303	.02271	.00044	.00447	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3922.2**	**61292.**	**6324.1**
Stddev	9.0	290.	7.0
%RSD	.22848	.47313	.11095
#1	3928.5	61087.	6329.1
#2	3915.8	61497.	6319.1

Sample Name: lcs 280-114424/2-c Acquired: 4/10/2012 11:16:11 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20202**	W **.37087**	**.77575**	**.19292**	**2.2776**	**.00902**	**.39004**	**9.0355**	**.21625**	**.09154**
Stddev	.00139	.00087	.00404	.00185	.0119	.00010	.00175	.0118	.00096	.00024
%RSD	.68830	.23458	.52114	.96123	.52421	1.0900	.44979	.13045	.44425	.25871
#1	.20104	.37026	.77289	.19161	2.2860	.00909	.38880	9.0271	.21557	.09137
#2	.20301	.37149	.77861	.19423	2.2691	.00895	.39128	9.0438	.21693	.09171
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99130**	**.43914**	**.18405**	**9.4175**	**.18579**	F **8.9023**	**.09409**	**.18508**	F **172.88**	**.09293**
Stddev	.00241	.00089	.00017	.0126	.00125	.0388	.00061	.00053	.58	.00009
%RSD	.24317	.20157	.09443	.13407	.67407	.43528	.64769	.28433	.33465	.10129
#1	.98960	.43851	.18392	9.4265	.18668	8.8749	.09366	.18471	173.29	.09286
#2	.99301	.43977	.18417	9.4086	.18491	8.9297	.09452	.18545	172.47	.09299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8930**	**1.0423**	**.03086**	F **.08405**	**.58305**	F **1.8283**	F **3.9126**	**.37147**	**.18542**	**.18334**
Stddev	.0019	.0027	.00099	.00087	.00250	.0012	.0026	.00104	.00071	.00200
%RSD	.09968	.25606	3.2009	1.0344	.42849	.06600	.06600	.27948	.38465	1.0917
#1	1.8917	1.0404	.03017	.08344	.58129	1.8275	3.9108	.37074	.18592	.18475
#2	1.8943	1.0442	.03156	.08466	.58482	1.8292	3.9144	.37221	.18491	.18192
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.10800		2.3000	4.9220			
Low Limit				.08800		1.8800	4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18728**	**.36854**	**.41666**	**.09231**	**.48338**	**.09144**
Stddev	.00048	.00220	.00156	.00069	.00290	.00134
%RSD	.25718	.59652	.37472	.74613	.59980	1.4638
#1	.18694	.37009	.41556	.09182	.48133	.09239
#2	.18762	.36698	.41776	.09279	.48543	.09050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3902.9**	**60765.**	**6313.6**
Stddev	8.3	8.	15.2
%RSD	.21261	.01333	.24024
#1	3908.7	60759.	6324.3
#2	3897.0	60771.	6302.8

Sample Name: 280-27317-a-1-d Acquired: 4/10/2012 11:18:27 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.05676**	**.00321**	**.02433**	**.09211**	**-.00002**	**-.00170**	**7.5024**	**.00019**	**.00385**
Stddev	.00007	.00036	.00286	.00019	.00080	.00004	.00318	.0460	.00005	.00031
%RSD	15.640	.63960	89.033	.80142	.86367	234.78	187.43	.61308	27.457	8.0285
#1	.00041	.05701	.00119	.02446	.09154	-.00004	-.00394	7.4699	.00015	.00407
#2	.00051	.05650	.00523	.02419	.09267	.00001	.00055	7.5349	.00023	.00364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00488**	**.04147**	**.90331**	**.00045**	**1.4658**	**.54611**	**.00026**	**175.53**	**.00457**
Stddev	.00018	.00016	.00090	.00639	.00085	.0033	.00159	.00044	1.00	.00004
%RSD	36.499	3.2826	2.1603	.70772	191.71	.22380	.29173	167.84	.57169	.89330
#1	.00063	.00476	.04211	.90783	-.00016	1.4634	.54498	-.00005	174.82	.00454
#2	.00037	.00499	.04084	.89879	.00105	1.4681	.54723	.00058	176.24	.00460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09210**	**.00139**	**.14223**	**-.00227**	**.00305**	**.55159**	**1.1804**	**.00019**	**.06929**	**-.00103**
Stddev	.00108	.00156	.00527	.00017	.00155	.01748	.0374	.00030	.00039	.00027
%RSD	1.1780	111.70	3.7063	7.3998	50.916	3.1688	3.1688	156.56	.56157	26.234
#1	.09286	.00250	.13851	-.00215	.00415	.53923	1.1539	-.00002	.06901	-.00122
#2	.09133	.00029	.14596	-.00239	.00195	.56394	1.2068	.00041	.06956	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**-.00087**	**.01301**	**.00131**	**.01736**	**-.00113**
Stddev	.00013	.00000	.00086	.00045	.00011	.00048
%RSD	8.1336	.43292	6.6006	34.496	.61240	42.469
#1	.00151	-.00087	.01240	.00163	.01743	-.00147
#2	.00170	-.00087	.01361	.00099	.01728	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3916.7**	**60793.**	**6334.3**
Stddev	5.1	314.	81.1
%RSD	.12945	.51633	1.2810
#1	3913.1	61015.	6391.7
#2	3920.2	60571.	6276.9

Sample Name: 280-27317-a-2-d Acquired: 4/10/2012 11:20:51 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.08049**	**.00131**	**.02584**	**.15154**	**.00002**	**-.00186**	**13.692**	**.00076**	**.00781**
Stddev	.00017	.00072	.00573	.00061	.00125	.00007	.00001	.014	.00001	.00031
%RSD	50.739	.89334	435.82	2.3602	.82749	386.31	.27041	.10444	1.1224	4.0298
#1	.00021	.07999	-.00274	.02541	.15242	-.00003	-.00186	13.702	.00076	.00758
#2	.00045	.08100	.00537	.02627	.15065	.00006	-.00186	13.682	.00077	.00803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00532**	**.06083**	**.78041**	**.00136**	**3.2688**	**.63120**	**.00002**	**170.83**	**.00994**
Stddev	.00008	.00010	.00212	.03142	.00330	.0107	.00268	.00021	1.33	.00011
%RSD	28.383	1.8481	3.4912	4.0261	242.52	.32573	.42495	1082.8	.77762	1.1075
#1	.00022	.00525	.06233	.80263	.00369	3.2763	.63310	.00017	171.77	.00986
#2	.00034	.00539	.05933	.75819	-.00097	3.2612	.62931	-.00013	169.89	.01001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00559**	**.00197**	**.17590**	**-.00186**	**-.00209**	**.66437**	**1.4218**	**.00066**	**.08907**	**.00031**
Stddev	.00432	.00111	.00311	.00250	.00105	.00793	.0170	.00000	.00045	.00118
%RSD	77.206	56.616	1.7700	134.32	50.462	1.1941	1.1941	.11678	.50801	383.33
#1	.00254	.00276	.17810	-.00009	-.00134	.66998	1.4338	.00066	.08939	-.00053
#2	.00864	.00118	.17370	-.00363	-.00284	.65876	1.4097	.00066	.08875	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00226**	**-.00092**	**-.00301**	**.00111**	**.01604**	**.00048**
Stddev	.00040	.00090	.01937	.00027	.00001	.00197
%RSD	17.804	97.404	642.52	24.514	.07232	410.04
#1	.00198	-.00029	-.01671	.00091	.01603	.00187
#2	.00255	-.00155	.01068	.00130	.01605	-.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3928.7**	**61019.**	**6295.7**
Stddev	12.8	1.	7.6
%RSD	.32532	.00123	.12030
#1	3937.7	61019.	6290.3
#2	3919.7	61018.	6301.1

Sample Name: 280-27317-a-3-d Acquired: 4/10/2012 11:23:15 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.10868**	**-.00217**	**.03503**	**.10673**	**.00006**	**-.00051**	**7.2747**	**.00035**	**.00448**
Stddev	.00005	.00054	.00357	.00077	.00087	.00014	.00209	.0460	.00022	.00005
%RSD	17.854	.49430	165.01	2.1839	.81244	236.96	412.87	.63233	61.990	1.1162
#1	.00022	.10830	.00036	.03449	.10734	-.00004	-.00198	7.3073	.00020	.00444
#2	.00028	.10906	-.00469	.03557	.10612	.00016	.00097	7.2422	.00051	.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00636**	**.08481**	**1.0430**	**.00060**	**1.5973**	**.54911**	**-.00034**	**178.34**	**.00462**
Stddev	.00013	.00002	.00171	.0457	.00118	.0100	.00070	.00029	.75	.00023
%RSD	35.648	.31549	2.0144	4.3843	197.58	.62575	.12818	83.835	.42109	4.9981
#1	.00026	.00635	.08602	1.0107	.00143	1.6044	.54961	-.00055	178.87	.00446
#2	.00044	.00638	.08360	1.0753	-.00024	1.5902	.54862	-.00014	177.81	.00479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12857**	**.00254**	**.20414**	**-.00224**	**.00080**	**.71779**	**1.5361**	**.00146**	**.06891**	**-.00090**
Stddev	.00076	.00111	.00237	.00193	.00126	.01215	.0260	.00058	.00038	.00049
%RSD	.59095	43.758	1.1596	85.927	157.28	1.6926	1.6926	39.527	.55511	54.873
#1	.12911	.00175	.20246	-.00088	-.00009	.72638	1.5545	.00187	.06918	-.00124
#2	.12804	.00333	.20581	-.00361	.00169	.70920	1.5177	.00105	.06864	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00292**	**-.00110**	**.00903**	**.00161**	**.03702**	**.00021**
Stddev	.00039	.00145	.01007	.00023	.00073	.00069
%RSD	13.455	131.32	111.43	14.585	1.9838	331.87
#1	.00320	-.00213	.01615	.00178	.03754	-.00028
#2	.00264	-.00008	.00192	.00144	.03650	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3928.0**	**60921.**	**6277.5**
Stddev	5.7	177.	30.2
%RSD	.14623	.29033	.48123
#1	3924.0	60796.	6256.1
#2	3932.1	61046.	6298.9

Sample Name: 280-27317-a-5-f Acquired: 4/10/2012 11:25:39 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.19197**	**.00531**	**.01821**	**.08303**	**.00003**	**.00008**	**7.3751**	**.00027**	**.00308**
Stddev	.00007	.00006	.00140	.00021	.00027	.00009	.00150	.0438	.00007	.00002
%RSD	24.289	.03262	26.271	1.1498	.32477	267.71	1851.9	.59396	26.101	.61265
#1	.00026	.19201	.00630	.01835	.08283	-.00003	-.00098	7.3441	.00022	.00309
#2	.00036	.19193	.00433	.01806	.08322	.00009	.00114	7.4061	.00032	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00512**	**.13548**	**.90147**	**.00015**	**1.4907**	**.48698**	**-.00032**	**175.95**	**.00378**
Stddev	.00012	.00008	.00333	.02051	.00232	.0053	.00032	.00017	.19	.00006
%RSD	37.216	1.5996	2.4558	2.2748	1510.6	.35745	.06551	53.090	.10533	1.6264
#1	.00023	.00506	.13783	.88697	.00179	1.4869	.48720	-.00044	175.82	.00383
#2	.00040	.00517	.13313	.91597	-.00149	1.4944	.48675	-.00020	176.08	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23181**	**.00034**	**.16125**	**-.00025**	**.00185**	**.85124**	**1.8216**	**.00010**	**.06764**	**.00006**
Stddev	.00152	.00066	.00407	.00013	.00058	.01330	.0285	.00162	.00020	.00004
%RSD	.65705	195.27	2.5225	51.524	31.297	1.5623	1.5623	1567.1	.29351	58.387
#1	.23073	-.00013	.16412	-.00016	.00226	.84183	1.8015	-.00104	.06750	.00009
#2	.23289	.00081	.15837	-.00034	.00144	.86064	1.8418	.00125	.06778	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00563**	**-.00054**	**-.01213**	**.00181**	**.01647**	**.00122**
Stddev	.00012	.00020	.00284	.00026	.00038	.00214
%RSD	2.0778	36.776	23.396	14.187	2.2962	175.28
#1	.00571	-.00068	-.01012	.00163	.01620	.00273
#2	.00554	-.00040	-.01413	.00199	.01674	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3935.3**	**61001.**	**6276.9**
Stddev	5.6	28.	18.5
%RSD	.14189	.04539	.29420
#1	3939.3	60981.	6263.8
#2	3931.4	61020.	6290.0

Sample Name: 280-27317-a-5-fSD@5 Acquired: 4/10/2012 11:28:03 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.04108**	**.00006**	**.00355**	**.01661**	**.00009**	**-.00270**	**1.4834**	**.00012**	**.00053**
Stddev	.00015	.00025	.00018	.00041	.00037	.00013	.00083	.0165	.00021	.00002
%RSD	28.359	.60016	320.08	11.647	2.2296	153.79	30.706	1.1148	176.27	4.2976
#1	.00064	.04091	.00019	.00384	.01635	-.00001	-.00329	1.4717	-.00003	.00051
#2	.00043	.04126	-.00007	.00325	.01687	.00018	-.00212	1.4951	.00027	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00126**	**.02799**	**.24430**	**-.00092**	**.31164**	**.09756**	**-.00001**	**35.193**	**.00083**
Stddev	.00014	.00023	.00085	.00351	.00022	.00062	.00004	.00006	.160	.00002
%RSD	183.08	18.388	3.0356	1.4371	23.468	.19950	.04265	393.90	.45563	2.5630
#1	-.00002	.00142	.02859	.24679	-.00077	.31208	.09753	.00003	35.079	.00082
#2	.00018	.00109	.02739	.24182	-.00107	.31120	.09759	-.00006	35.306	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04420**	**.00128**	**.03525**	**-.00126**	**.00047**	**.17576**	**.37614**	**.00101**	**.01352**	**-.00112**
Stddev	.00314	.00034	.00236	.00284	.00141	.02175	.04655	.00030	.00014	.00234
%RSD	7.0924	26.606	6.6937	224.46	302.69	12.377	12.377	29.150	1.0179	208.91
#1	.04642	.00104	.03358	-.00327	-.00053	.16038	.34322	.00122	.01342	-.00278
#2	.04199	.00152	.03692	.00074	.00146	.19115	.40906	.00081	.01361	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**-.00121**	**.00558**	**.00038**	**.00487**	**.00032**
Stddev	.00041	.00061	.01706	.00019	.00009	.00149
%RSD	44.871	50.633	305.67	50.321	1.8122	467.78
#1	.00121	-.00078	.01764	.00052	.00481	-.00074
#2	.00063	-.00164	-.00648	.00025	.00493	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4054.7**	**63714.**	**6280.0**
Stddev	5.8	46.	81.3
%RSD	.14315	.07242	1.2952
#1	4050.5	63681.	6337.5
#2	4058.8	63746.	6222.5

Sample Name: 280-27317-a-5-g ms Acquired: 4/10/2012 11:30:27 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21089	.57983	.79554	.20906	2.4314	.00940	F .39760	16.058	.22311	.09733
Stddev	.00005	.00083	.00066	.00155	.0670	.00021	.00041	.430	.00087	.00019
%RSD	.02434	.14372	.08338	.74147	2.7554	2.2298	.10292	2.6796	.39095	.19611
#1	.21085	.58042	.79601	.20797	2.3840	.00925	.39731	15.754	.22249	.09747
#2	.21093	.57924	.79507	.21016	2.4787	.00954	.39789	16.363	.22373	.09720
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0251	.46029	.32782	10.576	.19013	10.659	.57037	.19144	176.85	.09944
Stddev	.0009	.00047	.00872	.297	.00428	.023	.00072	.00066	5.13	.00080
%RSD	.08656	.10274	2.6610	2.8047	2.2509	.21736	.12581	.34374	2.9006	.80412
#1	1.0245	.46062	.32166	10.367	.18710	10.642	.56986	.19098	173.23	.09887
#2	1.0258	.45995	.33399	10.786	.19316	10.675	.57088	.19191	180.48	.10000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1790	1.0591	.16418	.08688	.60663	2.7022	5.7828	.38283	.25558	.19145
Stddev	.0071	.0043	.00050	.00053	.00237	.0874	.1870	.00210	.00670	.00096
%RSD	.32743	.41036	.30271	.60709	.39020	3.2345	3.2345	.54908	2.6229	.50151
#1	2.1740	1.0561	.16383	.08651	.60496	2.6404	5.6505	.38135	.25084	.19213
#2	2.1841	1.0622	.16453	.08726	.60831	2.7640	5.9150	.38432	.26032	.19077
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19784	.37961	.42413	.09782	.50858	.09289
Stddev	.00010	.00266	.01948	.00027	.00237	.00441
%RSD	.04985	.69976	4.5940	.27228	.46643	4.7476
#1	.19777	.37773	.43791	.09763	.50691	.08977
#2	.19791	.38149	.41035	.09801	.51026	.09601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3931.7	60608.	6383.1
Stddev	18.7	217.	131.8
%RSD	.47559	.35875	2.0642
#1	3944.9	60762.	6476.2
#2	3918.5	60454.	6289.9

Sample Name: 280-27317-a-5-h msd Acquired: 4/10/2012 11:32:43 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20613	.55876	.78373	.20387	2.3999	.00923	F .39043	15.860	.21893	.09520
Stddev	.00041	.00196	.00647	.00101	.0090	.00001	.00171	.048	.00029	.00039
%RSD	.19826	.35018	.82591	.49482	.37637	.06981	.43800	.30057	.13403	.40976
#1	.20584	.55738	.78831	.20316	2.3935	.00922	.38922	15.826	.21914	.09492
#2	.20642	.56015	.77916	.20458	2.4063	.00923	.39164	15.894	.21873	.09547
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0043	.44864	.31791	10.440	.18817	10.383	.55673	.18812	174.48	.09700
Stddev	.0020	.00062	.00178	.026	.00043	.002	.00026	.00011	.95	.00055
%RSD	.19892	.13888	.56143	.24828	.22955	.02397	.04699	.05911	.54210	.56804
#1	1.0028	.44908	.31665	10.422	.18786	10.385	.55692	.18804	173.81	.09661
#2	1.0057	.44820	.31917	10.459	.18847	10.381	.55655	.18819	175.15	.09739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1265	1.0381	.15809	.08569	.59839	2.6507	5.6725	.37448	.25204	.18669
Stddev	.0012	.0009	.00042	.00017	.00835	.0162	.0346	.00199	.00139	.00152
%RSD	.05629	.08720	.26490	.20178	1.3960	.60965	.60965	.53222	.55136	.81516
#1	2.1274	1.0375	.15780	.08556	.59248	2.6393	5.6480	.37588	.25106	.18562
#2	2.1257	1.0388	.15839	.08581	.60430	2.6621	5.6970	.37307	.25302	.18777
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19322	.37481	.42249	.09550	.49396	.09270
Stddev	.00045	.00415	.00637	.00086	.00253	.00177
%RSD	.23537	1.1061	1.5083	.90401	.51287	1.9122
#1	.19290	.37188	.42699	.09611	.49575	.09395
#2	.19354	.37774	.41798	.09489	.49216	.09145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3923.3	60934.	6344.4
Stddev	9.4	203.	9.1
%RSD	.23870	.33243	.14386
#1	3929.9	61077.	6337.9
#2	3916.7	60791.	6350.9

Sample Name: 280-27317-a-5-fPDS Acquired: 4/10/2012 11:34:59 Type: Unk
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114526 TCLP 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05395**	**1.1678**	**.21436**	**.12418**	**.18541**	**.05101**	**-.00353**	**27.177**	**.05305**	**.05360**
Stddev	.00096	.0034	.00108	.00027	.00079	.00006	.00129	.167	.00032	.00012
%RSD	1.7852	.28644	.50486	.22107	.42636	.11182	36.387	.61318	.61182	.22544
#1	.05463	1.1702	.21359	.12438	.18485	.05097	-.00444	27.059	.05328	.05368
#2	.05327	1.1655	.21512	.12399	.18597	.05105	-.00262	27.294	.05282	.05351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05151**	**.05740**	**1.1670**	**22.001**	**.10573**	**20.965**	**.52517**	**.05234**	**193.65**	**.05479**
Stddev	.00009	.00058	.0061	.016	.00009	.117	.00220	.00025	1.02	.00020
%RSD	.16874	1.0130	.52266	.07428	.08354	.55715	.41888	.47141	.52554	.35651
#1	.05157	.05781	1.1627	21.989	.10579	21.048	.52673	.05216	192.93	.05493
#2	.05145	.05699	1.1713	22.012	.10567	20.883	.52362	.05251	194.37	.05466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3326**	**.10124**	**.16871**	**.10375**	**.21462**	**5.9880**	**12.814**	**.10485**	**.11963**	**.20545**
Stddev	.0032	.00143	.00260	.00000	.00251	.0789	.169	.00045	.00017	.00021
%RSD	.13885	1.4146	1.5414	.00259	1.1684	1.3179	1.3179	.42804	.14263	.10436
#1	2.3303	.10225	.17055	.10375	.21639	5.9322	12.695	.10517	.11951	.20530
#2	2.3349	.10023	.16687	.10375	.21284	6.0438	12.934	.10453	.11975	.20560
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05863**	**.20062**	**.53719**	**.05381**	**.21988**	**.05329**
Stddev	.00007	.00026	.00658	.00049	.00066	.00017
%RSD	.11229	.12817	1.2243	.91911	.29912	.31692
#1	.05858	.20044	.53254	.05346	.22035	.05341
#2	.05868	.20080	.54184	.05416	.21942	.05317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3908.5**	**60723.**	**6321.1**
Stddev	.5	3.	14.0
%RSD	.01196	.00539	.22120
#1	3908.2	60725.	6331.0
#2	3908.9	60720.	6311.2

Sample Name: CCVH-1351956 Acquired: 4/10/2012 11:37:18 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**50.980**	**.00058**	**.00142**	**.00044**	**-.00001**	**1.0407**	**-.00354**	**-.00006**	**.00022**	**.00026**	**.00625**
Stddev	.00014	.073	.00639	.00029	.00010	.00003	.0042	.00284	.00005	.00057	.00001	.00022
%RSD	6.5074	.14276	1105.2	20.647	22.078	440.42	.40085	80.247	82.669	253.50	2.1815	3.5631
#1	.00223	50.929	.00509	.00163	.00050	.00001	1.0436	-.00153	-.00002	-.00018	.00026	.00641
#2	.00203	51.032	-.00394	.00122	.00037	-.00003	1.0377	-.00555	-.00009	.00062	.00025	.00609
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.158**	**.08851**	**.00094**	**.02773**	**.00030**	**-.00080**	**260.71**	**.00154**	**.00209**	**-.00287**	**5.0606**	**-.00450**
Stddev	.028	.00630	.00047	.01134	.00031	.00004	.32	.00056	.00082	.00048	.0048	.00081
%RSD	.05400	7.1157	49.656	40.901	102.57	4.9895	.12426	36.308	39.219	16.806	.09519	17.934
#1	51.178	.09296	.00061	.03575	.00052	-.00078	260.94	.00115	.00151	-.00321	5.0640	-.00507
#2	51.139	.08405	.00127	.01971	.00008	-.00083	260.48	.00194	.00267	-.00253	5.0571	-.00393
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00544**	**.01928**	**.04127**	**.00252**	**.00037**	W **5.2790**	**.00135**	**-.00058**	**10.489**	**.00240**	**.00146**	**-.00226**
Stddev	.00627	.01044	.02235	.00039	.00009	.3887	.00010	.00116	.687	.00056	.00031	.02343
%RSD	115.17	54.151	54.151	15.389	23.301	7.3640	7.2041	198.83	6.5493	23.408	21.388	1038.9
#1	-.00101	.01190	.02546	.00225	.00043	5.5539	.00142	.00024	10.975	.00279	.00169	-.01883
#2	-.00987	.02667	.05707	.00280	.00031	5.0041	.00128	-.00140	10.003	.00200	.00124	.01432
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3975.7**	**59135.**	**6386.1**
Stddev	4.6	3474.	13.6
%RSD	.11522	5.8741	.21270
#1	3978.9	56679.	6376.5
#2	3972.5	61591.	6395.7

Sample Name: CCV-1351954 Acquired: 4/10/2012 11:39:38 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52645**	**.52151**	**1.0071**	**.51897**	**.51633**	**.50112**	**-.00223**	**5.0354**	**.51944**	**.51345**	**.51138**	**.52267**	**2.5880**
Stddev	.00360	.00349	.0113	.00185	.00243	.00280	.00070	.0237	.00401	.00397	.00385	.00332	.0101
%RSD	.68300	.66892	1.1213	.35688	.47107	.55781	31.257	.47029	.77243	.77350	.75271	.63576	.39052
#1	.52899	.52398	1.0151	.52028	.51461	.49914	-.00273	5.0186	.52227	.51625	.51410	.52502	2.5952
#2	.52391	.51905	.99915	.51766	.51805	.50309	-.00174	5.0521	.51660	.51064	.50866	.52032	2.5809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.562**	**1.0314**	**20.446**	**.51277**	**.50565**	**5.3041**	**.51389**	**1.0234**	**1.0162**	**.00128**	**1.0311**	**1.0500**	**4.9791**
Stddev	.129	.0048	.145	.00403	.00402	.0624	.00270	.0065	.0065	.00274	.0073	.0097	.0105
%RSD	.25076	.46324	.71070	.78565	.79446	1.1769	.52613	.63246	.64072	214.09	.70892	.91886	.21118
#1	51.471	1.0280	20.549	.51562	.50849	5.3482	.51581	1.0280	1.0208	-.00066	1.0362	1.0568	4.9717
#2	51.653	1.0348	20.343	.50992	.50281	5.2599	.51198	1.0188	1.0116	.00322	1.0259	1.0432	4.9866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.655**	**1.0328**	**.51149**	**-.00045**	**.50534**	**1.0653**	**-.01210**	**.50739**	**.49941**	**.50508**
Stddev	.022	.0057	.00158	.00015	.00321	.0082	.01169	.00196	.00303	.00173
%RSD	.21118	.54754	.30919	32.247	.63565	.76732	96.647	.38586	.60711	.34300
#1	10.639	1.0368	.51037	-.00035	.50761	1.0711	-.00383	.50878	.50155	.50386
#2	10.671	1.0288	.51261	-.00056	.50307	1.0596	-.02036	.50601	.49726	.50631
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4047.9**	**62845.**	**6324.8**
Stddev	12.4	328.	10.1
%RSD	.30701	.52173	.15900
#1	4039.1	62613.	6331.9
#2	4056.7	63077.	6317.7

Sample Name: CCB Acquired: 4/10/2012 11:41:50 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00065**	**.00230**	**.00006**	**.00056**	**.00025**	**-.00313**	**.00124**	**.00019**	**.00011**	**-.00011**	**-.00060**	**.00174**
Stddev	.00017	.00029	.00444	.00019	.00015	.00010	.00169	.00113	.00012	.00006	.00015	.00013	.00128
%RSD	42.172	45.450	193.11	301.51	27.120	40.851	54.036	91.647	61.143	50.760	134.28	22.655	73.443
#1	.00028	.00044	-.00084	-.00007	.00066	.00032	-.00432	.00204	.00027	.00015	-.00022	-.00050	.00265
#2	.00053	.00086	.00544	.00019	.00045	.00018	-.00193	.00044	.00011	.00007	-.00001	-.00069	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04271**	**.00110**	**.00818**	**.00015**	**.00096**	**.05982**	**.00009**	**-.00004**	**.00087**	**-.00345**	**-.00011**	**.00084**	**-.00339**
Stddev	.00506	.00053	.00183	.00001	.00032	.01119	.00001	.00175	.00064	.00360	.00099	.00167	.00071
%RSD	11.853	48.202	22.353	4.3147	33.847	18.707	7.5666	4084.6	73.752	104.36	870.22	199.30	20.935
#1	.03913	.00073	.00947	.00015	.00073	.06773	.00009	-.00128	.00041	-.00090	-.00082	.00202	-.00389
#2	.04629	.00148	.00689	.00014	.00119	.05191	.00010	.00120	.00132	-.00599	.00059	-.00034	-.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00726**	**.00148**	**.00027**	**-.00061**	**.00022**	**-.00085**	**.02820**	**.00012**	**.00124**	**.00147**
Stddev	.00152	.00040	.00011	.00097	.00006	.00008	.00046	.00025	.00010	.00039
%RSD	20.935	27.035	38.813	159.72	25.116	9.3312	1.6362	202.75	8.3701	26.495
#1	-.00833	.00119	.00035	-.00130	.00026	-.00091	.02787	.00030	.00132	.00120
#2	-.00619	.00176	.00020	.00008	.00018	-.00080	.02853	-.00005	.00117	.00175
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4082.3**	**64604.**	**6282.2**
Stddev	4.8	391.	46.2
%RSD	.11684	.60498	.73523
#1	4085.7	64328.	6249.6
#2	4079.0	64881.	6314.9

Sample Name: CCVL-1351959 Acquired: 4/10/2012 11:44:16 Type: QC
Method: 6500_025(v15) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.10774**	**.01737**	**.09560**	**.01057**	**.00097**	**.10947**	**.20747**	**.00530**	**.01056**	**.01027**	**.01559**	**.10216**
Stddev	.00020	.00085	.00280	.00013	.00022	.00007	.00112	.00146	.00001	.00011	.00011	.00030	.00030
%RSD	1.8784	.78477	16.109	.14001	2.0465	6.9628	1.0254	.70130	.26747	1.0638	1.0587	1.9235	.29170
#1	.01066	.10834	.01539	.09569	.01072	.00102	.10868	.20850	.00529	.01064	.01019	.01580	.10237
#2	.01095	.10714	.01935	.09550	.01042	.00092	.11027	.20645	.00531	.01048	.01034	.01538	.10195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2250**	**.01164**	**.21279**	**.01051**	**.01959**	**1.1219**	**.04160**	**2.8039**	**.01154**	**.00001**	**.00878**	**.01403**	**.49738**
Stddev	.0037	.00087	.00444	.00020	.00006	.0034	.00020	.0131	.00114	.00407	.00129	.00162	.00282
%RSD	.11581	7.4400	2.0873	1.9040	.30377	.30483	.47032	.46814	9.8676	38065.	14.684	11.516	.56644
#1	3.2224	.01103	.21594	.01065	.01963	1.1243	.04174	2.8132	.01234	-.00287	.00787	.01289	.49538
#2	3.2277	.01226	.20965	.01036	.01955	1.1195	.04146	2.7947	.01073	.00289	.00969	.01517	.49937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0644**	**.10162**	**.01057**	**.01505**	**.01011**	**.01390**	F **.07949**	**.01066**	**.02102**	**.01603**
Stddev	.0060	.00031	.00001	.00205	.00015	.00051	.00666	.00037	.00060	.00014
%RSD	.56644	.30533	.09925	13.598	1.4992	3.6359	8.3845	3.4347	2.8450	.86086
#1	1.0601	.10140	.01056	.01649	.01022	.01355	.07478	.01092	.02144	.01593
#2	1.0686	.10184	.01058	.01360	.01000	.01426	.08420	.01040	.02060	.01613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4123.7**	**64717.**	**6257.2**
Stddev	20.7	1220.	16.3
%RSD	.50237	1.8843	.26084
#1	4109.0	63855.	6245.7
#2	4138.3	65579.	6268.8

Sample Name: mb 280-114545/1-a Acquired: 4/10/2012 11:46:38 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00212**	**-.00071**	**.00014**	**.00015**	**-.00001**	**-.00300**	**.00760**	**.00025**	**.00001**
Stddev	.00027	.00023	.00308	.00063	.00001	.00001	.00009	.00085	.00022	.00021
%RSD	218.07	11.068	435.09	437.90	3.6966	105.34	2.8925	11.251	89.649	1826.8
#1	.00031	.00196	-.00288	.00059	.00014	-.00001	-.00306	.00820	.00040	-.00014
#2	-.00007	.00229	.00147	-.00030	.00015	.00000	-.00294	.00699	.00009	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00037**	**.00101**	**.03530**	**.00176**	**.00258**	**.00005**	**.00002**	**.03545**	**-.00018**
Stddev	.00000	.00016	.00091	.02251	.00069	.00028	.00003	.00011	.01339	.00053
%RSD	.83281	44.155	90.024	63.765	39.219	10.823	60.892	579.18	37.761	295.96
#1	-.00009	-.00049	.00037	.01938	.00127	.00277	.00003	.00010	.02599	.00020
#2	-.00009	-.00025	.00165	.05121	.00225	.00238	.00007	-.00006	.04492	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00031**	**.00149**	**-.00210**	**.00236**	W **.00791**	**.01693**	**.00044**	**.00006**	**.00003**
Stddev	.00017	.00011	.00169	.00032	.00003	.00499	.01067	.00014	.00001	.00034
%RSD	325.60	35.770	113.29	15.241	1.4221	63.004	63.004	32.681	20.737	1101.1
#1	-.00007	.00023	.00030	-.00187	.00233	.00439	.00939	.00034	.00007	-.00021
#2	.00017	.00039	.00269	-.00232	.00238	.01144	.02448	.00054	.00005	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.00500				
Low Limit						-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00121**	**.02397**	**.00036**	**.00259**	**.00176**
Stddev	.00008	.00196	.00012	.00027	.00017	.00132
%RSD	28.161	162.06	.50173	76.022	6.6118	75.154
#1	.00022	.00018	.02405	.00017	.00247	.00269
#2	.00033	-.00259	.02388	.00055	.00271	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.7**	**65238.**	**6338.0**
Stddev	7.2	227.	3.9
%RSD	.17285	.34845	.06113
#1	4144.6	65078.	6335.3
#2	4154.8	65399.	6340.8

Sample Name: lcs 280-114545/2-a Acquired: 4/10/2012 11:52:10 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05352**	**1.9197**	**1.0131**	**1.0195**	**2.0511**	**.05041**	**2.1364**	**49.574**	**.10385**	**.49885**
Stddev	.00044	.0003	.0047	.0032	.0056	.00008	.0068	.099	.00036	.00037
%RSD	.81331	.01614	.46175	.30923	.27365	.15967	.31796	.20020	.34619	.07407
#1	.05383	1.9195	1.0164	1.0217	2.0471	.05035	2.1412	49.504	.10410	.49911
#2	.05322	1.9199	1.0098	1.0172	2.0551	.05047	2.1316	49.644	.10359	.49859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20190**	**.26133**	**1.0267**	**51.690**	**1.0305**	**49.563**	**.50888**	**1.0144**	**53.905**	**.50450**
Stddev	.00044	.00092	.0059	.064	.0004	.372	.00309	.0030	.274	.00038
%RSD	.21913	.35076	.57573	.12325	.03504	.75006	.60757	.29608	.50782	.07603
#1	.20222	.26197	1.0225	51.645	1.0302	49.301	.50669	1.0166	53.711	.50478
#2	.20159	.26068	1.0309	51.735	1.0307	49.826	.51106	1.0123	54.098	.50423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.197**	**.50149**	**.00978**	**.49149**	**2.0782**	**10.047**	F **21.501**	**2.0227**	**1.0296**	**1.0082**
Stddev	.042	.00174	.00219	.00417	.0067	.096	.205	.0035	.0017	.0043
%RSD	.41500	.34766	22.353	.84779	.32407	.95407	.95407	.17085	.16587	.43049
#1	10.227	.50272	.01132	.49444	2.0830	9.9792	21.356	2.0251	1.0284	1.0051
#2	10.167	.50026	.00823	.48854	2.0735	10.115	21.646	2.0202	1.0308	1.0113
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0137**	**2.0509**	**2.1755**	**.50961**	**.48536**	**.51240**
Stddev	.0059	.0068	.0047	.00362	.00671	.00086
%RSD	.58243	.32983	.21555	.71038	1.3822	.16781
#1	1.0095	2.0557	2.1722	.50705	.48061	.51301
#2	1.0178	2.0461	2.1789	.51217	.49010	.51179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3929.8**	**61427.**	**6259.7**
Stddev	11.3	142.	2.6
%RSD	.28703	.23187	.04172
#1	3921.9	61527.	6257.9
#2	3937.8	61326.	6261.6

Sample Name: lcsd 280-114545/3-a Acquired: 4/10/2012 11:54:19 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05346**	**1.9262**	**1.0198**	**1.0273**	**2.0358**	**.05008**	F **2.1508**	**49.173**	**.10410**	**.49823**
Stddev	.00012	.0010	.0008	.0040	.0004	.00009	.0123	.035	.00007	.00043
%RSD	.23128	.04949	.07971	.39003	.02047	.17694	.57278	.07211	.06417	.08693
#1	.05355	1.9256	1.0204	1.0302	2.0355	.05002	2.1595	49.148	.10415	.49793
#2	.05338	1.9269	1.0193	1.0245	2.0361	.05015	2.1421	49.198	.10406	.49854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20162**	**.26044**	**1.0093**	**51.253**	**1.0267**	**49.461**	**.50643**	**1.0170**	**53.529**	**.50495**
Stddev	.00023	.00029	.0028	.027	.0038	.032	.00030	.0011	.045	.00094
%RSD	.11450	.11146	.27315	.05302	.37290	.06494	.05991	.11024	.08372	.18698
#1	.20178	.26065	1.0112	51.233	1.0240	49.484	.50664	1.0162	53.560	.50429
#2	.20146	.26024	1.0073	51.272	1.0294	49.438	.50621	1.0178	53.497	.50562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.245**	**.50476**	**.01171**	**.49603**	**2.0709**	**10.007**	**21.414**	W **2.0256**	**1.0207**	**1.0061**
Stddev	.003	.00241	.00241	.00075	.0101	.008	.017	.0031	.0008	.0015
%RSD	.02872	.47764	20.571	.15194	.48604	.07904	.07904	.15354	.08316	.15081
#1	10.247	.50305	.01342	.49656	2.0781	10.012	21.426	2.0278	1.0213	1.0071
#2	10.243	.50646	.01001	.49550	2.0638	10.001	21.402	2.0234	1.0201	1.0050
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0154**	**2.0466**	**2.1716**	**.50770**	**.48587**	**.50882**
Stddev	.0014	.0004	.0023	.00003	.00178	.00228
%RSD	.13971	.02117	.10503	.00617	.36628	.44797
#1	1.0164	2.0463	2.1700	.50768	.48713	.51043
#2	1.0144	2.0469	2.1732	.50772	.48461	.50721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3912.4**	**61373.**	**6328.7**
Stddev	13.2	119.	10.9
%RSD	.33803	.19330	.17233
#1	3903.0	61289.	6336.4
#2	3921.7	61457.	6321.0

Sample Name: 280-27123-g-11-i Acquired: 4/10/2012 11:56:27 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00341**	**-.00046**	**.00128**	**.00014**	**.00001**	**-.00111**	**.00908**	**.00011**	**-.00007**
Stddev	.00003	.00016	.00086	.00020	.00010	.00005	.00082	.00213	.00001	.00012
%RSD	6.1458	4.8364	188.61	15.913	73.236	372.92	73.716	23.448	13.355	174.61
#1	.00050	.00352	-.00106	.00114	.00021	-.00002	-.00169	.00758	.00012	.00002
#2	.00055	.00329	.00015	.00143	.00007	.00005	-.00053	.01059	.00010	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00027**	**.00673**	**.02578**	**.00077**	**.00428**	**.00014**	**.00193**	**.05706**	**-.00018**
Stddev	.00013	.00004	.00052	.00952	.00338	.00021	.00003	.00089	.00777	.00006
%RSD	388.49	13.837	7.6883	36.920	437.21	4.8143	19.970	46.275	13.616	31.305
#1	-.00012	-.00029	.00636	.01905	-.00162	.00443	.00012	.00130	.06255	-.00022
#2	.00006	-.00024	.00709	.03251	.00317	.00413	.00015	.00256	.05157	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00128**	**.00151**	**-.00188**	**-.00082**	**.00132**	**.00282**	**.00048**	**.00006**	**-.00041**
Stddev	.00103	.00035	.00056	.00215	.00545	.00012	.00025	.00002	.00005	.00141
%RSD	191.25	27.295	36.840	114.69	662.87	8.9694	8.9694	4.9149	85.031	348.44
#1	.00127	.00104	.00190	-.00035	-.00468	.00140	.00300	.00046	.00009	-.00140
#2	-.00019	.00153	.00112	-.00340	.00303	.00124	.00264	.00050	.00002	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00037**	**-.00019**	**.00036**	**.00266**	**-.00030**
Stddev	.00008	.00072	.00107	.00016	.00038	.00030
%RSD	21.450	196.48	575.75	44.010	14.299	100.35
#1	.00030	.00014	.00057	.00025	.00293	-.00051
#2	.00041	-.00088	-.00094	.00048	.00239	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4128.1**	**65344.**	**6397.3**
Stddev	4.5	271.	5.2
%RSD	.10905	.41548	.08127
#1	4131.3	65536.	6393.6
#2	4124.9	65152.	6400.9

Sample Name: 280-27123-g-11-iSD@5 Acquired: 4/10/2012 11:58:52 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00060**	**.00242**	**.00044**	**.00028**	**.00000**	**-.00275**	**.00280**	**.00003**	**-.00007**
Stddev	.00067	.00001	.00130	.00030	.00006	.0001	.00243	.00211	.00004	.00008
%RSD	144.83	1.6804	53.698	68.856	21.364	12904.	88.371	75.319	122.00	119.75
#1	.00094	.00061	.00150	.00022	.00032	-.00004	-.00446	.00131	.00006	-.00012
#2	-.00001	.00060	.00334	.00065	.00023	.00004	-.00103	.00429	.00000	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00051**	**.00133**	**.02130**	**.00078**	**.00445**	**.00004**	**.00024**	**.02601**	**-.00022**
Stddev	.00015	.00008	.00106	.00089	.00144	.00038	.00007	.00044	.00415	.00001
%RSD	226.01	14.789	79.462	4.1799	185.86	8.5425	180.66	185.88	15.953	4.3989
#1	.00004	-.00046	.00208	.02193	-.00024	.00472	-.00001	-.00007	.02307	-.00023
#2	-.00017	-.00057	.00058	.02067	.00180	.00418	.00009	.00055	.02894	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.00130**	**.01339**	**-.00304**	**-.00082**	**.00888**	**.01901**	**.00019**	**.00005**	**-.00045**
Stddev	.00161	.00024	.00197	.00063	.00183	.00485	.01038	.00014	.00001	.00234
%RSD	114.92	18.405	14.683	20.751	223.60	54.605	54.605	72.197	29.440	522.87
#1	-.00253	.00113	.01200	-.00260	.00048	.00545	.01167	.00029	.00006	.00121
#2	-.00026	.00147	.01478	-.00349	-.00212	.01231	.02635	.00009	.00004	-.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00094**	**.01135**	**-.00013**	**.00238**	**.00037**
Stddev	.00030	.00145	.01259	.00004	.00035	.00054
%RSD	1215.5	154.33	110.87	29.917	14.896	147.40
#1	.00024	-.00196	.00245	-.00010	.00213	.00075
#2	-.00019	.00009	.02025	-.00016	.00263	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4105.5**	**64582.**	**6290.0**
Stddev	19.3	427.	8.4
%RSD	.46914	.66134	.13308
#1	4119.1	64884.	6295.9
#2	4091.8	64280.	6284.1

Sample Name: 280-27123-g-11-iPDS Acquired: 4/10/2012 12:01:18 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114545 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05203**	**1.0174**	**.20217**	**.10536**	**.10583**	**.05107**	**-.00388**	**20.332**	**.05208**	**.05081**
Stddev	.00013	.0141	.00143	.00182	.00023	.00039	.00019	.112	.00112	.00129
%RSD	.25707	1.3890	.70811	1.7258	.22014	.76222	5.0101	.55305	2.1434	2.5396
#1	.05212	1.0274	.20318	.10665	.10599	.05135	-.00374	20.411	.05287	.05172
#2	.05193	1.0074	.20115	.10407	.10566	.05080	-.00402	20.252	.05129	.04990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05161**	**.05312**	**1.0462**	**21.058**	**.10623**	**20.035**	**.05220**	**.05195**	**22.161**	**.05090**
Stddev	.00073	.00015	.0051	.092	.00005	.133	.00036	.00093	.148	.00034
%RSD	1.4187	.29026	.48352	.43720	.05053	.66350	.68534	1.7890	.66824	.66030
#1	.05213	.05301	1.0497	21.123	.10627	19.941	.05195	.05261	22.266	.05114
#2	.05109	.05323	1.0426	20.993	.10619	20.129	.05246	.05129	22.056	.05067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0186**	**.10069**	**.00644**	**.10214**	**.20804**	**5.1798**	**11.085**	**.10670**	**.05408**	**.20305**
Stddev	.0363	.00132	.00007	.00170	.00233	.0167	.036	.00156	.00019	.00389
%RSD	1.7991	1.3128	1.1195	1.6604	1.1202	.32214	.32214	1.4603	.36043	1.9152
#1	2.0443	.10162	.00650	.10334	.20639	5.1916	11.110	.10780	.05422	.20030
#2	1.9929	.09976	.00639	.10094	.20969	5.1680	11.060	.10560	.05394	.20580
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05263**	**.21350**	**.55330**	**.05208**	**.20234**	**.05424**
Stddev	.00019	.00114	.00101	.00001	.00193	.00163
%RSD	.35827	.53291	.18292	.01312	.95609	3.0133
#1	.05250	.21430	.55259	.05209	.20097	.05309
#2	.05277	.21269	.55402	.05208	.20371	.05540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4030.6**	**63421.**	**6323.1**
Stddev	49.9	323.	17.6
%RSD	1.2373	.50942	.27899
#1	3995.3	63649.	6310.7
#2	4065.9	63192.	6335.6

Sample Name: CCVH-1351956 Acquired: 4/10/2012 12:03:38 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**51.672**	**.00152**	**.00152**	**.00046**	**.00003**	**1.0258**	**-.00531**	**.00006**	**.00007**	**.00020**	**.00480**	**51.562**
Stddev	.00031	.021	.00044	.00006	.00010	.00007	.0076	.00094	.00014	.00018	.00017	.00024	.239
%RSD	16.776	.04122	28.946	3.8161	22.663	235.57	.73953	17.751	231.22	264.63	85.392	4.8996	.46362
#1	.00163	51.657	.00121	.00156	.00053	-.00002	1.0205	-.00465	-.00004	.00019	.00008	.00463	51.393
#2	.00207	51.687	.00183	.00148	.00039	.00008	1.0312	-.00598	.00016	-.00006	.00032	.00497	51.731
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05115**	**.00085**	**.01989**	**-.00004**	**-.00051**	**262.89**	**.00162**	**-.00015**	**-.00158**	**5.0116**	**-.00309**	**.00288**	**.02100**
Stddev	.04875	.00003	.00065	.00007	.00037	.75	.00009	.00078	.00213	.0018	.00037	.00123	.00451
%RSD	95.307	3.5541	3.2870	192.89	72.750	.28521	5.8277	533.20	134.73	.03552	11.856	42.713	21.464
#1	.01668	.00087	.01943	.00001	-.00025	262.36	.00156	.00041	-.00007	5.0104	-.00283	.00375	.01782
#2	.08562	.00083	.02036	-.00009	-.00077	263.42	.00169	-.00070	-.00309	5.0129	-.00334	.00201	.02419
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04495**	**.00149**	**.00033**	**4.9902**	**.00136**	**.00075**	**9.9043**	**.00244**	**.00115**	**.01687**
Stddev	.00965	.00035	.00006	.0101	.00011	.00185	.0427	.00030	.00050	.00130
%RSD	21.464	23.666	19.495	.20142	7.9886	246.18	.43083	12.273	43.495	7.6809
#1	.03813	.00124	.00029	4.9831	.00128	-.00056	9.8741	.00265	.00150	.01595
#2	.05177	.00174	.00038	4.9973	.00143	.00206	9.9345	.00223	.00079	.01779
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3971.5**	**61633.**	**6255.6**
Stddev	2.8	120.	8.9
%RSD	.07019	.19537	.14294
#1	3969.5	61718.	6261.9
#2	3973.5	61548.	6249.3

Sample Name: CCV-1351954 Acquired: 4/10/2012 12:05:58 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51493**	**.51221**	**.98738**	**.51473**	**.51795**	**.50132**	**-.00152**	**5.0620**	**.51349**	**.50723**	**.50602**	**.51486**	**2.5627**
Stddev	.00029	.00028	.00191	.00121	.00035	.00035	.00057	.0136	.00054	.00025	.00010	.00222	.0052
%RSD	.05686	.05378	.19345	.23550	.06817	.06944	37.440	.26911	.10491	.05004	.01957	.43089	.20450
#1	.51472	.51202	.98873	.51559	.51770	.50156	-.00112	5.0716	.51311	.50705	.50595	.51329	2.5590
#2	.51513	.51241	.98603	.51388	.51820	.50107	-.00192	5.0524	.51387	.50741	.50609	.51643	2.5664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.608**	**1.0366**	**20.092**	**.50450**	**.50231**	**5.1558**	**.50814**	**1.0021**	**.99730**	**-.00167**	**1.0133**	**1.0347**	**5.0166**
Stddev	.109	.0029	.006	.00114	.00127	.0019	.00095	.0102	.00542	.00210	.0019	.0078	.0180
%RSD	.21043	.27648	.02775	.22539	.25367	.03764	.18609	1.0160	.54378	125.40	.18256	.75307	.35857
#1	51.531	1.0346	20.096	.50369	.50141	5.1545	.50747	.99492	.99346	-.00019	1.0146	1.0403	5.0039
#2	51.685	1.0386	20.088	.50530	.50321	5.1572	.50881	1.0093	1.0011	-.00315	1.0120	1.0292	5.0293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.736**	**1.0203**	**.51198**	**-.00284**	**.49916**	**1.0504**	**.01960**	**.50221**	**.49444**	**.50865**
Stddev	.038	.0013	.00065	.00032	.00100	.0047	.01702	.00021	.00031	.00080
%RSD	.35857	.12995	.12769	11.164	.20009	.45122	86.847	.04267	.06305	.15643
#1	10.708	1.0194	.51152	-.00307	.49845	1.0538	.03164	.50236	.49422	.50809
#2	10.763	1.0212	.51244	-.00262	.49986	1.0471	.00756	.50206	.49466	.50921
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.8**	**62943.**	**6268.5**
Stddev	6.0	61.	28.3
%RSD	.14875	.09680	.45187
#1	4044.0	62900.	6288.5
#2	4035.5	62986.	6248.5

Sample Name: CCB Acquired: 4/10/2012 12:08:10 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00008**	**.00131**	**.00027**	**.00010**	**.00004**	**-.00186**	**-.00262**	**.00013**	**-.00003**	**-.00019**	**-.00066**	**.00051**
Stddev	.00024	.00004	.00135	.00002	.00012	.00006	.00003	.00185	.00003	.00000	.00007	.00017	.00032
%RSD	36.378	51.327	102.66	6.3485	123.83	142.68	1.6943	70.483	21.784	16.952	39.690	25.991	61.971
#1	.00050	.00010	.00036	.00028	.00001	.00000	-.00184	-.00132	.00015	-.00002	-.00024	-.00054	.00029
#2	.00084	.00005	.00226	.00026	.00018	.00008	-.00188	-.00393	.00011	-.00003	-.00014	-.00078	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02993**	**.00094**	**.00402**	**.00007**	**.00095**	**.04384**	**-.00006**	**-.00188**	**.00120**	**-.00041**	**-.00023**	**-.00298**	**-.00849**
Stddev	.07247	.00047	.00098	.00005	.00043	.01200	.00007	.00222	.00115	.00434	.00112	.00162	.00048
%RSD	242.14	50.369	24.449	74.315	45.438	27.366	116.49	117.77	96.502	1054.4	478.87	54.180	5.6666
#1	-.02132	.00127	.00472	.00011	.00065	.05233	-.00011	-.00345	.00038	.00266	-.00103	-.00184	-.00883
#2	.08117	.00060	.00333	.00004	.00126	.03536	-.00001	-.00031	.00201	-.00348	.00056	-.00412	-.00815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01817**	**.00138**	**.00008**	**-.00017**	**-.00017**	**-.00131**	**.00733**	**-.00009**	**.00142**	**.00110**
Stddev	.00103	.00042	.00007	.00005	.00006	.00048	.01111	.00009	.00010	.00159
%RSD	5.6666	30.292	81.648	28.384	34.042	36.613	151.58	104.63	6.7191	144.20
#1	-.01890	.00108	.00013	-.00013	-.00013	-.00097	-.00053	-.00016	.00136	.00222
#2	-.01744	.00167	.00004	-.00020	-.00022	-.00164	.01519	-.00002	.00149	-.00002
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4094.3**	**64569.**	**6211.1**
Stddev	22.3	486.	82.8
%RSD	.54431	.75324	1.3327
#1	4110.0	64913.	6269.6
#2	4078.5	64225.	6152.5

Sample Name: CCVL1351959 Acquired: 4/10/2012 12:10:35 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01081**	**.10811**	**.01699**	**.09581**	**.01102**	**.00105**	**.11031**	**.22238**	**.00539**	**.01028**	**.01047**	**.01531**	**.10872**
Stddev	.00003	.00024	.00310	.00030	.00002	.00001	.00075	.00148	.00002	.00035	.00003	.00041	.00016
%RSD	.30357	.22290	18.267	.31164	.15304	1.2843	.68331	.66531	.45908	3.3944	.26776	2.6859	.14946
#1	.01084	.10828	.01918	.09560	.01101	.00106	.11084	.22133	.00537	.01003	.01045	.01560	.10861
#2	.01079	.10794	.01479	.09602	.01103	.00104	.10977	.22342	.00540	.01052	.01049	.01502	.10884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2785**	**.01188**	**.21059**	**.01066**	**.01995**	**1.1450**	**.04219**	**2.8297**	**.01017**	**.00203**	F **.00698**	**.01653**	**.49427**
Stddev	.0025	.00143	.00644	.00012	.00003	.0083	.00001	.0065	.00162	.00274	.00137	.00183	.00894
%RSD	.07591	12.002	3.0580	1.0791	.14297	.72262	.01450	.23021	15.974	134.74	19.607	11.095	1.8091
#1	3.2767	.01288	.21514	.01058	.01993	1.1508	.04218	2.8251	.00902	.00397	.00601	.01782	.50059
#2	3.2803	.01087	.20604	.01074	.01997	1.1391	.04219	2.8344	.01132	.00010	.00795	.01523	.48794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0577**	**.10353**	**.01073**	**.01498**	**.00983**	**.01603**	**.07262**	**.01017**	**.02330**	**.01605**
Stddev	.0191	.00026	.00014	.00090	.00023	.00103	.01377	.00010	.00044	.00082
%RSD	1.8091	.25137	1.3469	5.9903	2.3397	6.4321	18.962	.98883	1.9049	5.1246
#1	1.0713	.10335	.01063	.01434	.00999	.01530	.08236	.01024	.02362	.01547
#2	1.0442	.10371	.01083	.01561	.00967	.01676	.06288	.01010	.02299	.01663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4096.0**	**65112.**	**6246.4**
Stddev	1.7	343.	2.4
%RSD	.04164	.52665	.03852
#1	4097.2	64870.	6248.1
#2	4094.8	65355.	6244.7

Sample Name: mb 280-114448/1-a Acquired: 4/10/2012 12:12:59 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00139	.00185	-.00074	.00034	.00003	.00150	.00353	-.00005	.00009
Stddev	.00016	.00002	.00045	.00040	.00011	.00001	.00326	.00124	.00006	.00002
%RSD	69.057	1.5173	24.555	53.896	32.916	29.114	217.22	35.206	132.84	23.006
#1	.00035	.00141	.00217	-.00046	.00042	.00003	-.00081	.00265	.00000	.00007
#2	.00012	.00138	.00153	-.00102	.00026	.00004	.00381	.00441	-.00009	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	-.00026	W .03698	.04546	.00007	.00287	.00031	-.00022	.01305	.00005
Stddev	.00010	.00036	.00107	.00965	.00019	.00033	.00004	.00011	.00800	.00012
%RSD	29.116	136.67	2.8977	21.220	267.03	11.448	14.400	48.354	61.320	232.18
#1	.00041	-.00001	.03774	.03864	-.00006	.00264	.00028	-.00029	.00739	.00013
#2	.00027	-.00052	.03622	.05229	.00021	.00311	.00034	-.00014	.01871	-.00003
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00033	-.00036	.00083	-.00301	-.00356	-.00334	-.00715	-.00017	.00005	-.00111
Stddev	.00057	.00020	.00381	.00347	.00686	.00372	.00796	.00072	.00005	.00030
%RSD	175.29	55.028	460.46	115.44	192.49	111.24	111.24	412.72	103.32	26.620
#1	.00008	-.00050	-.00187	-.00546	-.00841	-.00597	-.01278	-.00068	.00001	-.00132
#2	-.00073	-.00022	.00352	-.00055	.00129	-.00071	-.00153	.00033	.00008	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00022	.01508	-.00001	.00138	.00030
Stddev	.00006	.00106	.00982	.00009	.00088	.00077
%RSD	68.085	485.60	65.148	705.82	63.599	257.03
#1	.00014	.00097	.00813	.00005	.00200	-.00025
#2	.00005	-.00053	.02202	-.00008	.00076	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4151.5	65899.	6393.7
Stddev	10.8	62.	29.2
%RSD	.26023	.09466	.45641
#1	4159.1	65943.	6414.4
#2	4143.9	65855.	6373.1

Sample Name: lcs 280-114448/2-a Acquired: 4/10/2012 12:15:24 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05418**	**1.9370**	**1.0318**	**1.0692**	**2.0606**	**.05077**	**2.1735**	**49.886**	**.10579**	**.49926**
Stddev	.00080	.0068	.0111	.0008	.0041	.00032	.0030	.259	.00014	.00037
%RSD	1.4704	.34963	1.0776	.06976	.19947	.63735	.13910	.51837	.13537	.07441
#1	.05474	1.9417	1.0397	1.0697	2.0577	.05054	2.1713	49.703	.10589	.49900
#2	.05361	1.9322	1.0240	1.0687	2.0635	.05099	2.1756	50.069	.10569	.49952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20117**	**.26187**	**1.0264**	**52.219**	**1.0416**	**50.648**	**.50961**	**1.0064**	**54.376**	**.50794**
Stddev	.00095	.00144	.0072	.071	.0054	.284	.00276	.0003	.214	.00062
%RSD	.47336	.55083	.70142	.13587	.52196	.56131	.54066	.03340	.39369	.12268
#1	.20050	.26289	1.0213	52.169	1.0378	50.849	.51156	1.0062	54.224	.50838
#2	.20184	.26085	1.0315	52.270	1.0455	50.447	.50766	1.0067	54.527	.50750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.502**	**.50173**	**.01397**	**.50227**	**2.1977**	**10.148**	F **21.716**	**2.0479**	**1.0336**	**1.0084**
Stddev	.004	.00238	.00162	.00040	.0007	.079	.170	.0011	.0019	.0024
%RSD	.04215	.47495	11.633	.07920	.03086	.78086	.78086	.05493	.18456	.24323
#1	10.505	.50341	.01512	.50255	2.1973	10.092	21.596	2.0472	1.0322	1.0101
#2	10.498	.50004	.01282	.50199	2.1982	10.204	21.836	2.0487	1.0349	1.0067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0110**	**2.0855**	**2.1564**	**.50912**	**.49712**	**.51338**
Stddev	.0045	.0015	.0254	.00278	.00401	.00142
%RSD	.44265	.07431	1.1779	.54582	.80673	.27721
#1	1.0142	2.0866	2.1743	.51109	.49995	.51237
#2	1.0078	2.0844	2.1384	.50716	.49428	.51438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3950.3**	**61434.**	**6231.2**
Stddev	8.8	311.	2.0
%RSD	.22278	.50573	.03156
#1	3956.6	61215.	6232.6
#2	3944.1	61654.	6229.8

Sample Name: 280-27312-o-1-d Acquired: 4/10/2012 12:17:33 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00150**	**-.00439**	**2.9645**	**.00892**	**.00005**	**-.00058**	**214.85**	**.00080**	**.00131**
Stddev	.00054	.00027	.00036	.0043	.00009	.00005	.00047	2.63	.00011	.00038
%RSD	128.57	18.234	8.1408	.14565	1.0631	102.73	79.963	1.2231	13.781	29.487
#1	.00004	.00131	-.00414	2.9614	.00885	.00008	-.00091	213.00	.00088	.00158
#2	.00080	.00170	-.00464	2.9675	.00899	.00001	-.00025	216.71	.00072	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00152**	**1.1301**	**25.907**	**.28082**	W **787.14**	**.08166**	**.00725**	W **2385.8**	**.00220**
Stddev	.00028	.00014	.0083	.527	.00094	7.25	.00008	.00086	10.9	.00005
%RSD	43.469	8.9389	.73468	2.0336	.33608	.92042	.09852	11.892	.45736	2.2921
#1	.00084	.00162	1.1360	25.535	.28148	782.02	.08160	.00664	2393.5	.00224
#2	.00045	.00143	1.1242	26.280	.28015	792.26	.08171	.00786	2378.1	.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07426**	**.00061**	F **1822.0**	**-.00532**	**.00679**	**12.178**	**26.061**	**-.00030**	**2.4074**	**-.00505**
Stddev	.00362	.00085	1.3	.00090	.00032	.105	.224	.00097	.0121	.00066
%RSD	4.8778	138.18	.06990	16.909	4.6487	.86018	.86018	319.61	.50091	13.132
#1	.07682	.00121	1821.1	-.00468	.00701	12.252	26.220	-.00099	2.4159	-.00552
#2	.07170	.00001	1822.9	-.00595	.00657	12.104	25.903	.00038	2.3989	-.00458
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00374**	**.00116**	**.00156**	**.00193**	**.00101**
Stddev	.00055	.00066	.02079	.00033	.00040	.00053
%RSD	104.71	17.599	1786.7	21.449	20.886	52.465
#1	.00091	.00327	-.01354	.00180	.00222	.00064
#2	.00014	.00421	.01586	.00132	.00165	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3245.6**	**49531.**	**5864.8**
Stddev	2.3	60.	20.3
%RSD	.07091	.12105	.34557
#1	3244.0	49488.	5850.5
#2	3247.2	49573.	5879.1

Sample Name: 280-27324-e-1-a Acquired: 4/10/2012 12:20:08 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.50942**	**.03435**	**5.2607**	**.12795**	**.00013**	**-.00031**	**56.830**	**.00071**	**.01742**
Stddev	.00049	.00236	.00047	.0077	.00047	.00002	.00137	.425	.00011	.00014
%RSD	78.209	.46378	1.3713	.14566	.37031	17.992	446.54	.74865	15.158	.82387
#1	.00028	.50775	.03402	5.2553	.12828	.00011	-.00128	57.131	.00078	.01752
#2	.00097	.51109	.03468	5.2661	.12761	.00015	.00066	56.530	.00063	.01732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00687**	**.00827**	**1.8761**	**72.059**	**.08619**	**33.602**	**1.6654**	**.00968**	W **1039.3**	**.16960**
Stddev	.00019	.00021	.0051	.236	.00391	.339	.0112	.00010	5.2	.00025
%RSD	2.7886	2.5671	.27207	.32786	4.5359	1.0085	.67024	1.0832	.50082	.14503
#1	.00700	.00842	1.8797	72.226	.08895	33.842	1.6733	.00976	1042.9	.16977
#2	.00673	.00812	1.8725	71.892	.08342	33.363	1.6575	.00961	1035.6	.16942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6524**	**.00587**	**81.562**	**-.00374**	**.00416**	**16.418**	**35.134**	**-.00030**	**1.0802**	**-.00317**
Stddev	.0052	.00121	.016	.00110	.00020	.019	.041	.00015	.0040	.00038
%RSD	.14151	20.664	.01925	29.365	4.6844	.11552	.11552	48.393	.36843	11.943
#1	3.6488	.00501	81.573	-.00297	.00403	16.431	35.162	-.00020	1.0831	-.00344
#2	3.6561	.00673	81.551	-.00452	.00430	16.404	35.105	-.00041	1.0774	-.00290
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01303**	**.00072**	**.00676**	**.01386**	**.03049**	**.00380**
Stddev	.00024	.00023	.01314	.00048	.00095	.00009
%RSD	1.8050	32.151	194.26	3.4943	3.1146	2.3338
#1	.01320	.00056	-.00253	.01420	.03116	.00374
#2	.01286	.00088	.01605	.01352	.02982	.00386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3654.1**	**55908.**	**6187.4**
Stddev	3.6	338.	15.0
%RSD	.09878	.60466	.24256
#1	3656.6	55669.	6176.8
#2	3651.5	56147.	6198.0

Sample Name: 280-27273-f-5-a Acquired: 4/10/2012 12:22:33 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00041**	**.00151**	**.11222**	**.04051**	**-.00005**	**-.00157**	**345.83**	**.00073**	**.00382**
Stddev	.00015	.00018	.00176	.00062	.00032	.00005	.00012	5.39	.00016	.00008
%RSD	15.910	43.226	116.30	.54929	.79826	105.14	7.3805	1.5578	21.872	1.9993
#1	.00108	.00053	.00276	.11265	.04029	-.00008	-.00165	342.02	.00061	.00377
#2	.00086	.00028	.00027	.11178	.04074	-.00001	-.00149	349.64	.00084	.00388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00157**	**.90203**	W **114.34**	**.20132**	**146.74**	**5.5805**	**.00369**	**46.779**	**.00397**
Stddev	.00003	.00019	.00188	.59	.00024	1.50	.0131	.00018	.465	.00012
%RSD	5.3299	12.309	.20875	.52027	.11734	1.0232	.23493	4.9901	.99475	3.0540
#1	.00047	.00143	.90070	113.92	.20115	145.68	5.5712	.00356	46.450	.00388
#2	.00051	.00171	.90336	114.76	.20148	147.80	5.5897	.00382	47.108	.00405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01844**	**.00423**	F **450.73**	**-.00291**	**.00061**	**9.6793**	**20.714**	**.00101**	**1.9249**	**-.00175**
Stddev	.00271	.00007	3.77	.00044	.00263	.1022	.219	.00121	.0106	.00065
%RSD	14.692	1.7217	.83622	15.049	433.72	1.0560	1.0560	120.27	.55084	37.250
#1	.02035	.00418	448.07	-.00322	-.00126	9.6071	20.559	.00015	1.9174	-.00129
#2	.01652	.00428	453.40	-.00260	.00247	9.7516	20.868	.00187	1.9324	-.00221
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.00283**	**.00761**	**.00262**	**.07943**	**.00080**
Stddev	.00010	.00251	.00822	.00004	.00124	.00091
%RSD	19.164	88.635	108.03	1.5386	1.5674	114.48
#1	.00043	-.00106	.00180	.00265	.07855	.00015
#2	.00057	-.00461	.01342	.00259	.08031	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3664.9**	**57839.**	**6042.7**
Stddev	20.2	194.	55.6
%RSD	.55109	.33590	.92051
#1	3679.1	57976.	6082.0
#2	3650.6	57702.	6003.4

Sample Name: 280-27273-f-5-aSD@5 Acquired: 4/10/2012 12:25:06 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.01002**	**-.00032**	**.02395**	**.00823**	**-.00001**	**-.00219**	**70.729**	**.00042**	**.00094**
Stddev	.00008	.00039	.00116	.00016	.00005	.00005	.00134	.718	.00015	.00006
%RSD	8.3865	3.9323	362.53	.67490	.55483	576.14	61.195	1.0149	35.357	6.8284
#1	.00088	.00975	-.00114	.02407	.00820	-.00004	-.00314	70.221	.00052	.00089
#2	.00099	.01030	.00050	.02384	.00827	.00002	-.00124	71.236	.00031	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00064**	**.18507**	**22.435**	**.03960**	**29.101**	**1.1578**	**.00095**	**8.9074**	**.00091**
Stddev	.00003	.00036	.00260	.198	.00115	.180	.0050	.00028	.1087	.00008
%RSD	21.706	56.356	1.4061	.88297	2.9080	.61983	.42965	29.761	1.2202	8.6161
#1	.00011	.00039	.18323	22.295	.03878	28.973	1.1543	.00075	8.8306	.00096
#2	.00014	.00090	.18691	22.575	.04041	29.229	1.1614	.00115	8.9843	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.00030**	**86.871**	**-.00043**	**.00097**	**1.8665**	**3.9943**	**.00008**	**.38099**	**-.00125**
Stddev	.00120	.00228	.036	.00032	.00273	.0075	.0160	.00020	.00362	.00045
%RSD	34.342	753.33	.04199	74.212	280.30	.40032	.40032	266.71	.95086	35.930
#1	.00434	.00191	86.897	-.00066	-.00096	1.8612	3.9830	.00022	.37843	-.00093
#2	.00264	-.00131	86.845	-.00021	.00291	1.8718	4.0057	-.00007	.38355	-.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00009**	**.02568**	**.00070**	**.01783**	**.00079**
Stddev	.00032	.00032	.00745	.00026	.00000	.00033
%RSD	71.754	358.61	29.031	37.239	.01730	41.884
#1	.00022	-.00014	.02041	.00088	.01783	.00056
#2	.00067	.00031	.03095	.00051	.01784	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3955.8**	**62075.**	**6240.6**
Stddev	5.4	68.	34.4
%RSD	.13619	.10939	.55129
#1	3959.6	62123.	6265.0
#2	3951.9	62027.	6216.3

Sample Name: 280-27273-f-5-b ms Acquired: 4/10/2012 12:27:30 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05770**	**1.8417**	**1.0771**	**1.1754**	**2.2019**	**.04998**	F **2.2211**	**406.33**	**.11080**	**.49718**
Stddev	.00025	.0064	.0065	.0040	.0049	.00035	.0154	1.01	.00045	.00025
%RSD	.43710	.34665	.59958	.34146	.22041	.69086	.69149	.24942	.40781	.05094
#1	.05753	1.8372	1.0816	1.1782	2.2053	.05022	2.2320	407.05	.11112	.49736
#2	.05788	1.8462	1.0725	1.1726	2.1985	.04974	2.2102	405.62	.11048	.49700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20455**	**.27313**	**1.9658**	W **172.57**	**1.3056**	**197.41**	**6.1790**	**1.0309**	**104.89**	**.50415**
Stddev	.00027	.00145	.0076	.39	.0069	.90	.0670	.0049	.91	.00150
%RSD	.12966	.53021	.38489	.22321	.52738	.45375	1.0837	.47721	.86296	.29821
#1	.20474	.27415	1.9712	172.84	1.3105	198.05	6.2264	1.0343	105.53	.50521
#2	.20436	.27211	1.9605	172.30	1.3008	196.78	6.1317	1.0274	104.25	.50308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.064**	**.48190**	F **459.55**	**.51872**	**2.3221**	**20.319**	**43.482**	W **2.0143**	**3.0530**	**1.0335**
Stddev	.046	.00150	1.92	.00062	.0064	.113	.242	.0081	.0113	.0064
%RSD	.41213	.31025	.41692	.11860	.27578	.55599	.55599	.40483	.37071	.61814
#1	11.096	.48296	460.90	.51916	2.3176	20.399	43.653	2.0201	3.0610	1.0380
#2	11.031	.48084	458.19	.51829	2.3267	20.239	43.311	2.0085	3.0450	1.0290
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		200.00					2.0000		
Low Limit	-1.0000		-.20000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0184**	**1.9375**	**2.1771**	**.52223**	**.55395**	**.52870**
Stddev	.0061	.0063	.0274	.00087	.00575	.00038
%RSD	.60003	.32239	1.2568	.16620	1.0377	.07119
#1	1.0227	1.9419	2.1578	.52284	.55802	.52897
#2	1.0140	1.9331	2.1965	.52162	.54989	.52844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3597.6**	**56960.**	**5982.2**
Stddev	9.8	199.	7.5
%RSD	.27239	.34940	.12483
#1	3590.7	56819.	5987.5
#2	3604.5	57101.	5977.0

Sample Name: 280-27273-f-5-c msd Acquired: 4/10/2012 12:29:56 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05693**	**1.8104**	**1.0611**	**1.1624**	**2.1837**	**.04957**	F **2.1973**	**392.88**	**.10919**	**.49207**
Stddev	.00187	.0079	.0052	.0020	.0114	.00012	.0101	.98	.00001	.00044
%RSD	3.2903	.43865	.48922	.17120	.52288	.23672	.45807	.25020	.01015	.08900
#1	.05825	1.8160	1.0574	1.1638	2.1918	.04966	2.2044	392.18	.10918	.49176
#2	.05560	1.8048	1.0648	1.1610	2.1756	.04949	2.1902	393.57	.10920	.49238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20225**	**.26910**	**1.9302**	W **169.03**	**1.2960**	**190.90**	**5.9681**	**1.0233**	**102.88**	**.49623**
Stddev	.00083	.00139	.0129	1.11	.0048	1.09	.0593	.0046	.59	.00122
%RSD	.41005	.51631	.67060	.65613	.36919	.56903	.99330	.45004	.57725	.24665
#1	.20284	.27008	1.9394	169.81	1.2993	190.14	5.9262	1.0266	103.30	.49709
#2	.20167	.26811	1.9211	168.25	1.2926	191.67	6.0100	1.0201	102.46	.49536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.958**	**.47823**	F **448.13**	**.51802**	**2.3006**	**19.910**	**42.607**	**1.9991**	**2.9934**	**1.0155**
Stddev	.012	.00099	1.31	.00025	.0008	.062	.132	.0018	.0137	.0059
%RSD	.10927	.20657	.29227	.04853	.03382	.30977	.30977	.09055	.45687	.58058
#1	10.967	.47893	449.06	.51784	2.3011	19.953	42.700	2.0003	3.0030	1.0196
#2	10.950	.47753	447.21	.51820	2.3000	19.866	42.514	1.9978	2.9837	1.0113
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0043**	**1.9232**	**2.1570**	**.51228**	**.53642**	**.51968**
Stddev	.0028	.0033	.0128	.00346	.00000	.00016
%RSD	.28108	.17031	.59318	.67548	.00051	.03109
#1	1.0063	1.9256	2.1479	.51473	.53642	.51957
#2	1.0023	1.9209	2.1660	.50983	.53641	.51980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3623.5**	**57418.**	**6070.5**
Stddev	2.5	229.	38.2
%RSD	.06950	.39801	.62863
#1	3621.7	57579.	6043.6
#2	3625.3	57256.	6097.5

Sample Name: 280-27273-f-1-a Acquired: 4/10/2012 12:32:22 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00072	.00875	.26360	.22185	.21156	.00000	.00012	33.681	.00022	.00008
Stddev	.00024	.00029	.00121	.00062	.00145	.0000	.00106	.212	.00023	.00017
%RSD	33.114	3.3296	.45819	.28073	.68711	478.02	847.57	.63025	106.88	200.14
#1	.00089	.00854	.26274	.22229	.21053	.00000	-.00062	33.531	.00038	-.00004
#2	.00055	.00896	.26445	.22140	.21259	-.00001	.00087	33.831	.00005	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	.00069	1.5372	29.514	.04673	39.193	.10626	.00250	51.301	-.00007
Stddev	.00002	.00037	.0021	.193	.00080	.244	.00116	.00066	.599	.00001
%RSD	2.1408	53.857	.13724	.65257	1.7149	.62243	1.0940	26.503	1.1682	12.276
#1	.00076	.00043	1.5357	29.378	.04730	39.021	.10543	.00203	50.877	-.00008
#2	.00073	.00095	1.5387	29.651	.04617	39.366	.10708	.00296	51.725	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2920	.00101	.14216	-.00167	.00105	20.958	44.850	.00096	.24725	-.00124
Stddev	.0050	.00062	.00289	.00122	.00067	.104	.223	.00033	.00157	.00019
%RSD	.38859	62.129	2.0330	73.466	63.634	.49700	.49700	34.226	.63675	14.887
#1	1.2956	.00056	.14421	-.00253	.00153	20.885	44.693	.00120	.24613	-.00137
#2	1.2885	.00145	.14012	-.00080	.00058	21.032	45.008	.00073	.24836	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00084	.00261	.00898	.00046	.00282	.00067
Stddev	.00003	.00028	.02324	.00016	.00007	.00054
%RSD	3.4521	10.901	258.83	34.655	2.5104	79.976
#1	.00082	.00281	-.00745	.00057	.00287	.00105
#2	.00086	.00240	.02541	.00035	.00277	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3962.3	62062.	6303.2
Stddev	1.4	666.	25.7
%RSD	.03541	1.0724	.40699
#1	3961.3	62532.	6321.4
#2	3963.3	61591.	6285.1

Sample Name: 280-27273-f-2-a Acquired: 4/10/2012 12:34:46 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00245**	**.00035**	**.00150**	**.00035**	**.00003**	**.00055**	**.01716**	**-.00008**	**.00004**
Stddev	.00017	.00039	.00170	.00049	.00013	.00001	.00189	.00226	.00002	.00010
%RSD	39.108	15.853	482.83	32.687	38.527	27.302	344.08	13.175	18.588	228.87
#1	.00032	.00218	-.00085	.00185	.00025	.00004	-.00079	.01876	-.00009	.00011
#2	.00056	.00273	.00156	.00116	.00044	.00003	.00189	.01556	-.00007	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00017**	**.00643**	**.12609**	**.00014**	**.00597**	**.00012**	**.00002**	**.18102**	**-.00011**
Stddev	.00023	.00036	.00009	.01140	.00047	.00112	.00002	.00010	.01666	.00027
%RSD	222.53	210.61	1.4189	9.0417	325.90	18.715	15.797	527.86	9.2037	238.25
#1	.00027	.00008	.00636	.13415	.00048	.00676	.00013	-.00005	.19281	-.00030
#2	-.00006	-.00043	.00649	.11803	-.00019	.00518	.00011	.00009	.16924	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**-.00046**	**.06022**	**-.00279**	**-.00129**	**.01425**	**.03049**	**.00076**	**.00004**	**-.00006**
Stddev	.00282	.00063	.00181	.00040	.00147	.00474	.01014	.00104	.00007	.00056
%RSD	353.49	137.50	3.0014	14.380	114.51	33.272	33.272	136.57	150.50	887.03
#1	-.00279	-.00090	.05894	-.00308	-.00233	.01760	.03766	.00003	.00000	-.00046
#2	.00119	-.00001	.06150	-.00251	-.00024	.01089	.02331	.00149	.00009	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00109**	**.03416**	**.00022**	**.00211**	**-.00022**
Stddev	.00017	.00045	.00156	.00016	.00052	.00082
%RSD	1053.2	41.079	4.5656	73.228	24.412	369.79
#1	-.00010	-.00140	.03526	.00034	.00175	-.00080
#2	.00013	-.00077	.03306	.00011	.00248	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.9**	**65526.**	**6413.9**
Stddev	9.1	273.	21.0
%RSD	.22002	.41706	.32765
#1	4156.3	65719.	6399.1
#2	4143.4	65333.	6428.8

Sample Name: CCVH-1351956 Acquired: 4/10/2012 12:37:12 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**52.782**	**-.00419**	**.00274**	**.00035**	**.00001**	**1.0311**	**-.00408**	**.00003**	**.00027**	**.00036**	**.00370**	**52.843**
Stddev	.00000	.786	.00009	.00067	.00000	.00000	.0032	.00154	.00006	.00016	.00020	.00026	.510
%RSD	.06549	1.4885	2.1161	24.593	1.0926	.78557	.31459	37.623	196.99	57.574	56.167	6.9643	.96441
#1	.00155	53.337	-.00425	.00322	.00035	.00001	1.0334	-.00517	-.00001	.00038	.00050	.00352	53.203
#2	.00155	52.226	-.00412	.00227	.00035	.00001	1.0288	-.00300	.00008	.00016	.00022	.00388	52.482
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10020**	**.00060**	**.01755**	**.00003**	**-.00070**	**269.03**	**.00154**	**.00349**	**-.00196**	**5.1130**	**-.00337**	**-.00372**	**.01067**
Stddev	.01977	.00164	.00007	.00011	.00017	3.90	.00018	.00184	.00124	.0043	.00016	.00317	.00186
%RSD	19.731	275.30	.37715	399.19	24.646	1.4497	11.612	52.724	62.922	.08303	4.6987	85.272	17.452
#1	.08622	-.00056	.01750	-.00005	-.00082	271.79	.00166	.00479	-.00109	5.1100	-.00349	-.00148	.01198
#2	.11418	.00175	.01760	.00010	-.00058	266.27	.00141	.00219	-.00284	5.1160	-.00326	-.00596	.00935
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02283**	**.00158**	**.00038**	**5.0520**	**.00225**	**-.00064**	**10.050**	**.00201**	**.00123**	**.01575**
Stddev	.00398	.00022	.00004	.0343	.00004	.00046	.046	.00047	.00065	.00416
%RSD	17.452	14.175	9.6533	.67933	1.7557	72.716	.45477	23.442	52.964	26.427
#1	.02565	.00174	.00040	5.0762	.00228	-.00031	10.082	.00167	.00077	.01869
#2	.02001	.00142	.00035	5.0277	.00222	-.00096	10.017	.00234	.00169	.01280
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3962.1**	**61373.**	**6221.3**
Stddev	6.0	401.	43.9
%RSD	.15069	.65321	.70488
#1	3957.8	61090.	6190.3
#2	3966.3	61657.	6252.3

Sample Name: CCV-1351954 Acquired: 4/10/2012 12:39:32 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51716**	**.50453**	**.97505**	**.51119**	**.53021**	**.50422**	**-.00220**	**5.1024**	**.51424**	**.50679**	**.50777**	**.51846**	**2.6308**
Stddev	.01508	.00191	.00081	.00066	.00244	.00178	.00142	.0107	.00005	.00057	.00192	.01356	.0082
%RSD	2.9150	.37935	.08332	.12905	.46018	.35230	64.684	.20989	.00926	.11177	.37754	2.6156	.31179
#1	.50650	.50318	.97562	.51165	.53194	.50548	-.00119	5.1099	.51421	.50719	.50913	.50887	2.6366
#2	.52782	.50588	.97448	.51072	.52849	.50297	-.00320	5.0948	.51427	.50639	.50641	.52805	2.6250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.686**	**1.0516**	**19.814**	**.50519**	**.50514**	**5.2359**	**.50636**	**.98961**	**.97085**	**.05684**	**1.0060**	**1.0408**	**5.0473**
Stddev	.121	.0016	.595	.01525	.00153	.0190	.00038	.00252	.00201	.00096	.0022	.0110	.0053
%RSD	.22937	.14998	3.0053	3.0179	.30236	.36243	.07420	.25458	.20729	1.6832	.21575	1.0523	.10404
#1	52.771	1.0527	19.393	.49441	.50622	5.2493	.50662	.99139	.97227	.05752	1.0075	1.0486	5.0510
#2	52.601	1.0505	20.235	.51598	.50406	5.2225	.50609	.98783	.96943	.05617	1.0044	1.0331	5.0436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.801**	**1.0242**	**.52169**	**-.00172**	**.49714**	**1.0537**	**.00300**	**.50323**	**.48089**	**.52341**
Stddev	.011	.0007	.00214	.00066	.01490	.0044	.01872	.01641	.01611	.00157
%RSD	.10404	.06484	.40996	38.672	2.9962	.41841	624.29	3.2606	3.3492	.29946
#1	10.809	1.0238	.52320	-.00125	.48661	1.0568	-.01024	.49162	.46950	.52452
#2	10.793	1.0247	.52017	-.00219	.50767	1.0506	.01624	.51483	.49228	.52231
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4036.6**	**63200.**	**6165.4**
Stddev	3.7	1291.	15.8
%RSD	.09263	2.0433	.25604
#1	4039.2	64113.	6176.5
#2	4033.9	62287.	6154.2

Sample Name: CCB Acquired: 4/10/2012 12:41:44 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00045**	**.00350**	**.00101**	**.00026**	**.00000**	**-.00300**	**.00041**	**.00011**	**-.00002**	**.00006**	**-.00126**
Stddev	.00033	.00002	.00662	.00041	.00018	.00001	.00014	.00122	.00001	.00022	.00025	.00016
%RSD	65.164	4.3625	189.19	40.117	67.884	621.72	4.6790	299.80	6.2736	1339.7	398.40	13.023
#1	.00027	.00044	-.00118	.00072	.00014	.00000	-.00290	-.00046	.00011	.00014	-.00012	-.00114
#2	.00074	.00046	.00818	.00130	.00039	.00001	-.00310	.00127	.00012	-.00017	.00024	-.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00249**	**.08103**	**.00022**	**.00498**	**.00008**	**.00114**	W **.12247**	**-.00022**	**.00080**	**-.00017**	**.04503**	**-.00040**
Stddev	.00098	.00467	.00153	.00042	.00011	.00055	.01025	.00004	.00051	.00188	.00159	.00167
%RSD	39.188	5.7682	690.57	8.3869	134.75	48.249	8.3713	17.082	63.841	1097.2	3.5402	418.43
#1	.00180	.07773	-.00086	.00527	.00017	.00075	.12972	-.00020	.00115	-.00150	.04616	-.00158
#2	.00318	.08434	.00130	.00468	.00000	.00153	.11522	-.00025	.00044	.00116	.04391	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**-.00204**	**-.00437**	**.00121**	**.00006**	**-.00005**	**-.00007**	**-.00131**	**.02368**	**.00049**	**.00149**	**-.00032**
Stddev	.00289	.02627	.05621	.00078	.00003	.00002	.00012	.00067	.00694	.00074	.00042	.00056
%RSD	366.91	1286.0	1286.0	64.638	45.583	37.296	178.36	50.936	29.297	151.75	28.231	173.65
#1	-.00283	-.02062	-.04412	.00066	.00004	-.00007	-.00016	-.00084	.01877	.00101	.00119	.00007
#2	.00126	.01653	.03538	.00176	.00008	-.00004	.00002	-.00178	.02858	-.00004	.00179	-.00072
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4091.4**	**64654.**	**6067.2**
Stddev	9.4	109.	32.7
%RSD	.22915	.16849	.53820
#1	4098.0	64731.	6044.1
#2	4084.8	64577.	6090.3

Sample Name: CCVL1351959 Acquired: 4/10/2012 12:44:10 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01099**	**.10532**	**.01757**	**.09573**	**.01094**	**.00103**	**.10760**	**.20589**	**.00533**	**.01040**	**.01038**	**.01505**	**.10701**
Stddev	.00026	.00001	.00312	.00007	.00014	.00004	.00175	.00320	.00015	.00029	.00007	.00016	.00036
%RSD	2.4118	.00838	17.777	.07406	1.2881	3.5836	1.6289	1.5552	2.8327	2.7644	.64748	1.0328	.33437
#1	.01080	.10532	.01978	.09578	.01104	.00100	.10636	.20816	.00543	.01019	.01043	.01494	.10727
#2	.01117	.10531	.01536	.09568	.01084	.00105	.10884	.20363	.00522	.01060	.01033	.01516	.10676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2983**	F **.01317**	**.20862**	**.01045**	**.01960**	**1.1968**	**.04176**	**2.7649**	**.01064**	**.03991**	**.00804**	**.01313**	**.49993**
Stddev	.0609	.00153	.00016	.00010	.00027	.0146	.00025	.0037	.00018	.00178	.00028	.00016	.00736
%RSD	1.8452	11.629	.07674	.96598	1.3621	1.2204	.60905	.13367	1.6615	4.4642	3.5409	1.1826	1.4723
#1	3.3414	.01209	.20873	.01038	.01941	1.2071	.04194	2.7623	.01076	.03865	.00824	.01302	.49473
#2	3.2553	.01425	.20850	.01052	.01979	1.1865	.04158	2.7675	.01051	.04117	.00783	.01324	.50514
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0699**	**.10148**	**.01070**	**.01574**	**.00983**	**.01475**	**.05786**	**.01015**	**.02063**	**.01583**
Stddev	.0158	.00129	.00008	.00088	.00013	.00170	.01491	.00027	.00019	.00138
%RSD	1.4723	1.2702	.77151	5.5789	1.2753	11.536	25.773	2.6861	.92628	8.6962
#1	1.0587	.10057	.01064	.01636	.00992	.01354	.04732	.00995	.02050	.01485
#2	1.0810	.10239	.01076	.01512	.00974	.01595	.06841	.01034	.02077	.01680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4097.8**	**65062.**	**6175.9**
Stddev	2.5	260.	41.3
%RSD	.06056	.40037	.66937
#1	4099.6	65246.	6146.6
#2	4096.1	64878.	6205.1

Sample Name: 280-27273-f-3-a Acquired: 4/10/2012 12:46:34 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00089**	s **.00377**	s **.43805**	s **.41047**	**.16437**	k **-.00003**	s **-.00253**	**22.507**	s **.00150**	s **-.00030**
Stddev	.00023	.00181	.06344	.06042	.00038	.00000	.00188	.075	.00184	.00012
%RSD	26.176	47.950	14.482	14.719	.23035	15.277	74.297	.33376	122.73	38.369
#1	k .00072	s .00505	s .48291	s .45319	.16410	k -.00003	s -.00386	22.454	s .00280	s -.00038
#2	.00105	.00249	.39320	.36775	.16463	-.00004	-.00120	22.560	.00020	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00028**	k **.00030**	**1.4641**	**30.388**	**.05029**	**31.262**	k **.07255**	s **-.00010**	**101.87**	s **.00020**
Stddev	.00004	.00032	.0034	.127	.00076	.086	.00009	.00008	.69	.00002
%RSD	14.460	106.11	.23371	.41904	1.5113	.27651	.13042	82.073	.67577	7.7068
#1	s .00031	k .00008	1.4617	30.298	.04975	31.201	k .07249	s -.00004	101.39	s .00019
#2	.00025	.00053	1.4665	30.478	.05083	31.323	.07262	-.00016	102.36	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **1.6938**	s **.00125**	s **.17558**	s **-.00387**	s **.00154**	k **21.146**	k **45.253**	s **.00097**	**.18931**	k **-.00132**
Stddev	.2402	.00136	.02706	.00033	.00692	.097	.208	.00019	.00057	.00093
%RSD	14.183	109.36	15.409	8.4963	448.63	.45978	.45978	19.290	.30075	70.221
#1	s 1.8637	s .00028	s .19471	s -.00364	s .00644	k 21.078	k 45.106	s .00084	.18890	k -.00067
#2	1.5239	.00221	.15645	-.00410	-.00335	21.215	45.400	.00111	.18971	-.00198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00049**	s **.00049**	k **.00375**	k **.00063**	k **.00239**	k **.00160**
Stddev	.00000	.00072	.01486	.00016	.00023	.00017
%RSD	.30052	149.07	396.38	25.696	9.4978	10.541
#1	k .00049	s .00100	k -.00676	k .00074	k .00223	k .00148
#2	.00049	-.00003	.01426	.00052	.00256	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	**62072.**	**6227.8**
Stddev	-----	300.	57.0
%RSD	-----	.48253	.91453
#1	^ -----	62284.	6268.1
#2	3986.2	61861.	6187.5

Sample Name: 280-27273-f-4-a Acquired: 4/10/2012 12:48:56 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00213**	**.30655**	**.25997**	**.17936**	**.00005**	**-.00182**	**28.858**	**.00018**	**-.00001**
Stddev	.00007	.00067	.00066	.00069	.00056	.00008	.00090	.030	.00004	.00015
%RSD	12.197	31.517	.21389	.26466	.30995	177.27	49.466	.10468	19.701	1599.6
#1	.00056	.00260	.30609	.25949	.17976	.00011	-.00245	28.879	.00016	.00009
#2	.00066	.00165	.30702	.26046	.17897	-.00001	-.00118	28.836	.00021	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00016**	**1.7849**	**31.352**	**.04517**	**37.763**	**.13475**	**-.00001**	**61.585**	**-.00012**
Stddev	.00018	.00066	.0006	.078	.00187	.195	.00078	.00012	.224	.00020
%RSD	56.178	409.03	.03355	.24779	4.1439	.51764	.57614	1019.3	.36437	165.74
#1	.00044	-.00063	1.7844	31.407	.04649	37.901	.13530	-.00009	61.743	.00002
#2	.00019	.00031	1.7853	31.297	.04384	37.625	.13420	.00007	61.426	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5446**	**.00053**	**.12712**	**-.00299**	**.00329**	**22.039**	**47.164**	**-.00110**	**.21373**	**-.00075**
Stddev	.0064	.00116	.00305	.00055	.00225	.081	.173	.00096	.00079	.00050
%RSD	.41655	220.14	2.4023	18.549	68.478	.36693	.36693	87.514	.37175	66.731
#1	1.5401	-.00029	.12928	-.00338	.00488	22.096	47.286	-.00178	.21430	-.00040
#2	1.5492	.00135	.12497	-.00259	.00170	21.982	47.042	-.00042	.21317	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00097**	**.00032**	**.00045**	**.00191**	**-.00011**
Stddev	.00016	.00024	.01107	.00057	.00020	.00096
%RSD	36.711	25.174	3441.4	126.76	10.267	869.69
#1	.00054	.00080	.00815	.00005	.00204	-.00079
#2	.00032	.00114	-.00750	.00085	.00177	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3987.4**	**62194.**	**6257.5**
Stddev	16.7	186.	13.9
%RSD	.41960	.29896	.22145
#1	3999.3	62063.	6267.3
#2	3975.6	62326.	6247.7

Sample Name: 280-27273-f-7-a Acquired: 4/10/2012 12:51:19 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00141**	**.01477**	**.77284**	**.28813**	**.00002**	**-.00737**	W **931.70**	**.00115**	**.00328**
Stddev	.00000	.00021	.00013	.00593	.00058	.00000	.00148	22.36	.00018	.00001
%RSD	.35412	14.987	.90142	.76709	.20173	9.1282	20.116	2.3997	15.784	.19056
#1	.00060	.00156	.01468	.77704	.28854	.00002	-.00632	915.89	.00127	.00328
#2	.00060	.00126	.01487	.76865	.28772	.00002	-.00841	947.51	.00102	.00327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00293**	**.04569**	W **118.99**	**.42880**	**466.79**	**.73032**	**.01168**	**96.933**	**.00471**
Stddev	.00007	.00052	.00136	.24	.00298	.02	.00042	.00058	.070	.00036
%RSD	5.3527	17.845	2.9661	.20263	.69519	.00412	.05790	4.9448	.07171	7.6919
#1	.00131	.00330	.04665	119.16	.43091	466.80	.73002	.01209	96.982	.00496
#2	.00141	.00256	.04473	118.82	.42669	466.78	.73062	.01127	96.884	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11485**	**.00523**	**162.69**	W **-.01153**	**.00999**	**27.119**	**58.036**	**.00053**	W **7.0617**	**-.00260**
Stddev	.00105	.00005	.27	.00125	.00326	.077	.165	.00014	.0883	.00183
%RSD	.91364	1.0407	.16652	10.807	32.676	.28420	.28420	26.981	1.2510	70.344
#1	.11559	.00519	162.88	-.01241	.00768	27.174	58.152	.00043	7.1241	-.00389
#2	.11411	.00527	162.49	-.01065	.01230	27.065	57.919	.00064	6.9992	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				2.0000					5.0000	
Low Limit				-.01000					-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00274**	**.02368**	**.00323**	**.00208**	**-.00009**
Stddev	.00010	.00022	.03231	.00003	.00012	.00133
%RSD	14.674	7.9486	136.44	.78101	5.6389	1481.6
#1	.00059	.00258	.04653	.00325	.00200	.00085
#2	.00073	.00289	.00083	.00321	.00216	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3378.1**	**53343.**	**5897.2**
Stddev	4.8	69.	5.4
%RSD	.14341	.12978	.09181
#1	3374.7	53294.	5901.1
#2	3381.5	53392.	5893.4

Sample Name: 280-27273-f-8-a Acquired: 4/10/2012 12:53:58 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00080**	**.00853**	**.77322**	**.28619**	**-.00004**	**-.00581**	W **906.33**	**.00105**	**.00331**
Stddev	.00028	.00053	.00298	.00008	.00235	.00001	.00119	7.39	.00009	.00010
%RSD	98.852	66.382	34.886	.01040	.82190	21.385	20.433	.81557	9.0086	3.1421
#1	.00009	.00042	.01064	.77317	.28453	-.00003	-.00665	911.56	.00112	.00339
#2	.00049	.00117	.00643	.77328	.28786	-.00004	-.00497	901.11	.00098	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00314**	**.04801**	W **115.14**	**.42150**	**462.78**	**.72053**	**.01094**	**95.718**	**.00525**
Stddev	.00003	.00016	.00167	.80	.00335	3.08	.00248	.00005	.531	.00033
%RSD	2.5495	5.1024	3.4886	.69060	.79470	.66539	.34477	.45745	.55433	6.2935
#1	.00115	.00303	.04920	114.57	.41913	460.61	.71878	.01090	95.343	.00501
#2	.00119	.00325	.04683	115.70	.42387	464.96	.72229	.01097	96.094	.00548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11246**	**.00595**	**158.08**	**-.00796**	**.00515**	**26.964**	**57.703**	**.00045**	W **6.8915**	**-.00281**
Stddev	.00188	.00051	.16	.00207	.00036	.137	.293	.00219	.0007	.00013
%RSD	1.6757	8.4848	.09867	26.050	6.9751	.50810	.50810	486.11	.00995	4.5025
#1	.11380	.00560	158.19	-.00943	.00541	26.867	57.496	-.00110	6.8910	-.00290
#2	.11113	.00631	157.97	-.00650	.00490	27.061	57.911	.00200	6.8920	-.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00121**	**.02341**	**.00307**	**.00242**	**-.00055**
Stddev	.00022	.00191	.03747	.00019	.00026	.00034
%RSD	29.163	157.95	160.07	6.1156	10.796	62.036
#1	.00090	-.00014	-.00309	.00321	.00224	-.00031
#2	.00059	.00255	.04991	.00294	.00261	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3398.3**	**53307.**	**5926.2**
Stddev	3.9	237.	7.5
%RSD	.11497	.44394	.12646
#1	3401.0	53474.	5931.5
#2	3395.5	53140.	5920.9

Sample Name: 280-27273-f-9-a Acquired: 4/10/2012 12:56:36 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00073**	**.02391**	**1.0997**	**.04831**	**-.00002**	**-.00059**	**133.33**	**.00051**	**.00078**
Stddev	.00042	.00031	.00033	.0022	.00075	.00000	.00229	1.16	.00004	.00012
%RSD	38.353	42.071	1.3971	.19953	1.5524	14.192	386.94	.87310	7.5507	15.149
#1	.00139	.00051	.02415	1.1012	.04884	-.00001	-.00221	134.15	.00048	.00069
#2	.00080	.00095	.02367	1.0981	.04778	-.00002	.00103	132.50	.00053	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00280**	**.00530**	W **221.19**	**.35079**	**159.35**	**.49670**	**.01769**	**240.57**	**.00324**
Stddev	.00003	.00020	.00118	2.32	.00136	1.08	.00402	.00003	3.25	.00023
%RSD	5.2619	7.1843	22.335	1.0484	.38757	.67969	.80858	.17795	1.3499	7.1605
#1	.00051	.00266	.00614	222.83	.35175	160.11	.49954	.01772	242.86	.00340
#2	.00047	.00294	.00446	219.55	.34983	158.58	.49386	.01767	238.27	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38706**	**.00248**	F **265.71**	**-.00418**	**.01074**	**13.619**	**29.146**	**.00016**	**1.5266**	**-.00201**
Stddev	.00363	.00049	.80	.00161	.00309	.134	.286	.00050	.0177	.00157
%RSD	.93741	19.801	.30068	38.517	28.793	.98176	.98176	316.35	1.1629	78.025
#1	.38450	.00213	266.28	-.00304	.01293	13.714	29.348	-.00020	1.5392	-.00311
#2	.38963	.00282	265.15	-.00532	.00855	13.525	28.943	.00051	1.5140	-.00090
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00088**	**.01441**	**.00470**	**.00251**	**.00061**
Stddev	.00027	.00053	.00579	.00018	.00046	.00080
%RSD	131.36	60.289	40.179	3.8792	18.352	130.32
#1	.00040	.00126	.01851	.00457	.00284	.00005
#2	.00001	.00051	.01032	.00483	.00219	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3707.2**	**57747.**	**6159.7**
Stddev	4.2	237.	21.2
%RSD	.11398	.41055	.34339
#1	3704.2	57579.	6144.8
#2	3710.2	57914.	6174.7

Sample Name: 280-27273-f-10-a Acquired: 4/10/2012 12:58:58 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00255**	**.06053**	**.48895**	**.38707**	**.00004**	**-.00027**	**64.874**	**.00045**	**.00035**
Stddev	.00009	.00093	.00026	.00219	.00170	.00005	.00145	.339	.00000	.00016
%RSD	16.177	36.401	.42191	.44750	.44004	127.04	546.22	.52195	.21643	46.198
#1	.00061	.00321	.06035	.48741	.38827	.00000	.00076	65.113	.00045	.00047
#2	.00049	.00190	.06071	.49050	.38586	.00008	-.00129	64.634	.00045	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00059**	**3.0366**	**84.460**	**.11452**	**94.168**	**.28153**	**.00931**	**137.17**	**.00033**
Stddev	.00004	.00021	.0150	.252	.00086	1.219	.00387	.00040	.62	.00000
%RSD	9.1196	35.796	.49398	.29871	.75223	1.2948	1.3750	4.3311	.44854	1.1524
#1	.00041	.00074	3.0472	84.639	.11513	95.030	.28426	.00903	137.61	.00032
#2	.00046	.00044	3.0260	84.282	.11391	93.306	.27879	.00960	136.74	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1975**	**.00142**	**104.74**	**-.00277**	**-.00066**	**16.490**	**35.289**	**.00003**	**.78253**	**-.00173**
Stddev	.0055	.00023	.13	.00080	.00219	.032	.068	.00023	.00239	.00076
%RSD	.46114	16.328	.12379	28.861	332.32	.19158	.19158	814.29	.30493	43.925
#1	1.1936	.00158	104.64	-.00334	-.00220	16.513	35.337	.00019	.78422	-.00119
#2	1.2014	.00125	104.83	-.00221	.00089	16.468	35.241	-.00013	.78085	-.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00100**	**.00564**	**.00130**	**.00244**	**-.00016**
Stddev	.00009	.00042	.01622	.00009	.00032	.00055
%RSD	51.209	41.842	287.43	7.0768	13.137	345.73
#1	.00024	.00070	.01711	.00136	.00267	.00023
#2	.00011	.00130	-.00583	.00123	.00221	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3851.8**	**60258.**	**6204.2**
Stddev	.6	723.	20.2
%RSD	.01481	1.1991	.32482
#1	3852.2	59747.	6189.9
#2	3851.4	60769.	6218.4

Sample Name: 280-27273-f-11-a Acquired: 4/10/2012 13:01:18 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.00081**	**.00150**	**.00067**	**.00026**	**.00006**	**.00150**	**.01502**	**.00004**	**.00004**
Stddev	.00004	.00014	.00092	.00047	.00001	.00003	.00043	.00003	.00005	.00004
%RSD	4.2740	17.717	61.623	70.403	3.4031	43.489	28.494	.17801	130.02	90.460
#1	.00093	.00091	.00215	.00100	.00026	.00004	.00120	.01500	.00007	.00002
#2	.00099	.00071	.00084	.00033	.00025	.00008	.00180	.01504	.00000	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00064**	**.00525**	**.20722**	**.00078**	**.00448**	**.00004**	**.00014**	**.17737**	**.00002**
Stddev	.00030	.00010	.00052	.01224	.00042	.00012	.00004	.00010	.00790	.00033
%RSD	162.01	14.968	9.9321	5.9079	53.745	2.5710	98.969	68.552	4.4542	1303.2
#1	.00040	-.00058	.00488	.19856	.00108	.00456	.00001	.00021	.18296	.00025
#2	-.00003	-.00071	.00562	.21588	.00048	.00439	.00007	.00007	.17178	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**.00035**	**.03379**	**-.00340**	**-.00041**	**.00773**	**.01654**	**.00046**	**.00004**	**-.00030**
Stddev	.00088	.00213	.00117	.00212	.00091	.02682	.05739	.00006	.00000	.00025
%RSD	104.38	606.22	3.4564	62.277	223.80	347.00	347.00	13.763	10.557	83.250
#1	-.00147	-.00116	.03461	-.00191	.00024	-.01123	-.02404	.00050	.00004	-.00047
#2	-.00022	.00186	.03296	-.00490	-.00105	.02669	.05712	.00041	.00003	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00077**	**-.01535**	**.00025**	**.00210**	**.00017**
Stddev	.00006	.00044	.01674	.00001	.00008	.00054
%RSD	85.205	57.533	109.03	4.1091	3.7378	314.53
#1	-.00003	-.00045	-.00352	.00025	.00216	.00055
#2	-.00011	-.00108	-.02719	.00026	.00205	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4179.4**	**65819.**	**6288.0**
Stddev	5.0	648.	71.2
%RSD	.12019	.98433	1.1320
#1	4175.8	65361.	6338.3
#2	4183.0	66277.	6237.7

Sample Name: 280-27273-f-12-a Acquired: 4/10/2012 13:03:43 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00766**	**.13897**	**.93041**	**.30152**	**-.00003**	**-.00153**	**54.353**	**.00036**	**-.00037**
Stddev	.00047	.00012	.00088	.00274	.00075	.00007	.00277	.092	.00013	.00005
%RSD	56.416	1.5368	.63562	.29417	.24958	204.48	180.80	.16878	36.250	14.317
#1	.00116	.00757	.13835	.92847	.30205	.00002	-.00349	54.288	.00027	-.00034
#2	.00050	.00774	.13960	.93234	.30098	-.00009	.00043	54.418	.00046	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00117**	**.34793**	**83.408**	**.13538**	**81.765**	**.13174**	**.01453**	**237.56**	**.00053**
Stddev	.00020	.00035	.00336	.037	.00046	.506	.00052	.00022	.07	.00019
%RSD	34.334	29.802	.96634	.04434	.34168	.61934	.39741	1.5285	.02996	36.970
#1	.00044	.00092	.34556	83.434	.13571	82.123	.13211	.01468	237.51	.00066
#2	.00072	.00142	.35031	83.381	.13506	81.407	.13137	.01437	237.61	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3880**	**.00145**	**95.113**	**-.00353**	**.00190**	**20.677**	**44.249**	**-.00044**	**.73312**	**-.00277**
Stddev	.0026	.00112	.162	.00027	.00441	.030	.064	.00104	.00135	.00056
%RSD	.18731	77.049	.17062	7.7800	231.62	.14505	.14505	235.64	.18449	20.079
#1	1.3862	.00225	94.998	-.00334	-.00121	20.656	44.204	-.00118	.73408	-.00237
#2	1.3899	.00066	95.228	-.00372	.00502	20.698	44.294	.00029	.73216	-.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00016**	**-.00098**	**.00209**	**.00155**	**.00086**
Stddev	.00027	.00033	.01023	.00017	.00013	.00103
%RSD	27.638	201.77	1043.3	7.9818	8.4016	119.64
#1	.00117	.00040	.00626	.00221	.00145	.00013
#2	.00079	-.00007	-.00822	.00197	.00164	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3853.4**	**60346.**	**6155.9**
Stddev	12.5	157.	3.3
%RSD	.32406	.26044	.05429
#1	3862.2	60234.	6158.3
#2	3844.5	60457.	6153.6

Sample Name: 280-27273-f-13-a Acquired: 4/10/2012 13:06:04 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00138**	**.02797**	**.83463**	**.11631**	**-.00005**	**-.00151**	**87.539**	**.00047**	**-.00002**
Stddev	.00008	.00022	.00523	.00110	.00003	.00001	.00005	.073	.00005	.00021
%RSD	9.0126	16.200	18.688	.13232	.02483	28.798	3.5664	.08365	11.459	1131.1
#1	.00078	.00154	.02427	.83541	.11633	-.00006	-.00155	87.590	.00051	-.00017
#2	.00089	.00122	.03167	.83385	.11629	-.00004	-.00147	87.487	.00043	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00189**	**.00419**	W **214.11**	**.25309**	**121.97**	**.07987**	**.00805**	**138.93**	**.00154**
Stddev	.00003	.00015	.00019	.45	.00154	.76	.00077	.00044	.14	.00002
%RSD	4.7379	7.7679	4.6528	.20810	.60759	.62314	.96539	5.5266	.09872	1.5101
#1	.00074	.00179	.00405	213.79	.25418	121.43	.07932	.00836	139.03	.00156
#2	.00069	.00200	.00433	214.42	.25201	122.50	.08041	.00773	138.83	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32700**	**.00023**	**122.74**	**-.00186**	**.01451**	**18.169**	**38.882**	**.00052**	**1.2486**	**-.00216**
Stddev	.00056	.00177	.04	.00204	.00342	.023	.048	.00044	.0029	.00098
%RSD	.17090	778.60	.03425	109.38	23.588	.12414	.12414	85.165	.23003	45.314
#1	.32740	-.00102	122.77	-.00042	.01209	18.185	38.916	.00083	1.2466	-.00146
#2	.32661	.00148	122.71	-.00330	.01693	18.153	38.847	.00021	1.2507	-.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00060**	**.01747**	**.00664**	**.00234**	**.00156**
Stddev	.00017	.00159	.00045	.00004	.00065	.00013
%RSD	52.414	265.26	2.5760	.62133	27.808	8.5277
#1	.00021	.00053	.01716	.00667	.00281	.00166
#2	.00045	-.00173	.01779	.00661	.00188	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3795.2**	**59159.**	**6218.6**
Stddev	9.8	62.	.2
%RSD	.25878	.10477	.00301
#1	3788.2	59116.	6218.5
#2	3802.1	59203.	6218.8

Sample Name: 280-27273-f-14-a Acquired: 4/10/2012 13:08:26 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114448 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00217**	**.01639**	**1.3819**	**.07822**	**.00001**	**-.00285**	**165.24**	**.00054**	**.00016**
Stddev	.00043	.00003	.00255	.0070	.00032	.00004	.00085	.58	.00006	.00007
%RSD	49.579	1.5542	15.586	.50431	.40680	512.14	29.834	.34950	10.799	46.043
#1	.00056	.00219	.01458	1.3869	.07799	-.00002	-.00225	164.83	.00058	.00021
#2	.00117	.00214	.01819	1.3770	.07844	.00004	-.00345	165.64	.00050	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00190**	**.00251**	**.02190**	W **100.93**	**.21156**	**134.64**	**.01760**	**.00593**	**96.217**	**.00239**
Stddev	.00006	.00011	.00122	.31	.00244	.16	.00011	.00020	.437	.00017
%RSD	2.9977	4.3897	5.5758	.31147	1.1553	.12241	.63262	3.6354	.45447	7.0678
#1	.00194	.00244	.02276	100.71	.20983	134.75	.01767	.00607	95.908	.00227
#2	.00186	.00259	.02104	101.15	.21328	134.52	.01752	.00579	96.526	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12309**	**.00258**	W **198.44**	**-.00549**	**.06324**	**23.809**	**50.951**	**.00045**	**1.8890**	**-.00193**
Stddev	.00146	.00020	.64	.00028	.00755	.005	.011	.00041	.0061	.00110
%RSD	1.1882	7.6869	.32079	5.0262	11.934	.02081	.02081	92.304	.32515	57.228
#1	.12412	.00273	198.89	-.00530	.06857	23.806	50.944	.00074	1.8847	-.00115
#2	.12206	.00244	197.99	-.00569	.05790	23.813	50.959	.00016	1.8934	-.00270
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00147**	**.01240**	**.00563**	**.00355**	**.00105**
Stddev	.00003	.00077	.00889	.00001	.00091	.00009
%RSD	37.141	52.373	71.656	.20477	25.706	8.9582
#1	.00009	.00201	.00612	.00564	.00420	.00098
#2	.00005	.00092	.01869	.00563	.00291	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3779.1**	**59472.**	**6277.5**
Stddev	15.2	104.	36.4
%RSD	.40301	.17437	.58038
#1	3768.3	59545.	6303.3
#2	3789.8	59398.	6251.8

Sample Name: CCVH-1351956 Acquired: 4/10/2012 13:10:48 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**53.067**	**.00006**	**.00337**	**.00053**	**.00002**	**1.0500**	**-.00284**	**.00013**	**.00040**	**.00027**	**.00355**	**53.078**
Stddev	.00017	.407	.00056	.00021	.00006	.00003	.0020	.00210	.00009	.00000	.00002	.00039	.316
%RSD	9.8020	.76745	913.36	6.1054	10.443	119.57	.18768	74.050	65.186	.82993	6.3623	10.867	.59472
#1	.00180	53.355	.00046	.00352	.00050	.00004	1.0486	-.00432	.00007	.00040	.00026	.00327	53.301
#2	.00157	52.779	-.00033	.00322	.00057	.00000	1.0514	-.00135	.00019	.00039	.00028	.00382	52.855
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27040**	**.00136**	**.02108**	**-.00003**	**-.00091**	**271.43**	**.00200**	**.00246**	**-.00329**	**5.2001**	**-.00409**	**.00125**	**.03096**
Stddev	.00641	.00223	.00203	.00004	.00010	2.05	.00010	.00153	.00045	.0011	.00306	.00494	.00628
%RSD	2.3694	163.58	9.6415	153.72	10.881	.75687	4.7743	62.262	13.605	.02133	74.790	394.84	20.283
#1	.26587	-.00021	.02252	-.00006	-.00098	272.88	.00193	.00138	-.00361	5.2009	-.00626	.00474	.02652
#2	.27493	.00293	.01964	.00000	-.00084	269.97	.00207	.00355	-.00298	5.1994	-.00193	-.00224	.03541
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06626**	**.00273**	**.00043**	**5.1187**	**.00246**	**.00050**	**10.229**	**.00203**	**.00098**	**.01211**
Stddev	.01344	.00127	.00003	.0027	.00014	.00050	.033	.00045	.00022	.00353
%RSD	20.283	46.413	6.9413	.05256	5.7665	99.134	.32118	22.171	21.984	29.184
#1	.05676	.00183	.00041	5.1206	.00236	.00015	10.206	.00171	.00114	.01461
#2	.07577	.00363	.00045	5.1168	.00256	.00086	10.252	.00234	.00083	.00961
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3970.6**	**61830.**	**6297.3**
Stddev	2.3	11.	25.1
%RSD	.05874	.01796	.39856
#1	3972.3	61822.	6315.0
#2	3969.0	61838.	6279.5

Sample Name: CCV-1351954 Acquired: 4/10/2012 13:13:08 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52133**	**.50470**	**.97641**	**.51581**	**.53053**	**.50367**	**-.00201**	**5.0678**	**.51599**	**.50772**	**.50749**	**.52183**	**2.6291**
Stddev	.00042	.00276	.00077	.00048	.00712	.00735	.00058	.0648	.00090	.00157	.00178	.00231	.0356
%RSD	.08123	.54718	.07870	.09343	1.3415	1.4589	28.799	1.2795	.17485	.30836	.35112	.44302	1.3531
#1	.52163	.50275	.97695	.51547	.53556	.50886	-.00160	5.1137	.51535	.50661	.50623	.52346	2.6542
#2	.52103	.50665	.97586	.51615	.52549	.49847	-.00242	5.0220	.51663	.50882	.50875	.52019	2.6039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.648**	**1.0507**	**19.879**	**.50718**	**.50369**	**5.2336**	**.50862**	**.99714**	**.97597**	**.03113**	**1.0171**	**1.0466**	**5.0425**
Stddev	.627	.0136	.005	.00109	.00077	.0638	.00135	.00016	.00111	.00309	.0033	.0007	.0524
%RSD	1.1902	1.2979	.02695	.21497	.15285	1.2192	.26639	.01564	.11350	9.9238	.32785	.06740	1.0395
#1	53.092	1.0604	19.875	.50795	.50314	5.2788	.50767	.99725	.97675	.03332	1.0147	1.0471	5.0795
#2	52.205	1.0411	19.883	.50640	.50423	5.1885	.50958	.99703	.97518	.02895	1.0194	1.0461	5.0054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.791**	**1.0217**	**.52249**	**-.00175**	**.49741**	**1.0570**	**.01955**	**.50291**	**.47963**	**.51852**
Stddev	.112	.0058	.00722	.00091	.00006	.0012	.00793	.00027	.00037	.00565
%RSD	1.0395	.56564	1.3824	51.922	.01275	.11516	40.581	.05294	.07716	1.0888
#1	10.870	1.0177	.52760	-.00239	.49746	1.0562	.02516	.50272	.47937	.52251
#2	10.712	1.0258	.51738	-.00111	.49737	1.0579	.01394	.50310	.47989	.51453
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4033.0**	**63323.**	**6307.7**
Stddev	.4	307.	46.9
%RSD	.01019	.48417	.74294
#1	4032.8	63106.	6274.6
#2	4033.3	63540.	6340.8

Sample Name: CCB Acquired: 4/10/2012 13:15:20 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00045**	**.00219**	**.00088**	**.00010**	**-.00001**	**-.00214**	**-.00297**	**.00013**	**-.00021**	**-.00006**	**-.00087**
Stddev	.00025	.00078	.00187	.00044	.00019	.00005	.00123	.00027	.00003	.00002	.00001	.00014
%RSD	39.237	174.33	85.632	50.082	188.09	839.94	57.464	8.9983	22.324	11.306	17.867	16.293
#1	.00082	-.00010	.00086	.00057	.00024	-.00004	-.00301	-.00316	.00015	-.00023	-.00007	-.00098
#2	.00046	.00099	.00351	.00119	-.00003	.00003	-.00127	-.00278	.00011	-.00019	-.00006	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.11804**	**.00089**	**.00377**	**.00003**	**.00105**	W **.09179**	**.00008**	**-.00162**	**.00059**	**.02709**	**-.00175**
Stddev	.00202	.02207	.00123	.00297	.00003	.00041	.00061	.00005	.00108	.00012	.00642	.00191
%RSD	206.15	18.700	138.80	78.946	84.164	39.403	.66534	66.219	66.791	20.004	23.701	109.40
#1	-.00045	.13364	.00002	.00587	.00005	.00076	.09135	.00011	-.00239	.00068	.02255	-.00310
#2	.00241	.10243	.00176	.00166	.00001	.00135	.09222	.00004	-.00086	.00051	.03163	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**-.00012**	**-.00027**	**.00093**	**.00001**	**.00083**	**.00014**	**-.00106**	**-.00207**	**.00022**	**.00150**	**.00014**
Stddev	.00033	.00133	.00284	.00005	.00012	.00071	.00002	.00073	.00595	.00009	.00043	.00038
%RSD	37.669	1063.7	1063.7	5.0431	1392.4	85.067	14.080	68.916	287.99	41.059	28.622	266.88
#1	-.00111	-.00106	-.00228	.00096	-.00008	.00134	.00013	-.00054	.00214	.00015	.00181	.00041
#2	-.00064	.00081	.00174	.00090	.00009	.00033	.00015	-.00157	-.00627	.00028	.00120	-.00012
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4109.5**	**65080.**	**6247.5**
Stddev	2.6	408.	.9
%RSD	.06405	.62627	.01402
#1	4111.3	64792.	6246.9
#2	4107.6	65368.	6248.2

Sample Name: CCVL1351959 Acquired: 4/10/2012 13:17:45 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.10494**	**.01501**	**.09517**	**.01102**	**.00096**	**.10888**	**.20487**	**.00528**	**.01039**	**.01024**	**.01504**	**.10738**
Stddev	.00007	.00105	.00001	.00044	.00006	.00006	.00161	.00524	.00006	.00000	.00005	.00007	.00166
%RSD	.67077	1.0034	.09281	.45815	.57563	6.0149	1.4798	2.5569	1.0797	.00855	.47481	.46488	1.5483
#1	.01111	.10568	.01501	.09548	.01098	.00092	.11002	.20858	.00524	.01039	.01028	.01509	.10855
#2	.01100	.10419	.01502	.09487	.01107	.00100	.10774	.20117	.00532	.01039	.01021	.01499	.10620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3509**	**.01079**	**.20648**	**.01046**	**.01972**	**1.1555**	**.04105**	**2.7584**	**.00975**	**.02414**	**.00793**	**.01595**	**.49642**
Stddev	.0093	.00057	.00293	.00007	.00027	.0069	.00010	.0133	.00187	.00058	.00107	.00359	.00205
%RSD	.27880	5.3280	1.4179	.71373	1.3514	.59536	.24669	.48055	19.130	2.4040	13.555	22.542	.41239
#1	3.3443	.01119	.20855	.01051	.01953	1.1604	.04098	2.7678	.00843	.02455	.00869	.01849	.49787
#2	3.3575	.01038	.20441	.01041	.01991	1.1506	.04113	2.7490	.01107	.02373	.00717	.01341	.49497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0623**	**.10112**	**.01068**	**.01482**	**.00977**	**.01507**	F **.08583**	**.01024**	**.02022**	**.01606**
Stddev	.0044	.00105	.00004	.00022	.00000	.00003	.00074	.00020	.00000	.00042
%RSD	.41239	1.0401	.36145	1.4887	.02951	.22443	.86070	1.9577	.00793	2.5990
#1	1.0654	.10187	.01065	.01467	.00977	.01509	.08635	.01038	.02022	.01636
#2	1.0592	.10038	.01071	.01498	.00978	.01505	.08530	.01010	.02022	.01577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4143.7**	**65387.**	**6318.3**
Stddev	14.9	3.	50.6
%RSD	.35920	.00525	.80074
#1	4133.2	65385.	6282.6
#2	4154.2	65389.	6354.1

Sample Name: mb 280-114413/1-a Acquired: 4/10/2012 13:20:08 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00222**	**.00458**	**.00016**	**.00332**	**.00002**	**-.00144**	**.00170**	**.00013**	**-.00006**
Stddev	.00045	.00010	.00229	.00019	.00029	.00003	.00182	.00224	.00003	.00018
%RSD	49.216	4.6843	49.941	123.84	8.8393	174.23	126.61	131.85	24.826	294.96
#1	.00122	.00229	.00296	.00002	.00311	.00004	-.00015	.00328	.00016	.00007
#2	.00059	.00214	.00620	.00029	.00353	.00000	-.00272	.00011	.00011	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00047**	**.00285**	**.05740**	**-.00086**	**.00450**	**.00015**	**-.00010**	**.07705**	**-.00023**
Stddev	.00021	.00025	.00138	.00891	.00182	.00219	.00005	.00002	.00498	.00007
%RSD	1569.0	51.985	48.574	15.531	211.44	48.524	34.047	20.234	6.4618	30.318
#1	-.00016	-.00030	.00383	.05109	.00043	.00296	.00019	-.00012	.08057	-.00018
#2	.00013	-.00065	.00187	.06370	-.00215	.00605	.00012	-.00009	.07352	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.00083**	F **.02025**	**-.00328**	**.00057**	W **-.00864**	**-.01848**	**.00079**	**.00032**	**-.00004**
Stddev	.00132	.00032	.00109	.00074	.00271	.01119	.02396	.00087	.00004	.00021
%RSD	167.75	39.086	5.3824	22.471	471.27	129.62	129.62	110.35	13.876	548.66
#1	-.00172	.00106	.01947	-.00380	.00249	-.01655	-.03542	.00140	.00035	-.00019
#2	.00015	.00060	.02102	-.00276	-.00134	-.00072	-.00154	.00017	.00029	.00011
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00132**	**.01188**	**.00011**	**.00204**	**.00061**
Stddev	.00019	.00160	.00542	.00006	.00002	.00062
%RSD	208.75	120.59	45.624	57.699	.76013	101.61
#1	.00004	-.00245	.01572	.00016	.00205	.00017
#2	-.00022	-.00020	.00805	.00007	.00203	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4176.0**	**65687.**	**6402.9**
Stddev	6.0	173.	47.5
%RSD	.14439	.26386	.74152
#1	4180.3	65564.	6436.5
#2	4171.8	65810.	6369.4

Sample Name: lcs 280-114413/2-a Acquired: 4/10/2012 13:22:33 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05479**	**1.8717**	**1.0070**	**1.0300**	**2.1107**	**.05075**	**2.1694**	**49.646**	**.10438**	**.49722**
Stddev	.00005	.0007	.0034	.0043	.0332	.00070	.0053	.745	.00028	.00066
%RSD	.09351	.03828	.34264	.41464	1.5739	1.3709	.24232	1.5004	.26994	.13286
#1	.05475	1.8712	1.0046	1.0270	2.0872	.05026	2.1657	49.120	.10418	.49675
#2	.05482	1.8722	1.0094	1.0330	2.1342	.05125	2.1732	50.173	.10458	.49768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20135**	**.26510**	**1.0427**	**53.029**	**1.0594**	**49.388**	**.51356**	**1.0141**	**55.325**	**.50257**
Stddev	.00056	.00157	.0170	.713	.0168	.092	.00131	.0019	1.042	.00077
%RSD	.27809	.59374	1.6268	1.3453	1.5850	.18674	.25533	.18352	1.8837	.15260
#1	.20095	.26398	1.0307	52.525	1.0475	49.454	.51449	1.0128	54.588	.50203
#2	.20174	.26621	1.0547	53.534	1.0712	49.323	.51263	1.0154	56.062	.50312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.207**	**.48738**	**.02613**	**.49750**	**2.1314**	**10.082**	F **21.576**	**2.0172**	**1.0548**	**1.0249**
Stddev	.026	.00014	.00232	.00091	.0034	.190	.408	.0067	.0150	.0003
%RSD	.25515	.02853	8.8754	.18269	.16195	1.8890	1.8890	.33131	1.4272	.03142
#1	10.188	.48728	.02776	.49686	2.1290	9.9477	21.288	2.0125	1.0442	1.0247
#2	10.225	.48748	.02449	.49814	2.1338	10.217	21.865	2.0219	1.0654	1.0252
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0127**	**2.0575**	**2.2048**	**.51144**	**.47715**	**.52014**
Stddev	.0014	.0009	.0010	.00034	.00210	.01043
%RSD	.13477	.04308	.04768	.06738	.43984	2.0053
#1	1.0137	2.0569	2.2055	.51119	.47863	.51277
#2	1.0117	2.0581	2.2040	.51168	.47566	.52752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3951.5**	**61753.**	**6380.7**
Stddev	8.2	70.	93.9
%RSD	.20765	.11285	1.4709
#1	3957.3	61704.	6447.0
#2	3945.7	61802.	6314.3

Sample Name: 280-27308-c-1-a Acquired: 4/10/2012 13:24:42 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.00442	.00143	.11595	.30836	-.00001	-.00310	82.236	.00033	-.00013
Stddev	.00006	.00059	.00008	.00025	.00430	.00004	.00101	1.000	.00014	.00013
%RSD	11.379	13.323	5.7778	.21525	1.3960	672.75	32.575	1.2156	43.929	96.259
#1	.00049	.00483	.00137	.11577	.30532	-.00004	-.00381	81.529	.00022	-.00004
#2	.00058	.00400	.00148	.11613	.31140	.00002	-.00238	82.943	.00043	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00079	.18881	2.1658	.03475	24.887	.28528	.00231	111.51	-.00014
Stddev	.00004	.00020	.00059	.0192	.00186	.069	.00042	.00066	1.34	.00005
%RSD	18.294	25.893	.31068	.88854	5.3421	.27769	.14866	28.742	1.2042	36.150
#1	.00020	.00094	.18839	2.1522	.03344	24.936	.28558	.00184	110.56	-.00010
#2	.00026	.00065	.18922	2.1794	.03607	24.838	.28498	.00278	112.45	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24916	.00103	4.1373	-.00312	.00199	10.807	23.128	.00072	.63213	-.00195
Stddev	.00078	.00037	.0043	.00044	.00288	.092	.197	.00060	.00833	.00060
%RSD	.31368	35.530	.10315	14.069	144.22	.85166	.85166	83.906	1.3174	30.763
#1	.24971	.00077	4.1342	-.00281	.00403	10.742	22.989	.00029	.62624	-.00237
#2	.24860	.00129	4.1403	-.00343	-.00004	10.873	23.267	.00114	.63802	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00039	.00091	.01746	.00075	.00195	.00023
Stddev	.00000	.00093	.01333	.00025	.00025	.00253
%RSD	.48880	102.93	76.336	32.901	12.975	1110.4
#1	.00040	.00025	.02689	.00092	.00177	-.00156
#2	.00039	.00157	.00804	.00057	.00213	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3911.3	61720.	6276.2
Stddev	14.3	195.	51.0
%RSD	.36614	.31653	.81258
#1	3921.5	61582.	6312.2
#2	3901.2	61858.	6240.1

Sample Name: 280-27308-c-1-aSD@5 Acquired: 4/10/2012 13:27:04 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00823**	**.00149**	**.02294**	**.06094**	**.00004**	**-.00010**	**16.194**	**.00020**	**-.00019**
Stddev	.00007	.00027	.00152	.00011	.00004	.00003	.00052	.017	.00016	.00004
%RSD	8.8506	3.3190	101.80	.48036	.06305	73.078	502.91	.10657	77.890	18.735
#1	.00078	.00804	.00042	.02287	.06097	.00002	.00026	16.206	.00031	-.00022
#2	.00069	.00843	.00257	.02302	.06091	.00006	-.00047	16.181	.00009	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00054**	**.04030**	**.47405**	**.00682**	**5.0998**	**.05788**	**.00015**	**22.593**	**-.00017**
Stddev	.00008	.00009	.00301	.00802	.00093	.0198	.00027	.00011	.022	.00025
%RSD	1769.7	16.742	7.4774	1.6915	13.692	.38743	.47218	73.013	.09939	143.25
#1	.00006	-.00047	.04243	.46838	.00748	5.0858	.05769	.00022	22.577	-.00035
#2	-.00005	-.00060	.03817	.47972	.00616	5.1137	.05808	.00007	22.609	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04787**	**.00073**	**.80912**	**-.00334**	**-.00366**	**2.0758**	**4.4421**	**.00033**	**.12437**	**-.00058**
Stddev	.00238	.00079	.00073	.00049	.00270	.0130	.0279	.00085	.00009	.00058
%RSD	4.9785	108.34	.08967	14.672	73.770	.62740	.62740	256.58	.07214	99.233
#1	.04955	.00017	.80964	-.00369	-.00175	2.0850	4.4618	.00093	.12443	-.00017
#2	.04618	.00130	.80861	-.00299	-.00557	2.0666	4.4224	-.00027	.12431	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00104**	**.04262**	**.00035**	**.00234**	**.00070**
Stddev	.00004	.00099	.02384	.00019	.00056	.00119
%RSD	16.343	95.286	55.942	55.166	24.009	168.58
#1	.00023	-.00175	.05948	.00049	.00195	-.00014
#2	.00029	-.00034	.02576	.00021	.00274	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4091.0**	**63882.**	**6344.0**
Stddev	11.1	154.	10.3
%RSD	.27025	.24131	.16172
#1	4098.8	63991.	6336.8
#2	4083.2	63773.	6351.3

Sample Name: 280-27308-c-1-b ms Acquired: 4/10/2012 13:29:27 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05486	1.8629	1.0229	1.1434	2.4450	.05120	F 2.1555	130.84	.10609	.49342
Stddev	.00006	.0038	.0019	.0002	.0121	.00016	.0043	.54	.00043	.00010
%RSD	.10075	.20585	.18613	.01829	.49274	.30429	.19971	.41265	.40577	.02022
#1	.05489	1.8602	1.0215	1.1433	2.4535	.05131	2.1585	131.22	.10578	.49349
#2	.05482	1.8656	1.0242	1.1436	2.4365	.05109	2.1525	130.46	.10639	.49335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20282	.26517	1.2341	56.320	1.1107	73.599	.79296	1.0231	165.51	.49865
Stddev	.00045	.00161	.0110	.205	.0095	.102	.00106	.0001	1.23	.00006
%RSD	.22017	.60732	.89418	.36410	.85359	.13879	.13340	.00608	.74113	.01176
#1	.20250	.26403	1.2419	56.465	1.1174	73.526	.79221	1.0231	166.37	.49861
#2	.20313	.26630	1.2263	56.175	1.1040	73.671	.79371	1.0232	164.64	.49869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.687	.48002	4.1320	.50084	2.1314	20.985	44.907	W 2.0144	1.6968	1.0266
Stddev	.016	.00145	.0000	.00187	.0025	.103	.221	.0047	.0086	.0006
%RSD	.14960	.30185	.00048	.37429	.11640	.49106	.49106	.23600	.50992	.05866
#1	10.676	.47900	4.1320	.49951	2.1332	21.057	45.063	2.0110	1.7029	1.0270
#2	10.699	.48105	4.1320	.50217	2.1297	20.912	44.751	2.0177	1.6907	1.0262
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0171	1.9747	2.1672	.51465	.47607	.53174
Stddev	.0010	.0054	.0047	.00059	.00040	.00432
%RSD	.09583	.27442	.21766	.11379	.08418	.81157
#1	1.0164	1.9785	2.1638	.51507	.47636	.53479
#2	1.0178	1.9708	2.1705	.51424	.47579	.52869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3801.6	59705.	6294.3
Stddev	.8	154.	34.3
%RSD	.02099	.25766	.54485
#1	3801.0	59814.	6270.1
#2	3802.2	59596.	6318.6

Sample Name: 280-27308-c-1-c msd Acquired: 4/10/2012 13:31:35 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05515**	**1.8422**	**1.0212**	**1.1354**	**2.4058**	**.05085**	F **2.1363**	**130.19**	**.10522**	**.48940**
Stddev	.00067	.0039	.0012	.0027	.0028	.00018	.0053	.01	.00004	.00079
%RSD	1.2214	.21168	.11625	.24106	.11555	.34745	.24654	.00385	.03389	.16216
#1	.05467	1.8450	1.0221	1.1374	2.4038	.05097	2.1400	130.20	.10524	.48996
#2	.05563	1.8394	1.0204	1.1335	2.4078	.05072	2.1326	130.19	.10519	.48884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20121**	**.26588**	**1.2182**	**55.684**	**1.0936**	**73.585**	**.79427**	**1.0165**	**163.84**	**.49468**
Stddev	.00015	.00138	.0011	.070	.0014	.305	.00542	.0035	.48	.00180
%RSD	.07247	.52074	.08985	.12559	.12675	.41441	.68289	.34730	.29190	.36362
#1	.20110	.26490	1.2174	55.634	1.0945	73.369	.79043	1.0190	163.50	.49595
#2	.20131	.26686	1.2190	55.733	1.0926	73.800	.79811	1.0140	164.18	.49341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.590**	**.47843**	**4.1077**	**.50049**	**2.1186**	**20.937**	**44.805**	**1.9990**	**1.6710**	**1.0234**
Stddev	.017	.00013	.0173	.00212	.0197	.055	.117	.0067	.0005	.0067
%RSD	.16513	.02805	.42191	.42275	.92986	.26224	.26224	.33578	.02791	.65229
#1	10.603	.47852	4.1200	.50199	2.1325	20.898	44.722	1.9942	1.6707	1.0187
#2	10.578	.47833	4.0955	.49899	2.1047	20.976	44.888	2.0037	1.6713	1.0282
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0167**	**1.9595**	**2.1652**	**.51288**	**.47461**	**.52334**
Stddev	.0060	.0020	.0101	.00263	.00393	.00032
%RSD	.58640	.10259	.46449	.51223	.82829	.06067
#1	1.0125	1.9581	2.1581	.51102	.47183	.52357
#2	1.0209	1.9609	2.1723	.51473	.47739	.52312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3820.6**	**59464.**	**6175.2**
Stddev	1.8	436.	12.8
%RSD	.04677	.73257	.20724
#1	3821.9	59772.	6184.2
#2	3819.4	59156.	6166.1

Sample Name: 280-27308-c-2-a Acquired: 4/10/2012 13:33:43 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00757**	**.00662**	**.10847**	**.30341**	**.00001**	**-.00494**	**60.808**	**.00024**	**-.00039**
Stddev	.00006	.00049	.00118	.00034	.00077	.00007	.00108	.371	.00001	.00017
%RSD	5.2920	6.4905	17.818	.30887	.25261	865.24	21.863	.60966	2.8142	42.119
#1	.00102	.00722	.00578	.10824	.30395	.00006	-.00417	61.071	.00023	-.00051
#2	.00110	.00792	.00745	.10871	.30287	-.00004	-.00570	60.546	.00024	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00093**	**.06789**	**2.1509**	**.02925**	**16.872**	**.05611**	**.00331**	**91.733**	**-.00013**
Stddev	.00027	.00013	.00069	.0459	.00033	.048	.00026	.00105	.435	.00013
%RSD	67.846	13.751	1.0185	2.1337	1.1310	.28382	.46625	31.667	.47465	96.470
#1	.00021	.00084	.06838	2.1833	.02948	16.838	.05592	.00257	92.041	-.00004
#2	.00059	.00102	.06740	2.1184	.02902	16.906	.05629	.00405	91.425	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09850**	**-.00042**	**4.8147**	**-.00441**	**-.00010**	**10.699**	**22.897**	**.00120**	**.67377**	**-.00014**
Stddev	.00110	.00045	.0077	.00047	.00052	.101	.217	.00140	.00269	.00193
%RSD	1.1158	107.40	.15981	10.759	530.62	.94815	.94815	116.67	.39997	1340.0
#1	.09927	-.00074	4.8092	-.00474	.00027	10.771	23.050	.00021	.67567	-.00151
#2	.09772	-.00010	4.8201	-.00407	-.00047	10.628	22.743	.00219	.67186	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00117**	**.00779**	**.00018**	**.00580**	**.00090**
Stddev	.00001	.00031	.02522	.00010	.00045	.00180
%RSD	2.0645	26.448	323.77	55.390	7.8233	201.14
#1	.00050	.00096	.02562	.00025	.00612	-.00038
#2	.00052	.00139	-.01004	.00011	.00548	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3955.5**	**61722.**	**6218.6**
Stddev	18.1	90.	39.8
%RSD	.45734	.14617	.63942
#1	3968.3	61785.	6190.5
#2	3942.7	61658.	6246.7

Sample Name: 280-27308-c-3-a Acquired: 4/10/2012 13:36:05 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00324**	**-.00182**	**.10703**	**.24860**	**.00002**	**-.00366**	**75.026**	**.00025**	**-.00035**
Stddev	.00047	.00031	.00837	.00128	.00184	.00001	.00152	.725	.00001	.00000
%RSD	52.560	9.6073	459.39	1.1962	.74118	71.986	41.500	.96657	5.1277	.05041
#1	.00057	.00302	-.00774	.10612	.24730	.00003	-.00473	74.513	.00026	-.00035
#2	.00123	.00346	.00410	.10793	.24990	.00001	-.00258	75.538	.00024	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00027**	**.00934**	**1.3714**	**.03011**	**21.681**	**.05297**	**.00095**	**103.31**	**-.00046**
Stddev	.00012	.00044	.00228	.0186	.00101	.073	.00006	.00016	.17	.00009
%RSD	76.885	163.38	24.366	1.3524	3.3500	.33597	.10511	17.171	.16008	19.805
#1	.00007	-.00004	.00773	1.3845	.02939	21.630	.05293	.00107	103.19	-.00039
#2	.00023	.00058	.01095	1.3582	.03082	21.733	.05300	.00084	103.43	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05240**	**.00151**	**4.9466**	**-.00305**	**.00030**	**11.137**	**23.834**	**.00052**	**.55031**	**-.00148**
Stddev	.00242	.00137	.0675	.00006	.00174	.103	.219	.00015	.00279	.00006
%RSD	4.6258	90.647	1.3645	1.8830	589.38	.92044	.92044	29.096	.50748	4.0700
#1	.05069	.00054	4.8989	-.00301	.00153	11.065	23.679	.00063	.54833	-.00144
#2	.05412	.00248	4.9943	-.00309	-.00093	11.210	23.989	.00042	.55228	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00024**	**.02336**	**.00166**	**.00103**	**-.00098**
Stddev	.00023	.00050	.01883	.00001	.00012	.00037
%RSD	51.704	212.89	80.588	.60798	11.379	37.784
#1	.00028	.00012	.01005	.00165	.00095	-.00124
#2	.00060	-.00059	.03668	.00167	.00112	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3898.3**	**61411.**	**6170.5**
Stddev	22.4	121.	70.4
%RSD	.57413	.19650	1.1409
#1	3914.1	61496.	6220.3
#2	3882.5	61326.	6120.7

Sample Name: CCVH-1351956 Acquired: 4/10/2012 13:38:25 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**52.677**	**-.00085**	**.00272**	**.00060**	**.00004**	**1.0256**	**.01090**	**-.00001**	**.00009**	**.00025**	**.00400**	**52.689**
Stddev	.00036	.266	.00111	.00039	.00019	.00000	.0065	.00082	.00011	.00002	.00000	.00032	.178
%RSD	24.170	.50504	130.74	14.204	30.775	6.3270	.63366	7.5558	802.37	19.925	.50170	8.1205	.33841
#1	.00125	52.865	-.00006	.00300	.00074	.00005	1.0302	.01148	.00007	.00010	.00025	.00423	52.816
#2	.00176	52.488	-.00163	.00245	.00047	.00004	1.0210	.01031	-.00009	.00007	.00025	.00377	52.563
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11509**	**.00074**	**.02347**	**-.00009**	**-.00093**	**270.38**	**.00172**	**.00338**	**-.00237**	**5.0645**	**-.00350**	**.00333**	**.01833**
Stddev	.01015	.00249	.00103	.00002	.00004	1.47	.00006	.00103	.00131	.0334	.00154	.00388	.01798
%RSD	8.8214	335.01	4.3845	24.961	4.5559	.54259	3.6809	30.405	55.327	.65932	44.134	116.70	98.117
#1	.12227	.00251	.02419	-.00011	-.00090	271.42	.00168	.00265	-.00144	5.0881	-.00459	.00607	.00561
#2	.10792	-.00102	.02274	-.00008	-.00096	269.34	.00177	.00410	-.00329	5.0409	-.00241	.00058	.03105
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03923**	**.00259**	**.00051**	**5.0554**	**.00248**	**.00054**	**10.084**	**.00234**	**.00110**	**.01357**
Stddev	.03849	.00147	.00007	.0296	.00023	.00136	.032	.00011	.00006	.00120
%RSD	98.117	56.688	12.906	.58465	9.1991	254.38	.32062	4.7486	5.2847	8.8093
#1	.01201	.00155	.00046	5.0345	.00232	-.00043	10.061	.00226	.00106	.01442
#2	.06644	.00363	.00055	5.0763	.00264	.00150	10.107	.00242	.00114	.01273
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.3**	**61524.**	**6200.7**
Stddev	3.2	223.	4.6
%RSD	.08055	.36251	.07419
#1	3990.0	61681.	6203.9
#2	3994.5	61366.	6197.4

Sample Name: CCV-1351954 Acquired: 4/10/2012 13:40:44 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51620**	**.50279**	**.97180**	**.50924**	**.53283**	**.50398**	**-.00342**	**5.0729**	**.51247**	**.50476**	**.50556**	**.51760**	**2.6328**
Stddev	.00378	.00059	.00411	.00146	.00384	.00252	.00025	.0323	.00039	.00015	.00010	.00354	.0177
%RSD	.73140	.11690	.42261	.28758	.72097	.49914	7.2123	.63739	.07570	.03059	.01976	.68313	.67159
#1	.51353	.50321	.96889	.50820	.53554	.50576	-.00359	5.0957	.51274	.50465	.50563	.51510	2.6453
#2	.51887	.50237	.97470	.51027	.53011	.50220	-.00325	5.0500	.51219	.50487	.50549	.52010	2.6203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.024**	**1.0575**	**19.797**	**.50415**	**.50234**	**5.2280**	**.50545**	**.99308**	**.97069**	**.02113**	**1.0085**	**1.0452**	**5.0368**
Stddev	.282	.0069	.071	.00132	.00043	.0312	.00028	.00280	.00198	.00456	.0005	.0007	.0089
%RSD	.53163	.64737	.36065	.26249	.08614	.59686	.05590	.28205	.20348	21.581	.04846	.06768	.17561
#1	53.224	1.0623	19.746	.50321	.50265	5.2501	.50525	.99110	.96930	.02436	1.0088	1.0447	5.0431
#2	52.825	1.0526	19.847	.50508	.50204	5.2059	.50565	.99506	.97209	.01791	1.0081	1.0457	5.0306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.779**	**1.0159**	**.52336**	**-.00234**	**.49477**	**1.0511**	**.00393**	**.50144**	**.47869**	**.52085**
Stddev	.019	.0019	.00353	.00112	.00336	.0012	.00585	.00384	.00214	.00530
%RSD	.17561	.18424	.67526	47.969	.67909	.11157	149.05	.76572	.44711	1.0169
#1	10.792	1.0146	.52586	-.00154	.49240	1.0519	.00806	.49872	.47718	.52460
#2	10.765	1.0173	.52086	-.00313	.49715	1.0503	-.00021	.50415	.48020	.51711
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.9**	**63176.**	**6204.0**
Stddev	1.2	109.	19.8
%RSD	.02909	.17268	.31876
#1	4051.7	63253.	6190.0
#2	4050.1	63099.	6218.0

Sample Name: CCB Acquired: 4/10/2012 13:42:54 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00001**	**.00265**	**.00067**	**.00031**	**.00000**	**-.00310**	**-.00131**	**.00004**	**-.00020**	**-.00002**	**-.00109**	**.00077**
Stddev	.00031	.00009	.00130	.00002	.00038	.0000	.00124	.00177	.00007	.00021	.00004	.00021	.00344
%RSD	61.408	936.58	49.248	3.5804	122.83	42.398	40.161	135.16	184.83	102.64	202.84	19.711	447.36
#1	.00029	-.00005	.00357	.00068	.00004	.00000	-.00398	-.00256	-.00001	-.00006	-.00005	-.00124	.00320
#2	.00073	.00007	.00172	.00065	.00058	.00000	-.00222	-.00006	.00009	-.00035	.00001	-.00093	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06271**	**.00128**	**.00329**	**.00005**	**.00089**	**.08293**	**-.00026**	**-.00174**	**.00044**	**.01340**	**.00103**	**-.00070**	**.00268**
Stddev	.00508	.00203	.00058	.00002	.00003	.00445	.00023	.00134	.00154	.00135	.00083	.00182	.01245
%RSD	8.1039	159.54	17.462	42.370	3.5842	5.3658	88.416	76.938	353.54	10.095	80.268	259.25	465.05
#1	.05912	.00271	.00289	.00007	.00091	.08607	-.00042	-.00268	.00153	.01436	.00044	.00058	-.00613
#2	.06630	-.00016	.00370	.00004	.00086	.07978	-.00010	-.00079	-.00065	.01245	.00161	-.00199	.01148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00573**	**.00078**	**-.00001**	**.00007**	**-.00002**	**-.00148**	**-.00523**	**-.00007**	**.00114**	**.00097**
Stddev	.02665	.00150	.00005	.00106	.00001	.00133	.00691	.00028	.00000	.00017
%RSD	465.05	192.81	615.12	1520.7	38.021	90.024	132.15	380.42	.04729	17.928
#1	-.01311	-.00028	.00003	.00082	-.00002	-.00054	-.01012	.00012	.00114	.00085
#2	.02457	.00184	-.00005	-.00068	-.00003	-.00242	-.00034	-.00027	.00114	.00110
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.2**	**64831.**	**6144.6**
Stddev	2.7	571.	20.4
%RSD	.06616	.88010	.33120
#1	4080.2	65235.	6130.2
#2	4076.3	64428.	6159.0

Sample Name: CCVL1351959 Acquired: 4/10/2012 13:45:19 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01082**	**.10420**	**.01341**	**.09589**	**.01089**	**.00098**	**.10695**	**.20401**	**.00526**	**.01047**	**.01030**	**.01491**	**.10407**
Stddev	.00037	.00025	.00114	.00015	.00013	.00013	.00207	.00071	.00016	.00019	.00012	.00013	.00113
%RSD	3.4187	.23544	8.4743	.16014	1.1735	13.247	1.9316	.34970	3.0300	1.8145	1.1389	.90187	1.0838
#1	.01056	.10437	.01421	.09578	.01098	.00089	.10841	.20351	.00538	.01061	.01038	.01482	.10487
#2	.01108	.10403	.01260	.09600	.01080	.00107	.10549	.20452	.00515	.01034	.01021	.01501	.10327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3028**	**.00898**	**.20751**	**.01046**	**.01999**	**1.1465**	**.04121**	**2.7464**	**.00961**	**.01263**	**.00710**	**.01334**	**.47948**
Stddev	.0565	.00178	.00037	.00006	.00000	.0159	.00003	.0121	.00070	.00228	.00022	.00139	.00810
%RSD	1.7090	19.867	.18028	.55529	.02181	1.3883	.07753	.44063	7.2370	18.041	3.1143	10.400	1.6886
#1	3.3427	.01024	.20724	.01050	.01999	1.1577	.04118	2.7549	.01010	.01424	.00725	.01432	.48520
#2	3.2629	.00772	.20777	.01042	.01999	1.1352	.04123	2.7378	.00912	.01102	.00694	.01236	.47375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0261**	**.10161**	**.01074**	**.01404**	**.00950**	**.01510**	F **.08621**	**.01017**	**.02090**	**.01624**
Stddev	.0173	.00069	.00016	.00154	.00010	.00100	.02043	.00026	.00033	.00003
%RSD	1.6886	.67551	1.4682	10.949	1.0645	6.6284	23.694	2.5958	1.5766	.17649
#1	1.0383	.10113	.01085	.01296	.00957	.01439	.10065	.01036	.02114	.01626
#2	1.0138	.10210	.01063	.01513	.00943	.01580	.07176	.00999	.02067	.01622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4116.2**	**65029.**	**6231.5**
Stddev	18.8	130.	77.5
%RSD	.45700	.20067	1.2440
#1	4102.9	65121.	6176.7
#2	4129.5	64936.	6286.3

Sample Name: 280-27308-c-4-a Acquired: 4/10/2012 13:47:43 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00349	.00482	.07623	.51973	-.00002	-.00505	157.21	.00057	.00108
Stddev	.00048	.00032	.00246	.00068	.00157	.00000	.00200	.43	.00003	.00011
%RSD	101.89	9.0532	51.003	.88742	.30132	7.9566	39.510	.27272	5.8722	10.573
#1	.00082	.00327	.00655	.07575	.52083	-.00002	-.00364	157.51	.00060	.00099
#2	.00013	.00371	.00308	.07671	.51862	-.00002	-.00646	156.91	.00055	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00062	.91950	1.4470	.03964	40.211	.32204	.00028	75.247	.00023
Stddev	.00017	.00016	.00562	.0462	.00022	.439	.00311	.00012	.399	.00008
%RSD	50.956	25.433	.61096	3.1928	.56487	1.0918	.96559	44.374	.52984	36.162
#1	.00021	.00073	.92347	1.4144	.03980	39.901	.31984	.00019	74.965	.00029
#2	.00045	.00051	.91553	1.4797	.03948	40.522	.32424	.00037	75.529	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15516	.00313	9.2550	-.00380	.00218	14.480	30.986	-.00001	1.0181	-.00096
Stddev	.00349	.00178	.0208	.00030	.00108	.016	.034	.00004	.0049	.00108
%RSD	2.2508	56.798	.22456	7.9225	49.558	.11072	.11072	357.75	.48167	112.71
#1	.15269	.00187	9.2697	-.00359	.00142	14.491	31.011	.00002	1.0215	-.00020
#2	.15763	.00438	9.2403	-.00402	.00295	14.468	30.962	-.00004	1.0146	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	-.00062	.01567	.00123	.00161	.00092
Stddev	.00041	.00081	.00105	.00016	.00005	.00018
%RSD	151.55	130.58	6.7217	13.229	3.3737	19.597
#1	.00055	-.00120	.01492	.00135	.00157	.00079
#2	-.00002	-.00005	.01641	.00112	.00165	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3888.7	61082.	6154.0
Stddev	14.0	395.	6.5
%RSD	.35900	.64652	.10483
#1	3898.6	61362.	6149.4
#2	3878.8	60803.	6158.5

Sample Name: 280-27308-c-5-a Acquired: 4/10/2012 13:50:04 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00883**	**.00041**	**.09875**	**.64713**	**.00005**	**-.00487**	**201.36**	**.00041**	**.00007**
Stddev	.00042	.00001	.00480	.00017	.00028	.00001	.00116	.80	.00010	.00004
%RSD	55.546	.07136	1158.7	.17672	.04271	20.932	23.821	.39673	24.682	48.880
#1	.00106	.00884	-.00298	.09887	.64733	.00006	-.00405	200.79	.00048	.00005
#2	.00046	.00883	.00381	.09862	.64694	.00004	-.00569	201.92	.00034	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00187**	**.09364**	**1.9650**	**.05538**	**50.943**	**.24236**	**.00083**	**137.41**	**-.00018**
Stddev	.00002	.00030	.00123	.0113	.00142	.254	.00129	.00016	.16	.00013
%RSD	5.5302	15.932	1.3142	.57301	2.5709	.49786	.53394	18.741	.11568	73.623
#1	.00032	.00166	.09277	1.9570	.05437	51.123	.24327	.00072	137.52	-.00028
#2	.00035	.00208	.09451	1.9730	.05639	50.764	.24144	.00094	137.30	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09145**	**.00282**	**3.6378**	**-.00241**	**.00257**	**13.948**	**29.849**	**.00008**	**1.2510**	**-.00010**
Stddev	.00129	.00105	.0202	.00074	.00135	.008	.016	.00020	.0002	.00235
%RSD	1.4142	37.455	.55402	30.780	52.573	.05397	.05397	246.80	.01911	2434.3
#1	.09237	.00356	3.6236	-.00189	.00353	13.953	29.860	-.00006	1.2509	.00157
#2	.09054	.00207	3.6521	-.00294	.00162	13.943	29.837	.00022	1.2512	-.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00121**	**-.02030**	**.00107**	**.01063**	**.00192**
Stddev	.00011	.00016	.00482	.00053	.00015	.00167
%RSD	21.282	12.948	23.753	49.731	1.3804	87.277
#1	.00062	-.00132	-.01689	.00069	.01073	.00310
#2	.00046	-.00110	-.02371	.00145	.01052	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3800.0**	**59499.**	**6141.4**
Stddev	13.6	140.	20.2
%RSD	.35821	.23559	.32847
#1	3809.7	59400.	6155.6
#2	3790.4	59598.	6127.1

Sample Name: 280-27308-c-6-a Acquired: 4/10/2012 13:52:27 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00590**	**-.00086**	**.06836**	**.71907**	**.00010**	**-.00681**	W **568.95**	**.00067**	**.00405**
Stddev	.00009	.00039	.00265	.00069	.00472	.00009	.00015	6.75	.00004	.00029
%RSD	21.635	6.6684	308.70	1.0045	.65709	92.310	2.1670	1.1868	5.8926	7.2652
#1	.00035	.00562	-.00273	.06787	.72241	.00003	-.00691	564.18	.00064	.00426
#2	.00048	.00618	.00102	.06884	.71573	.00016	-.00670	573.73	.00070	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.00380**	**.30640**	**1.7167**	**.04242**	**81.376**	**.67175**	**.00003**	**395.58**	**.00115**
Stddev	.00036	.00024	.00178	.0612	.00059	.231	.00046	.00012	2.31	.00005
%RSD	34.519	6.4049	.58208	3.5625	1.3946	.28442	.06869	356.36	.58285	4.2195
#1	.00080	.00397	.30766	1.6734	.04284	81.539	.67208	-.00005	397.21	.00118
#2	.00131	.00363	.30514	1.7599	.04200	81.212	.67143	.00012	393.95	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29425**	**.00382**	**14.689**	**-.00596**	**.00563**	**13.376**	**28.625**	**-.00062**	**2.1943**	**-.00110**
Stddev	.00449	.00011	.009	.00074	.00967	.029	.062	.00072	.0136	.00094
%RSD	1.5256	2.8424	.06070	12.401	171.54	.21735	.21735	115.63	.61923	85.618
#1	.29108	.00390	14.696	-.00648	.01247	13.397	28.669	-.00113	2.2039	-.00044
#2	.29743	.00374	14.683	-.00544	-.00120	13.356	28.581	-.00011	2.1847	-.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00152**	**-.00379**	**.00130**	**.00758**	**.00113**
Stddev	.00008	.00119	.01022	.00030	.00028	.00084
%RSD	15.634	78.158	269.69	22.764	3.6777	74.721
#1	.00055	-.00068	-.01101	.00109	.00778	.00053
#2	.00044	-.00236	.00344	.00151	.00738	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3582.4**	**56032.**	**5945.5**
Stddev	3.3	40.	31.6
%RSD	.09293	.07150	.53131
#1	3580.0	56003.	5923.1
#2	3584.8	56060.	5967.8

Sample Name: 280-27308-c-7-a Acquired: 4/10/2012 13:55:00 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.01389**	**.00003**	**.06633**	**.30395**	**.00007**	**-.00230**	**146.89**	**.00037**	**.00031**
Stddev	.00008	.00004	.00385	.00038	.00069	.00003	.00155	.32	.00013	.00012
%RSD	16.622	.31106	11228.	.58025	.22811	48.279	67.378	.21618	34.693	38.467
#1	.00041	.01386	.00276	.06660	.30444	.00005	-.00121	147.11	.00028	.00040
#2	.00052	.01392	-.00269	.06606	.30346	.00009	-.00340	146.66	.00045	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00081**	**.70411**	**3.1765**	**.02382**	**23.411**	**.19542**	**.00061**	**181.87**	**.00036**
Stddev	.00012	.00039	.00592	.0156	.00057	.133	.00134	.00052	.10	.00024
%RSD	76.640	48.383	.84069	.48988	2.3774	.56905	.68822	86.090	.05671	66.019
#1	.00007	.00053	.70830	3.1875	.02422	23.317	.19447	.00024	181.80	.00019
#2	.00024	.00109	.69993	3.1655	.02341	23.505	.19638	.00098	181.94	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29504**	**.00174**	**21.756**	**-.00342**	**.00406**	**14.581**	**31.204**	**.00025**	**.61979**	**-.00007**
Stddev	.00078	.00128	.107	.00213	.00198	.015	.031	.00004	.00005	.00077
%RSD	.26330	73.609	.49305	62.288	48.802	.10042	.10042	17.709	.00763	1090.1
#1	.29449	.00264	21.832	-.00191	.00545	14.571	31.181	.00028	.61983	.00047
#2	.29559	.00083	21.680	-.00492	.00266	14.591	31.226	.00021	.61976	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00030**	**.00273**	**.00040**	**.00207**	**-.00035**
Stddev	.00061	.00174	.01806	.00007	.00042	.00086
%RSD	129.77	585.76	661.74	17.294	20.194	243.06
#1	.00004	-.00153	.01550	.00045	.00178	.00025
#2	.00090	.00093	-.01004	.00035	.00237	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3829.4**	**60251.**	**6098.5**
Stddev	.6	243.	9.8
%RSD	.01448	.40311	.16047
#1	3829.0	60423.	6105.4
#2	3829.7	60079.	6091.6

Sample Name: 280-27308-c-8-a Acquired: 4/10/2012 13:57:23 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00069	.01424	.00124	.15107	.65219	.00004	-.00661	213.55	.00058	-.00027
Stddev	.00003	.00052	.00265	.00210	.00372	.00002	.00277	2.77	.00006	.00002
%RSD	4.5849	3.6728	214.12	1.3926	.57104	65.344	41.921	1.2955	10.803	7.4476
#1	.00067	.01461	.00311	.14958	.64956	.00002	-.00465	211.59	.00054	-.00029
#2	.00071	.01387	-.00064	.15255	.65483	.00005	-.00858	215.50	.00063	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00060	.00209	.20998	2.6936	.07124	80.316	.07702	.00052	188.20	-.00037
Stddev	.00001	.00004	.00078	.0124	.00123	.375	.00033	.00036	1.06	.00017
%RSD	1.9830	1.8171	.37012	.45978	1.7224	.46649	.43134	68.742	.56099	46.417
#1	.00060	.00212	.20943	2.6848	.07211	80.051	.07679	.00077	187.46	-.00049
#2	.00061	.00206	.21053	2.7024	.07037	80.580	.07726	.00027	188.95	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12828	.00118	9.2692	-.00362	-.00071	13.891	29.727	-.00048	1.9201	-.00263
Stddev	.00329	.00031	.0941	.00197	.00216	.111	.236	.00008	.0122	.00005
%RSD	2.5665	26.047	1.0158	54.287	304.53	.79546	.79546	17.087	.63718	1.8932
#1	.13061	.00140	9.2026	-.00501	-.00224	13.813	29.559	-.00053	1.9114	-.00266
#2	.12595	.00096	9.3357	-.00223	.00082	13.969	29.894	-.00042	1.9287	-.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	-.00195	.01876	.00101	.00398	.00150
Stddev	.00018	.00097	.00810	.00026	.00037	.00011
%RSD	67.720	49.817	43.191	25.171	9.3855	7.4228
#1	.00014	-.00264	.02449	.00119	.00371	.00158
#2	.00040	-.00127	.01303	.00083	.00424	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3749.8	58642.	6045.5
Stddev	23.8	379.	25.1
%RSD	.63602	.64573	.41579
#1	3766.7	58910.	6063.2
#2	3732.9	58374.	6027.7

Sample Name: 280-27308-c-9-a Acquired: 4/10/2012 13:59:48 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00471**	**-.00070**	**.07003**	**.72149**	**.00012**	**-.00649**	W **561.73**	**.00059**	**.00387**
Stddev	.00001	.00019	.00020	.00072	.01106	.00000	.00168	12.13	.00022	.00004
%RSD	1.6215	3.9527	29.102	1.0241	1.5334	3.6569	25.905	2.1594	36.703	1.0027
#1	.00073	.00458	-.00084	.07054	.71367	.00012	-.00530	553.15	.00074	.00390
#2	.00075	.00484	-.00055	.06952	.72931	.00013	-.00768	570.31	.00043	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00445**	**.30071**	**1.8708**	**.04320**	**79.858**	**.63682**	**.00009**	**394.34**	**.00144**
Stddev	.00011	.00047	.00911	.0492	.00056	1.648	.01490	.00009	5.10	.00012
%RSD	11.753	10.520	3.0295	2.6287	1.3068	2.0630	2.3402	105.97	1.2923	8.2400
#1	.00097	.00412	.29426	1.8360	.04280	78.693	.62628	.00015	390.73	.00135
#2	.00082	.00478	.30715	1.9056	.04360	81.023	.64736	.00002	397.94	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29664**	**.00483**	**14.760**	**-.00724**	**.00448**	**13.386**	**28.646**	**-.00057**	**2.2025**	**-.00061**
Stddev	.00156	.00023	.032	.00134	.00019	.220	.471	.00072	.0304	.00128
%RSD	.52616	4.7692	.21395	18.464	4.3124	1.6445	1.6445	127.68	1.3816	208.21
#1	.29553	.00499	14.782	-.00819	.00462	13.230	28.313	-.00108	2.1810	.00029
#2	.29774	.00467	14.738	-.00630	.00435	13.542	28.979	-.00005	2.2240	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00018**	**-.00768**	**.00099**	**.00799**	**.00081**
Stddev	.00016	.00191	.01649	.00009	.00079	.00038
%RSD	74.180	1047.0	214.82	9.3407	9.8309	47.165
#1	.00010	-.00153	-.01934	.00106	.00743	.00108
#2	.00032	.00117	.00398	.00093	.00854	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3554.6**	**57073.**	**6006.1**
Stddev	8.5	1107.	72.2
%RSD	.23983	1.9401	1.2028
#1	3548.5	57856.	6057.2
#2	3560.6	56290.	5955.0

Sample Name: 280-27308-c-10-a Acquired: 4/10/2012 14:02:22 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00940**	**.00417**	**.00011**	**.00018**	**.00002**	**-.00209**	**.02327**	**.00018**	**.00000**
Stddev	.00028	.00009	.00160	.00020	.00007	.00009	.00344	.00306	.00006	.00011
%RSD	61.176	.94138	38.367	186.15	35.688	423.40	164.43	13.163	30.793	2577.2
#1	.00065	.00933	.00531	-.00003	.00023	-.00004	-.00453	.02543	.00022	.00009
#2	.00026	.00946	.00304	.00025	.00014	.00009	.00034	.02110	.00014	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00090**	**.01397**	**.17642**	**.00103**	**.00652**	**.00008**	**.00000**	**.25095**	**-.00047**
Stddev	.00009	.00009	.00066	.02513	.00130	.00118	.00002	.00047	.03464	.00018
%RSD	121.77	10.197	4.7413	14.242	126.14	18.049	28.022	111000.	13.802	39.319
#1	-.00001	-.00083	.01444	.19419	.00011	.00569	.00009	-.00033	.27545	-.00060
#2	-.00013	-.00096	.01350	.15865	.00196	.00735	.00006	.00033	.22646	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00959**	**.00030**	**.01397**	**-.00385**	**-.00285**	**.01659**	**.03549**	**.00063**	**.00008**	**-.00028**
Stddev	.00304	.00124	.00363	.00288	.00076	.00500	.01069	.00067	.00002	.00038
%RSD	31.671	410.71	25.980	74.827	26.663	30.120	30.120	105.49	28.787	134.23
#1	.01173	.00118	.01140	-.00181	-.00232	.01305	.02793	.00111	.00009	-.00055
#2	.00744	-.00057	.01653	-.00588	-.00339	.02012	.04305	.00016	.00006	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00121**	**.02929**	**.00012**	**.00193**	**-.00016**
Stddev	.00004	.00062	.00973	.00032	.00011	.00178
%RSD	17.999	51.383	33.233	257.72	5.4619	1114.5
#1	.00019	-.00077	.02241	.00035	.00185	-.00142
#2	.00024	-.00165	.03618	-.00010	.00200	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4125.5**	**65684.**	**6274.8**
Stddev	33.5	132.	114.1
%RSD	.81227	.20168	1.8184
#1	4101.8	65590.	6194.1
#2	4149.2	65777.	6355.4

Sample Name: 280-27314-c-1-b Acquired: 4/10/2012 14:04:47 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	.83888	-.00079	.01867	.00413	.00008	-.00119	.07707	.00023	-.00013
Stddev	.00017	.00262	.00079	.00009	.00016	.00001	.00231	.00031	.00009	.00029
%RSD	28.339	.31266	100.04	.48146	3.8348	16.110	193.48	.40326	38.157	221.98
#1	.00048	.83702	-.00023	.01860	.00402	.00008	.00044	.07729	.00017	-.00033
#2	.00073	.84073	-.00135	.01873	.00424	.00007	-.00283	.07685	.00029	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00064	-.00016	.39438	1.0135	.00082	1.3708	.00030	-.00001	7.9897	.00020
Stddev	.00013	.00000	.00105	.0034	.00268	.0067	.00000	.00007	.0415	.00005
%RSD	20.060	.03684	.26503	.33359	326.06	.48638	.38829	988.24	.51883	26.942
#1	.00055	-.00016	.39364	1.0158	.00272	1.3661	.00030	.00004	7.9604	.00024
#2	.00073	-.00016	.39512	1.0111	-.00107	1.3756	.00030	-.00006	8.0190	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03381	.00168	1.8202	-.00008	.00053	2.2954	4.9122	.00007	.00280	.00021
Stddev	.00040	.00141	.0017	.00222	.00483	.0019	.0040	.00022	.00004	.00016
%RSD	1.1703	83.698	.09446	2849.9	919.28	.08238	.08238	320.00	1.5575	74.860
#1	.03353	.00267	1.8190	-.00165	-.00289	2.2967	4.9150	.00023	.00277	.00010
#2	.03409	.00069	1.8214	.00149	.00394	2.2941	4.9093	-.00009	.00284	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00058	-.00106	.00826	.00077	.00153	.00053
Stddev	.00010	.00043	.01449	.00012	.00016	.00126
%RSD	16.683	40.244	175.46	15.154	10.497	239.13
#1	.00065	-.00136	-.00199	.00069	.00142	-.00036
#2	.00051	-.00076	.01851	.00085	.00164	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4130.3	65280.	6358.4
Stddev	1.0	648.	40.8
%RSD	.02328	.99220	.64221
#1	4131.0	65738.	6329.5
#2	4129.6	64822.	6387.3

Sample Name: 280-27314-c-2-b Acquired: 4/10/2012 14:07:11 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00098	.64644	.00004	.08563	.01262	.00008	-.00172	9.0246	.00022	-.00010
Stddev	.00029	.00307	.00507	.00043	.00013	.00004	.00004	.2161	.00006	.00010
%RSD	29.793	.47517	11560.	.50204	1.0576	50.789	2.0956	2.3941	27.063	102.70
#1	.00078	.64426	.00363	.08532	.01272	.00011	-.00175	9.1774	.00018	-.00016
#2	.00119	.64861	-.00354	.08593	.01253	.00005	-.00170	8.8718	.00027	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00104	-.00001	.76778	8.0296	.00255	2.9503	.00151	-.00018	52.326	.00079
Stddev	.00001	.00028	.02314	.2114	.00122	.0147	.00005	.00018	1.456	.00012
%RSD	.68430	2392.8	3.0140	2.6321	47.936	.49665	3.5984	97.037	2.7828	15.074
#1	.00105	-.00021	.78414	8.1790	.00341	2.9606	.00155	-.00006	53.355	.00087
#2	.00104	.00019	.75142	7.8802	.00168	2.9399	.00147	-.00031	51.296	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05881	-.00004	13.851	-.00237	-.00341	3.0504	6.5278	.00064	.01866	-.00110
Stddev	.00428	.00167	.057	.00124	.00085	.0729	.1560	.00122	.00052	.00001
%RSD	7.2730	4340.5	.41276	52.122	24.982	2.3905	2.3905	191.40	2.7665	1.1858
#1	.05578	-.00122	13.811	-.00150	-.00401	3.1019	6.6381	-.00023	.01903	-.00111
#2	.06183	.00114	13.892	-.00324	-.00280	2.9988	6.4175	.00150	.01830	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	-.00191	.02252	.01364	.00238	.00058
Stddev	.00011	.00115	.01195	.00035	.00106	.00101
%RSD	18.545	60.006	53.054	2.5362	44.304	174.35
#1	.00069	-.00272	.03096	.01389	.00164	.00129
#2	.00053	-.00110	.01407	.01340	.00313	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4020.3	63022.	6089.0
Stddev	19.6	314.	62.5
%RSD	.48656	.49874	1.0261
#1	4034.1	62800.	6044.8
#2	4006.4	63244.	6133.2

Sample Name: CCVH-1351956 Acquired: 4/10/2012 14:09:32 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00210**	**52.777**	**-.00205**	**.00131**	**.00041**	**-.00002**	**1.0272**	**-.00433**	**-.00013**	**.00032**	**.00039**	**.00342**	**53.461**
Stddev	.00023	.439	.00114	.00039	.00018	.00002	.0063	.00194	.00029	.00006	.00003	.00053	.682
%RSD	11.196	.83207	55.414	29.913	44.483	109.57	.61851	44.682	225.82	17.550	7.7503	15.583	1.2765
#1	.00193	53.087	-.00125	.00104	.00053	-.00003	1.0317	-.00570	-.00034	.00036	.00037	.00380	53.944
#2	.00226	52.466	-.00285	.00159	.00028	.00000	1.0227	-.00296	.00008	.00028	.00041	.00304	52.979
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13030**	**-.00004**	**.01916**	**.00007**	**-.00088**	**270.35**	**.00164**	**.00317**	**-.00185**	**5.0520**	**-.00229**	**.00101**	**.01267**
Stddev	.01412	.00022	.00053	.00000	.00031	2.20	.00007	.00190	.00056	.0627	.00444	.00018	.02424
%RSD	10.838	550.79	2.7527	2.1269	34.774	.81395	3.9928	59.920	30.276	1.2417	193.73	17.681	191.26
#1	.14029	-.00020	.01953	.00007	-.00110	271.90	.00159	.00452	-.00146	5.0963	-.00543	.00089	-.00447
#2	.12032	.00012	.01878	.00007	-.00066	268.79	.00169	.00183	-.00225	5.0076	.00085	.00114	.02981
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02712**	**.00255**	**.00039**	**5.0230**	**.00198**	**-.00099**	**9.9752**	**.00232**	**.00119**	**.01425**
Stddev	.05186	.00058	.00001	.0061	.00007	.00166	.0069	.00035	.00060	.00299
%RSD	191.26	22.616	3.7605	.12191	3.5287	167.70	.06958	15.224	50.640	21.009
#1	-.00956	.00214	.00038	5.0273	.00203	.00018	9.9801	.00207	.00161	.01637
#2	.06379	.00296	.00040	5.0187	.00193	-.00216	9.9703	.00257	.00076	.01213
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3950.0**	**61309.**	**6075.1**
Stddev	18.3	27.	19.9
%RSD	.46285	.04420	.32725
#1	3937.0	61290.	6061.1
#2	3962.9	61329.	6089.2

Sample Name: CCV-1351954 Acquired: 4/10/2012 14:11:52 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51406**	**.50361**	**.96600**	**.50664**	**.52750**	**.49885**	**.00012**	**5.0495**	**.51159**	**.50577**	**.50589**	**.51359**	**2.6172**
Stddev	.00370	.00255	.00185	.00204	.00390	.00414	.00067	.0483	.00097	.00119	.00056	.00690	.0184
%RSD	.72055	.50581	.19131	.40188	.73950	.83027	580.30	.95627	.18917	.23469	.11103	1.3432	.70401
#1	.51668	.50181	.96469	.50808	.52475	.49593	.00059	5.0153	.51228	.50660	.50629	.51847	2.6042
#2	.51144	.50542	.96730	.50521	.53026	.50178	-.00036	5.0836	.51091	.50493	.50549	.50872	2.6302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.810**	**1.0465**	**19.894**	**.50747**	**.50256**	**5.1862**	**.50601**	**.99396**	**.96918**	**.00622**	**1.0028**	**1.0394**	**5.0412**
Stddev	.255	.0092	.204	.00460	.00157	.0684	.00112	.00371	.00051	.00422	.0050	.0039	.0305
%RSD	.48313	.88411	1.0241	.90736	.31172	1.3189	.22218	.37303	.05271	67.734	.49556	.37109	.60590
#1	52.629	1.0400	20.038	.51072	.50367	5.1378	.50680	.99658	.96955	.00920	1.0063	1.0421	5.0196
#2	52.990	1.0530	19.749	.50421	.50146	5.2346	.50521	.99134	.96882	.00324	.99927	1.0366	5.0628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.788**	**1.0235**	**.51842**	**-.00200**	**.49512**	**1.0500**	**.00359**	**.50230**	**.48593**	**.51701**
Stddev	.065	.0038	.00242	.00073	.00559	.0007	.01827	.00462	.00342	.00550
%RSD	.60590	.37413	.46692	36.273	1.1285	.06268	508.81	.91981	.70334	1.0641
#1	10.742	1.0262	.51671	-.00251	.49907	1.0495	.01651	.50556	.48835	.51312
#2	10.834	1.0208	.52013	-.00149	.49117	1.0504	-.00933	.49903	.48351	.52090
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.0**	**62833.**	**6096.6**
Stddev	7.1	536.	55.3
%RSD	.17753	.85252	.90700
#1	4017.9	62454.	6135.7
#2	4028.0	63211.	6057.5

Sample Name: CCB Acquired: 4/10/2012 14:14:04 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00097**	**.00003**	**.00108**	**.00027**	**.00008**	**.00005**	**-.00228**	**-.00061**	**.00015**	**-.00007**	**.00009**	**-.00091**
Stddev	.00007	.00010	.00196	.00031	.00004	.00004	.00257	.00219	.00007	.00004	.00006	.00013
%RSD	7.2583	379.26	182.26	115.09	49.364	71.228	113.13	356.40	50.831	56.896	67.884	13.784
#1	.00092	-.00004	-.00031	.00049	.00011	.00008	-.00410	-.00216	.00020	-.00004	.00013	-.00100
#2	.00102	.00009	.00246	.00005	.00005	.00003	-.00046	.00093	.00009	-.00010	.00004	-.00082
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.03751**	W **.00280**	**.00381**	**.00003**	**.00089**	W **.09513**	**-.00020**	**.00082**	**.00049**	**.00421**	**-.00020**
Stddev	.00160	.02247	.00104	.00129	.00001	.00050	.01048	.00025	.00071	.00014	.00276	.00014
%RSD	639.47	59.920	37.358	33.735	20.515	56.653	11.018	125.79	86.137	28.749	65.524	72.008
#1	.00138	.05340	.00206	.00472	.00004	.00053	.08772	-.00002	.00132	.00039	.00226	-.00010
#2	-.00088	.02161	.00354	.00290	.00003	.00125	.10254	-.00037	.00032	.00059	.00616	-.00030
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.09160					
Low Limit			-.00261				-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.00593**	**.01270**	**.00073**	**.00003**	**-.00116**	**.00007**	**-.00022**	**.00818**	**.00058**	**.00178**	**.00053**
Stddev	.00190	.01117	.02390	.00060	.00003	.00192	.00003	.00002	.01043	.00003	.00019	.00149
%RSD	153.26	188.16	188.16	83.155	106.17	166.13	48.295	9.3071	127.59	6.0547	10.871	281.50
#1	.00010	-.00196	-.00420	.00030	.00006	.00020	.00010	-.00023	.00080	.00055	.00164	-.00052
#2	-.00258	.01383	.02960	.00115	.00001	-.00251	.00005	-.00020	.01555	.00060	.00192	.00158
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4078.5**	**64019.**	**6064.8**
Stddev	1.3	101.	.8
%RSD	.03138	.15736	.01291
#1	4079.4	63948.	6064.2
#2	4077.5	64090.	6065.3

Sample Name: CCVL1351959 Acquired: 4/10/2012 14:16:27 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01094**	**.10342**	**.01674**	**.09377**	**.01096**	**.00102**	**.10740**	**.20664**	**.00521**	**.01023**	**.01055**	**.01481**	**.10824**
Stddev	.00020	.00028	.00192	.00048	.00011	.00001	.00074	.00063	.00006	.00003	.00013	.00010	.00253
%RSD	1.8189	.27145	11.450	.51176	1.0473	.90031	.68941	.30393	1.1129	.33541	1.2350	.68863	2.3397
#1	.01108	.10323	.01539	.09411	.01104	.00103	.10688	.20709	.00517	.01025	.01064	.01488	.11003
#2	.01079	.10362	.01810	.09343	.01087	.00102	.10792	.20620	.00525	.01021	.01045	.01473	.10644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3431**	**.01066**	**.20626**	**.01046**	**.01971**	**1.1597**	**.04162**	**2.7356**	**.00996**	**.00515**	**.00761**	F **.01030**	**.48681**
Stddev	.0470	.00087	.00232	.00003	.00036	.0088	.00032	.0160	.00019	.00397	.00116	.00118	.01439
%RSD	1.4048	8.1933	1.1238	.30664	1.8491	.75451	.76705	.58685	1.9407	77.204	15.250	11.429	2.9559
#1	3.3763	.01005	.20462	.01048	.01945	1.1659	.04185	2.7470	.00983	.00795	.00679	.01113	.49698
#2	3.3099	.01128	.20790	.01044	.01996	1.1535	.04140	2.7243	.01010	.00234	.00843	.00947	.47663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0418**	**.10164**	**.01072**	**.01609**	**.00956**	**.01414**	F **.08068**	**.01028**	**.02111**	**.01515**
Stddev	.0308	.00159	.00009	.00042	.00006	.00029	.00453	.00023	.00042	.00098
%RSD	2.9559	1.5626	.83118	2.5822	.63782	2.0280	5.6209	2.2678	2.0061	6.4420
#1	1.0635	.10276	.01079	.01639	.00952	.01394	.08388	.01045	.02081	.01584
#2	1.0200	.10051	.01066	.01580	.00960	.01435	.07747	.01012	.02141	.01446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4107.4**	**64530.**	**6148.7**
Stddev	13.5	304.	11.2
%RSD	.32892	.47159	.18240
#1	4097.9	64315.	6140.8
#2	4117.0	64746.	6156.6

Sample Name: 280-27314-c-3-b Acquired: 4/10/2012 14:18:49 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00054	.30371	.00206	.30870	.12837	-.00001	-.00210	158.75	.00125	.00002
Stddev	.00013	.00225	.00161	.00170	.00102	.00005	.00006	.69	.00004	.00001
%RSD	24.190	.73996	78.173	.55221	.79273	402.22	2.6411	.43625	3.3076	29.149
#1	.00045	.30212	.00092	.30750	.12909	-.00005	-.00206	159.24	.00122	.00002
#2	.00063	.30530	.00320	.30991	.12765	.00002	-.00214	158.26	.00127	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00293	.03567	1.6328	41.554	.00249	21.330	.10761	-.00003	88.860	.00393
Stddev	.00007	.00012	.0083	.146	.00118	.042	.00042	.00023	.274	.00007
%RSD	2.4480	.32240	.51086	.35121	47.368	.19658	.38807	703.30	.30794	1.7279
#1	.00298	.03559	1.6387	41.657	.00333	21.301	.10732	.00013	89.053	.00398
#2	.00288	.03575	1.6269	41.451	.00166	21.360	.10791	-.00019	88.666	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.30190	.00369	108.55	-.00484	.00508	4.1387	8.8569	.00025	.61135	-.00007
Stddev	.00251	.00106	.64	.00260	.00348	.0227	.0486	.00044	.00183	.00047
%RSD	.83141	28.621	.59193	53.776	68.416	.54918	.54918	172.90	.29943	706.41
#1	.30012	.00444	108.09	-.00668	.00754	4.1548	8.8912	-.00006	.61264	.00026
#2	.30367	.00294	109.00	-.00300	.00262	4.1226	8.8225	.00056	.61005	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00168	-.00032	.02177	.01555	.08380	.00167
Stddev	.00034	.00098	.02252	.00013	.00073	.00147
%RSD	20.179	308.82	103.44	.82401	.87660	88.278
#1	.00144	-.00101	.03769	.01546	.08328	.00271
#2	.00192	.00037	.00585	.01564	.08432	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3855.5	60661.	6154.0
Stddev	14.0	302.	40.1
%RSD	.36342	.49796	.65200
#1	3865.4	60875.	6125.7
#2	3845.6	60448.	6182.4

Sample Name: 280-27314-c-4-b Acquired: 4/10/2012 14:21:11 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	W **2.5788**	W **3.0154**	**.00466**	**.13879**	**.08272**	**.00014**	**-.00220**	**16.128**	**.00016**
Stddev	.00033	.0172	.0012	.00241	.00078	.00003	.00008	.00079	.019	.00002
%RSD	40.833	.66654	.03977	51.581	.56055	.03634	56.746	35.797	.11866	13.217
#1	.00103	2.5910	3.0146	.00296	.13934	.08274	.00020	-.00165	16.114	.00018
#2	.00057	2.5667	3.0163	.00636	.13824	.08270	.00009	-.00276	16.141	.00015
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.5000	500.00							
Low Limit		-.05000	3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00123**	**.00048**	**1.3465**	**11.852**	**.00095**	**2.9292**	**.00753**	**-.00018**	**36.931**
Stddev	.00021	.00012	.00002	.0031	.027	.00170	.0063	.00005	.00039	.663
%RSD	149.51	9.9092	4.0363	.23249	.23049	179.15	.21566	.61535	225.32	1.7939
#1	-.00001	.00131	.00047	1.3443	11.832	.00215	2.9336	.00750	-.00045	37.400
#2	.00030	.00114	.00049	1.3487	11.871	-.00025	2.9247	.00757	.00010	36.463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.10100**	**.00230**	**17.412**	**-.00249**	**-.00277**	**2.7998**	**5.9916**	**.00053**	**.11204**
Stddev	.00007	.00148	.00087	.038	.00064	.00240	.0252	.0540	.00028	.00011
%RSD	373.55	1.4699	37.774	.21710	25.641	86.313	.90138	.90138	53.226	.10138
#1	.00003	.10205	.00169	17.438	-.00294	-.00447	2.8177	6.0298	.00033	.11212
#2	-.00007	.09995	.00292	17.385	-.00204	-.00108	2.7820	5.9534	.00073	.11196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00140**	**-.00152**	**.00160**	**.00400**	**.00253**	**.00151**
Stddev	.00100	.00007	.00128	.02698	.00002	.00023	.00132
%RSD	473.95	4.8239	83.853	1688.5	.41643	9.1288	87.536
#1	.00092	.00145	-.00062	.02068	.00401	.00236	.00245
#2	-.00050	.00136	-.00242	-.01748	.00399	.00269	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4047.9**	**63354.**	**6185.7**
Stddev	1.9	2.	31.7
%RSD	.04784	.00381	.51302
#1	4049.3	63356.	6208.2
#2	4046.5	63352.	6163.3

Sample Name: 280-27314-c-5-b Acquired: 4/10/2012 14:23:32 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**1.6709**	**.00264**	**.10787**	**.05511**	**.00033**	**-.00285**	**35.376**	**.00018**	**.00013**
Stddev	.00042	.0039	.00020	.00034	.00016	.00008	.00130	.316	.00002	.00014
%RSD	53.404	.23141	7.4075	.31304	.28973	25.373	45.747	.89443	13.527	107.13
#1	.00049	1.6681	.00250	.10811	.05522	.00039	-.00193	35.600	.00020	.00003
#2	.00108	1.6736	.00278	.10764	.05500	.00027	-.00377	35.152	.00017	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**.00041**	**1.6631**	**8.6802**	**.00048**	**4.7465**	**.00582**	**-.00005**	**17.145**	**.00020**
Stddev	.00005	.00027	.0173	.0749	.00104	.0668	.00005	.00006	.017	.00037
%RSD	1.2742	66.899	1.0429	.86264	214.98	1.4076	.88828	103.66	.09681	187.41
#1	.00372	.00060	1.6754	8.7332	.00121	4.6993	.00578	-.00009	17.134	.00046
#2	.00378	.00022	1.6509	8.6273	-.00025	4.7938	.00586	-.00001	17.157	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06960**	**.00105**	**41.284**	**-.00165**	**.00103**	**2.5630**	**5.4848**	**.00107**	**.13208**	**-.00020**
Stddev	.00105	.00018	.013	.00006	.00257	.0137	.0292	.00015	.00034	.00040
%RSD	1.5139	17.199	.03213	3.5729	248.73	.53273	.53273	13.670	.25453	204.72
#1	.06886	.00117	41.275	-.00161	.00285	2.5726	5.5055	.00096	.13231	.00009
#2	.07035	.00092	41.294	-.00169	-.00078	2.5533	5.4641	.00117	.13184	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00217**	**-.00007**	**.00780**	**.00722**	**.00302**	**.00252**
Stddev	.00002	.00009	.03107	.00012	.00060	.00024
%RSD	.90173	133.50	398.32	1.6110	19.760	9.6159
#1	.00216	.00000	.02977	.00714	.00344	.00235
#2	.00219	-.00013	-.01417	.00730	.00259	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.8**	**63941.**	**6189.7**
Stddev	6.1	666.	100.1
%RSD	.15115	1.0421	1.6174
#1	4059.5	64412.	6118.9
#2	4068.2	63470.	6260.5

Sample Name: 280-27314-c-6-b Acquired: 4/10/2012 14:25:55 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00103	.58443	.00396	.02458	.01958	.00013	-.00158	3.6705	.00006	-.00013
Stddev	.00035	.00219	.00010	.00028	.00026	.00008	.00005	.0245	.00006	.00019
%RSD	34.082	.37407	2.4234	1.1355	1.3428	62.447	2.9845	.66875	97.281	148.77
#1	.00079	.58288	.00403	.02438	.01976	.00018	-.00155	3.6878	.00002	.00001
#2	.00128	.58597	.00389	.02478	.01939	.00007	-.00161	3.6531	.00010	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00111	-.00040	1.0078	1.4525	.00270	1.9150	.00237	-.00019	19.643	.00003
Stddev	.00004	.00001	.0041	.0158	.00151	.0051	.00001	.00015	.120	.00002
%RSD	3.2101	1.6201	.40720	1.0849	55.996	.26784	.22357	76.637	.61061	79.173
#1	.00113	-.00041	1.0107	1.4413	.00377	1.9114	.00237	-.00009	19.558	.00004
#2	.00108	-.00040	1.0049	1.4636	.00163	1.9186	.00237	-.00030	19.728	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94221	.00095	1.1926	-.00220	-.00342	3.4253	7.3301	.00126	.02715	-.00176
Stddev	.01002	.00090	.0027	.00137	.00355	.0497	.1064	.00014	.00018	.00177
%RSD	1.0630	94.030	.22709	62.524	103.58	1.4514	1.4514	10.989	.65061	100.62
#1	.93513	.00159	1.1907	-.00317	-.00092	3.4604	7.4053	.00135	.02727	-.00300
#2	.94930	.00032	1.1945	-.00123	-.00593	3.3901	7.2549	.00116	.02702	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	-.00135	.02852	.00281	.00217	.00069
Stddev	.00029	.00153	.00956	.00005	.00092	.00031
%RSD	942.69	113.43	33.523	1.8270	42.148	45.287
#1	-.00017	-.00027	.03529	.00278	.00153	.00047
#2	.00024	-.00243	.02176	.00285	.00282	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4107.3	64540.	6233.3
Stddev	4.4	235.	14.0
%RSD	.10652	.36388	.22503
#1	4110.4	64706.	6223.4
#2	4104.2	64374.	6243.2

Sample Name: 280-27314-c-7-b Acquired: 4/10/2012 14:28:18 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**1.4663**	**.01656**	**.34870**	**.03647**	**.00004**	**-.00419**	**78.019**	**.00129**	**.00423**
Stddev	.00031	.0005	.00077	.00067	.00012	.00005	.00107	.393	.00000	.00003
%RSD	41.669	.03123	4.6494	.19261	.32047	121.33	25.545	.50427	.13206	.75498
#1	.00096	1.4666	.01602	.34918	.03639	.00008	-.00494	77.741	.00129	.00421
#2	.00052	1.4660	.01711	.34823	.03656	.00001	-.00343	78.297	.00129	.00425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**.00443**	**6.2326**	**15.037**	**.00177**	**2.8762**	**.02475**	**-.00033**	**46.937**	**.00605**
Stddev	.00008	.00005	.0129	.091	.00020	.0076	.00017	.00017	.121	.00039
%RSD	6.2210	1.1936	.20760	.60437	11.481	.26424	.69576	51.888	.25800	6.4458
#1	.00128	.00439	6.2235	14.973	.00163	2.8709	.02462	-.00046	47.023	.00633
#2	.00117	.00446	6.2418	15.102	.00192	2.8816	.02487	-.00021	46.852	.00578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13512**	**.00205**	**70.864**	**-.00428**	**.00146**	**6.5249**	**13.963**	**-.00015**	**.45547**	**.00028**
Stddev	.00187	.00004	.139	.00181	.00061	.0501	.107	.00009	.00096	.00136
%RSD	1.3817	2.0267	.19583	42.217	42.039	.76733	.76733	57.143	.21106	492.46
#1	.13380	.00208	70.962	-.00300	.00189	6.4895	13.888	-.00009	.45479	.00124
#2	.13644	.00202	70.766	-.00556	.00102	6.5603	14.039	-.00022	.45615	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00268**	**.00597**	**.00307**	**.03385**	**.00114**
Stddev	.00019	.00054	.00473	.00025	.00067	.00198
%RSD	17.546	20.126	79.265	8.0525	1.9786	173.41
#1	.00097	.00230	.00263	.00324	.03432	-.00026
#2	.00125	.00306	.00932	.00289	.03338	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3970.3**	**62693.**	**6259.8**
Stddev	11.0	452.	26.5
%RSD	.27667	.72019	.42311
#1	3962.5	63012.	6278.5
#2	3978.0	62374.	6241.0

Sample Name: 280-27314-c-8-b Acquired: 4/10/2012 14:30:38 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**1.8655**	**.00193**	**.03156**	**.01068**	**.00022**	**-.00526**	**31.977**	**.00067**	**.00068**
Stddev	.00005	.0066	.00059	.00017	.00007	.00000	.00031	.017	.00026	.00012
%RSD	9.7537	.35227	30.535	.55356	.65181	1.6473	5.9780	.05321	38.851	17.914
#1	.00052	1.8702	.00235	.03169	.01063	.00022	-.00548	31.965	.00048	.00059
#2	.00060	1.8609	.00151	.03144	.01073	.00022	-.00504	31.989	.00085	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00221**	**.00216**	**1.2583**	**2.6150**	**.00414**	**3.4114**	**.01582**	**-.00025**	**23.741**	**.00051**
Stddev	.00000	.00006	.0089	.0044	.00019	.0220	.00004	.00001	.185	.00013
%RSD	.22013	2.9679	.70824	.16703	4.6393	.64402	.22907	3.9202	.77866	25.866
#1	.00220	.00211	1.2520	2.6120	.00428	3.3958	.01585	-.00026	23.610	.00042
#2	.00221	.00220	1.2646	2.6181	.00401	3.4269	.01580	-.00025	23.872	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03287**	**.00187**	**13.835**	**-.00466**	**-.00128**	**4.4719**	**9.5698**	**.00048**	**.11041**	**-.00081**
Stddev	.00252	.00092	.053	.00023	.00196	.0533	.1141	.00051	.00031	.00124
%RSD	7.6557	48.972	.38666	4.9226	152.85	1.1923	1.1923	106.17	.28248	154.07
#1	.03465	.00252	13.873	-.00450	-.00266	4.4342	9.4891	.00084	.11019	-.00169
#2	.03109	.00123	13.797	-.00483	.00010	4.5096	9.6505	.00012	.11063	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**-.00095**	**.00710**	**.00439**	**.06386**	**.00105**
Stddev	.00015	.00036	.02861	.00010	.00005	.00113
%RSD	12.480	38.207	403.07	2.3053	.07900	107.25
#1	.00131	-.00120	.02732	.00446	.06389	.00025
#2	.00110	-.00069	-.01313	.00432	.06382	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4067.5**	**63998.**	**6331.5**
Stddev	4.4	392.	7.7
%RSD	.10936	.61252	.12220
#1	4064.4	64275.	6337.0
#2	4070.7	63721.	6326.1

Sample Name: 280-27314-c-9-b Acquired: 4/10/2012 14:33:00 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.62899**	**.00389**	**.04337**	**.01975**	**.00003**	**-.00400**	**55.880**	**.00087**	**.00072**
Stddev	.00037	.00420	.00059	.00003	.00001	.00007	.00117	.123	.00004	.00017
%RSD	39.243	.66727	15.297	.07446	.06273	222.22	29.287	.22073	4.6864	23.135
#1	.00068	.63196	.00347	.04339	.01976	-.00002	-.00483	55.967	.00084	.00060
#2	.00121	.62602	.00431	.04334	.01974	.00008	-.00318	55.793	.00090	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.22647**	**.97483**	**3.5417**	**.00120**	**6.5458**	**.01957**	**-.00001**	**21.373**	**.00063**
Stddev	.00001	.00159	.00815	.0308	.00186	.0370	.00010	.00020	.270	.00002
%RSD	.79846	.70125	.83588	.87005	154.86	.56563	.50213	2248.3	1.2644	3.1043
#1	.00151	.22535	.98059	3.5199	-.00011	6.5196	.01950	.00013	21.181	.00064
#2	.00149	.22759	.96907	3.5635	.00252	6.5720	.01964	-.00015	21.564	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15911**	**.01000**	**17.252**	**-.00245**	**-.00042**	**9.4260**	**20.172**	**.00074**	**.22752**	**-.00048**
Stddev	.00213	.00004	.028	.00076	.00153	.0818	.175	.00012	.00027	.00022
%RSD	1.3406	.43674	.16273	30.959	368.78	.86801	.86801	15.566	.12006	44.866
#1	.16062	.01003	17.232	-.00299	-.00150	9.4839	20.296	.00083	.22732	-.00033
#2	.15760	.00997	17.272	-.00192	.00067	9.3682	20.048	.00066	.22771	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00018**	**.00008**	**.00187**	**.62753**	**.00216**
Stddev	.00007	.00156	.02650	.00050	.00154	.00038
%RSD	4.2967	884.83	34928.	26.471	.24469	17.604
#1	.00150	.00093	.01881	.00222	.62644	.00190
#2	.00160	-.00128	-.01866	.00152	.62861	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4032.1**	**63534.**	**6293.3**
Stddev	5.8	265.	12.9
%RSD	.14432	.41769	.20472
#1	4036.2	63721.	6284.2
#2	4028.0	63346.	6302.4

Sample Name: 280-27314-c-10-b Acquired: 4/10/2012 14:35:20 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114413 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.00651**	**.00358**	**-.00008**	**.00064**	**.00002**	**-.00460**	**.03813**	**.00002**	**-.00026**
Stddev	.00048	.00010	.00160	.00013	.00010	.00007	.00039	.00041	.00006	.00001
%RSD	49.803	1.5459	44.747	167.35	16.061	320.24	8.5775	1.0730	327.96	4.5112
#1	.00129	.00658	.00245	.00001	.00072	.00007	-.00432	.03842	-.00002	-.00025
#2	.00062	.00644	.00471	-.00017	.00057	-.00003	-.00488	.03784	.00006	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00074**	**.01468**	**.07854**	**.00050**	**.00500**	**.00041**	**-.00004**	**.10278**	**-.00001**
Stddev	.00006	.00036	.00080	.00863	.00039	.00106	.00001	.00008	.00107	.00017
%RSD	45.489	48.179	5.4725	10.987	76.556	21.162	2.1031	176.99	1.0378	1263.6
#1	.00010	-.00049	.01525	.08465	.00078	.00425	.00040	.00001	.10203	-.00013
#2	.00019	-.00099	.01411	.07244	.00023	.00575	.00042	-.00010	.10354	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00076**	**.01661**	**-.00410**	**-.00180**	**.00687**	**.01470**	**.00161**	**.00013**	**-.00076**
Stddev	.00186	.00080	.00354	.00140	.00085	.00317	.00679	.00014	.00000	.00064
%RSD	206.63	105.13	21.290	34.218	47.166	46.192	46.192	8.9250	1.7985	84.562
#1	.00222	.00133	.01911	-.00510	-.00240	.00463	.00990	.00171	.00013	-.00122
#2	-.00042	.00020	.01411	-.00311	-.00120	.00911	.01950	.00151	.00013	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00148**	**.01125**	**.00010**	**.00292**	**-.00049**
Stddev	.00016	.00017	.00420	.00014	.00018	.00064
%RSD	599.14	11.671	37.353	137.57	6.2223	129.63
#1	.00009	-.00160	.00828	.00000	.00305	-.00004
#2	-.00014	-.00136	.01422	.00020	.00279	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4129.1**	**65957.**	**6344.0**
Stddev	18.4	36.	33.1
%RSD	.44665	.05412	.52223
#1	4142.2	65932.	6367.4
#2	4116.1	65983.	6320.5

Sample Name: CCVH-1351956 Acquired: 4/10/2012 14:37:45 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00188**	**53.716**	**-.00272**	**.00152**	**.00068**	**.00000**	**1.0310**	**-.00377**	**.00012**	**.00007**	**.00021**	**.00292**	**53.841**
Stddev	.00017	.028	.00156	.00062	.00008	.00004	.0033	.00306	.00011	.00024	.00016	.00039	.229
%RSD	9.0046	.05295	57.339	40.533	11.301	1089.9	.32315	81.253	93.447	344.79	77.782	13.443	.42575
#1	.00176	53.696	-.00383	.00108	.00062	-.00002	1.0286	-.00160	.00019	.00023	.00032	.00320	54.003
#2	.00200	53.737	-.00162	.00195	.00073	.00003	1.0333	-.00594	.00004	-.00010	.00009	.00265	53.678
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12286**	**.00237**	**.02035**	**-.00006**	**-.00112**	**274.72**	**.00174**	**.00330**	**-.00281**	**5.0611**	**-.00397**	**-.00530**	**.00945**
Stddev	.00657	.00191	.00046	.00004	.00004	.02	.00021	.00038	.00045	.0006	.00042	.00080	.01696
%RSD	5.3492	80.631	2.2747	65.458	3.4746	.00821	12.318	11.362	16.065	.01128	10.594	15.090	179.44
#1	.12751	.00372	.02067	-.00009	-.00109	274.70	.00159	.00304	-.00313	5.0607	-.00427	-.00474	.02144
#2	.11821	.00102	.02002	-.00003	-.00114	274.73	.00189	.00357	-.00249	5.0615	-.00368	-.00587	-.00254
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02022**	**.00286**	**.00041**	**5.0073**	**.00281**	**-.00070**	**9.9897**	**.00184**	**.00064**	**.02050**
Stddev	.03629	.00027	.00002	.1077	.00014	.00128	.1664	.00009	.00037	.00182
%RSD	179.44	9.5303	3.9309	2.1509	5.0594	183.25	1.6653	4.9272	57.368	8.8890
#1	.04588	.00305	.00040	4.9311	.00271	.00021	9.8721	.00191	.00038	.02179
#2	-.00544	.00267	.00042	5.0834	.00291	-.00160	10.107	.00178	.00090	.01921
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3971.7**	**62109.**	**6090.7**
Stddev	14.9	1046.	44.9
%RSD	.37544	1.6844	.73715
#1	3961.2	62848.	6058.9
#2	3982.3	61369.	6122.4

Sample Name: CCV-1351954 Acquired: 4/10/2012 14:40:05 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51639**	**.50255**	**.96234**	**.50607**	**.53795**	**.50591**	**-.00250**	**5.0951**	**.51210**	**.50559**	**.50736**	**.51666**	**2.6645**
Stddev	.00131	.00055	.00004	.00047	.00444	.00329	.00205	.0424	.00096	.00056	.00009	.00179	.0191
%RSD	.25450	.10874	.00407	.09337	.82546	.64967	82.010	.83225	.18782	.11146	.01708	.34720	.71518
#1	.51546	.50216	.96231	.50574	.53481	.50359	-.00105	5.0651	.51142	.50519	.50742	.51539	2.6510
#2	.51732	.50293	.96236	.50640	.54109	.50824	-.00395	5.1251	.51278	.50599	.50729	.51793	2.6779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.347**	**1.0660**	**19.715**	**.50730**	**.50411**	**5.2635**	**.50653**	**.98027**	**.95878**	**.01192**	**.99951**	**1.0371**	**5.0629**
Stddev	.378	.0043	.037	.00124	.00079	.0326	.00016	.00394	.00206	.00163	.00132	.0060	.0633
%RSD	.70767	.39870	.18847	.24469	.15614	.61871	.03173	.40222	.21499	13.674	.13161	.57801	1.2497
#1	53.080	1.0630	19.689	.50642	.50356	5.2405	.50642	.97748	.95733	.01307	1.0004	1.0413	5.0182
#2	53.614	1.0690	19.741	.50817	.50467	5.2865	.50665	.98306	.96024	.01076	.99858	1.0328	5.1077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.835**	**1.0249**	**.52742**	**-.00276**	**.49432**	**1.0513**	**.01396**	**.50341**	**.47522**	**.52836**
Stddev	.135	.0039	.00363	.00191	.00368	.0007	.03454	.00220	.00220	.00063
%RSD	1.2497	.38017	.68801	69.180	.74443	.06723	247.41	.43616	.46392	.11967
#1	10.739	1.0276	.52486	-.00141	.49172	1.0508	-.01046	.50186	.47366	.52791
#2	10.930	1.0221	.52999	-.00411	.49692	1.0518	.03839	.50497	.47677	.52881
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4042.8**	**63273.**	**6189.6**
Stddev	10.9	457.	54.3
%RSD	.27030	.72192	.87756
#1	4050.5	63596.	6228.0
#2	4035.0	62950.	6151.2

Sample Name: CCB Acquired: 4/10/2012 14:42:17 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00101**	**.00051**	**.00188**	**-.00002**	**.00028**	**.00010**	**-.00308**	**-.00141**	**.00018**	**.00003**	**.00013**	**-.00119**
Stddev	.00048	.00007	.00045	.00029	.00003	.00000	.00250	.00101	.00021	.00036	.00015	.00012
%RSD	47.957	14.440	24.106	1198.0	11.662	3.9543	80.972	71.070	118.62	1053.1	120.71	10.356
#1	.00135	.00056	.00221	.00018	.00025	.00009	-.00132	-.00213	.00003	.00029	.00023	-.00128
#2	.00067	.00045	.00156	-.00023	.00030	.00010	-.00485	-.00070	.00032	-.00022	.00002	-.00110
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00318**	**.06319**	**.00086**	**.00568**	**.00015**	**.00087**	**.06998**	**.00015**	**.00071**	**.00009**	**.00426**	**.00091**
Stddev	.00119	.01463	.00122	.00067	.00006	.00073	.00580	.00007	.00489	.00007	.00013	.00031
%RSD	37.540	23.153	142.89	11.816	39.602	83.709	8.2835	43.549	684.68	82.387	3.0715	33.992
#1	.00402	.05285	.00172	.00521	.00019	.00035	.06588	.00011	.00417	.00004	.00417	.00069
#2	.00233	.07354	-.00001	.00616	.00011	.00138	.07408	.00020	-.00274	.00014	.00435	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**.00238**	**.00508**	**.00138**	**.00021**	**.00010**	**.00003**	**-.00212**	**.00810**	**.00018**	**.00144**	**-.00003**
Stddev	.00124	.01095	.02344	.00038	.00001	.00049	.00023	.00038	.01811	.00007	.00031	.00131
%RSD	51.400	461.25	461.25	27.402	3.2894	500.80	812.19	18.150	223.72	36.080	21.728	4489.8
#1	-.00328	-.00537	-.01149	.00111	.00020	.00045	.00019	-.00185	.02090	.00023	.00122	.00089
#2	-.00153	.01012	.02166	.00164	.00021	-.00025	-.00014	-.00239	-.00471	.00014	.00166	-.00095
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4084.8**	**64580.**	**6100.7**
Stddev	4.2	126.	21.5
%RSD	.10376	.19484	.35258
#1	4087.8	64491.	6115.9
#2	4081.8	64669.	6085.5

Sample Name: CCVL1351959 Acquired: 4/10/2012 14:44:41 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01096**	**.10312**	**.01465**	**.09364**	**.01136**	**.00101**	**.10769**	**.20881**	**.00524**	**.01064**	**.01041**	**.01485**	**.11119**	**3.3870**
Stddev	.00008	.00118	.00207	.00074	.00010	.00002	.00025	.00081	.00015	.00006	.00017	.00006	.00174	.0248
%RSD	.77405	1.1403	14.145	.79467	.86887	2.4379	.23635	.38684	2.9217	.56605	1.6794	.40332	1.5642	.73243
#1	.01090	.10395	.01318	.09417	.01143	.00103	.10787	.20938	.00513	.01059	.01053	.01489	.11242	3.4045
#2	.01102	.10229	.01612	.09312	.01129	.00099	.10751	.20824	.00535	.01068	.01029	.01481	.10996	3.3694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01255**	**.20719**	**.01047**	**.01969**	**1.1482**	**.04157**	**2.7314**	**.00979**	**.00221**	**.00709**	**.01421**	**.49465**	**1.0585**	**.10223**
Stddev	.00066	.00005	.00008	.00008	.0098	.00010	.0083	.00005	.00381	.00102	.00523	.00051	.0011	.00127
%RSD	5.2650	.02521	.73065	.41265	.84875	.24287	.30191	.55725	172.26	14.399	36.832	.10230	.10230	1.2448
#1	.01208	.20715	.01053	.01975	1.1551	.04164	2.7372	.00983	-.00048	.00637	.01791	.49500	1.0593	.10313
#2	.01301	.20723	.01042	.01964	1.1413	.04150	2.7256	.00975	.00491	.00781	.01051	.49429	1.0578	.10133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01093**	**.01583**	**.00966**	**.01401**	**.06543**	**.00984**	**.02057**	**.01527**
Stddev	.00004	.00070	.00009	.00177	.00685	.00025	.00116	.00117
%RSD	.40338	4.4253	.96702	12.652	10.463	2.5418	5.6619	7.6620
#1	.01096	.01533	.00960	.01526	.07027	.01001	.02139	.01444
#2	.01090	.01632	.00973	.01275	.06059	.00966	.01974	.01610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4121.3**	**64860.**	**6070.8**
Stddev	24.9	103.	1.5
%RSD	.60322	.15860	.02392
#1	4103.8	64787.	6069.8
#2	4138.9	64933.	6071.8

Sample Name: 280-27357-a-5-c Acquired: 4/10/2012 14:47:05 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**20.170**	**.01663**	**.00689**	**.26850**	**.00268**	**-.00220**	**8.8081**	**.00060**	**.01366**
Stddev	.00014	.188	.00012	.00003	.00335	.00009	.00151	.0808	.00008	.00023
%RSD	332.37	.93001	.69735	.39949	1.2470	3.1862	68.802	.91764	14.111	1.6972
#1	.00006	20.038	.01671	.00691	.26613	.00262	-.00113	8.7509	.00054	.01350
#2	-.00014	20.303	.01655	.00687	.27087	.00274	-.00326	8.8652	.00066	.01382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03386**	**.08137**	**48.318**	**4.8850**	**.02656**	**4.8065**	**1.3549**	**.00426**	**1.2318**	**.01966**
Stddev	.00012	.00047	.507	.0154	.00277	.0210	.0024	.00008	.0144	.00030
%RSD	.36867	.57208	1.0487	.31434	10.425	.43746	.17781	1.8957	1.1665	1.5364
#1	.03394	.08104	47.960	4.8741	.02851	4.7916	1.3532	.00421	1.2216	.01987
#2	.03377	.08170	48.676	4.8958	.02460	4.8213	1.3566	.00432	1.2419	.01944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6093**	**.03756**	**.14055**	**-.00376**	**-.00376**	**2.4568**	**5.2575**	**.00764**	**.09737**	**.05551**
Stddev	.0066	.00070	.00678	.00069	.00042	.0522	.1118	.00089	.00116	.00075
%RSD	.41071	1.8689	4.8264	18.382	11.169	2.1268	2.1268	11.671	1.1881	1.3550
#1	1.6140	.03706	.13575	-.00327	-.00406	2.4198	5.1784	.00827	.09655	.05498
#2	1.6046	.03806	.14535	-.00425	-.00346	2.4937	5.3365	.00701	.09818	.05605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2945**	**-.00172**	F **-.15220**	**.07808**	**.29640**	**.03819**
Stddev	.0041	.00207	.00434	.00038	.00370	.00058
%RSD	.31828	120.66	2.8504	.49013	1.2488	1.5204
#1	1.2916	-.00319	-.14913	.07781	.29378	.03778
#2	1.2974	-.00025	-.15527	.07835	.29902	.03860
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4388.4**	**68982.**	**6736.9**
Stddev	8.7	282.	10.1
%RSD	.19770	.40900	.15037
#1	4382.2	69182.	6744.0
#2	4394.5	68783.	6729.7

Sample Name: 280-27357-a-6-a Acquired: 4/10/2012 14:49:24 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00135**	**81.969**	**.03921**	**.02577**	**1.4676**	**.00562**	**-.00688**	**20.780**	**.00332**	**.03690**
Stddev	.00029	.406	.00129	.00037	.0060	.00005	.00080	.037	.00013	.00012
%RSD	21.447	.49558	3.2896	1.4441	.41027	.92575	11.569	.17802	3.7868	.33157
#1	.00114	82.256	.04012	.02603	1.4719	.00566	-.00632	20.806	.00324	.03682
#2	.00155	81.682	.03830	.02551	1.4633	.00558	-.00745	20.754	.00341	.03699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11087**	**.21432**	**118.35**	**21.628**	**.07422**	**17.337**	**2.3582**	**.00904**	**2.1971**	**.05776**
Stddev	.00075	.00013	.37	.062	.00117	.019	.0041	.00062	.0138	.00026
%RSD	.67778	.05941	.31181	.28462	1.5805	.11049	.17460	6.8429	.62922	.45788
#1	.11034	.21441	118.61	21.671	.07504	17.323	2.3553	.00860	2.2069	.05795
#2	.11140	.21423	118.09	21.584	.07339	17.350	2.3611	.00948	2.1874	.05757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6435**	**.54815**	**3.2094**	**-.00338**	**-.00370**	**3.4524**	**7.3881**	**.03239**	**.39279**	**.12209**
Stddev	.0016	.00000	.0008	.00044	.00206	.0128	.0275	.00087	.00209	.00032
%RSD	.04454	.00070	.02540	12.876	55.800	.37186	.37186	2.6909	.53198	.25946
#1	3.6424	.54815	3.2088	-.00307	-.00516	3.4614	7.4075	.03177	.39426	.12187
#2	3.6447	.54816	3.2100	-.00369	-.00224	3.4433	7.3686	.03301	.39131	.12232
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1179**	**-.00252**	F **-.23897**	**.20709**	**1.3700**	**.09812**
Stddev	.0014	.00033	.00151	.00008	.0021	.00124
%RSD	.04498	12.986	.63188	.03665	.15012	1.2686
#1	3.1169	-.00229	-.24004	.20715	1.3714	.09900
#2	3.1189	-.00275	-.23791	.20704	1.3685	.09724
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4500.6**	**70020.**	**7179.7**
Stddev	1.7	275.	14.6
%RSD	.03697	.39276	.20281
#1	4499.5	69825.	7169.4
#2	4501.8	70214.	7190.0

Sample Name: 280-27357-a-8-c Acquired: 4/10/2012 14:51:39 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**31.329**	**.02197**	**.00825**	**.51629**	**.00304**	**-.00616**	**22.602**	**.00041**	**.02397**
Stddev	.00012	.087	.00399	.00040	.00076	.00001	.00153	.005	.00000	.00016
%RSD	391.14	.27843	18.140	4.8521	.14805	.29013	24.797	.02386	.14228	.68746
#1	.00012	31.391	.02479	.00853	.51683	.00304	-.00724	22.605	.00041	.02409
#2	-.00005	31.268	.01915	.00796	.51575	.00305	-.00508	22.598	.00041	.02385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41821**	**.16828**	**71.140**	**9.8523**	**.03285**	**7.1888**	**1.3490**	**.04187**	**1.9393**	**.03197**
Stddev	.00204	.00014	.270	.0081	.00111	.0141	.0009	.00034	.0018	.00025
%RSD	.48820	.08440	.37905	.08248	3.3749	.19573	.06995	.80237	.09178	.78789
#1	.41965	.16838	71.330	9.8466	.03363	7.1788	1.3496	.04211	1.9381	.03215
#2	.41676	.16818	70.949	9.8581	.03206	7.1987	1.3483	.04164	1.9406	.03179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6993**	**.05726**	**.52150**	**-.00658**	**-.00199**	**3.4399**	**7.3615**	**.00968**	**.21354**	**.08517**
Stddev	.0003	.00020	.00114	.00174	.00365	.0016	.0034	.00070	.00087	.00139
%RSD	.02021	.35227	.21785	26.446	183.82	.04572	.04572	7.2590	.40557	1.6264
#1	1.6996	.05740	.52230	-.00535	-.00457	3.4388	7.3591	.00918	.21415	.08419
#2	1.6991	.05711	.52069	-.00782	.00060	3.4410	7.3638	.01017	.21292	.08615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9818**	**-.00250**	F **-.21867**	**.11115**	**.24637**	**.06050**
Stddev	.0065	.00028	.00262	.00007	.00081	.00050
%RSD	.32751	11.155	1.1963	.06283	.32839	.83102
#1	1.9864	-.00230	-.22052	.11120	.24694	.06085
#2	1.9772	-.00270	-.21682	.11110	.24580	.06014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4485.1**	**70099.**	**6876.3**
Stddev	10.2	258.	58.1
%RSD	.22647	.36856	.84552
#1	4477.9	69916.	6835.2
#2	4492.3	70282.	6917.4

Sample Name: 280-27357-a-9-a Acquired: 4/10/2012 14:53:57 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**34.963**	**.02992**	**.00569**	**.28334**	**.00333**	**-.00604**	**11.373**	**.00027**	**.02093**
Stddev	.00005	.145	.00054	.00007	.00213	.00004	.00148	.012	.00016	.00029
%RSD	19.366	.41533	1.8080	1.3040	.75171	1.2149	24.437	.10314	60.873	1.4029
#1	-.00021	34.860	.02954	.00563	.28184	.00336	-.00709	11.365	.00015	.02072
#2	-.00028	35.066	.03031	.00574	.28485	.00330	-.00500	11.381	.00039	.02114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10235**	**.29474**	**99.569**	**9.0135**	**.05893**	**8.5754**	**.81872**	**.00820**	**1.8728**	**.02372**
Stddev	.00039	.00214	.191	.0250	.00081	.0623	.00371	.00028	.0116	.00027
%RSD	.37709	.72566	.19213	.27732	1.3791	.72668	.45315	3.4664	.61690	1.1509
#1	.10262	.29625	99.433	8.9958	.05951	8.6194	.82134	.00840	1.8647	.02352
#2	.10208	.29323	99.704	9.0311	.05836	8.5313	.81610	.00800	1.8810	.02391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0223**	**.04177**	**.11060**	**-.00585**	W **-.00557**	**2.6357**	**5.6403**	**.00763**	**.11228**	**.12351**
Stddev	.0002	.00178	.00409	.00143	.00036	.0428	.0917	.00073	.00097	.00250
%RSD	.00872	4.2615	3.6936	24.513	6.3890	1.6251	1.6251	9.5554	.86476	2.0207
#1	2.0222	.04051	.11349	-.00483	-.00531	2.6659	5.7051	.00815	.11160	.12527
#2	2.0224	.04303	.10771	-.00686	-.00582	2.6054	5.5755	.00712	.11297	.12174
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7334**	**-.00314**	F **-.26592**	**.16345**	**.31001**	**.04972**
Stddev	.0135	.00121	.02124	.00123	.00169	.00297
%RSD	.49204	38.478	7.9859	.75078	.54575	5.9696
#1	2.7429	-.00228	-.28094	.16431	.31121	.04762
#2	2.7239	-.00399	-.25091	.16258	.30881	.05182
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4497.6**	**70210.**	**6840.2**
Stddev	7.7	222.	37.3
%RSD	.17014	.31615	.54539
#1	4492.1	70053.	6866.6
#2	4503.0	70367.	6813.8

Sample Name: 280-27357-a-10-a Acquired: 4/10/2012 14:56:15 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**71.223**	**.02582**	**.01391**	**1.0533**	**.00465**	**-.00610**	**59.653**	**.00089**	**.03844**
Stddev	.00011	.089	.00203	.00010	.0012	.00000	.00134	.080	.00014	.00002
%RSD	14.761	.12481	7.8529	.68829	.11383	.07969	21.972	.13378	16.170	.05119
#1	.00066	71.286	.02438	.01384	1.0542	.00465	-.00705	59.709	.00099	.03843
#2	.00082	71.160	.02725	.01398	1.0525	.00464	-.00515	59.597	.00079	.03846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15332**	**.27657**	**140.06**	**24.819**	**.06951**	**23.494**	**2.1804**	**.00854**	**1.9754**	**.06993**
Stddev	.00025	.00007	.15	.030	.00005	.085	.0095	.00001	.0152	.00008
%RSD	.16490	.02670	.10535	.12087	.07008	.36020	.43430	.10461	.77105	.10806
#1	.15350	.27663	139.95	24.840	.06948	23.554	2.1871	.00853	1.9862	.06998
#2	.15314	.27652	140.16	24.798	.06955	23.434	2.1737	.00855	1.9646	.06987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.1392**	**.10458**	**6.6490**	**-.00617**	W **-.00529**	**2.7546**	**5.8948**	**.01088**	**.44759**	**.11728**
Stddev	.0144	.00043	.0257	.00342	.00447	.0347	.0743	.00034	.00078	.00107
%RSD	.34910	.40767	.38597	55.502	84.574	1.2612	1.2612	3.1189	.17409	.90934
#1	4.1494	.10488	6.6671	-.00859	-.00213	2.7791	5.9474	.01112	.44814	.11804
#2	4.1290	.10428	6.6308	-.00375	-.00845	2.7300	5.8422	.01064	.44704	.11653
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8076**	**-.00223**	F **-.21298**	**.27367**	**.53034**	**.08147**
Stddev	.0174	.00069	.01947	.00130	.00233	.00055
%RSD	.36204	31.113	9.1423	.47578	.43969	.67743
#1	4.8199	-.00174	-.19921	.27459	.53199	.08108
#2	4.7953	-.00272	-.22675	.27275	.52870	.08186
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4486.7**	**70260.**	**7158.2**
Stddev	17.8	49.	23.8
%RSD	.39703	.07036	.33227
#1	4474.1	70225.	7141.4
#2	4499.3	70295.	7175.0

Sample Name: 280-27357-a-11-a Acquired: 4/10/2012 14:58:31 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**55.391**	**.02876**	**.01076**	**.58896**	**.00507**	**-.00808**	**17.827**	**.00057**	**.03008**
Stddev	.00031	.267	.00001	.00005	.00352	.00000	.00009	.064	.00010	.00057
%RSD	162.19	.48267	.03837	.46526	.59731	.08441	1.0536	.35675	17.101	1.8869
#1	.00041	55.202	.02876	.01079	.58647	.00506	-.00802	17.782	.00050	.02968
#2	-.00003	55.581	.02875	.01072	.59145	.00507	-.00814	17.872	.00064	.03049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37539**	**.21763**	**127.70**	**14.942**	**.07237**	**13.504**	**2.8764**	**.03912**	**2.3566**	**.04860**
Stddev	.00014	.00270	.61	.092	.00084	.065	.0087	.00082	.0049	.00046
%RSD	.03610	1.2415	.47882	.61872	1.1584	.48382	.30114	2.1058	.20968	.95303
#1	.37548	.21954	127.27	14.877	.07178	13.550	2.8702	.03971	2.3531	.04892
#2	.37529	.21572	128.13	15.007	.07296	13.457	2.8825	.03854	2.3601	.04827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.7788**	**.05781**	**.21282**	**-.00573**	**-.00305**	**2.8614**	**6.1235**	**.01035**	**.27026**	**.12479**
Stddev	.0197	.00297	.00207	.00260	.00133	.0314	.0673	.00007	.00146	.00022
%RSD	.71022	5.1434	.97107	45.376	43.383	1.0985	1.0985	.66499	.54206	.17978
#1	2.7927	.05992	.21428	-.00756	-.00212	2.8392	6.0759	.01030	.26922	.12494
#2	2.7648	.05571	.21136	-.00389	-.00399	2.8837	6.1710	.01040	.27129	.12463
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6866**	**-.00150**	F **-.22516**	**.20424**	**.36848**	**.08171**
Stddev	.0157	.00025	.00606	.00072	.00161	.00107
%RSD	.42567	16.469	2.6922	.35233	.43789	1.3136
#1	3.6977	-.00167	-.22087	.20475	.36962	.08095
#2	3.6755	-.00132	-.22944	.20373	.36734	.08247
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4599.9**	**71726.**	**7030.8**
Stddev	4.3	71.	27.7
%RSD	.09363	.09893	.39438
#1	4596.8	71776.	7050.4
#2	4602.9	71676.	7011.2

Sample Name: 280-27357-a-12-a Acquired: 4/10/2012 15:00:56 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**57.374**	**.02464**	**.01124**	**.66420**	**.00426**	**-.00596**	**17.553**	**.00056**	**.02648**
Stddev	.00026	.426	.00286	.00052	.00418	.00006	.00248	.073	.00011	.00013
%RSD	415.79	.74313	11.621	4.6121	.62962	1.4399	41.638	.41377	20.090	.50042
#1	-.00024	57.072	.02262	.01087	.66124	.00430	-.00420	17.501	.00048	.02657
#2	.00012	57.675	.02667	.01160	.66716	.00422	-.00771	17.604	.00064	.02638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07400**	**.15046**	**93.520**	**13.849**	**.06640**	**14.208**	**1.6355**	**.00396**	**1.1011**	**.03648**
Stddev	.00033	.00024	.428	.061	.00132	.001	.0004	.00005	.0134	.00030
%RSD	.44860	.15634	.45762	.43868	1.9839	.00952	.02488	1.3218	1.2174	.81244
#1	.07376	.15030	93.218	13.806	.06547	14.209	1.6358	.00392	1.0916	.03627
#2	.07423	.15063	93.823	13.892	.06733	14.207	1.6352	.00399	1.1105	.03669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2448**	**.04577**	**.15132**	**-.00482**	**-.00078**	**2.3908**	**5.1163**	**.00989**	**.26879**	**.07664**
Stddev	.0065	.00061	.00469	.00012	.00254	.0043	.0092	.00040	.00168	.00098
%RSD	.29039	1.3372	3.0999	2.5703	324.48	.18061	.18061	4.0217	.62614	1.2759
#1	2.2494	.04620	.15464	-.00490	.00101	2.3877	5.1098	.00961	.26760	.07595
#2	2.2402	.04534	.14800	-.00473	-.00258	2.3938	5.1228	.01017	.26998	.07733
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9605**	**-.00222**	F **-.22210**	**.14696**	**.38895**	**.07942**
Stddev	.0036	.00144	.00014	.00046	.00135	.00002
%RSD	.12095	64.934	.06195	.31021	.34654	.02869
#1	2.9580	-.00120	-.22200	.14663	.38800	.07944
#2	2.9631	-.00325	-.22219	.14728	.38991	.07941
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4504.0**	**70377.**	**6862.8**
Stddev	1.3	179.	11.7
%RSD	.02840	.25368	.17028
#1	4504.9	70250.	6871.0
#2	4503.0	70503.	6854.5

Sample Name: 280-27357-a-13-a Acquired: 4/10/2012 15:03:14 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**57.284**	**.02998**	**.01178**	**.78397**	**.00391**	**-.00523**	**57.580**	**.00078**	**.03130**
Stddev	.00014	.240	.00231	.00057	.00274	.00002	.00074	.094	.00001	.00057
%RSD	51.772	.41982	7.6898	4.8388	.34961	.57939	14.176	.16305	1.8683	1.8175
#1	.00017	57.454	.02835	.01138	.78591	.00389	-.00471	57.647	.00077	.03089
#2	.00037	57.114	.03161	.01218	.78203	.00393	-.00576	57.514	.00079	.03170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26393**	**.21756**	**120.54**	**16.390**	**.06336**	**16.136**	**2.1873**	**.02493**	**1.3735**	**.09989**
Stddev	.00234	.00010	.50	.058	.00087	.061	.0024	.00046	.0052	.00075
%RSD	.88782	.04638	.41470	.35110	1.3659	.37920	.10819	1.8329	.37534	.75139
#1	.26228	.21763	120.90	16.431	.06275	16.179	2.1890	.02461	1.3771	.09936
#2	.26559	.21749	120.19	16.350	.06398	16.092	2.1856	.02526	1.3699	.10042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.4576**	**.09004**	**2.0142**	**-.00608**	**-.00409**	**2.6657**	**5.7047**	**.00861**	**.38683**	**.11865**
Stddev	.0326	.00069	.0056	.00082	.00116	.0246	.0527	.00064	.00100	.00041
%RSD	.94441	.77047	.27776	13.416	28.306	.92462	.92462	7.3880	.25745	.34531
#1	3.4345	.08955	2.0103	-.00666	-.00327	2.6483	5.6674	.00816	.38753	.11836
#2	3.4807	.09053	2.0182	-.00550	-.00490	2.6832	5.7420	.00905	.38612	.11894
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3499**	**-.00245**	F **-.23150**	**.20400**	**.32643**	**.06978**
Stddev	.0058	.00037	.01833	.00005	.00202	.00119
%RSD	.17289	15.013	7.9179	.02627	.61788	1.7030
#1	3.3540	-.00271	-.24446	.20396	.32786	.06894
#2	3.3458	-.00219	-.21854	.20404	.32500	.07062
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4455.2**	**69335.**	**7069.0**
Stddev	25.8	78.	10.2
%RSD	.57834	.11272	.14453
#1	4473.4	69280.	7076.2
#2	4437.0	69390.	7061.8

Sample Name: CCVH-1351956 Acquired: 4/10/2012 15:05:32 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00167**	**53.155**	**-.00230**	**.00060**	**.00036**	**.00001**	**1.0143**	**-.00841**	**.00005**	**.00020**	**.00034**	**.00299**	**53.289**
Stddev	.00012	.218	.00219	.00046	.00012	.00006	.0047	.00111	.00018	.00000	.00006	.00004	.031
%RSD	7.2684	.41092	95.194	76.595	32.800	823.41	.46115	13.141	331.90	.78289	18.594	1.3420	.05838
#1	.00158	53.309	-.00075	.00092	.00027	.00005	1.0110	-.00919	-.00007	.00020	.00038	.00296	53.311
#2	.00175	53.000	-.00384	.00027	.00044	-.00003	1.0176	-.00763	.00018	.00020	.00029	.00302	53.267
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01820**	**.00094**	**.01820**	**-.00005**	**-.00064**	**273.13**	**.00161**	**.00093**	**-.00176**	**4.9945**	**-.00517**	**-.00413**	**.01299**
Stddev	.01039	.00067	.00030	.00001	.00023	1.34	.00006	.00016	.00082	.0322	.00022	.00011	.00909
%RSD	57.106	71.475	1.6409	23.214	36.079	.49117	3.4451	17.222	46.536	.64430	4.2252	2.7545	70.025
#1	.02554	.00142	.01841	-.00004	-.00048	274.08	.00157	.00082	-.00234	4.9717	-.00533	-.00421	.00656
#2	.01085	.00047	.01799	-.00006	-.00080	272.19	.00165	.00105	-.00118	5.0172	-.00502	-.00405	.01942
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02779**	**.00162**	**.00042**	**5.0736**	**.00387**	**-.00076**	**10.125**	**.00168**	**.00116**	**.01087**
Stddev	.01946	.00019	.00006	.0257	.00005	.00054	.040	.00065	.00016	.00342
%RSD	70.025	12.011	13.566	.50713	1.2456	71.255	.39169	38.861	13.822	31.508
#1	.01403	.00148	.00046	5.0554	.00391	-.00037	10.097	.00214	.00105	.01329
#2	.04155	.00176	.00038	5.0917	.00384	-.00114	10.153	.00122	.00128	.00844
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4032.9**	**61708.**	**6181.0**
Stddev	28.2	79.	41.4
%RSD	.69840	.12836	.67016
#1	4052.8	61764.	6151.7
#2	4012.9	61652.	6210.3

Sample Name: CCV-1351954 Acquired: 4/10/2012 15:07:52 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51464**	**.49399**	**.95148**	**.50113**	**.54599**	**.50743**	**-.00435**	**5.1192**	**.51194**	**.50379**	**.50484**	**.51974**	**2.7019**
Stddev	.00223	.00365	.00490	.00376	.00089	.00050	.00146	.0076	.00377	.00288	.00446	.00080	.0249
%RSD	.43358	.73954	.51479	.75042	.16279	.09950	33.526	.14939	.73733	.57193	.88395	.15421	.92190
#1	.51307	.49141	.94802	.49847	.54536	.50779	-.00332	5.1246	.50927	.50176	.50168	.51917	2.7195
#2	.51622	.49658	.95494	.50379	.54662	.50707	-.00538	5.1138	.51461	.50583	.50799	.52030	2.6843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.179**	**1.0790**	**19.533**	**.50443**	**.50249**	**5.2255**	**.50401**	**.97762**	**.94542**	**.01075**	**.99444**	**1.0450**	**5.0627**
Stddev	.200	.0001	.057	.00056	.00305	.0183	.00468	.00871	.00909	.00334	.01331	.0008	.0074
%RSD	.36828	.00988	.29044	.11005	.60686	.34989	.92871	.89080	.96101	31.023	1.3388	.07932	.14537
#1	54.038	1.0791	19.493	.50404	.50033	5.2126	.50070	.97146	.93899	.01311	.98502	1.0444	5.0575
#2	54.320	1.0790	19.573	.50482	.50464	5.2384	.50732	.98378	.95184	.00840	1.0038	1.0455	5.0679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.834**	**1.0192**	**.53408**	**-.00306**	**.49139**	**1.0495**	**.03108**	**.50125**	**.46800**	**.53415**
Stddev	.016	.0040	.00126	.00049	.00081	.0024	.01182	.00161	.00419	.00019
%RSD	.14537	.39041	.23547	15.881	.16482	.22952	38.028	.32196	.89465	.03563
#1	10.823	1.0164	.53319	-.00272	.49082	1.0478	.03944	.50239	.46503	.53401
#2	10.845	1.0220	.53497	-.00340	.49197	1.0512	.02272	.50011	.47096	.53428
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4066.7**	**63676.**	**6098.9**
Stddev	25.8	110.	16.1
%RSD	.63528	.17307	.26370
#1	4085.0	63754.	6110.3
#2	4048.4	63598.	6087.5

Sample Name: CCB Acquired: 4/10/2012 15:10:05 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00170**	**.00012**	**.00236**	**-.00038**	**.00036**	**.00000**	**-.00277**	**-.00491**	**.00015**	**.00010**	**-.00003**
Stddev	.00009	.00017	.00173	.00027	.00037	.00000	.00293	.00063	.00024	.00016	.00004
%RSD	5.4374	137.32	73.518	69.622	102.82	1.2355	105.56	12.912	160.83	163.72	139.55
#1	.00163	.00000	.00113	-.00057	.00010	.00000	-.00070	-.00446	-.00002	.00021	-.00006
#2	.00176	.00024	.00358	-.00019	.00062	.00000	-.00485	-.00536	.00033	-.00002	.00000
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00165**	**.00067**	**.00304**	**-.00038**	**.00190**	**.00003**	**.00110**	**.00046**	**-.00033**	**-.00160**	**.00100**
Stddev	.00018	.00093	.01093	.00015	.00055	.00001	.00034	.00010	.00051	.00133	.00034
%RSD	10.784	139.13	359.85	38.085	29.249	50.271	30.535	21.413	154.46	83.060	34.164
#1	-.00152	.00001	.01076	-.00049	.00150	.00004	.00086	.00053	.00003	-.00066	.00076
#2	-.00177	.00132	-.00469	-.00028	.00229	.00002	.00134	.00039	-.00069	-.00254	.00124
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00803**	**-.00124**	W **.00623**	**-.00872**	**-.01866**	**.00108**	**.00006**	**.00002**	**.00022**	**-.00231**	**.01045**
Stddev	.00304	.00327	.00200	.00282	.00603	.00076	.00003	.00093	.00025	.00137	.01320
%RSD	37.781	262.57	32.107	32.320	32.320	70.663	45.534	5781.0	117.02	59.520	126.40
#1	.00589	-.00356	.00482	-.00673	-.01439	.00054	.00004	.00068	.00040	-.00328	.01978
#2	.01018	.00107	.00765	-.01071	-.02292	.00161	.00008	-.00064	.00004	-.00134	.00111
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00039**	**.00119**	**.00042**
Stddev	.00031	.00037	.00264
%RSD	80.807	30.929	621.39
#1	.00061	.00093	.00229
#2	.00017	.00145	-.00144
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4126.4**	**64915.**	**6065.4**
Stddev	27.7	3.	131.4
%RSD	.67182	.00475	2.1671
#1	4146.0	64917.	6158.4
#2	4106.8	64913.	5972.5

Sample Name: CCVL1351959 Acquired: 4/10/2012 15:12:31 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01119**	**.10251**	**.01815**	**.09362**	**.01138**	**.00104**	**.10750**	**.20686**	**.00525**	**.01037**	**.01048**	**.01416**	**.10975**
Stddev	.00034	.00018	.00081	.00050	.00018	.00003	.00152	.00076	.00005	.00008	.00026	.00037	.00267
%RSD	3.0759	.18008	4.4483	.53543	1.6206	2.7765	1.4177	.36761	.97206	.80808	2.4942	2.6155	2.4319
#1	.01095	.10238	.01758	.09397	.01151	.00106	.10858	.20740	.00529	.01043	.01030	.01390	.11163
#2	.01144	.10264	.01873	.09326	.01125	.00102	.10643	.20632	.00521	.01031	.01066	.01442	.10786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3799**	**.01180**	**.20138**	**.01034**	**.01983**	**1.0976**	**.04125**	**2.7168**	**.01032**	**.00445**	**.00759**	**.01544**	**.51253**
Stddev	.0062	.00015	.00069	.00009	.00005	.0127	.00032	.0143	.00003	.00215	.00092	.00128	.00349
%RSD	.18195	1.2426	.34199	.87106	.23501	1.1554	.77509	.52635	.30767	48.304	12.117	8.3011	.68178
#1	3.3843	.01170	.20089	.01028	.01979	1.1066	.04147	2.7269	.01030	.00597	.00694	.01634	.51006
#2	3.3756	.01191	.20186	.01040	.01986	1.0886	.04102	2.7067	.01034	.00293	.00824	.01453	.51500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0968**	**.10242**	**.01101**	**.01451**	**.00989**	**.01429**	F **.10775**	**.01027**	**.02036**	**.01635**
Stddev	.0075	.00145	.00010	.00341	.00021	.00045	.04666	.00011	.00041	.00163
%RSD	.68178	1.4111	.86557	23.471	2.1595	3.1556	43.305	1.0914	2.0019	9.9456
#1	1.0915	.10140	.01108	.01211	.01004	.01461	.14075	.01035	.02065	.01520
#2	1.1021	.10344	.01095	.01692	.00974	.01397	.07476	.01019	.02007	.01750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4140.9**	**65767.**	**6150.4**
Stddev	9.7	48.	24.5
%RSD	.23456	.07252	.39838
#1	4134.0	65801.	6133.1
#2	4147.8	65734.	6167.8

Sample Name: mb 280-114539/1-a Acquired: 4/10/2012 15:14:54 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00338**	**-.00355**	**-.00020**	**.00019**	**.00001**	**-.00273**	**.01499**	**.00020**	**.00011**
Stddev	.00007	.00023	.00016	.00000	.00007	.00004	.00055	.00056	.00011	.00024
%RSD	11.317	6.8332	4.5572	1.6536	35.835	441.61	20.134	3.7209	57.911	221.06
#1	.00053	.00321	-.00366	-.00020	.00024	-.00002	-.00234	.01538	.00028	-.00006
#2	.00062	.00354	-.00343	-.00020	.00014	.00004	-.00312	.01459	.00012	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00163**	**.01101**	**.04244**	**.00003**	**.00535**	**.00015**	**-.00010**	**-.00250**	**-.00010**
Stddev	.00003	.00008	.00042	.00744	.00029	.00249	.00002	.00016	.01058	.00020
%RSD	40.211	4.6836	3.8165	17.532	1008.4	46.532	13.509	168.61	423.90	202.75
#1	-.00009	-.00169	.01071	.03718	.00023	.00711	.00014	.00002	.00498	.00004
#2	-.00005	-.00158	.01130	.04771	-.00018	.00359	.00016	-.00021	-.00997	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00030**	W **.00602**	**-.00316**	**-.00107**	W **.00981**	**.02100**	**.00102**	**.00008**	**.00117**
Stddev	.00009	.00103	.00092	.00082	.00078	.00947	.02027	.00001	.00003	.00093
%RSD	38.454	341.85	15.333	25.885	73.394	96.544	96.544	1.1560	39.931	79.601
#1	-.00030	.00103	.00667	-.00374	-.00162	.00311	.00666	.00103	.00006	.00051
#2	-.00017	-.00043	.00537	-.00259	-.00051	.01651	.03533	.00101	.00010	.00183
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500			.00500				
Low Limit			-.00500			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00221**	**-.00464**	**.00024**	**.00181**	**.00120**
Stddev	.00005	.00019	.00658	.00052	.00017	.00187
%RSD	24.192	8.5158	141.74	215.58	9.3112	156.13
#1	.00017	-.00235	-.00929	.00061	.00169	.00252
#2	.00024	-.00208	.00001	-.00013	.00193	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.7**	**66550.**	**6286.2**
Stddev	21.7	206.	17.8
%RSD	.52479	.30881	.28384
#1	4149.0	66404.	6273.6
#2	4118.4	66695.	6298.8

Sample Name: lcs 280-114539/2-a Acquired: 4/10/2012 15:17:18 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05324**	**1.8246**	**.96294**	**.99451**	**2.1652**	**.05112**	**2.1224**	**50.183**	**.10298**	**.48910**
Stddev	.00011	.0027	.00980	.00084	.0231	.00026	.0014	.406	.00009	.00125
%RSD	.20280	.14646	1.0182	.08410	1.0645	.49898	.06585	.80832	.09029	.25503
#1	.05316	1.8265	.95601	.99510	2.1815	.05130	2.1214	50.470	.10304	.48998
#2	.05331	1.8227	.96988	.99392	2.1489	.05094	2.1233	49.896	.10291	.48821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20028**	**.26152**	**1.0639**	**54.102**	**1.0809**	**47.316**	**.50171**	**1.0114**	F **56.095**	**.49563**
Stddev	.00048	.00060	.0092	.500	.0125	.056	.00056	.0039	.846	.00110
%RSD	.23743	.22776	.86515	.92359	1.1569	.11857	.11251	.38402	1.5082	.22242
#1	.20062	.26194	1.0704	54.456	1.0897	47.355	.50131	1.0142	56.694	.49641
#2	.19995	.26110	1.0574	53.749	1.0720	47.276	.50211	1.0087	55.497	.49485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8214**	**.46757**	**.01510**	**.48526**	**2.0701**	**10.238**	F **21.909**	**2.0031**	**1.0726**	**1.0084**
Stddev	.0092	.00224	.00067	.00179	.0092	.062	.132	.0118	.0109	.0015
%RSD	.09336	.47840	4.4319	.36882	.44471	.60212	.60212	.58740	1.0148	.15361
#1	9.8279	.46915	.01558	.48653	2.0766	10.282	22.002	2.0114	1.0803	1.0073
#2	9.8149	.46599	.01463	.48399	2.0636	10.194	21.816	1.9948	1.0649	1.0095
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99171**	**2.0195**	**2.1784**	**.50169**	**.45478**	**.54101**
Stddev	.00135	.0007	.0064	.00014	.00298	.00272
%RSD	.13593	.03462	.29463	.02719	.65598	.50220
#1	.99267	2.0190	2.1830	.50178	.45688	.54293
#2	.99076	2.0200	2.1739	.50159	.45267	.53909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3943.2**	**62125.**	**6163.4**
Stddev	2.3	49.	62.4
%RSD	.05929	.07890	1.0119
#1	3941.5	62160.	6119.3
#2	3944.8	62090.	6207.5

Sample Name: 280-27276-e-1-b Acquired: 4/10/2012 15:19:27 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**16.054**	**.00355**	**.12418**	**.13890**	**.00083**	**-.00544**	**81.532**	**.00055**	**.00579**
Stddev	.00011	.245	.00178	.00034	.00227	.00006	.00068	.870	.00016	.00014
%RSD	10.858	1.5244	50.007	.27573	1.6364	7.0993	12.427	1.0665	29.252	2.4205
#1	.00097	15.881	.00230	.12443	.13729	.00079	-.00496	80.917	.00066	.00589
#2	.00113	16.227	.00481	.12394	.14050	.00087	-.00592	82.147	.00043	.00569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05275**	**.02033**	**15.706**	**6.7039**	**.02710**	**17.221**	**.29486**	**.00871**	W **574.04**	**.02701**
Stddev	.00033	.00372	.206	.1269	.00182	2.386	.03967	.00065	6.85	.00018
%RSD	.62107	18.273	1.3093	1.8928	6.7255	13.853	13.455	7.4258	1.1931	.68235
#1	.05298	.01770	15.560	6.6141	.02581	15.534	.26681	.00825	569.19	.02688
#2	.05252	.02296	15.851	6.7936	.02839	18.908	.32291	.00917	578.88	.02714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35380**	**.01015**	F **356.77**	**-.00192**	**.05190**	**33.478**	**71.643**	**.00109**	**1.0733**	**.00649**
Stddev	.00227	.00052	.82	.00109	.00207	.494	1.057	.00116	.0150	.00221
%RSD	.64104	5.1645	.22950	56.598	3.9982	1.4747	1.4747	106.01	1.3925	34.073
#1	.35219	.00978	357.34	-.00268	.05043	33.129	70.896	.00027	1.0627	.00493
#2	.35540	.01052	356.19	-.00115	.05336	33.827	72.390	.00191	1.0839	.00805
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54415**	**.00036**	**.05199**	**.03470**	**.04854**	**.00304**
Stddev	.07174	.00100	.01432	.00506	.00783	.00153
%RSD	13.184	279.88	27.550	14.570	16.132	50.227
#1	.49342	-.00035	.04186	.03112	.04300	.00196
#2	.59488	.00106	.06212	.03827	.05408	.00413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3868.5**	**55353.**	**6204.6**
Stddev	13.0	6342.	57.5
%RSD	.33634	11.457	.92679
#1	3859.3	59838.	6245.3
#2	3877.7	50869.	6164.0

Sample Name: 280-27276-e-1-bSD@5 Acquired: 4/10/2012 15:21:52 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**3.8748**	**.00207**	**.02618**	**.03269**	**.00019**	**-.00262**	**16.223**	**.00007**	**.00123**
Stddev	.00006	.0312	.00310	.00027	.00014	.00006	.00062	.054	.00009	.00004
%RSD	9.9393	.80458	149.52	1.0179	.43732	33.002	23.536	.33521	133.21	3.5173
#1	.00056	3.8528	.00426	.02637	.03279	.00023	-.00306	16.184	.00013	.00126
#2	.00064	3.8969	-.00012	.02599	.03259	.00015	-.00219	16.261	.00000	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01156**	**.00259**	**3.2998**	**1.6513**	**.00709**	**3.3837**	**.05621**	**.00123**	**115.09**	**.00563**
Stddev	.00017	.00007	.0115	.0070	.00018	.0073	.00011	.00017	.52	.00006
%RSD	1.5136	2.8613	.34786	.42601	2.5616	.21432	.19136	14.197	.45524	1.1438
#1	.01169	.00254	3.2916	1.6464	.00696	3.3888	.05613	.00111	114.72	.00558
#2	.01144	.00264	3.3079	1.6563	.00722	3.3785	.05628	.00135	115.46	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07072**	**.00392**	**72.041**	**-.00297**	**.01033**	**8.9014**	**19.049**	**.00006**	**.21304**	**.00227**
Stddev	.00058	.00287	.181	.00067	.00275	.0167	.036	.00047	.00070	.00046
%RSD	.82214	73.205	.25124	22.628	26.605	.18761	.18761	810.03	.33044	20.443
#1	.07030	.00595	71.913	-.00250	.01227	8.9133	19.074	-.00027	.21254	.00260
#2	.07113	.00189	72.169	-.00345	.00839	8.8896	19.024	.00039	.21353	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13215**	**.00034**	**-.00405**	**.00693**	**.01083**	**.00202**
Stddev	.00008	.00122	.00457	.00020	.00070	.00021
%RSD	.06281	357.42	112.75	2.9359	6.4298	10.143
#1	.13210	.00120	-.00729	.00679	.01132	.00188
#2	.13221	-.00052	-.00082	.00708	.01033	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4062.4**	**63158.**	**6290.8**
Stddev	12.0	46.	10.3
%RSD	.29490	.07294	.16352
#1	4070.8	63190.	6298.1
#2	4053.9	63125.	6283.5

Sample Name: 280-27276-e-1-c ms Acquired: 4/10/2012 15:24:12 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05555**	**24.497**	**.97254**	**1.0712**	**2.3124**	**.05151**	F **2.0089**	**131.75**	**.10267**	**.47870**
Stddev	.00048	.072	.00477	.0050	.0085	.00031	.0043	.56	.00013	.00139
%RSD	.85866	.29297	.49061	.47163	.36921	.61117	.21149	.42620	.12765	.28985
#1	.05589	24.447	.97592	1.0748	2.3064	.05129	2.0119	131.36	.10258	.47968
#2	.05522	24.548	.96917	1.0677	2.3185	.05173	2.0058	132.15	.10277	.47772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25098**	**.27521**	**17.833**	**63.411**	**1.1183**	**62.677**	**.77360**	**.99037**	W **632.81**	**.50481**
Stddev	.00082	.00174	.052	.252	.0067	.371	.00419	.00422	2.41	.00207
%RSD	.32848	.63131	.29430	.39696	.60274	.59129	.54104	.42654	.38090	.41104
#1	.25156	.27644	17.796	63.233	1.1136	62.939	.77656	.99336	631.11	.50628
#2	.25040	.27399	17.870	63.589	1.1231	62.415	.77064	.98739	634.52	.50334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.275**	**.44491**	F **358.07**	**.46963**	**2.1760**	W **58.025**	**124.17**	**1.9090**	**2.1532**	**1.0317**
Stddev	.044	.00216	1.45	.00394	.0091	.173	.37	.0199	.0064	.0032
%RSD	.43291	.48483	.40557	.83876	.41784	.29778	.29778	1.0407	.29581	.30522
#1	10.307	.44644	359.09	.47242	2.1824	57.903	123.91	1.9230	2.1486	1.0339
#2	10.244	.44339	357.04	.46685	2.1696	58.147	124.43	1.8949	2.1577	1.0294
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5846**	**1.7861**	**2.1191**	**.54077**	**.51072**	**.54445**
Stddev	.0063	.0120	.0069	.00273	.00580	.00010
%RSD	.39430	.67253	.32699	.50540	1.1352	.01853
#1	1.5890	1.7946	2.1240	.54270	.51482	.54452
#2	1.5802	1.7776	2.1142	.53884	.50662	.54438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3764.8**	**57583.**	**5917.4**
Stddev	12.8	87.	6.4
%RSD	.34062	.15191	.10846
#1	3755.8	57521.	5921.9
#2	3773.9	57644.	5912.9

Sample Name: 280-27276-e-1-d msd Acquired: 4/10/2012 15:26:26 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05378**	**24.604**	**.95915**	**1.0506**	**2.3025**	**.05122**	F **1.9785**	**133.33**	**.10106**	**.47402**
Stddev	.00090	.338	.01003	.0118	.0330	.00068	.0153	2.05	.00121	.00692
%RSD	1.6735	1.3743	1.0459	1.1231	1.4335	1.3237	.77164	1.5403	1.2006	1.4600
#1	.05442	24.365	.95206	1.0423	2.2792	.05074	1.9677	131.87	.10020	.46912
#2	.05315	24.843	.96624	1.0590	2.3258	.05170	1.9893	134.78	.10192	.47891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24930**	**.27293**	**18.038**	**63.300**	**1.1123**	**62.057**	**.76821**	**.97773**	W **639.29**	**.49952**
Stddev	.00338	.00153	.284	.977	.0160	.334	.00387	.01043	9.24	.00489
%RSD	1.3567	.55938	1.5719	1.5436	1.4409	.53827	.50442	1.0666	1.4459	.97815
#1	.24691	.27401	17.837	62.609	1.1009	62.293	.77095	.97035	632.76	.49606
#2	.25169	.27185	18.238	63.991	1.1236	61.821	.76547	.98510	645.83	.50297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.121**	**.43803**	F **358.27**	**.45680**	**2.1274**	W **58.485**	**125.16**	**1.8837**	**2.1589**	**1.0184**
Stddev	.111	.00646	3.85	.00580	.0071	.834	1.78	.0236	.0298	.0061
%RSD	1.0953	1.4752	1.0750	1.2701	.33381	1.4257	1.4257	1.2538	1.3784	.59695
#1	10.043	.43346	355.55	.45270	2.1224	57.895	123.90	1.8670	2.1379	1.0227
#2	10.200	.44260	361.00	.46091	2.1324	59.074	126.42	1.9004	2.1800	1.0141
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5717**	**1.7591**	**2.0839**	**.53558**	**.50472**	**.54463**
Stddev	.0085	.0183	.0243	.00231	.00109	.00798
%RSD	.53856	1.0411	1.1678	.43153	.21596	1.4653
#1	1.5777	1.7462	2.1011	.53722	.50549	.53899
#2	1.5658	1.7721	2.0666	.53395	.50395	.55028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3762.7**	**57839.**	**5881.4**
Stddev	36.2	276.	73.1
%RSD	.96252	.47789	1.2436
#1	3788.4	57644.	5933.1
#2	3737.1	58034.	5829.7

Sample Name: 280-27276-e-2-d Acquired: 4/10/2012 15:28:41 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**26.330**	**.01373**	**.19012**	**.17040**	**.00122**	**-.00718**	**80.627**	**.00063**	**.01052**
Stddev	.00009	.058	.00067	.00046	.00079	.00002	.00230	.112	.00006	.00018
%RSD	8.5891	.22071	4.9051	.24423	.46564	1.5987	32.006	.13946	10.173	1.7267
#1	.00109	26.371	.01325	.19045	.17096	.00124	-.00880	80.706	.00067	.01039
#2	.00096	26.289	.01421	.18979	.16984	.00121	-.00555	80.547	.00058	.01065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05971**	**.02739**	**26.241**	**7.7105**	**.05151**	**13.544**	**.53364**	**.01419**	**483.53**	**.03780**
Stddev	.00043	.00020	.028	.0363	.00188	.054	.00191	.00045	.97	.00025
%RSD	.71955	.73428	.10552	.47058	3.6502	.39589	.35738	3.1957	.19976	.66159
#1	.06001	.02725	26.261	7.6849	.05284	13.582	.53499	.01387	484.22	.03763
#2	.05941	.02753	26.222	7.7362	.05018	13.506	.53229	.01451	482.85	.03798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48527**	**.01530**	F **304.19**	**-.00284**	**.00401**	**44.925**	**96.139**	**.00140**	**.81922**	**.00836**
Stddev	.00422	.00043	.68	.00022	.00147	.034	.072	.00047	.00251	.00085
%RSD	.86960	2.8019	.22215	7.8123	36.617	.07468	.07468	33.677	.30613	10.212
#1	.48826	.01499	304.67	-.00268	.00297	44.901	96.088	.00107	.82099	.00776
#2	.48229	.01560	303.72	-.00299	.00505	44.948	96.190	.00173	.81744	.00897
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87727**	**.00075**	**-.00452**	**.05111**	**.07260**	**.00682**
Stddev	.00525	.00147	.00992	.00016	.00104	.00228
%RSD	.59834	195.11	219.32	.31413	1.4382	33.480
#1	.88098	-.00029	-.01154	.05100	.07334	.00844
#2	.87356	.00179	.00249	.05122	.07186	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3874.2**	**58876.**	**5918.8**
Stddev	4.7	40.	40.8
%RSD	.12258	.06764	.68980
#1	3877.6	58848.	5947.6
#2	3870.9	58904.	5889.9

Sample Name: 280-27279-d-1-a Acquired: 4/10/2012 15:31:07 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00535**	**.00007**	**.04554**	**.10078**	**-.00006**	**-.00539**	**6.7781**	**.00020**	**-.00043**
Stddev	.00001	.00005	.00219	.00047	.00090	.00002	.00094	.0497	.00005	.00006
%RSD	1.4522	.96860	2933.7	1.0300	.89024	36.380	17.365	.73275	24.164	14.624
#1	.00103	.00532	.00162	.04587	.10141	-.00008	-.00473	6.8132	.00017	-.00047
#2	.00101	.00539	-.00147	.04521	.10014	-.00004	-.00605	6.7430	.00023	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00119**	**.11555**	**2.3760**	**.01614**	**.56259**	**.01619**	**.00533**	**74.718**	**-.00036**
Stddev	.00008	.00007	.00329	.0528	.00172	.00397	.00006	.00005	.430	.00005
%RSD	44.582	6.0946	2.8480	2.2231	10.655	.70586	.36558	1.0231	.57495	14.547
#1	.00013	.00124	.11787	2.4133	.01736	.56540	.01615	.00529	75.022	-.00040
#2	.00025	.00114	.11322	2.3386	.01492	.55978	.01623	.00536	74.414	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00382**	**.00105**	**5.8656**	**-.00210**	**.00088**	**6.2301**	**13.332**	**.00190**	**.14295**	**.00022**
Stddev	.00062	.00131	.0160	.00327	.00457	.0621	.133	.00000	.00156	.00140
%RSD	16.199	125.44	.27261	155.71	516.67	.99645	.99645	.01964	1.0935	625.25
#1	.00339	.00197	5.8769	-.00441	-.00235	6.2740	13.426	.00190	.14406	.00121
#2	.00426	.00012	5.8543	.00021	.00412	6.1862	13.238	.00190	.14185	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**-.00143**	**-.00216**	**.00027**	**.10447**	**.00192**
Stddev	.00011	.00185	.00809	.00045	.00015	.00167
%RSD	21.281	129.88	373.68	166.87	.14058	87.217
#1	.00060	-.00273	-.00788	-.00005	.10458	.00074
#2	.00045	-.00012	.00355	.00058	.10437	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4001.2**	**62219.**	**5892.5**
Stddev	.3	131.	3.2
%RSD	.00835	.21082	.05471
#1	4001.5	62126.	5890.3
#2	4001.0	62312.	5894.8

Sample Name: 280-27283-b-1-e Acquired: 4/10/2012 15:33:29 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.01890**	**.00004**	**.00880**	**.02615**	**-.00001**	**-.00446**	**27.561**	**.00014**	**-.00035**
Stddev	.00005	.00006	.00189	.00020	.00008	.00003	.00004	.061	.00003	.00002
%RSD	5.0993	.33790	5183.1	2.2374	.30589	225.00	.85185	.22067	19.311	6.6668
#1	.00099	.01885	.00137	.00866	.02621	-.00003	-.00443	27.604	.00016	-.00033
#2	.00106	.01894	-.00130	.00894	.02610	.00001	-.00449	27.518	.00012	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00429**	**.00815**	**1.0310**	**.00539**	**5.4600**	**.00059**	**.00034**	**7.8290**	**-.00005**
Stddev	.00013	.00019	.00281	.0241	.00068	.0492	.00007	.00017	.0221	.00008
%RSD	42.121	4.3437	34.477	2.3391	12.597	.90081	11.096	50.717	.28234	141.91
#1	.00022	.00442	.01014	1.0139	.00491	5.4948	.00064	.00022	7.8446	-.00011
#2	.00042	.00416	.00616	1.0480	.00587	5.4252	.00054	.00046	7.8134	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00449**	**.00223**	**12.016**	**-.00136**	**-.00040**	**2.9269**	**6.2635**	**.00043**	**.18487**	**-.00099**
Stddev	.00336	.00104	.015	.00006	.00133	.0109	.0232	.00056	.00094	.00079
%RSD	74.902	46.709	.12826	4.1015	330.87	.37096	.37096	131.83	.50777	79.497
#1	.00686	.00297	12.005	-.00140	-.00134	2.9192	6.2471	.00003	.18553	-.00155
#2	.00211	.00149	12.027	-.00132	.00054	2.9346	6.2800	.00082	.18421	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00109**	**.01233**	**.00046**	**.00303**	**.00030**
Stddev	.00010	.00054	.00053	.00004	.00060	.00005
%RSD	158.22	49.595	4.3307	9.1387	19.856	16.720
#1	-.00001	-.00071	.01270	.00043	.00345	.00026
#2	.00013	-.00147	.01195	.00049	.00260	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4059.8**	**63529.**	**5886.3**
Stddev	8.2	501.	9.2
%RSD	.20203	.78932	.15562
#1	4054.0	63175.	5879.8
#2	4065.6	63884.	5892.8

Sample Name: CCVH-1351956 Acquired: 4/10/2012 15:35:52 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**54.194**	**-.00222**	**.00129**	**.00049**	**-.00001**	**1.0011**	**-.00493**	**-.00003**	**.00018**	**.00022**	**.00140**
Stddev	.00024	.204	.00206	.00005	.00018	.00008	.0003	.00055	.00004	.00000	.00012	.00025
%RSD	12.254	.37705	92.789	3.7831	37.534	1463.7	.03231	11.165	131.06	.40527	57.970	17.891
#1	.00182	54.049	-.00368	.00126	.00036	.00005	1.0013	-.00454	.00000	.00018	.00013	.00158
#2	.00216	54.338	-.00076	.00132	.00062	-.00006	1.0009	-.00532	-.00006	.00018	.00030	.00123
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.447**	**.11422**	**.00152**	**.01623**	**.00003**	**-.00082**	W **275.64**	**.00175**	**.00039**	**-.00137**	**5.0272**	**-.00520**
Stddev	.068	.04860	.00101	.00032	.00003	.00017	.93	.00001	.00093	.00086	.0196	.00046
%RSD	.12558	42.553	66.477	1.9831	107.72	20.662	.33709	.35410	241.81	62.759	.39015	8.9280
#1	54.399	.14859	.00081	.01646	.00001	-.00070	274.99	.00175	-.00027	-.00076	5.0133	-.00488
#2	54.496	.07985	.00224	.01600	.00005	-.00094	276.30	.00174	.00105	-.00198	5.0411	-.00553
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Pass	None
Value							250.00					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**.00714**	**.01528**	**.00163**	**.00043**	**5.0871**	**.00381**	**-.00284**	**9.9729**	**.00074**	**.00062**	**.00916**
Stddev	.00068	.00322	.00689	.00097	.00001	.0136	.00003	.00053	.0138	.00016	.00003	.00055
%RSD	31.495	45.060	45.060	59.603	2.9995	.26668	.70794	18.738	.13856	21.705	4.7107	5.9743
#1	.00168	.00487	.01041	.00231	.00044	5.0775	.00379	-.00322	9.9827	.00085	.00060	.00954
#2	.00264	.00942	.02015	.00094	.00042	5.0967	.00383	-.00247	9.9631	.00063	.00065	.00877
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3978.8**	**60825.**	**5814.0**
Stddev	.6	17.	5.6
%RSD	.01389	.02856	.09594
#1	3978.4	60837.	5818.0
#2	3979.2	60813.	5810.1

Sample Name: CCV-1351954 Acquired: 4/10/2012 15:38:12 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51769**	**.49724**	**.93733**	**.49794**	**.54619**	**.50935**	**-.00360**	**5.2166**	**.51142**	**.50447**	**.50816**	**.52094**	**2.7239**
Stddev	.00115	.00095	.00157	.00088	.00101	.00081	.00095	.0156	.00048	.00009	.00100	.00045	.0059
%RSD	.22155	.19101	.16768	.17668	.18430	.15916	26.415	.29830	.09353	.01783	.19692	.08582	.21766
#1	.51850	.49657	.93844	.49856	.54691	.50878	-.00293	5.2056	.51176	.50453	.50887	.52126	2.7197
#2	.51688	.49791	.93622	.49732	.54548	.50993	-.00428	5.2276	.51108	.50440	.50746	.52063	2.7280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.510**	**1.0860**	**19.817**	**.51023**	**.50413**	**5.3525**	**.50506**	**.96382**	**.94230**	**.03430**	**.99310**	**1.0330**	**5.2131**
Stddev	.095	.0013	.026	.00190	.00083	.0152	.00117	.00161	.00117	.00704	.00035	.0033	.0085
%RSD	.17357	.11928	.13146	.37231	.16480	.28402	.23213	.16659	.12372	20.519	.03475	.31538	.16339
#1	54.443	1.0870	19.835	.51158	.50471	5.3633	.50589	.96495	.94312	.03928	.99334	1.0353	5.2071
#2	54.577	1.0851	19.798	.50889	.50354	5.3418	.50424	.96268	.94147	.02932	.99285	1.0307	5.2192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.156**	**1.0306**	**.53281**	**-.00056**	**.49789**	**1.0529**	**.01395**	**.50823**	**.47758**	**.53646**
Stddev	.018	.0036	.00051	.00144	.00058	.0035	.01466	.00203	.00280	.00249
%RSD	.16339	.34588	.09521	256.85	.11739	.32908	105.10	.39934	.58723	.46402
#1	11.143	1.0331	.53245	.00046	.49830	1.0553	.00358	.50966	.47957	.53822
#2	11.169	1.0281	.53317	-.00157	.49747	1.0504	.02431	.50679	.47560	.53470
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4041.1**	**62631.**	**5909.4**
Stddev	5.7	178.	21.8
%RSD	.14224	.28465	.36949
#1	4037.0	62505.	5924.8
#2	4045.1	62757.	5894.0

Sample Name: CCB Acquired: 4/10/2012 15:40:24 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00134**	**.00354**	**.00102**	**.00056**	**.00039**	**-.00001**	**-.00188**	**-.00531**	**.00003**	**-.00017**	**.00006**
Stddev	.00002	.00483	.00244	.00048	.00009	.00000	.00176	.00057	.00014	.00006	.00010
%RSD	1.5909	136.69	239.38	85.242	24.182	62.549	93.547	10.813	458.32	34.505	177.50
#1	.00132	.00012	-.00071	.00022	.00046	.00000	-.00312	-.00572	.00013	-.00022	.00013
#2	.00136	.00696	.00274	.00090	.00032	-.00001	-.00064	-.00491	-.00007	-.00013	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00227**	**-.00023**	**.10529**	**.00083**	**.00298**	**.00002**	**.00085**	**.08325**	**.00004**	**-.00177**	**.00093**
Stddev	.00033	.00174	.03142	.00068	.00018	.00004	.00046	.00456	.00003	.00099	.00101
%RSD	14.412	751.45	29.842	82.141	6.0846	235.61	54.472	5.4803	88.319	55.992	108.23
#1	-.00204	.00100	.12751	.00035	.00311	-.00001	.00052	.08648	.00006	-.00248	.00165
#2	-.00250	-.00146	.08307	.00131	.00285	.00004	.00118	.08003	.00001	-.00107	.00022
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02954**	**-.00142**	**-.00069**	**.00068**	**.00145**	**.00098**	**.00006**	**-.00085**	**.00005**	**.00022**	**.00893**
Stddev	.00174	.00335	.00326	.01214	.02598	.00041	.00006	.00061	.00002	.00045	.00958
%RSD	5.8957	235.93	475.59	1787.3	1787.3	41.649	100.08	72.016	46.460	204.11	107.29
#1	.03077	.00095	-.00299	.00926	.01982	.00126	.00010	-.00128	.00007	-.00010	.01570
#2	.02831	-.00379	.00162	-.00791	-.01692	.00069	.00002	-.00042	.00004	.00054	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00008**	**.00148**	**-.00004**
Stddev	.00002	.00004	.00167
%RSD	19.036	2.3717	4163.6
#1	-.00009	.00151	-.00122
#2	-.00007	.00146	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.3**	**64156.**	**5818.1**
Stddev	38.7	68.	18.6
%RSD	.94817	.10572	.31983
#1	4104.6	64204.	5804.9
#2	4049.9	64108.	5831.2

Sample Name: CCVL1351959 Acquired: 4/10/2012 15:42:49 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01168**	**.10240**	**.01199**	**.09093**	**.01148**	**.00101**	**.10641**	**.21126**	**.00523**	**.01026**	**.01036**	**.01369**	**.11243**
Stddev	.00031	.00003	.00083	.00015	.00015	.00007	.00059	.00126	.00008	.00035	.00031	.00003	.00168
%RSD	2.6382	.03303	6.9124	.16706	1.3301	6.9472	.55211	.59431	1.5611	3.4199	2.9989	.22143	1.4963
#1	.01146	.10238	.01140	.09103	.01159	.00106	.10682	.21214	.00529	.01051	.01014	.01371	.11124
#2	.01190	.10243	.01257	.09082	.01138	.00096	.10599	.21037	.00517	.01001	.01058	.01367	.11362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4945**	F **.01311**	**.20667**	**.01055**	**.01937**	**1.1803**	**.04103**	**2.6681**	**.01064**	**.01865**	F **.00678**	**.01360**	**.51448**
Stddev	.0314	.00121	.00022	.00002	.00006	.0147	.00010	.0134	.00061	.00033	.00208	.00275	.01909
%RSD	.89913	9.2199	.10747	.18018	.33283	1.2485	.25200	.50294	5.7087	1.7440	30.711	20.246	3.7114
#1	3.4723	.01396	.20651	.01054	.01932	1.1699	.04110	2.6776	.01021	.01888	.00531	.01555	.50098
#2	3.5167	.01225	.20683	.01056	.01941	1.1907	.04096	2.6586	.01107	.01842	.00825	.01166	.52798
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1010**	**.10121**	**.01112**	**.01391**	**.00981**	**.01498**	F **.08887**	**.01008**	**.02010**	**.01594**
Stddev	.0409	.00096	.00003	.00002	.00010	.00138	.01653	.00031	.00032	.00031
%RSD	3.7114	.94677	.23973	.11033	.99000	9.2371	18.602	3.0281	1.5746	1.9168
#1	1.0721	.10053	.01110	.01392	.00988	.01596	.07718	.00986	.01988	.01573
#2	1.1299	.10189	.01114	.01390	.00974	.01400	.10055	.01030	.02033	.01616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4122.9**	**64312.**	**5865.1**
Stddev	11.3	255.	40.6
%RSD	.27397	.39576	.69237
#1	4115.0	64492.	5836.4
#2	4130.9	64132.	5893.8

Sample Name: mb 280-114446/1-a Acquired: 4/10/2012 15:45:12 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00286**	**.00234**	**.00027**	**.00045**	**-.00003**	**-.00255**	**.02845**	**.00015**	**.00004**
Stddev	.00006	.00023	.00076	.00009	.00008	.00001	.00077	.00131	.00006	.00014
%RSD	5.5983	8.0416	32.443	34.295	18.360	41.088	30.014	4.6064	40.135	359.86
#1	.00108	.00270	.00180	.00021	.00039	-.00002	-.00309	.02753	.00019	.00014
#2	.00116	.00302	.00288	.00034	.00051	-.00005	-.00201	.02938	.00011	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00117**	**.01551**	**.09499**	**.00065**	**.00792**	**.00018**	**-.00002**	**.25760**	**.00073**
Stddev	.00011	.00000	.00105	.00841	.00239	.00057	.00006	.00002	.00194	.00008
%RSD	137.74	.36906	6.7874	8.8525	368.49	7.2142	32.382	115.99	.75401	10.769
#1	.00016	-.00117	.01476	.08904	.00234	.00752	.00022	-.00003	.25623	.00067
#2	.00000	-.00118	.01625	.10094	-.00104	.00832	.00014	.00000	.25898	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**.00017**	**.04854**	**-.00303**	**.00312**	**.02384**	**.05101**	**.00794**	**.00014**	**.00032**
Stddev	.00038	.00009	.00010	.00011	.00190	.01000	.02140	.00024	.00003	.00017
%RSD	9.0247	51.363	.21496	3.5615	60.904	41.958	41.958	3.0103	24.936	53.453
#1	.00448	.00011	.04847	-.00296	.00446	.03091	.06615	.00810	.00016	.00020
#2	.00394	.00023	.04862	-.00311	.00178	.01677	.03588	.00777	.00011	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00086**	**-.00008**	**.00035**	**.00188**	**.00073**
Stddev	.00008	.00085	.01179	.00010	.00008	.00182
%RSD	16.991	98.533	15018.	29.729	4.0634	249.09
#1	.00050	-.00026	-.00841	.00027	.00183	.00202
#2	.00039	-.00146	.00826	.00042	.00194	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4195.4**	**66263.**	**5931.9**
Stddev	4.7	124.	34.6
%RSD	.11268	.18660	.58359
#1	4192.1	66176.	5956.4
#2	4198.8	66350.	5907.4

Sample Name: lcs 280-114446/2-a Acquired: 4/10/2012 15:47:38 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05465	1.8799	.96176	.97458	2.2101	.05174	F 2.1085	51.780	.10391	.49812
Stddev	.00053	.0130	.00642	.00045	.0008	.00003	.0037	.084	.00114	.00363
%RSD	.97850	.69367	.66784	.04653	.03377	.06261	.17774	.16244	1.0931	.72922
#1	.05503	1.8707	.95722	.97426	2.2095	.05172	2.1059	51.720	.10310	.49555
#2	.05428	1.8891	.96630	.97490	2.2106	.05176	2.1112	51.839	.10471	.50069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20457	.26708	1.1082	55.660	1.1043	49.409	.52061	1.0209	57.945	.50687
Stddev	.00159	.00065	.0034	.093	.0028	.102	.00132	.0062	.161	.00403
%RSD	.77740	.24282	.30945	.16736	.25724	.20571	.25326	.60593	.27821	.79489
#1	.20344	.26754	1.1058	55.594	1.1063	49.481	.52155	1.0165	58.059	.50402
#2	.20569	.26662	1.1106	55.726	1.1023	49.337	.51968	1.0252	57.831	.50972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.9525	.47487	.05723	.48300	2.0856	1.4465	3.0956	W 2.0595	1.0935	1.0400
Stddev	.0315	.00110	.00007	.00437	.0135	.0024	.0052	.0169	.0003	.0002
%RSD	.31607	.23259	.11711	.90432	.64585	.16832	.16832	.81839	.02783	.01827
#1	9.9302	.47409	.05719	.47991	2.0760	1.4448	3.0919	2.0476	1.0932	1.0398
#2	9.9747	.47565	.05728	.48609	2.0951	1.4483	3.0993	2.0715	1.0937	1.0401
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0235	2.0569	2.1992	.51802	.47708	.54859
Stddev	.0001	.0111	.0042	.00008	.00224	.00073
%RSD	.01395	.54034	.19047	.01499	.46906	.13232
#1	1.0236	2.0491	2.2022	.51807	.47866	.54911
#2	1.0234	2.0648	2.1962	.51796	.47550	.54808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3959.8	61099.	5890.3
Stddev	20.6	177.	15.5
%RSD	.52089	.28958	.26231
#1	3974.4	60974.	5901.3
#2	3945.2	61224.	5879.4

Sample Name: 280-27310-a-1-h Acquired: 4/10/2012 15:49:48 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**34.994**	**.01496**	**.00334**	**.46093**	**.00337**	**-.00961**	**50.239**	**.00063**	**.05219**
Stddev	.00015	.287	.00297	.00071	.00360	.00005	.00121	.235	.00008	.00023
%RSD	26.601	.81902	19.866	21.310	.78131	1.4441	12.611	.46717	12.740	.44422
#1	.00069	35.197	.01286	.00384	.46348	.00341	-.00875	50.405	.00057	.05203
#2	.00047	34.792	.01706	.00284	.45839	.00334	-.01046	50.073	.00068	.05236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03799**	**.13308**	**154.54**	**4.3018**	**.03667**	**23.375**	**1.6085**	**.00292**	**2.6231**	**.04707**
Stddev	.00010	.00144	.89	.0200	.00041	.312	.0183	.00090	.0213	.00012
%RSD	.26964	1.0827	.57598	.46594	1.1049	1.3349	1.1352	30.884	.81225	.26191
#1	.03792	.13410	155.17	4.3160	.03696	23.595	1.6214	.00228	2.6382	.04716
#2	.03807	.13206	153.91	4.2877	.03639	23.154	1.5956	.00355	2.6081	.04698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7625**	**.01618**	**.74721**	**-.00368**	**.00019**	**2.4177**	**5.1738**	**.00652**	**.19570**	**.01489**
Stddev	.0146	.00095	.00054	.00134	.00055	.0463	.0991	.00041	.00140	.00067
%RSD	.21620	5.8954	.07195	36.379	291.09	1.9148	1.9148	6.3484	.71374	4.4856
#1	6.7728	.01686	.74683	-.00273	-.00020	2.4504	5.2439	.00622	.19669	.01536
#2	6.7522	.01551	.74759	-.00462	.00058	2.3849	5.1038	.00681	.19471	.01442
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.407**	**-.00068**	**-.02977**	**.34824**	**.23612**	**.13863**
Stddev	.054	.00193	.02575	.00471	.00276	.00302
%RSD	.47648	282.73	86.504	1.3531	1.1699	2.1777
#1	11.446	-.00205	-.01156	.35157	.23807	.14076
#2	11.369	.00068	-.04798	.34491	.23416	.13649
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4373.1**	**67552.**	**6501.9**
Stddev	5.3	589.	11.2
%RSD	.12078	.87119	.17219
#1	4369.4	67136.	6493.9
#2	4376.9	67968.	6509.8

Sample Name: 280-27310-a-1-hSD@5 Acquired: 4/10/2012 15:52:13 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**7.6249**	**.00659**	**.00027**	**.10040**	**.00073**	**-.00452**	**10.880**	**.00025**	**.01168**
Stddev	.00040	.0260	.00245	.00010	.00124	.00007	.00185	.071	.00004	.00017
%RSD	34.967	.34080	37.220	35.462	1.2339	10.064	40.909	.65515	17.140	1.4263
#1	.00141	7.6065	.00833	.00020	.09953	.00068	-.00583	10.830	.00022	.01180
#2	.00085	7.6432	.00486	.00034	.10128	.00079	-.00321	10.930	.00028	.01156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00831**	**.02675**	**33.195**	**.95256**	**.00936**	**5.1347**	**.34553**	**-.00011**	**.57154**	**.01066**
Stddev	.00001	.00024	.260	.00657	.00213	.0056	.00019	.00001	.01992	.00022
%RSD	.06330	.89842	.78474	.68945	22.798	.11007	.05432	4.4924	3.4858	2.0538
#1	.00831	.02692	33.010	.94792	.01087	5.1307	.34540	-.00011	.55745	.01050
#2	.00831	.02658	33.379	.95721	.00785	5.1387	.34567	-.00012	.58562	.01081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4344**	**.00521**	**.18221**	**-.00355**	**.00177**	**.58576**	**1.2535**	**.00091**	**.04264**	**.00388**
Stddev	.0080	.00188	.00139	.00172	.00182	.00192	.0041	.00002	.00039	.00161
%RSD	.56143	36.094	.76198	48.521	103.20	.32814	.32814	2.1248	.90403	41.442
#1	1.4287	.00388	.18319	-.00477	.00306	.58712	1.2564	.00090	.04237	.00501
#2	1.4401	.00653	.18123	-.00233	.00048	.58440	1.2506	.00092	.04291	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4371**	**-.00042**	**.00703**	**.07447**	**.05289**	**.03357**
Stddev	.0052	.00011	.00253	.00027	.00006	.00448
%RSD	.21507	24.922	35.967	.36857	.10922	13.344
#1	2.4334	-.00050	.00524	.07428	.05285	.03674
#2	2.4408	-.00035	.00882	.07467	.05293	.03040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4242.6**	**65704.**	**6128.1**
Stddev	9.7	133.	29.5
%RSD	.22784	.20314	.48067
#1	4249.4	65610.	6148.9
#2	4235.7	65799.	6107.2

Sample Name: 280-27310-a-1-i du Acquired: 4/10/2012 15:54:34 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**48.117**	**.01288**	**.00140**	**.71759**	**.00475**	**-.01185**	**60.217**	**.00131**	**.06987**
Stddev	.00003	.006	.00356	.00042	.00089	.00001	.00051	.080	.00001	.00016
%RSD	5.0046	.01243	27.669	29.659	.12433	.16897	4.3201	.13207	.51452	.23168
#1	.00058	48.113	.01036	.00170	.71696	.00475	-.01221	60.161	.00130	.06975
#2	.00063	48.122	.01540	.00111	.71822	.00474	-.01149	60.274	.00131	.06998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03509**	**.15123**	**213.23**	**4.6667**	**.04672**	**39.680**	**2.6358**	**-.00002**	**3.7753**	**.05480**
Stddev	.00022	.00029	.49	.0307	.00197	.069	.0068	.00029	.0139	.00005
%RSD	.61780	.19413	.22888	.65781	4.2117	.17478	.25732	1664.2	.36771	.09004
#1	.03493	.15144	212.88	4.6450	.04811	39.729	2.6406	-.00023	3.7655	.05483
#2	.03524	.15102	213.57	4.6884	.04533	39.631	2.6310	.00019	3.7851	.05476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.351**	**.01936**	**.52782**	**-.00476**	**-.00320**	**2.1991**	**4.7061**	**.00647**	**.28632**	**.01680**
Stddev	.035	.00072	.00075	.00063	.00249	.0534	.1143	.00058	.00009	.00136
%RSD	.33825	3.7102	.14136	13.146	77.581	2.4283	2.4283	8.9371	.03056	8.0690
#1	10.376	.01987	.52729	-.00432	-.00496	2.1613	4.6252	.00606	.28638	.01775
#2	10.327	.01886	.52835	-.00520	-.00145	2.2369	4.7869	.00688	.28626	.01584
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.831**	**-.00078**	W **-.05160**	**.46112**	**.34553**	**.21833**
Stddev	.034	.00020	.01085	.00141	.00035	.00076
%RSD	.22600	25.513	21.033	.30640	.10028	.34859
#1	14.854	-.00064	-.04393	.46211	.34528	.21779
#2	14.807	-.00092	-.05927	.46012	.34577	.21887
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4522.4**	**69693.**	**6771.0**
Stddev	.4	207.	29.9
%RSD	.00906	.29770	.44201
#1	4522.1	69546.	6749.8
#2	4522.7	69840.	6792.1

Sample Name: 280-27310-a-1-j ms Acquired: 4/10/2012 15:56:58 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05060**	**54.087**	**.87213**	**.84726**	**2.3769**	**.04868**	F **1.8882**	**102.85**	**.09374**	**.50547**
Stddev	.00151	2.655	.00248	.00065	.1158	.00245	.0028	5.14	.00025	.00235
%RSD	2.9782	4.9081	.28402	.07659	4.8698	5.0277	.14654	4.9929	.26342	.46406
#1	.05166	55.964	.87038	.84772	2.4587	.05041	1.8902	106.48	.09391	.50381
#2	.04953	52.210	.87388	.84680	2.2950	.04695	1.8863	99.218	.09356	.50713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24249**	**.40733**	**221.69**	**55.540**	**.99639**	**83.224**	**3.0755**	**.88685**	**55.174**	**.50339**
Stddev	.00069	.01046	10.60	2.798	.04553	2.866	.0825	.00117	2.776	.00148
%RSD	.28369	2.5669	4.7830	5.0388	4.5694	3.4432	2.6830	.13215	5.0309	.29426
#1	.24200	.41472	229.18	57.518	1.0286	85.250	3.1339	.88602	57.137	.50234
#2	.24298	.39993	214.19	53.561	.96419	81.198	3.0172	.88767	53.212	.50444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.544**	**.43008**	**.71804**	**.33438**	**1.8319**	**5.6225**	**12.032**	**1.7218**	**1.2056**	**.97979**
Stddev	.049	.00008	.00251	.00004	.0116	.2514	.538	.0100	.0587	.02583
%RSD	.26605	.01776	.34918	.01326	.63279	4.4719	4.4719	.57840	4.8706	2.6367
#1	18.509	.43014	.71626	.33434	1.8238	5.8003	12.413	1.7147	1.2471	.99805
#2	18.579	.43003	.71981	.33441	1.8401	5.4447	11.652	1.7288	1.1640	.96152
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.996**	**1.7344**	**1.8989**	**1.0768**	**.76591**	**.64891**
Stddev	.525	.0056	.0702	.0336	.03167	.03758
%RSD	3.2850	.32014	3.6943	3.1211	4.1353	5.7918
#1	16.368	1.7304	1.9485	1.1005	.78831	.67549
#2	15.625	1.7383	1.8493	1.0530	.74352	.62234
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4339.8**	**66246.**	**6776.4**
Stddev	10.0	1865.	206.5
%RSD	.23107	2.8148	3.0475
#1	4346.9	64928.	6630.4
#2	4332.7	67565.	6922.5

Sample Name: CCVH-1351956 Acquired: 4/10/2012 15:59:19 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**53.957**	**.00313**	**.00156**	**.00065**	**.00008**	**1.0128**	**.00006**	**-.00003**	**.00019**	**.00021**	**.00181**	**54.399**
Stddev	.00017	.013	.00261	.00003	.00024	.00004	.0004	.00100	.00014	.00008	.00015	.00007	.250
%RSD	8.8933	.02381	83.387	1.9041	36.493	52.981	.03771	1757.4	553.27	39.616	68.335	3.9855	.45991
#1	.00179	53.967	.00497	.00154	.00082	.00005	1.0125	-.00065	.00008	.00014	.00032	.00176	54.222
#2	.00203	53.948	.00128	.00158	.00048	.00011	1.0130	.00077	-.00013	.00024	.00011	.00186	54.576
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05813**	**.00168**	**.02190**	**.00001**	**.00091**	F **276.40**	**.00142**	**-.00108**	**-.00122**	**5.0475**	**-.00183**	**.00069**	**.01598**
Stddev	.01757	.00240	.00019	.00003	.00083	.35	.00005	.00251	.00063	.0125	.00232	.00021	.01562
%RSD	30.225	142.92	.87269	314.20	91.087	.12688	3.8128	232.87	51.847	.24744	127.08	30.010	97.764
#1	.07055	.00338	.02204	-.00001	.00032	276.15	.00146	-.00286	-.00077	5.0386	-.00347	.00054	.02702
#2	.04570	-.00002	.02177	.00003	.00150	276.65	.00138	.00070	-.00166	5.0563	-.00019	.00083	.00493
Check ?	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None	None	None
Value						250.00							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03419**	**.00236**	**.00035**	**5.0985**	**.00752**	**.00053**	**10.087**	**.00134**	**.00112**	**.01185**
Stddev	.03343	.00080	.00001	.0338	.00014	.00071	.046	.00016	.00005	.00422
%RSD	97.764	33.854	1.8648	.66197	1.8838	135.40	.45472	11.807	4.1635	35.578
#1	.05783	.00180	.00036	5.1223	.00742	.00002	10.120	.00145	.00116	.00887
#2	.01056	.00293	.00035	5.0746	.00762	.00103	10.055	.00123	.00109	.01483
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4036.2**	**61853.**	**6050.8**
Stddev	.9	277.	11.5
%RSD	.02112	.44730	.19056
#1	4036.9	61658.	6042.7
#2	4035.6	62049.	6059.0

Sample Name: CCV-1351954 Acquired: 4/10/2012 16:01:42 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51847**	**.49400**	**.93943**	**.49747**	**.54875**	**.50802**	**-.00191**	**5.1760**	**.50949**	**.50228**	**.50566**	**.52240**	**2.7355**
Stddev	.00149	.00094	.00054	.00029	.00087	.00014	.00089	.0007	.00012	.00074	.00005	.00124	.0029
%RSD	.28709	.19004	.05769	.05805	.15906	.02793	46.622	.01327	.02358	.14692	.00976	.23643	.10773
#1	.51741	.49467	.93905	.49767	.54936	.50812	-.00128	5.1755	.50941	.50175	.50563	.52153	2.7376
#2	.51952	.49334	.93981	.49726	.54813	.50792	-.00254	5.1765	.50958	.50280	.50570	.52327	2.7334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.427**	**1.0794**	**19.813**	**.51050**	**.50132**	**5.2412**	**.50337**	**.96659**	**.94018**	**.01693**	**.98853**	**1.0412**	**5.1242**
Stddev	.050	.0005	.040	.00136	.00060	.0274	.00017	.00505	.00246	.00332	.00340	.0036	.0091
%RSD	.09270	.04714	.20070	.26565	.11884	.52352	.03308	.52207	.26185	19.607	.34367	.34820	.17668
#1	54.392	1.0798	19.785	.50954	.50174	5.2218	.50348	.96302	.94192	.01928	.98613	1.0438	5.1306
#2	54.463	1.0790	19.841	.51146	.50090	5.2606	.50325	.97016	.93844	.01458	.99093	1.0387	5.1177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.966**	**1.0205**	**.53480**	**-.00246**	**.49851**	**1.0491**	**-.00792**	**.50784**	**.47736**	**.53757**
Stddev	.019	.0010	.00144	.00068	.00183	.0020	.02455	.00337	.00394	.00106
%RSD	.17668	.09511	.26944	27.636	.36720	.19326	309.90	.66365	.82506	.19752
#1	10.979	1.0198	.53582	-.00294	.49721	1.0506	-.02528	.50545	.47457	.53832
#2	10.952	1.0211	.53379	-.00198	.49980	1.0477	.00944	.51022	.48014	.53682
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4113.9**	**63259.**	**6048.5**
Stddev	3.8	32.	13.6
%RSD	.09184	.05117	.22503
#1	4111.2	63282.	6058.2
#2	4116.5	63236.	6038.9

Sample Name: CCB Acquired: 4/10/2012 16:03:54 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00116**	**.00012**	**.00057**	**.00011**	**.00029**	**.00001**	**-.00441**	**-.00533**	**.00004**	**-.00014**	**-.00002**
Stddev	.00029	.00026	.00148	.00029	.00019	.00004	.00049	.00117	.00005	.00033	.00009
%RSD	24.774	212.11	258.26	271.63	63.091	336.79	11.046	21.885	137.02	244.44	446.34
#1	.00096	-.00006	.00162	-.00010	.00016	.00004	-.00475	-.00615	.00000	-.00037	-.00009
#2	.00137	.00031	-.00047	.00031	.00042	-.00002	-.00407	-.00450	.00007	.00010	.00005
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00178**	**-.00135**	**.08439**	**.00074**	**.00436**	**.00005**	**.00092**	**.02265**	**-.00019**	**-.00070**	**.00062**
Stddev	.00000	.00158	.00726	.00119	.00083	.00005	.00048	.00245	.00024	.00076	.00090
%RSD	.05234	117.68	8.5993	160.48	19.094	109.81	52.023	10.823	125.27	109.04	146.28
#1	-.00178	-.00023	.08952	.00159	.00377	.00001	.00058	.02439	-.00036	-.00016	.00126
#2	-.00178	-.00247	.07926	-.00010	.00495	.00009	.00126	.02092	-.00002	-.00124	-.00002
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01138**	**-.00083**	**-.00035**	**-.00761**	**-.01628**	**.00165**	**.00004**	**.00003**	**.00023**	**-.00069**	**.01182**
Stddev	.00160	.00158	.00051	.01507	.03225	.00056	.00001	.00050	.00004	.00050	.01175
%RSD	14.022	191.27	143.41	198.15	198.15	34.190	23.594	1595.2	18.108	71.290	99.345
#1	.01251	.00029	-.00071	.00305	.00653	.00125	.00003	.00038	.00020	-.00034	.00352
#2	.01025	-.00195	.00000	-.01826	-.03909	.00205	.00004	-.00032	.00026	-.00104	.02013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00010**	**.00113**	**.00154**
Stddev	.00038	.00011	.00025
%RSD	362.87	10.028	16.513
#1	.00037	.00105	.00172
#2	-.00016	.00121	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4145.3**	**65019.**	**5997.8**
Stddev	2.2	455.	49.6
%RSD	.05334	.69965	.82649
#1	4143.7	64697.	5962.7
#2	4146.8	65340.	6032.8

Sample Name: CCVL1351959 Acquired: 4/10/2012 16:06:20 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01142**	**.10396**	**.01702**	**.09267**	**.01154**	**.00095**	**.10443**	**.20942**	**.00509**	**.01023**	**.01029**	**.01398**	**.11164**
Stddev	.00001	.00037	.00069	.00083	.00012	.00002	.00082	.00224	.00014	.00015	.00006	.00036	.00101
%RSD	.08395	.35577	4.0512	.89477	1.0354	1.9098	.78169	1.0687	2.7975	1.4914	.59255	2.5493	.90767
#1	.01142	.10370	.01751	.09209	.01146	.00096	.10501	.21101	.00519	.01034	.01025	.01424	.11236
#2	.01141	.10422	.01653	.09326	.01163	.00094	.10385	.20784	.00499	.01012	.01034	.01373	.11092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4030**	**.01105**	**.20651**	**.01061**	**.01982**	**1.1002**	**.04123**	**2.6942**	**.01017**	**.01340**	F **.00592**	**.01425**	**.49612**
Stddev	.0238	.00101	.00044	.00004	.00044	.0013	.00010	.0049	.00012	.00122	.00204	.00493	.01153
%RSD	.69843	9.1541	.21455	.35995	2.2049	.12158	.23324	.18209	1.1338	9.0807	34.416	34.604	2.3237
#1	3.3862	.01176	.20682	.01058	.01951	1.1012	.04116	2.6907	.01025	.01426	.00736	.01774	.48797
#2	3.4198	.01033	.20620	.01064	.02013	1.0993	.04130	2.6976	.01008	.01254	.00448	.01076	.50427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0617**	**.10049**	**.01101**	**.01477**	**.00970**	**.01568**	F **.08411**	**.00997**	**.02090**	**.01631**
Stddev	.0247	.00022	.00010	.00114	.00025	.00077	.00874	.00018	.00022	.00154
%RSD	2.3237	.21739	.93203	7.7018	2.5875	4.9118	10.397	1.8086	1.0527	9.4646
#1	1.0443	.10033	.01093	.01397	.00988	.01514	.09029	.01010	.02105	.01740
#2	1.0791	.10064	.01108	.01558	.00952	.01623	.07793	.00984	.02074	.01522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4183.1**	**65080.**	**6030.8**
Stddev	.3	73.	3.3
%RSD	.00764	.11214	.05404
#1	4182.9	65131.	6033.1
#2	4183.3	65028.	6028.5

Sample Name: 280-27310-a-2-h Acquired: 4/10/2012 16:08:44 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**85.681**	**.02638**	**.01444**	**.84425**	**.00490**	**-.00777**	**38.397**	**.00093**	**.07439**
Stddev	.00003	.288	.00255	.00058	.00138	.00001	.00179	.058	.00008	.00066
%RSD	3.1007	.33582	9.6696	4.0136	.16318	.15074	23.037	.15018	8.5039	.88202
#1	.00086	85.885	.02819	.01485	.84522	.00490	-.00651	38.438	.00088	.07486
#2	.00090	85.478	.02458	.01403	.84328	.00491	-.00904	38.356	.00099	.07393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10461**	**.13452**	**217.39**	**17.934**	**.07289**	**32.661**	**3.0300**	**.00091**	**2.1695**	**.09294**
Stddev	.00058	.00101	.48	.009	.00231	.170	.0209	.00039	.0096	.00037
%RSD	.55045	.75224	.22022	.04972	3.1699	.52144	.68857	42.684	.44453	.39415
#1	.10501	.13381	217.72	17.928	.07126	32.540	3.0447	.00063	2.1763	.09268
#2	.10420	.13524	217.05	17.941	.07453	32.781	3.0152	.00118	2.1627	.09320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.0010**	**.03928**	**.42525**	**-.00225**	**-.00247**	**4.7032**	**10.065**	**.00732**	**.25281**	**.03301**
Stddev	.0010	.00169	.00134	.00004	.00132	.0147	.032	.00159	.00039	.00170
%RSD	.01278	4.3046	.31544	1.8505	53.298	.31316	.31316	21.695	.15346	5.1627
#1	8.0002	.03808	.42620	-.00222	-.00341	4.7136	10.087	.00620	.25309	.03180
#2	8.0017	.04047	.42431	-.00228	-.00154	4.6928	10.043	.00844	.25254	.03421
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.962**	**-.00076**	W **-.07180**	**.48793**	**.36596**	**.19373**
Stddev	.102	.00019	.00208	.00021	.00049	.00201
%RSD	.92744	24.686	2.8976	.04383	.13297	1.0394
#1	10.891	-.00089	-.07032	.48778	.36562	.19230
#2	11.034	-.00063	-.07327	.48808	.36631	.19515
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4390.7**	**67676.**	**6619.5**
Stddev	3.4	255.	38.1
%RSD	.07684	.37662	.57504
#1	4393.1	67856.	6592.6
#2	4388.3	67496.	6646.4

Sample Name: 280-27310-a-3-h Acquired: 4/10/2012 16:11:11 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**103.48**	**.02830**	**.02953**	**.90846**	**.00513**	**-.00911**	**38.376**	**.00124**	**.07142**
Stddev	.00012	.26	.00031	.00033	.00009	.00007	.00156	.109	.00001	.00004
%RSD	9.6128	.25143	1.0884	1.1049	.00997	1.3021	17.170	.28456	.50203	.05390
#1	.00121	103.66	.02808	.02976	.90839	.00517	-.00801	38.453	.00125	.07145
#2	.00139	103.30	.02852	.02930	.90852	.00508	-.01022	38.299	.00124	.07139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13730**	**.14460**	**213.20**	**24.099**	**.08317**	**43.367**	**3.3098**	**.00098**	**2.8395**	**.13827**
Stddev	.00003	.00029	.78	.043	.00076	.007	.0107	.00009	.0062	.00026
%RSD	.02331	.20245	.36447	.17786	.91260	.01618	.32462	9.3905	.21925	.18581
#1	.13728	.14481	213.75	24.129	.08370	43.362	3.3022	.00092	2.8439	.13809
#2	.13732	.14439	212.65	24.069	.08263	43.372	3.3174	.00105	2.8351	.13845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.2907**	**.04447**	**.39606**	**-.00309**	**-.00393**	**7.4143**	**15.867**	**.00754**	**.28942**	**.03657**
Stddev	.0036	.00151	.00252	.00045	.00333	.1154	.247	.00083	.00045	.00126
%RSD	.05652	3.3892	.63698	14.602	84.832	1.5562	1.5562	10.969	.15535	3.4327
#1	6.2933	.04553	.39784	-.00277	-.00628	7.3327	15.692	.00812	.28974	.03568
#2	6.2882	.04340	.39428	-.00341	-.00157	7.4959	16.041	.00695	.28910	.03746
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.840**	**-.00010**	W **-.08217**	**.41565**	**.40025**	**.19417**
Stddev	.021	.00021	.01319	.00024	.00102	.00050
%RSD	.19175	197.54	16.054	.05724	.25587	.25862
#1	10.855	.00004	-.09150	.41581	.39953	.19452
#2	10.825	-.00025	-.07284	.41548	.40097	.19381
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4310.5**	**66377.**	**6434.4**
Stddev	6.9	195.	61.0
%RSD	.16057	.29433	.94753
#1	4305.6	66239.	6391.3
#2	4315.4	66516.	6477.5

Sample Name: 280-27310-a-4-f Acquired: 4/10/2012 16:13:39 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**47.747**	**.02192**	**.00217**	**.76044**	**.00640**	**-.01968**	**68.089**	**.00056**	**.09081**
Stddev	.00030	.129	.00397	.00008	.00003	.00010	.00262	.162	.00038	.00013
%RSD	77.252	.26936	18.096	3.5558	.00390	1.5565	13.334	.23725	67.791	.14288
#1	.00018	47.656	.01912	.00212	.76046	.00633	-.02154	67.975	.00083	.09090
#2	.00061	47.838	.02473	.00223	.76042	.00647	-.01783	68.203	.00029	.09072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06689**	**.17738**	**300.04**	**7.4909**	**.03903**	**39.731**	**3.3266**	**.00156**	**5.5487**	**.08327**
Stddev	.00015	.00078	.83	.0569	.00046	.328	.0215	.00020	.0319	.00050
%RSD	.22397	.44094	.27716	.75987	1.1662	.82523	.64528	12.636	.57507	.60424
#1	.06678	.17683	299.45	7.4507	.03936	39.499	3.3418	.00170	5.5713	.08292
#2	.06699	.17793	300.62	7.5312	.03871	39.963	3.3114	.00142	5.5262	.08363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.794**	**.02613**	**3.6660**	**-.00480**	**-.00387**	**2.6827**	**5.7410**	**.00847**	**.30128**	**.01623**
Stddev	.034	.00019	.0043	.00057	.00013	.0910	.1948	.00062	.00014	.00123
%RSD	.26229	.74485	.11676	11.890	3.3654	3.3925	3.3925	7.2856	.04529	7.6045
#1	12.770	.02599	3.6630	-.00521	-.00396	2.7471	5.8787	.00803	.30119	.01536
#2	12.818	.02627	3.6691	-.00440	-.00378	2.6183	5.6033	.00890	.30138	.01710
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.294**	**-.00107**	W **-.05901**	**.70505**	**.45474**	**.29654**
Stddev	.162	.00141	.01270	.00355	.00521	.00033
%RSD	.69612	132.43	21.520	.50282	1.1448	.11231
#1	23.180	-.00007	-.06799	.70254	.45106	.29630
#2	23.409	-.00207	-.05003	.70755	.45842	.29677
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4602.2**	**70836.**	**6743.2**
Stddev	7.6	148.	35.0
%RSD	.16549	.20882	.51957
#1	4607.6	70940.	6768.0
#2	4596.8	70731.	6718.4

Sample Name: 280-27310-a-4-f@5 Acquired: 4/10/2012 16:16:12 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**10.837**	**.00654**	**-.00016**	**.17218**	**.00146**	**-.00598**	**15.545**	**.00018**	**.02193**
Stddev	.00046	.009	.00336	.00082	.00037	.00003	.00277	.015	.00005	.00060
%RSD	46.544	.08534	51.302	514.22	.21306	2.1352	46.267	.09903	29.918	2.7356
#1	.00066	10.830	.00892	-.00074	.17244	.00149	-.00794	15.535	.00014	.02235
#2	.00130	10.843	.00417	.00042	.17192	.00144	-.00402	15.556	.00021	.02150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01542**	**.03946**	**68.657**	**1.6990**	**.00917**	**9.3881**	**.78361**	**.00000**	**1.2436**	**.01916**
Stddev	.00000	.00033	.316	.0266	.00165	.0390	.00340	.00028	.0026	.00030
%RSD	.00609	.82470	.46061	1.5655	17.966	.41569	.43392	5660.9	.21183	1.5519
#1	.01542	.03923	68.881	1.6802	.00801	9.3605	.78121	-.00019	1.2418	.01937
#2	.01541	.03969	68.433	1.7178	.01034	9.4157	.78601	.00020	1.2455	.01895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9005**	**.00573**	**.83278**	**-.00288**	**-.00219**	**.72304**	**1.5473**	**.00064**	**.06835**	**.00387**
Stddev	.0266	.00238	.00724	.00020	.00059	.03876	.0829	.00010	.00020	.00068
%RSD	.91767	41.524	.86981	6.8370	26.829	5.3604	5.3604	15.528	.29498	17.559
#1	2.9194	.00404	.83790	-.00302	-.00261	.69564	1.4887	.00071	.06849	.00339
#2	2.8817	.00741	.82765	-.00274	-.00178	.75045	1.6060	.00057	.06821	.00435
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3686**	**-.00079**	**-.01671**	**.16202**	**.10937**	**.06707**
Stddev	.0204	.00063	.00619	.00102	.00038	.00259
%RSD	.38064	80.465	37.031	.63209	.34664	3.8625
#1	5.3542	-.00124	-.02109	.16130	.10964	.06890
#2	5.3831	-.00034	-.01234	.16275	.10910	.06524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4257.5**	**65389.**	**6065.3**
Stddev	31.5	322.	6.2
%RSD	.73997	.49208	.10249
#1	4235.3	65616.	6060.9
#2	4279.8	65161.	6069.7

Sample Name: 280-27310-a-5-j Acquired: 4/10/2012 16:18:32 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114446 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**54.721**	**.02008**	**.00068**	**.57758**	**.00531**	**-.01388**	**67.876**	**.00053**	**.09367**
Stddev	.00004	.086	.00011	.00069	.00102	.00000	.00102	.397	.00012	.00007
%RSD	5.3507	.15664	.54743	102.31	.17681	.03613	7.3271	.58468	23.260	.07334
#1	.00065	54.782	.02015	.00019	.57830	.00531	-.01316	68.157	.00045	.09372
#2	.00070	54.660	.02000	.00117	.57686	.00531	-.01460	67.596	.00062	.09362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05222**	**.23347**	**270.18**	**6.3666**	**.05346**	**35.738**	**2.9315**	**.00178**	**2.4987**	**.07027**
Stddev	.00003	.00165	.83	.0297	.00091	.010	.0330	.00008	.0133	.00085
%RSD	.05632	.70832	.30647	.46597	1.7059	.02802	1.1245	4.5866	.53167	1.2101
#1	.05220	.23464	270.76	6.3876	.05282	35.730	2.9081	.00172	2.5081	.06967
#2	.05224	.23230	269.59	6.3456	.05410	35.745	2.9548	.00183	2.4893	.07087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.306**	**.02266**	**.96817**	**-.00586**	W **-.00680**	**2.0720**	**4.4341**	**.00669**	**.20873**	**.01893**
Stddev	.026	.00184	.00573	.00103	.00071	.0101	.0216	.00033	.00008	.00002
%RSD	.21121	8.1174	.59235	17.588	10.383	.48593	.48593	4.9449	.03894	.09611
#1	12.288	.02136	.96411	-.00513	-.00630	2.0649	4.4188	.00646	.20867	.01894
#2	12.325	.02396	.97222	-.00659	-.00730	2.0791	4.4493	.00692	.20879	.01892
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **17.961**	**-.00070**	W **-.06834**	**.65947**	**.39695**	**.24214**
Stddev	.026	.00042	.01340	.00068	.00090	.00075
%RSD	.14246	59.647	19.605	.10285	.22566	.30822
#1	17.943	-.00040	-.07781	.65995	.39758	.24161
#2	17.979	-.00099	-.05886	.65899	.39631	.24267
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4532.3**	**69727.**	**6706.9**
Stddev	6.0	20.	61.3
%RSD	.13145	.02886	.91350
#1	4528.1	69741.	6663.5
#2	4536.5	69713.	6750.2

Sample Name: 280-27352-a-1-d@5 Acquired: 4/10/2012 16:21:01 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114445 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**12.075**	**-.00329**	W **18.070**	**.00138**	**-.00004**	**-.00325**	**1.1987**	**.00014**	**-.00089**
Stddev	.00012	.005	.00224	.025	.00008	.00000	.00217	.0133	.00009	.00043
%RSD	12.014	.04367	68.122	.13657	5.8846	7.2652	66.696	1.1111	67.147	47.643
#1	.00107	12.079	-.00170	18.053	.00132	-.00004	-.00172	1.2081	.00007	-.00059
#2	.00090	12.071	-.00487	18.088	.00144	-.00004	-.00478	1.1893	.00020	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00454**	**.02880**	**.09620**	**3.6823**	**.00648**	**.03677**	**.00063**	**.00884**	W **2691.2**	**.06462**
Stddev	.00009	.00044	.00025	.1451	.00094	.00186	.00003	.00031	7.9	.00030
%RSD	2.0243	1.5367	.25946	3.9396	14.510	5.0634	4.0183	3.5273	.29262	.45802
#1	.00461	.02848	.09602	3.5798	.00581	.03809	.00062	.00862	2696.8	.06441
#2	.00448	.02911	.09637	3.7849	.00714	.03546	.00065	.00906	2685.7	.06483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26821**	**-.00075**	F **1285.3**	**.00453**	**.00148**	**.04526**	**.09685**	**-.00036**	**.03047**	**-.00253**
Stddev	.00215	.00051	1.0	.00124	.00000	.01048	.02242	.00114	.00016	.00118
%RSD	.80294	68.422	.07425	27.339	.09152	23.152	23.152	319.26	.52090	46.592
#1	.26973	-.00111	1285.9	.00541	.00148	.03785	.08100	-.00116	.03059	-.00170
#2	.26668	-.00038	1284.6	.00366	.00148	.05267	.11271	.00045	.03036	-.00337
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00665**	**-.00136**	**.00118**	**.00371**	**.00326**	**.01317**
Stddev	.00032	.00294	.00183	.00081	.00065	.00143
%RSD	4.8101	216.88	155.51	21.934	19.997	10.841
#1	.00643	-.00344	-.00012	.00314	.00372	.01418
#2	.00688	.00072	.00248	.00429	.00280	.01216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3533.5**	**52527.**	**5701.4**
Stddev	1.6	161.	26.5
%RSD	.04502	.30662	.46399
#1	3532.4	52641.	5682.7
#2	3534.6	52413.	5720.1

Sample Name: 280-27378-a-1-bPDS Acquired: 4/10/2012 16:23:28 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114665 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05283**	**1.5750**	**.19308**	**.13623**	**.32193**	**.05100**	**-.00399**	**26.588**	**.05131**	**.04936**
Stddev	.00046	.0025	.00548	.00284	.00143	.00021	.00120	.074	.00012	.00016
%RSD	.86690	.16112	2.8374	2.0842	.44428	.41798	30.078	.27926	.23750	.32088
#1	.05250	1.5767	.18920	.13824	.32294	.05115	-.00484	26.641	.05123	.04925
#2	.05315	1.5732	.19695	.13423	.32091	.05085	-.00314	26.536	.05140	.04947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05884**	**.05907**	**12.991**	**22.156**	**.11203**	**19.898**	**.16015**	**.05096**	**216.25**	**.05468**
Stddev	.00018	.00033	.052	.176	.00046	.177	.00096	.00017	1.20	.00041
%RSD	.31169	.55457	.39868	.79378	.40901	.89122	.59783	.34229	.55631	.75737
#1	.05871	.05884	13.028	22.280	.11171	20.024	.16083	.05108	217.10	.05439
#2	.05897	.05931	12.955	22.031	.11235	19.773	.15948	.05084	215.40	.05498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9622**	**.17385**	**.10237**	**.09892**	**.20448**	**7.6861**	**16.448**	**.10371**	**.20100**	**.20494**
Stddev	.0134	.00098	.00051	.00124	.00106	.0342	.073	.00097	.00074	.00028
%RSD	.68164	.56158	.50032	1.2503	.51931	.44490	.44490	.93520	.36978	.13621
#1	1.9528	.17454	.10273	.09804	.20373	7.7103	16.500	.10439	.20153	.20514
#2	1.9717	.17316	.10201	.09979	.20523	7.6619	16.397	.10302	.20048	.20475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06558**	**.19473**	**.52509**	**.05243**	**.43680**	**.05694**
Stddev	.00022	.00151	.02240	.00052	.00610	.00031
%RSD	.34257	.77558	4.2664	.99442	1.3972	.53723
#1	.06574	.19580	.54093	.05279	.44112	.05716
#2	.06542	.19366	.50925	.05206	.43249	.05673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3912.8**	**60067.**	**5855.6**
Stddev	10.9	431.	24.6
%RSD	.27940	.71809	.42035
#1	3920.6	59762.	5838.2
#2	3905.1	60372.	5873.0

Sample Name: CCVH-1351956 Acquired: 4/10/2012 16:25:46 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**54.051**	**.00061**	**.00978**	**.00033**	**-.00002**	**1.0063**	**-.00732**	**.00003**	**.00015**	**.00039**	**.00230**	**54.452**
Stddev	.00029	.003	.00311	.00025	.00009	.00000	.0004	.00291	.00002	.00011	.00019	.00047	.081
%RSD	21.035	.00477	512.21	2.5086	28.693	11.563	.04195	39.818	56.580	69.529	49.118	20.322	.14840
#1	.00119	54.053	.00281	.00996	.00039	-.00003	1.0060	-.00526	.00002	.00023	.00026	.00263	54.395
#2	.00160	54.050	-.00159	.00961	.00026	-.00002	1.0066	-.00938	.00004	.00008	.00053	.00197	54.509
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35681**	**.00133**	**.01833**	**-.00002**	**-.00060**	F **276.47**	**.00166**	**.00077**	**-.00304**	**5.0575**	**-.00586**	**.00351**	**.01031**
Stddev	.01196	.00024	.00419	.00000	.00013	.33	.00008	.00076	.00217	.0068	.00073	.00215	.01500
%RSD	3.3522	18.060	22.841	2.8662	21.494	.11832	4.5717	99.788	71.309	.13512	12.375	61.311	145.48
#1	.34835	.00116	.02129	-.00002	-.00051	276.24	.00161	.00023	-.00151	5.0527	-.00535	.00503	-.00030
#2	.36526	.00150	.01537	-.00002	-.00070	276.70	.00172	.00131	-.00457	5.0623	-.00637	.00199	.02092
Check ?	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None	None	None
Value						250.00							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02207**	**.00158**	**.00034**	**5.0824**	**.00325**	**.00029**	**10.005**	**.00164**	**.00082**	**.01392**
Stddev	.03211	.00031	.00003	.0200	.00030	.00211	.031	.00011	.00023	.00076
%RSD	145.48	19.398	9.0839	.39449	9.3095	716.83	.30703	6.8923	27.757	5.4525
#1	-.00063	.00136	.00032	5.0682	.00347	.00178	10.027	.00172	.00098	.01446
#2	.04478	.00179	.00036	5.0966	.00304	-.00120	9.9838	.00156	.00066	.01339
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.1**	**61008.**	**5836.3**
Stddev	2.1	462.	8.0
%RSD	.05142	.75749	.13743
#1	3990.6	61335.	5842.0
#2	3993.5	60681.	5830.7

Sample Name: CCV-1351954 Acquired: 4/10/2012 16:28:05 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51282**	**.49663**	**.92865**	**.49782**	**.54307**	**.50579**	**-.00183**	**5.1867**	**.50582**	**.50118**	**.50460**	**.51717**	**2.7103**
Stddev	.00367	.00086	.00616	.00030	.00136	.00358	.00013	.0367	.00138	.00045	.00014	.00298	.0019
%RSD	.71576	.17386	.66306	.06069	.24988	.70823	6.9819	.70770	.27315	.08994	.02849	.57678	.07098
#1	.51541	.49602	.92430	.49761	.54211	.50326	-.00192	5.1607	.50484	.50086	.50470	.51928	2.7090
#2	.51022	.49724	.93300	.49804	.54403	.50832	-.00174	5.2126	.50680	.50150	.50449	.51507	2.7117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.460**	**1.0777**	**19.781**	**.50817**	**.50020**	**5.4239**	**.50158**	**.95425**	**.94063**	**.04646**	**.97420**	**1.0222**	**5.1521**
Stddev	.160	.0054	.176	.00399	.00041	.0055	.00132	.00409	.00427	.00436	.00198	.0059	.0068
%RSD	.29326	.49992	.89019	.78525	.08155	.10170	.26239	.42832	.45444	9.3781	.20307	.57936	.13187
#1	54.347	1.0739	19.905	.51099	.49991	5.4278	.50065	.95136	.93761	.04954	.97280	1.0264	5.1569
#2	54.573	1.0816	19.656	.50535	.50049	5.4200	.50251	.95714	.94366	.04338	.97560	1.0180	5.1473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.026**	**1.0179**	**.52998**	**-.00087**	**.49704**	**1.0456**	**.02172**	**.50857**	**.48243**	**.54054**
Stddev	.015	.0031	.00239	.00071	.00430	.0001	.00790	.00417	.00358	.00408
%RSD	.13187	.30669	.45087	81.716	.86419	.01331	36.353	.82023	.74264	.75479
#1	11.036	1.0201	.52829	-.00138	.50008	1.0455	.02731	.51152	.48497	.53766
#2	11.015	1.0157	.53167	-.00037	.49400	1.0457	.01614	.50562	.47990	.54343
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.9**	**62361.**	**5795.4**
Stddev	.6	301.	1.6
%RSD	.01392	.48231	.02701
#1	4050.5	62149.	5794.3
#2	4051.3	62574.	5796.6

Sample Name: CCB Acquired: 4/10/2012 16:30:17 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00056**	**.00303**	W **.00478**	**.00031**	**.00002**	**-.00239**	**-.00309**	**.00013**	**-.00013**	**-.00002**
Stddev	.00040	.00010	.00208	.00017	.00010	.00003	.00142	.00221	.00007	.00030	.00010
%RSD	47.793	17.716	68.690	3.4554	30.866	157.34	59.623	71.524	53.870	224.46	647.74
#1	.00055	.00063	.00156	.00489	.00038	.00000	-.00339	-.00466	.00008	-.00035	.00006
#2	.00112	.00049	.00451	.00466	.00024	.00004	-.00138	-.00153	.00018	.00008	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437							
Low Limit				-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00194**	**.00117**	**.18610**	**.00082**	**.00435**	**.00003**	**.00067**	W **.17241**	**-.00009**	**-.00019**	**.00029**
Stddev	.00041	.00217	.05947	.00075	.00095	.00000	.00039	.01162	.00003	.00111	.00073
%RSD	21.103	184.87	31.956	91.062	21.949	9.4633	58.159	6.7409	40.324	597.35	249.68
#1	-.00165	.00271	.22815	.00135	.00367	.00003	.00039	.18063	-.00006	.00060	-.00022
#2	-.00222	-.00036	.14405	.00029	.00502	.00003	.00095	.16419	-.00011	-.00097	.00081
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03657**	**-.00137**	**.00224**	**.00403**	**.00862**	**.00133**	**.00006**	**-.00096**	**.00026**	**-.00072**	**.02834**
Stddev	.00367	.00326	.00471	.01749	.03742	.00118	.00001	.00130	.00002	.00203	.00943
%RSD	10.030	237.91	210.48	434.09	434.09	88.316	17.367	134.44	6.9245	279.84	33.272
#1	.03398	.00093	-.00109	.01639	.03508	.00050	.00006	-.00005	.00027	.00071	.02167
#2	.03917	-.00367	.00557	-.00834	-.01784	.00216	.00005	-.00188	.00024	-.00216	.03500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00014**	**.00107**	**.00046**
Stddev	.00026	.00030	.00065
%RSD	194.91	27.798	142.67
#1	-.00005	.00086	.00092
#2	.00032	.00128	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4085.3**	**64010.**	**5808.5**
Stddev	10.1	93.	24.9
%RSD	.24645	.14463	.42842
#1	4078.1	63944.	5826.1
#2	4092.4	64075.	5790.9

Sample Name: CCVL1351959 Acquired: 4/10/2012 16:32:43 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01143**	**.10170**	**.01508**	**.09754**	**.01133**	**.00106**	**.10561**	**.20717**	**.00508**	**.01000**	**.01022**	**.01397**	**.10763**	**3.4697**
Stddev	.00001	.00010	.00226	.00010	.00005	.00004	.00130	.00462	.00017	.00009	.00012	.00025	.00073	.0196
%RSD	.09190	.09730	14.992	.10106	.40087	3.4412	1.2315	2.2290	3.3734	.94924	1.1881	1.8076	.68172	.56615
#1	.01142	.10177	.01668	.09761	.01136	.00109	.10653	.21044	.00520	.00994	.01031	.01415	.10711	3.4558
#2	.01144	.10163	.01348	.09747	.01130	.00104	.10469	.20390	.00496	.01007	.01014	.01379	.10815	3.4836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01288**	**.20451**	**.01042**	**.01948**	**1.2171**	**.04027**	**2.7221**	**.00930**	**.03679**	**.00737**	**.01781**	**.51207**	**1.0958**	**.10213**
Stddev	.00092	.00053	.00001	.00012	.0011	.00041	.0002	.00104	.00443	.00027	.00023	.00334	.0072	.00128
%RSD	7.1738	.26074	.04831	.59828	.09305	1.0112	.00646	11.225	12.050	3.6958	1.2952	.65240	.65240	1.2518
#1	.01353	.20413	.01042	.01940	1.2163	.03999	2.7223	.01004	.03366	.00757	.01798	.50971	1.0908	.10303
#2	.01222	.20488	.01043	.01957	1.2179	.04056	2.7220	.00856	.03992	.00718	.01765	.51444	1.1009	.10122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.01470**	**.00960**	**.01481**	**.06553**	**.01000**	**.02001**	**.01556**
Stddev	.00014	.00073	.00042	.00017	.00082	.00008	.00060	.00317
%RSD	1.2623	4.9956	4.4139	1.1482	1.2513	.75743	2.9853	20.344
#1	.01089	.01418	.00990	.01493	.06496	.01006	.02043	.01332
#2	.01070	.01522	.00930	.01468	.06611	.00995	.01959	.01780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4146.6**	**64417.**	**5847.8**
Stddev	13.6	230.	19.2
%RSD	.32748	.35700	.32869
#1	4137.0	64580.	5834.2
#2	4156.2	64254.	5861.4

Sample Name: 280-27357-a-1-a@5 Acquired: 4/10/2012 16:35:07 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**46.695**	**.01673**	**.01320**	**.52095**	**.00446**	**-.00208**	**11.521**	**.00019**	**.01387**
Stddev	.00026	.356	.00311	.00005	.00427	.00003	.00240	.124	.00004	.00037
%RSD	113.96	.76145	18.560	.38501	.81917	.71480	115.04	1.0800	21.633	2.6657
#1	.00004	46.946	.01454	.01316	.52396	.00444	-.00378	11.609	.00022	.01361
#2	.00041	46.443	.01893	.01323	.51793	.00448	-.00039	11.433	.00016	.01414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03539**	**.03406**	**53.011**	**7.3616**	**.04462**	**11.755**	**.38535**	**.00223**	**1.0595**	**.02145**
Stddev	.00099	.00034	.452	.0530	.00231	.049	.00155	.00004	.0074	.00035
%RSD	2.7907	1.0057	.85321	.71982	5.1658	.42037	.40140	1.8521	.69626	1.6280
#1	.03469	.03430	53.331	7.3991	.04299	11.790	.38645	.00226	1.0647	.02120
#2	.03609	.03382	52.691	7.3242	.04625	11.720	.38426	.00220	1.0543	.02170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.86764**	**.03940**	**.21546**	**-.00386**	W **-.00518**	**.65302**	**1.3975**	**.00630**	**.17785**	**.05102**
Stddev	.02160	.00107	.00656	.00249	.00100	.01212	.0259	.00014	.00157	.00057
%RSD	2.4893	2.7197	3.0436	64.457	19.278	1.8564	1.8564	2.1445	.88072	1.1104
#1	.85237	.03864	.21082	-.00562	-.00448	.66160	1.4158	.00620	.17896	.05142
#2	.88292	.04016	.22009	-.00210	-.00589	.64445	1.3791	.00639	.17674	.05062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36423**	**.00044**	F **-.12858**	**.09104**	**.15537**	**.03236**
Stddev	.00170	.00086	.00594	.00038	.00150	.00097
%RSD	.46779	196.99	4.6187	.42096	.96550	2.9879
#1	.36543	.00105	-.12438	.09131	.15643	.03304
#2	.36303	-.00017	-.13278	.09076	.15431	.03167
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4386.1**	**66608.**	**6268.5**
Stddev	60.2	229.	1.1
%RSD	1.3725	.34453	.01787
#1	4428.7	66446.	6267.7
#2	4343.5	66770.	6269.3

Sample Name: 280-27357-a-1-aSD@25 Acquired: 4/10/2012 16:37:28 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00088	10.078	.00389	.00459	.11207	.00092	-.00296	2.4826	.00021	.00320
Stddev	.00030	.243	.00199	.00027	.00244	.00006	.00052	.0617	.00007	.00005
%RSD	33.743	2.4075	51.128	5.8941	2.1812	6.8269	17.593	2.4858	31.985	1.4599
#1	.00108	10.250	.00248	.00440	.11380	.00096	-.00333	2.5262	.00016	.00316
#2	.00067	9.9066	.00530	.00478	.11034	.00087	-.00259	2.4390	.00025	.00323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00775	.00562	11.248	1.6680	.01047	2.5194	.08181	.00020	.29655	.00459
Stddev	.00010	.00026	.254	.0286	.00037	.0012	.00011	.00004	.02209	.00010
%RSD	1.2516	4.6012	2.2615	1.7123	3.5127	.04770	.13151	18.082	7.4477	2.2320
#1	.00768	.00544	11.428	1.6882	.01021	2.5203	.08189	.00022	.31217	.00466
#2	.00782	.00580	11.068	1.6478	.01073	2.5186	.08174	.00017	.28093	.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18056	.00907	.08019	-.00282	-.00025	.15950	.34134	.00124	.03834	.00951
Stddev	.00082	.00104	.00035	.00237	.00348	.02505	.05360	.00032	.00099	.00069
%RSD	.45296	11.508	.43447	84.136	1379.5	15.704	15.704	25.371	2.5917	7.2883
#1	.17998	.00833	.07995	-.00114	-.00271	.17722	.37924	.00147	.03904	.01000
#2	.18114	.00981	.08044	-.00450	.00221	.14179	.30343	.00102	.03763	.00902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07617	-.00057	.00384	.01921	.03413	.00678
Stddev	.00039	.00035	.02099	.00029	.00009	.00070
%RSD	.50652	62.645	547.18	1.5263	.25832	10.336
#1	.07589	-.00082	-.01101	.01900	.03419	.00629
#2	.07644	-.00032	.01868	.01941	.03406	.00728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4208.9	64843.	5872.0
Stddev	13.9	113.	106.3
%RSD	.32924	.17448	1.8107
#1	4218.7	64763.	5796.9
#2	4199.1	64923.	5947.2

Sample Name: 280-27357-a-1-b ms@5 Acquired: 4/10/2012 16:39:50 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01033**	**82.696**	**.18691**	**.19700**	**.85625**	**.01511**	F **.39260**	**31.593**	**.01956**	**.10673**
Stddev	.00020	1.200	.00027	.00142	.01381	.00017	.00053	.389	.00016	.00003
%RSD	1.8945	1.4513	.14573	.72054	1.6124	1.1545	.13395	1.2328	.82991	.03150
#1	.01047	83.545	.18672	.19800	.86602	.01524	.39223	31.868	.01968	.10671
#2	.01019	81.847	.18711	.19599	.84649	.01499	.39298	31.317	.01945	.10676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08392**	**.08564**	**59.667**	**20.075**	**.27447**	**22.480**	**.48447**	**.17796**	**12.383**	**.11642**
Stddev	.00002	.00002	1.073	.301	.00544	.076	.00317	.00064	.157	.00001
%RSD	.02053	.02722	1.7987	1.5008	1.9834	.33849	.65448	.36192	1.2689	.01176
#1	.08391	.08566	60.426	20.288	.27832	22.534	.48671	.17842	12.272	.11643
#2	.08393	.08562	58.908	19.862	.27062	22.426	.48223	.17751	12.494	.11641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6606**	**.13062**	**.25034**	**.03069**	**.38234**	**1.6141**	**3.4541**	**.37670**	**.41366**	**.24754**
Stddev	.0121	.00015	.00035	.00242	.00095	.0209	.0447	.00005	.00587	.00096
%RSD	.45327	.11537	.13923	7.8977	.24927	1.2944	1.2944	.01302	1.4180	.38762
#1	2.6691	.13073	.25009	.02898	.38302	1.6288	3.4857	.37674	.41781	.24686
#2	2.6520	.13052	.25059	.03241	.38167	1.5993	3.4225	.37667	.40951	.24822
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2675**	**.38514**	**.27906**	**.21672**	**.26113**	**.17923**
Stddev	.0046	.00225	.01041	.00097	.00065	.00242
%RSD	.36402	.58424	3.7304	.44712	.24998	1.3511
#1	1.2707	.38673	.28642	.21740	.26159	.18094
#2	1.2642	.38355	.27170	.21603	.26067	.17752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4297.5**	**65559.**	**6213.8**
Stddev	2.0	385.	57.0
%RSD	.04616	.58700	.91735
#1	4296.1	65287.	6173.4
#2	4298.9	65832.	6254.1

Sample Name: 280-27357-a-1-cmsd@5 Acquired: 4/10/2012 16:42:06 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114447 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01047**	**75.761**	**.18517**	**.18023**	**1.0034**	**.01463**	F **.38669**	**21.427**	**.01897**	**.10620**
Stddev	.00037	.040	.00215	.00240	.0018	.00001	.00565	.064	.00004	.00081
%RSD	3.5448	.05323	1.1599	1.3297	.17769	.06796	1.4624	.29634	.22220	.76568
#1	.01020	75.733	.18365	.17853	1.0047	.01463	.38269	21.382	.01894	.10562
#2	.01073	75.790	.18669	.18192	1.0022	.01464	.39069	21.472	.01900	.10677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08308**	**.08541**	**59.608**	**19.525**	**.26404**	**22.773**	**.54209**	**.17566**	**12.127**	**.11734**
Stddev	.00066	.00128	.169	.017	.00110	.436	.00984	.00016	.061	.00080
%RSD	.79708	1.4963	.28394	.08588	.41802	1.9145	1.8160	.09283	.50678	.68517
#1	.08261	.08451	59.489	19.537	.26326	22.464	.53513	.17554	12.084	.11678
#2	.08355	.08632	59.728	19.513	.26482	23.081	.54906	.17577	12.171	.11791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6641**	**.12746**	**.24356**	**.03482**	**.37433**	**1.2965**	**2.7744**	**.37007**	**.40340**	**.24567**
Stddev	.0198	.00053	.00623	.00174	.00136	.0138	.0296	.00425	.00045	.00282
%RSD	.74393	.41735	2.5591	4.9869	.36423	1.0681	1.0681	1.1483	.11146	1.1461
#1	2.6501	.12708	.23915	.03605	.37530	1.2867	2.7535	.36707	.40372	.24368
#2	2.6781	.12783	.24797	.03359	.37337	1.3062	2.7954	.37308	.40308	.24766
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0015**	**.38207**	**.26588**	**.19873**	**.27116**	**.15356**
Stddev	.0156	.00469	.00380	.00359	.00447	.00098
%RSD	1.5594	1.2282	1.4300	1.8073	1.6494	.64008
#1	.99050	.37875	.26319	.19619	.26799	.15287
#2	1.0126	.38539	.26856	.20126	.27432	.15426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4304.3**	**65561.**	**6274.9**
Stddev	25.1	824.	16.6
%RSD	.58369	1.2570	.26431
#1	4322.0	66144.	6286.6
#2	4286.5	64978.	6263.2

Sample Name: CCVH-1351956 Acquired: 4/10/2012 16:44:22 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**53.899**	**-.00378**	**.00335**	**.00047**	**-.00006**	**.99201**	**-.00572**	**.00005**	**.00007**	**.00031**	**.00177**	**54.236**
Stddev	.00020	.238	.00353	.00074	.00003	.00002	.01879	.00146	.00007	.00021	.00020	.00030	.412
%RSD	11.976	.44214	93.377	22.062	5.5545	38.521	1.8942	25.517	132.71	316.42	64.937	16.696	.75918
#1	.00178	53.730	-.00627	.00387	.00046	-.00004	1.0053	-.00675	.00000	-.00008	.00046	.00156	53.945
#2	.00150	54.068	-.00128	.00283	.00049	-.00007	.97872	-.00469	.00011	.00022	.00017	.00198	54.527
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15018**	**.00292**	**.01713**	**.00003**	**-.00036**	F **276.37**	**.00190**	**.00387**	**-.00223**	**4.9222**	**-.00500**	**.00398**	**.02494**
Stddev	.01932	.00092	.00179	.00008	.00027	1.79	.00016	.00292	.00002	.0896	.00265	.00338	.00589
%RSD	12.866	31.656	10.470	286.29	73.780	.64872	8.2490	75.417	.76347	1.8193	52.969	84.932	23.608
#1	.13652	.00226	.01839	-.00003	-.00055	275.11	.00179	.00180	-.00224	4.9856	-.00312	.00159	.02078
#2	.16385	.00357	.01586	.00008	-.00017	277.64	.00201	.00593	-.00222	4.8589	-.00687	.00637	.02910
Check ?	None	None	None	None	None	Chk Fail	None	None	None	Chk Pass	None	None	None
Value						250.00							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05337**	**.00228**	**.00031**	**5.0943**	**.00361**	**-.00038**	**10.021**	**.00146**	**.00072**	**.01307**
Stddev	.01260	.00111	.00002	.0153	.00017	.00120	.010	.00009	.00062	.00192
%RSD	23.608	48.627	4.8367	.29994	4.7687	317.96	.10298	6.3267	85.389	14.662
#1	.04446	.00306	.00032	5.0835	.00373	.00047	10.014	.00140	.00029	.01171
#2	.06228	.00149	.00030	5.1051	.00349	-.00123	10.029	.00153	.00116	.01442
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4041.5**	**61011.**	**5845.3**
Stddev	50.8	292.	54.7
%RSD	1.2579	.47898	.93613
#1	4005.6	61218.	5884.0
#2	4077.5	60805.	5806.6

Sample Name: CCV-1351954 Acquired: 4/10/2012 16:46:43 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51095**	**.49846**	**.94204**	**.49426**	**.54779**	**.50925**	**-.00176**	**5.2308**	**.50630**	**.50154**	**.50484**	**.51481**	**2.7346**
Stddev	.00144	.00014	.00684	.00241	.00063	.00073	.00190	.0262	.00043	.00026	.00039	.00084	.0034
%RSD	.28103	.02719	.72574	.48737	.11415	.14335	108.17	.50123	.08506	.05095	.07680	.16353	.12253
#1	.50994	.49855	.93720	.49256	.54735	.50873	-.00041	5.2123	.50660	.50136	.50457	.51421	2.7322
#2	.51197	.49836	.94687	.49597	.54823	.50976	-.00310	5.2493	.50599	.50172	.50512	.51540	2.7370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.775**	**1.0818**	**19.775**	**.50812**	**.49998**	**5.3346**	**.50203**	**.95866**	**.94173**	**.02402**	**.98185**	**1.0228**	**5.1491**
Stddev	.131	.0034	.067	.00209	.00029	.0185	.00049	.00405	.00306	.00138	.00186	.0034	.0132
%RSD	.23942	.31769	.33703	.41117	.05719	.34680	.09747	.42253	.32485	5.7397	.18898	.33193	.25694
#1	54.683	1.0793	19.728	.50665	.49978	5.3215	.50168	.95580	.93957	.02304	.98054	1.0204	5.1397
#2	54.868	1.0842	19.822	.50960	.50018	5.3477	.50238	.96153	.94389	.02499	.98316	1.0252	5.1585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.019**	**1.0190**	**.53392**	**-.00131**	**.49428**	**1.0401**	**.00814**	**.50549**	**.48195**	**.54112**
Stddev	.028	.0008	.00178	.00014	.00080	.0009	.01076	.00007	.00262	.00584
%RSD	.25694	.07978	.33278	11.038	.16095	.08332	132.19	.01337	.54289	1.0784
#1	10.999	1.0196	.53266	-.00121	.49372	1.0407	.00053	.50544	.48010	.53699
#2	11.039	1.0184	.53518	-.00141	.49485	1.0395	.01575	.50554	.48380	.54524
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4064.9**	**62662.**	**5805.8**
Stddev	19.3	37.	12.1
%RSD	.47472	.05936	.20762
#1	4078.6	62636.	5814.3
#2	4051.3	62689.	5797.2

Sample Name: CCB Acquired: 4/10/2012 16:48:55 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00117**	**.00132**	**.00016**	**.00128**	**.00023**	**-.00003**	**-.00151**	**-.00294**	**.00010**	**-.00003**	**.00002**
Stddev	.00053	.00050	.00389	.00016	.00016	.00001	.00023	.00004	.00000	.00008	.00017
%RSD	44.972	38.214	2479.2	12.473	69.388	38.119	15.114	1.3337	4.3852	269.69	1070.2
#1	.00080	.00168	-.00260	.00139	.00034	-.00002	-.00167	-.00297	.00010	-.00008	-.00011
#2	.00155	.00096	.00291	.00117	.00012	-.00004	-.00135	-.00291	.00011	.00003	.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00193**	**.00190**	**.11671**	W **.00370**	**.00342**	**.00007**	**.00087**	**.07045**	**.00009**	**-.00027**	**.00092**
Stddev	.00004	.00002	.01070	.00005	.00110	.00005	.00036	.00112	.00026	.00117	.00060
%RSD	2.0032	1.1164	9.1718	1.4464	32.125	75.362	41.484	1.5826	273.71	440.82	65.139
#1	-.00195	.00188	.12428	.00367	.00264	.00003	.00061	.07124	-.00009	.00056	.00135
#2	-.00190	.00191	.10914	.00374	.00420	.00011	.00112	.06966	.00027	-.00109	.00050
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136			.00261							
Low Limit	-.00136			-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01653**	**-.00018**	**-.00092**	**-.01133**	**-.02425**	**.00116**	**.00002**	**-.00065**	**.00005**	**-.00139**	**.00063**
Stddev	.00046	.00004	.00592	.00637	.01363	.00019	.00002	.00004	.00001	.00053	.00872
%RSD	2.7896	22.377	641.73	56.187	56.187	16.546	101.65	6.1204	27.032	38.245	1387.7
#1	.01686	-.00021	-.00511	-.00683	-.01462	.00103	.00001	-.00068	.00004	-.00101	-.00554
#2	.01621	-.00015	.00326	-.01584	-.03389	.00130	.00004	-.00063	.00006	-.00177	.00679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00023**	**.00112**	**.00070**
Stddev	.00008	.00006	.00081
%RSD	33.968	5.1055	114.96
#1	.00028	.00108	.00128
#2	.00017	.00116	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4090.9**	**63862.**	**5809.5**
Stddev	1.4	325.	48.3
%RSD	.03360	.50849	.83203
#1	4090.0	64092.	5843.6
#2	4091.9	63632.	5775.3

Sample Name: CCVL1351959 Acquired: 4/10/2012 16:51:20 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01129**	**.10347**	**.01434**	**.09552**	**.01139**	**.00096**	**.10508**	**.21601**	**.00513**	**.01035**	**.01021**	**.01397**	**.11060**	**3.4219**
Stddev	.00014	.00045	.00605	.00025	.00018	.00000	.00247	.00080	.00013	.00011	.00013	.00007	.00165	.0048
%RSD	1.2388	.43036	42.217	.26298	1.5631	.19892	2.3529	.36988	2.5037	1.0260	1.2986	.52105	1.4942	.13962
#1	.01119	.10379	.01006	.09570	.01127	.00096	.10682	.21544	.00522	.01028	.01031	.01392	.10943	3.4185
#2	.01139	.10316	.01862	.09534	.01152	.00096	.10333	.21657	.00503	.01043	.01012	.01402	.11177	3.4253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01196**	**.20951**	**.01041**	**.01965**	**1.2371**	**.04052**	**2.7258**	**.00949**	**.01910**	**.00926**	**.01492**	**.50480**	**1.0803**	**.10451**
Stddev	.00034	.00085	.00001	.00024	.0019	.00002	.0003	.00117	.00151	.00051	.00181	.01399	.0299	.00098
%RSD	2.8470	.40723	.11523	1.2457	.14931	.05558	.00968	12.376	7.8940	5.5322	12.134	2.7710	2.7710	.93539
#1	.01221	.21012	.01042	.01948	1.2358	.04050	2.7256	.00866	.01804	.00890	.01620	.49491	1.0591	.10382
#2	.01172	.20891	.01040	.01983	1.2384	.04053	2.7260	.01032	.02017	.00962	.01364	.51469	1.1014	.10520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01109**	**.01441**	**.00968**	**.01438**	**.05318**	**.00991**	**.02056**	**.01564**
Stddev	.00016	.00084	.00013	.00135	.02403	.00010	.00054	.00084
%RSD	1.4518	5.8331	1.3843	9.3949	45.194	.96904	2.6034	5.3677
#1	.01098	.01501	.00959	.01342	.03618	.00998	.02018	.01504
#2	.01121	.01382	.00978	.01533	.07017	.00985	.02094	.01623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4136.2**	**64495.**	**5826.0**
Stddev	3.1	136.	16.6
%RSD	.07522	.21157	.28466
#1	4134.0	64592.	5837.8
#2	4138.4	64399.	5814.3

Sample Name: CCVH-1351956 Acquired: 4/10/2012 20:47:59 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**52.376**	**.00127**	**.00014**	**.00059**	**-.00005**	**1.0090**	**-.00864**	**-.00006**	**.00014**	**.00040**	**.00348**	**52.483**
Stddev	.00002	.259	.00130	.00024	.00005	.00002	.0015	.00298	.00012	.00026	.00009	.00058	.308
%RSD	1.0219	.49498	102.40	166.95	8.2220	35.662	.15038	34.470	197.25	183.11	23.959	16.759	.58681
#1	.00176	52.559	.00219	.00031	.00055	-.00006	1.0079	-.01074	-.00015	.00033	.00046	.00389	52.701
#2	.00179	52.192	.00035	-.00003	.00062	-.00004	1.0101	-.00653	.00002	-.00004	.00033	.00307	52.266
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01845**	**.00200**	**.01787**	**.00002**	**-.00082**	**268.85**	**.00168**	**.00191**	**-.00330**	**4.9601**	**-.00299**	**-.00118**	**.00981**
Stddev	.05087	.00104	.00157	.00002	.00027	1.84	.00017	.00104	.00077	.0076	.00377	.00124	.00312
%RSD	275.74	51.866	8.7732	90.961	33.075	.68564	10.387	54.450	23.202	.15425	126.18	104.81	31.838
#1	-.01752	.00274	.01898	.00004	-.00063	270.16	.00180	.00265	-.00276	4.9655	-.00032	-.00031	.00760
#2	.05442	.00127	.01677	.00001	-.00101	267.55	.00155	.00118	-.00384	4.9547	-.00566	-.00206	.01201
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02099**	**.00271**	**.00040**	**4.9919**	**.00260**	**-.00017**	**9.8304**	**.00162**	**.00062**	**.01377**
Stddev	.00668	.00001	.00002	.0032	.00005	.00090	.0199	.00018	.00006	.00037
%RSD	31.838	.25523	5.9402	.06497	2.0688	536.52	.20256	10.859	9.7876	2.6982
#1	.01626	.00271	.00038	4.9896	.00256	-.00080	9.8164	.00150	.00066	.01351
#2	.02571	.00270	.00041	4.9942	.00263	.00047	9.8445	.00174	.00058	.01404
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.7**	**61666.**	**6016.8**
Stddev	4.4	96.	30.2
%RSD	.10976	.15546	.50139
#1	3989.6	61734.	5995.5
#2	3995.8	61598.	6038.2

Sample Name: CCV-1351954 Acquired: 4/10/2012 20:50:21 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50490**	**.50019**	**.94434**	**.49774**	**.52962**	**.50464**	**-.00385**	**5.1516**	**.50494**	**.50015**	**.50004**	**.51045**	**2.6350**
Stddev	.00197	.00340	.00740	.00251	.00311	.00285	.00114	.0216	.00270	.00153	.00296	.00070	.0159
%RSD	.38929	.68063	.78321	.50528	.58694	.56524	29.516	.41919	.53387	.30567	.59236	.13677	.60488
#1	.50351	.50260	.94957	.49952	.53182	.50665	-.00305	5.1668	.50685	.50123	.50214	.51094	2.6463
#2	.50629	.49779	.93911	.49596	.52742	.50262	-.00465	5.1363	.50303	.49907	.49795	.50995	2.6237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.225**	**1.0651**	**19.442**	**.49489**	**.49692**	**5.2236**	**.49876**	**.97155**	**.95675**	**.00767**	**.98167**	**1.0151**	**5.1057**
Stddev	.191	.0022	.011	.00016	.00323	.0129	.00294	.00489	.00928	.00305	.00671	.0157	.0015
%RSD	.35912	.20732	.05444	.03210	.64956	.24725	.58959	.50298	.97022	39.819	.68404	1.5439	.02896
#1	53.360	1.0667	19.449	.49477	.49921	5.2327	.50084	.97500	.96331	.00983	.98642	1.0262	5.1067
#2	53.090	1.0635	19.434	.49500	.49464	5.2144	.49669	.96809	.95018	.00551	.97693	1.0040	5.1046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.926**	**1.0127**	**.51906**	**-.00221**	**.48877**	**1.0373**	**.00668**	**.49525**	**.47326**	**.52452**
Stddev	.003	.0084	.00263	.00004	.00087	.0055	.00435	.00046	.00044	.00266
%RSD	.02896	.82825	.50678	1.9134	.17793	.53229	65.019	.09295	.09386	.50619
#1	10.928	1.0186	.52092	-.00224	.48939	1.0412	.00976	.49558	.47357	.52639
#2	10.924	1.0067	.51720	-.00218	.48816	1.0334	.00361	.49493	.47295	.52264
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4070.1**	**63739.**	**5967.4**
Stddev	19.7	38.	22.5
%RSD	.48394	.05976	.37685
#1	4056.2	63712.	5951.5
#2	4084.0	63766.	5983.3

Sample Name: CCB Acquired: 4/10/2012 20:52:33 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00055**	**.00174**	**-.00049**	**.00019**	**.00004**	**-.00067**	**-.00343**	**.00018**	**-.00018**	**.00016**
Stddev	.00001	.00044	.00020	.00099	.00020	.00004	.00205	.00051	.00005	.00009	.00003
%RSD	1.1591	80.313	11.296	203.19	106.95	89.501	308.08	14.780	29.566	49.942	21.621
#1	.00092	.00024	.00160	.00021	.00033	.00007	-.00211	-.00379	.00014	-.00025	.00019
#2	.00090	.00086	.00187	-.00119	.00005	.00001	.00078	-.00307	.00022	-.00012	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00177**	**.00166**	**.00268**	**-.00032**	**.00204**	**.00000**	**.00101**	**-.00676**	**-.00004**	**-.00146**	**.00100**
Stddev	.00019	.00099	.01336	.00097	.00149	.00004	.00037	.00201	.00028	.00204	.00016
%RSD	10.702	59.364	498.31	299.62	72.975	4195.0	36.650	29.700	645.25	140.13	16.485
#1	-.00191	.00236	.01213	.00036	.00099	-.00002	.00075	-.00817	.00015	-.00001	.00088
#2	-.00164	.00096	-.00677	-.00101	.00309	.00003	.00127	-.00534	-.00024	-.00290	.00111
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**-.00091**	**.00121**	**-.00238**	**-.00509**	**.00152**	**-.00003**	**-.00063**	**-.00002**	**-.00172**	**.01585**
Stddev	.00497	.00048	.00144	.01540	.03296	.00013	.00001	.00005	.00003	.00061	.00177
%RSD	82.788	52.505	119.55	648.01	648.01	8.7326	48.176	7.3232	136.59	35.486	11.152
#1	.00951	-.00057	.00223	.00851	.01822	.00142	-.00002	-.00067	-.00005	-.00215	.01460
#2	.00249	-.00124	.00019	-.01327	-.02839	.00161	-.00004	-.00060	.00000	-.00129	.01710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00009**	**.00061**	**.00037**
Stddev	.00026	.00005	.00061
%RSD	292.23	7.4723	163.59
#1	.00028	.00057	-.00006
#2	-.00010	.00064	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4084.8**	**64235.**	**5884.7**
Stddev	7.7	51.	17.3
%RSD	.18947	.07885	.29474
#1	4079.3	64271.	5872.4
#2	4090.3	64199.	5897.0

Sample Name: CCVL1351959 Acquired: 4/10/2012 20:55:00 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01125**	**.10301**	**.01408**	**.09434**	**.01102**	**.00107**	**.10688**	**.20637**	**.00513**	**.01041**	**.01017**	**.01368**	**.10995**
Stddev	.00015	.00043	.00136	.00035	.00002	.00005	.00248	.00098	.00011	.00021	.00012	.00014	.00228
%RSD	1.3595	.42104	9.6809	.37434	.17697	5.0428	2.3246	.47702	2.0544	2.0474	1.2188	1.0026	2.0701
#1	.01135	.10332	.01504	.09459	.01101	.00103	.10863	.20706	.00505	.01056	.01026	.01377	.11156
#2	.01114	.10271	.01312	.09409	.01104	.00110	.10512	.20567	.00520	.01026	.01008	.01358	.10834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3256**	**.01182**	**.20468**	**.01039**	**.01969**	**1.0792**	**.04058**	**2.7449**	**.00971**	**.00684**	F **.00518**	**.01815**	**.51377**
Stddev	.0776	.00186	.00380	.00003	.00029	.0198	.00019	.0180	.00072	.00232	.00330	.00324	.00228
%RSD	2.3326	15.771	1.8562	.30956	1.4620	1.8331	.45775	.65383	7.4659	33.858	63.628	17.849	.44404
#1	3.3804	.01314	.20737	.01041	.01949	1.0932	.04071	2.7575	.01022	.00848	.00751	.01586	.51538
#2	3.2707	.01050	.20200	.01036	.01989	1.0652	.04045	2.7322	.00920	.00520	.00285	.02044	.51215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0995**	**.10313**	**.01069**	**.01484**	**.00971**	**.01565**	**.06321**	**.01005**	**.02014**	**.01636**
Stddev	.0049	.00062	.00018	.00062	.00010	.00071	.00593	.00013	.00060	.00269
%RSD	.44404	.59761	1.6494	4.1534	1.0688	4.5539	9.3736	1.3239	2.9667	16.422
#1	1.1029	.10357	.01082	.01528	.00964	.01515	.06740	.01014	.02056	.01827
#2	1.0960	.10270	.01057	.01441	.00979	.01615	.05902	.00995	.01971	.01446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.6**	**65047.**	**5922.4**
Stddev	17.9	193.	77.7
%RSD	.43179	.29642	1.3126
#1	4129.9	64911.	5867.5
#2	4155.2	65184.	5977.4

Sample Name: mb 280-114766/1-a Acquired: 4/10/2012 20:57:24 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00366**	**.00089**	**-.00046**	**.00083**	**.00005**	**-.00238**	**.05343**	**.00012**	**-.00012**
Stddev	.00003	.00029	.00253	.00051	.00019	.00003	.00105	.00198	.00013	.00019
%RSD	4.6799	7.9651	285.10	109.79	22.628	62.432	44.219	3.6970	113.65	153.88
#1	.00076	.00387	.00267	-.00082	.00069	.00008	-.00313	.05203	.00002	.00001
#2	.00071	.00345	-.00090	-.00010	.00096	.00003	-.00164	.05482	.00021	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00082**	**.01066**	**.07861**	**.00173**	**.01007**	**.00020**	**-.00026**	**.23015**	**-.00002**
Stddev	.00018	.00011	.00131	.02482	.00060	.00089	.00001	.00019	.00099	.00025
%RSD	128.24	13.076	12.329	31.573	34.978	8.7987	2.8046	71.318	.42980	1093.7
#1	.00026	-.00089	.01159	.09615	.00215	.00944	.00021	-.00039	.22945	.00016
#2	.00001	-.00074	.00973	.06106	.00130	.01070	.00020	-.00013	.23085	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**.00134**	F **.02796**	**.00040**	**.00127**	F **.01702**	**.03643**	**.00945**	**.00026**	**.00038**
Stddev	.00015	.00037	.00186	.00091	.00103	.01252	.02679	.00027	.00008	.00040
%RSD	3.9659	27.553	6.6370	230.11	80.976	73.534	73.534	2.8473	33.248	106.39
#1	.00394	.00108	.02665	.00104	.00054	.02588	.05538	.00964	.00020	.00009
#2	.00373	.00160	.02927	-.00025	.00200	.00817	.01749	.00926	.00032	.00066
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00202**	**.01828**	**.00023**	**.00286**	**.00133**
Stddev	.00018	.00049	.01691	.00062	.00014	.00117
%RSD	42.249	24.444	92.472	266.42	4.9060	88.042
#1	.00054	-.00167	.03023	-.00021	.00296	.00050
#2	.00029	-.00236	.00633	.00067	.00276	.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4209.1**	**66377.**	**6054.7**
Stddev	22.9	5.	53.5
%RSD	.54379	.00691	.88398
#1	4225.2	66374.	6092.6
#2	4192.9	66380.	6016.9

Sample Name: lcs 280-114766/2-a Acquired: 4/10/2012 20:59:50 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05283**	**1.8387**	**.95211**	**.96692**	**2.1717**	**.05142**	**2.1058**	**51.437**	**.10266**	**.49079**
Stddev	.00080	.0125	.00652	.00870	.0076	.00024	.0129	.055	.00058	.00420
%RSD	1.5161	.68008	.68487	.89942	.35070	.47541	.61108	.10748	.56303	.85621
#1	.05227	1.8298	.94750	.96077	2.1663	.05125	2.0967	51.398	.10226	.48781
#2	.05340	1.8475	.95672	.97307	2.1771	.05159	2.1149	51.476	.10307	.49376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19986**	**.26207**	**1.0890**	**54.952**	**1.0920**	**47.979**	**.50498**	**1.0014**	F **57.154**	**.49667**
Stddev	.00115	.00161	.0101	.020	.0023	.072	.00074	.0053	.301	.00483
%RSD	.57398	.61314	.93048	.03593	.20926	.14974	.14556	.52446	.52676	.97154
#1	.19905	.26321	1.0818	54.966	1.0936	48.030	.50550	.99769	56.941	.49326
#2	.20068	.26094	1.0962	54.938	1.0903	47.928	.50446	1.0051	57.367	.50008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8585**	**.46973**	**.04299**	**.47640**	**2.0431**	**1.5961**	F **3.4156**	**2.0136**	**1.0750**	**1.0120**
Stddev	.0732	.00291	.00621	.00266	.0107	.0181	.0387	.0108	.0038	.0019
%RSD	.74264	.61940	14.442	.55734	.52471	1.1340	1.1340	.53494	.35057	.18260
#1	9.8067	.46768	.03860	.47453	2.0355	1.5833	3.3882	2.0060	1.0723	1.0133
#2	9.9102	.47179	.04738	.47828	2.0507	1.6089	3.4430	2.0212	1.0776	1.0107
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0017**	**2.0198**	**2.1543**	**.50600**	**.46675**	**.54438**
Stddev	.0001	.0138	.0202	.00283	.00110	.00056
%RSD	.01186	.68187	.93705	.55901	.23552	.10275
#1	1.0018	2.0100	2.1400	.50800	.46752	.54398
#2	1.0016	2.0295	2.1686	.50400	.46597	.54477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3963.9**	**62054.**	**5903.4**
Stddev	17.1	40.	20.6
%RSD	.43243	.06503	.34849
#1	3976.0	62082.	5888.8
#2	3951.8	62025.	5917.9

Sample Name: 280-27433-a-1-f Acquired: 4/10/2012 21:02:00 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00305**	**96.700**	**.04921**	**.05556**	**1.3491**	**.00657**	**-.00351**	**27.001**	**.00455**	**.04119**
Stddev	.00008	.339	.00071	.00006	.0047	.00009	.00101	.155	.00015	.00028
%RSD	2.7547	.35062	1.4352	.11128	.35130	1.4446	28.904	.57236	3.3486	.67505
#1	.00311	96.940	.04971	.05560	1.3525	.00664	-.00279	27.110	.00466	.04138
#2	.00299	96.460	.04871	.05551	1.3458	.00651	-.00423	26.892	.00445	.04099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09811**	**.69208**	**127.36**	**17.065**	**.08377**	**12.769**	**2.6405**	**.00954**	**2.4133**	**.05268**
Stddev	.00079	.00090	.97	.078	.00084	.023	.0006	.00043	.0074	.00014
%RSD	.80712	.13034	.76065	.45887	1.0031	.18009	.02415	4.4694	.30580	.26122
#1	.09867	.69271	128.04	17.121	.08317	12.786	2.6400	.00924	2.4185	.05278
#2	.09755	.69144	126.67	17.010	.08436	12.753	2.6409	.00984	2.4081	.05258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1626**	**1.3599**	**1.5652**	**.01041**	**.00240**	**5.7771**	**12.363**	**.05336**	**.61635**	**.07897**
Stddev	.0132	.0002	.0051	.00068	.00343	.0504	.108	.00190	.00269	.00130
%RSD	.60883	.01367	.32404	6.5607	142.78	.87238	.87238	3.5611	.43670	1.6465
#1	2.1719	1.3598	1.5616	.00993	-.00002	5.8128	12.439	.05202	.61825	.07805
#2	2.1533	1.3600	1.5688	.01090	.00482	5.7415	12.287	.05471	.61445	.07989
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0482**	**-.00026**	F **-.22370**	**.19153**	**.70763**	**.09889**
Stddev	.0006	.00107	.02529	.00006	.00077	.00029
%RSD	.01850	415.18	11.304	.03045	.10895	.29106
#1	3.0479	-.00101	-.20582	.19149	.70818	.09910
#2	3.0486	.00050	-.24158	.19158	.70709	.09869
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4588.2**	**71249.**	**6920.2**
Stddev	15.2	167.	9.0
%RSD	.33128	.23500	.12994
#1	4577.4	71368.	6913.9
#2	4598.9	71131.	6926.6

Sample Name: 280-27433-a-1-fSD@5 Acquired: 4/10/2012 21:04:18 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**21.894**	**.01171**	**.01304**	**.30562**	**.00146**	**-.00195**	**6.1133**	**.00092**	**.00940**
Stddev	.00047	.034	.00073	.00018	.00144	.00000	.00054	.0235	.00000	.00008
%RSD	35.693	.15608	6.2353	1.3911	.47085	.28933	27.473	.38379	.36031	.89271
#1	.00099	21.870	.01120	.01291	.30460	.00146	-.00233	6.0967	.00092	.00934
#2	.00167	21.919	.01223	.01317	.30663	.00146	-.00157	6.1299	.00092	.00946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02221**	**.15362**	**28.367**	**3.8638**	**.01823**	**2.9852**	**.60553**	**.00185**	**.51667**	**.01190**
Stddev	.00006	.00010	.117	.0136	.00128	.0018	.00010	.00004	.00000	.00001
%RSD	.27562	.06527	.41200	.35092	7.0459	.06023	.01729	2.0598	.00043	.09291
#1	.02217	.15370	28.284	3.8734	.01733	2.9839	.60546	.00188	.51668	.01189
#2	.02226	.15355	28.449	3.8543	.01914	2.9865	.60561	.00183	.51667	.01191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47883**	**.31526**	**.36240**	**.00029**	**-.00081**	**1.2073**	**2.5836**	**.01324**	**.13941**	**.01818**
Stddev	.00231	.00079	.00176	.00014	.00016	.0230	.0493	.00048	.00047	.00034
%RSD	.48328	.24922	.48524	47.398	19.859	1.9084	1.9084	3.6283	.33527	1.8442
#1	.47719	.31582	.36364	.00038	-.00069	1.1910	2.5487	.01290	.13907	.01794
#2	.48046	.31471	.36116	.00019	-.00092	1.2236	2.6184	.01358	.13974	.01841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68490**	**-.00152**	**-.04336**	**.04341**	**.16218**	**.02334**
Stddev	.00062	.00235	.01175	.00012	.00067	.00163
%RSD	.08984	154.51	27.107	.28222	.41431	6.9750
#1	.68534	-.00319	-.03505	.04333	.16170	.02219
#2	.68447	.00014	-.05167	.04350	.16265	.02449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4289.8**	**66622.**	**6329.2**
Stddev	6.2	253.	22.4
%RSD	.14517	.38050	.35343
#1	4294.2	66442.	6313.4
#2	4285.4	66801.	6345.0

Sample Name: 280-27433-a-1-g ms Acquired: 4/10/2012 21:06:38 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05001**	**151.33**	**.85495**	**.88705**	**3.3847**	**.05146**	F **1.8089**	**72.062**	**.09491**	**.45915**
Stddev	.00000	.63	.00620	.00050	.0088	.00001	.0026	.382	.00017	.00060
%RSD	.00065	.41434	.72545	.05675	.26114	.02629	.14364	.52986	.17592	.13145
#1	.05001	151.77	.85934	.88740	3.3910	.05145	1.8070	72.332	.09479	.45958
#2	.05001	150.88	.85057	.88669	3.3785	.05147	1.8107	71.792	.09503	.45873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30573**	**.53996**	**133.82**	**70.542**	**1.0600**	**56.638**	**3.2234**	**.84370**	**52.046**	**.47935**
Stddev	.00074	.00151	.55	.140	.0029	.036	.0457	.00248	.196	.00110
%RSD	.24359	.27896	.40901	.19892	.26982	.06284	1.4186	.29389	.37668	.22963
#1	.30625	.53890	134.20	70.641	1.0580	56.664	3.1910	.84546	52.185	.48013
#2	.30520	.54103	133.43	70.443	1.0621	56.613	3.2557	.84195	51.907	.47857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.574**	**1.5804**	**2.0357**	**.20012**	**1.7668**	**11.080**	**23.712**	**1.6881**	**1.5804**	**.95274**
Stddev	.026	.0024	.0053	.00004	.0132	.221	.473	.0104	.0056	.00129
%RSD	.24430	.14886	.25768	.02017	.74896	1.9944	1.9944	.61852	.35241	.13556
#1	10.593	1.5787	2.0394	.20015	1.7761	11.237	24.047	1.6954	1.5843	.95366
#2	10.556	1.5820	2.0320	.20010	1.7574	10.924	23.378	1.6807	1.5765	.95183
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2445**	**1.6375**	**1.6105**	**.67896**	**1.1760**	**.57959**
Stddev	.0028	.0107	.0208	.00257	.0020	.01116
%RSD	.05421	.65600	1.2907	.37863	.17133	1.9262
#1	5.2465	1.6451	1.5958	.68078	1.1774	.58749
#2	5.2425	1.6299	1.6252	.67715	1.1746	.57170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4476.8**	**69136.**	**7011.0**
Stddev	7.4	162.	54.0
%RSD	.16599	.23452	.77083
#1	4482.1	69250.	6972.8
#2	4471.6	69021.	7049.2

Sample Name: 280-27433-a-1-h msd Acquired: 4/10/2012 21:08:53 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05019**	**180.98**	**.85842**	**.93519**	**4.3352**	**.05287**	F **1.7882**	**92.150**	**.09468**	**.45679**
Stddev	.00055	.46	.00103	.00126	.0147	.00012	.0026	.207	.00001	.00029
%RSD	1.1053	.25297	.12030	.13458	.34031	.22743	.14724	.22478	.01081	.06429
#1	.05058	181.31	.85915	.93608	4.3456	.05296	1.7900	92.297	.09467	.45659
#2	.04979	180.66	.85769	.93430	4.3247	.05279	1.7863	92.004	.09469	.45700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31889**	**.60245**	**151.09**	**71.679**	**1.0592**	**58.615**	**4.0645**	**.83530**	**52.614**	**.47656**
Stddev	.00219	.00232	.05	.310	.0076	.014	.0327	.00089	.048	.00042
%RSD	.68664	.38465	.03304	.43283	.71983	.02352	.80515	.10662	.09145	.08918
#1	.32044	.60409	151.13	71.898	1.0646	58.605	4.0414	.83593	52.648	.47626
#2	.31734	.60081	151.06	71.460	1.0538	58.625	4.0877	.83467	52.580	.47686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.671**	**1.8246**	**2.0105**	**.18487**	**1.7518**	**10.331**	**22.108**	**1.6687**	**1.9158**	**.98186**
Stddev	.001	.0046	.0071	.00194	.0034	.147	.315	.0047	.0066	.00413
%RSD	.00908	.25509	.35192	1.0485	.19470	1.4236	1.4236	.28259	.34418	.42042
#1	10.671	1.8279	2.0155	.18350	1.7493	10.227	21.886	1.6653	1.9205	.97894
#2	10.672	1.8213	2.0055	.18624	1.7542	10.435	22.331	1.6720	1.9112	.98478
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6787**	**1.6025**	**1.5618**	**.71104**	**1.3050**	**.58464**
Stddev	.0059	.0008	.0383	.00095	.0001	.00101
%RSD	.10409	.04684	2.4545	.13377	.00383	.17288
#1	5.6828	1.6020	1.5889	.71036	1.3050	.58392
#2	5.6745	1.6030	1.5347	.71171	1.3050	.58535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4539.3**	**69760.**	**7215.9**
Stddev	.0	102.	45.8
%RSD	.00019	.14641	.63536
#1	4539.3	69832.	7183.4
#2	4539.4	69687.	7248.3

Sample Name: 280-27433-a-2-d Acquired: 4/10/2012 21:11:08 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02280**	**58.656**	**.17788**	**.15290**	**2.9214**	**.00810**	**.00379**	**71.927**	**.07276**	**.04171**
Stddev	.00033	.417	.00196	.00100	.0115	.00010	.00060	.552	.00054	.00017
%RSD	1.4557	.71144	1.1026	.65093	.39218	1.2279	15.813	.76791	.73990	.39961
#1	.02257	58.361	.17926	.15360	2.9133	.00817	.00421	71.537	.07314	.04183
#2	.02304	58.951	.17649	.15219	2.9295	.00803	.00336	72.318	.07238	.04159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08132**	**1.6401**	**165.83**	**8.4535**	**.05490**	**8.4472**	**3.0026**	**.05935**	**4.9681**	**.09733**
Stddev	.00008	.0010	1.42	.0699	.00160	.0126	.0397	.00092	.0330	.00019
%RSD	.10432	.06423	.85844	.82672	2.9074	.14887	1.3235	1.5586	.66499	.19853
#1	.08126	1.6409	164.82	8.4040	.05377	8.4561	3.0307	.05869	4.9447	.09747
#2	.08138	1.6394	166.84	8.5029	.05603	8.4383	2.9745	.06000	4.9915	.09720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6275**	**5.1079**	**13.448**	**.06252**	**.01431**	**16.883**	**36.129**	**.17725**	**1.1944**	**.03911**
Stddev	.0122	.0190	.017	.00058	.00070	.107	.229	.00102	.0053	.00225
%RSD	.33517	.37155	.12863	.92967	4.8893	.63417	.63417	.57482	.44704	5.7591
#1	3.6361	5.1213	13.460	.06211	.01382	16.807	35.967	.17653	1.1906	.04071
#2	3.6190	5.0945	13.436	.06293	.01481	16.959	36.291	.17797	1.1982	.03752
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0318**	**.00118**	W **-.07105**	**.16253**	**7.1973**	**.13774**
Stddev	.0040	.00072	.00601	.00009	.0077	.00094
%RSD	.13224	61.226	8.4641	.05300	.10715	.68269
#1	3.0347	.00168	-.07530	.16259	7.1918	.13707
#2	3.0290	.00067	-.06680	.16246	7.2027	.13840
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4261.6**	**66456.**	**6530.5**
Stddev	21.8	300.	29.8
%RSD	.51160	.45144	.45560
#1	4246.2	66244.	6551.5
#2	4277.0	66668.	6509.5

Sample Name: 280-27433-a-3-e Acquired: 4/10/2012 21:13:29 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00727**	**90.417**	**.09369**	**.06208**	**1.9554**	**.00781**	**-.00171**	**46.868**	**.03503**	**.05307**
Stddev	.00038	.376	.00342	.00029	.0119	.00001	.00061	.097	.00002	.00010
%RSD	5.2336	.41588	3.6484	.46169	.61043	.12601	35.639	.20794	.05540	.18301
#1	.00754	90.683	.09127	.06228	1.9638	.00781	-.00214	46.937	.03501	.05314
#2	.00700	90.151	.09610	.06188	1.9470	.00780	-.00128	46.799	.03504	.05300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33879**	**.66679**	**175.31**	**20.243**	**.08187**	**18.164**	**2.8003**	**.07788**	**4.7704**	**.19567**
Stddev	.00023	.00057	.74	.093	.00116	.010	.0312	.00021	.0141	.00024
%RSD	.06848	.08484	.42468	.45846	1.4219	.05334	1.1133	.27123	.29571	.12205
#1	.33895	.66719	175.84	20.309	.08269	18.171	2.8223	.07773	4.7803	.19584
#2	.33862	.66639	174.79	20.177	.08105	18.157	2.7782	.07803	4.7604	.19550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.9438**	**2.6003**	**5.3516**	**.00980**	**-.00093**	**8.3772**	**17.927**	**.06060**	**.79978**	**.09641**
Stddev	.0318	.0033	.0284	.00008	.00353	.1798	.385	.00084	.00491	.00154
%RSD	.64318	.12538	.53141	.82612	381.05	2.1463	2.1463	1.3818	.61442	1.5958
#1	4.9663	2.6026	5.3718	.00986	.00157	8.5043	18.199	.06001	.80325	.09532
#2	4.9213	2.5980	5.3315	.00975	-.00342	8.2500	17.655	.06119	.79630	.09750
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1362**	**-.00193**	F **-.17641**	**.20600**	**2.4801**	**.11385**
Stddev	.0066	.00115	.00235	.00021	.0085	.00024
%RSD	.20884	59.692	1.3320	.10339	.34165	.21241
#1	3.1408	-.00112	-.17807	.20585	2.4861	.11402
#2	3.1315	-.00275	-.17475	.20615	2.4741	.11368
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4488.2**	**69533.**	**6823.2**
Stddev	11.3	62.	3.3
%RSD	.25253	.08901	.04815
#1	4480.2	69489.	6820.9
#2	4496.2	69576.	6825.6

Sample Name: 280-27433-a-4-c Acquired: 4/10/2012 21:15:47 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114766 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**39.168**	**.03173**	**.00617**	**.55455**	**.00505**	**-.00425**	**13.131**	**.00040**	**.02035**
Stddev	.00047	.024	.00403	.00011	.00035	.00001	.00100	.010	.00006	.00012
%RSD	209.71	.06148	12.707	1.7149	.06337	.12363	23.649	.07789	15.560	.61193
#1	.00011	39.185	.02888	.00610	.55480	.00504	-.00354	13.139	.00044	.02026
#2	-.00056	39.151	.03458	.00625	.55430	.00505	-.00496	13.124	.00035	.02044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03832**	**.07832**	**139.95**	**10.229**	**.04886**	**9.7635**	**1.5294**	**.00337**	**.74840**	**.02331**
Stddev	.00025	.00016	.12	.061	.00023	.0203	.0026	.00009	.00418	.00041
%RSD	.65672	.20559	.08811	.59743	.48065	.20819	.16827	2.5461	.55872	1.7603
#1	.03850	.07844	140.03	10.272	.04870	9.7778	1.5312	.00331	.75135	.02360
#2	.03814	.07821	139.86	10.186	.04903	9.7491	1.5276	.00343	.74544	.02302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9689**	**.04558**	**.14177**	**-.00626**	**-.00475**	**3.1565**	**6.7549**	**.01176**	**.15858**	**.07390**
Stddev	.0172	.00182	.00349	.00175	.00325	.0308	.0658	.00072	.00005	.00141
%RSD	.58084	3.9902	2.4645	28.001	68.362	.97443	.97443	6.1154	.03184	1.9044
#1	2.9811	.04686	.14424	-.00502	-.00246	3.1782	6.8014	.01227	.15862	.07490
#2	2.9567	.04429	.13930	-.00750	-.00705	3.1347	6.7083	.01125	.15854	.07291
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6485**	**-.00292**	F **-.25162**	**.16141**	**.22136**	**.05137**
Stddev	.0056	.00101	.01671	.00013	.00058	.00140
%RSD	.34261	34.736	6.6405	.08182	.26142	2.7341
#1	1.6525	-.00363	-.26343	.16151	.22095	.05236
#2	1.6445	-.00220	-.23980	.16132	.22177	.05038
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4648.2**	**72639.**	**6918.9**
Stddev	5.2	170.	12.4
%RSD	.11198	.23468	.17971
#1	4644.5	72519.	6927.7
#2	4651.9	72760.	6910.1

Sample Name: CCVH-1351956 Acquired: 4/10/2012 21:18:07 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00194**	**53.761**	**-.00296**	**.00102**	**.00060**	**.00008**	**1.0114**	**-.00542**	**.00004**	**.00039**	**.00024**	**.00230**
Stddev	.00011	.175	.00289	.00003	.00012	.00004	.0022	.00212	.00021	.00010	.00015	.00054
%RSD	5.8060	.32520	97.586	3.2610	20.329	53.656	.21516	39.126	543.17	25.180	60.265	23.382
#1	.00202	53.638	-.00092	.00104	.00051	.00005	1.0130	-.00392	.00019	.00045	.00014	.00268
#2	.00186	53.885	-.00500	.00099	.00069	.00011	1.0099	-.00691	-.00011	.00032	.00035	.00192
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.178**	**.05635**	**.00113**	**.01778**	**.00003**	**-.00071**	W **275.44**	**.00181**	**.00086**	**-.00174**	**5.0201**	**-.00474**
Stddev	.092	.01951	.00088	.00092	.00006	.00023	.90	.00036	.00016	.00029	.0018	.00192
%RSD	.16968	34.627	78.209	5.1732	208.37	32.669	.32638	20.099	18.101	16.820	.03589	40.531
#1	54.113	.07015	.00050	.01843	.00007	-.00054	274.80	.00156	.00097	-.00154	5.0214	-.00338
#2	54.243	.04255	.00175	.01713	-.00001	-.00087	276.07	.00207	.00075	-.00195	5.0188	-.00610
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Pass	None
Value							250.00					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**.01274**	**.02727**	**.00165**	**.00039**	**5.0629**	**.00386**	**.00018**	**10.025**	**.00140**	**.00043**	**.01423**
Stddev	.00806	.00477	.01021	.00007	.00002	.0111	.00055	.00020	.005	.00032	.00046	.00052
%RSD	252.86	37.430	37.430	4.2713	5.4214	.21924	14.192	112.03	.05063	22.642	107.17	3.6828
#1	-.00251	.01612	.03449	.00160	.00037	5.0551	.00425	.00004	10.029	.00118	.00076	.01386
#2	.00889	.00937	.02005	.00170	.00040	5.0708	.00347	.00032	10.022	.00162	.00010	.01461
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4064.7**	**62556.**	**6054.1**
Stddev	13.8	194.	29.5
%RSD	.33999	.31018	.48654
#1	4054.9	62693.	6074.9
#2	4074.5	62419.	6033.3

Sample Name: CCV-1351954 Acquired: 4/10/2012 21:20:27 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51124**	**.49420**	**.93816**	**.49522**	**.54175**	**.50435**	**-.00093**	**5.1525**	**.50629**	**.49936**	**.50154**	**.51826**	**2.7034**
Stddev	.00359	.00109	.00209	.00238	.00127	.00225	.00027	.0250	.00269	.00192	.00171	.00304	.0134
%RSD	.70242	.22056	.22233	.48073	.23534	.44663	28.926	.48536	.53177	.38456	.34031	.58634	.49441
#1	.51378	.49497	.93964	.49691	.54266	.50594	-.00112	5.1702	.50820	.50072	.50274	.52041	2.7129
#2	.50870	.49343	.93669	.49354	.54085	.50276	-.00074	5.1348	.50439	.49800	.50033	.51611	2.6940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.014**	**1.0743**	**19.600**	**.50289**	**.49798**	**5.2167**	**.50023**	**.96058**	**.94290**	**.00976**	**.98275**	**1.0351**	**5.0933**
Stddev	.150	.0029	.130	.00317	.00360	.0131	.00349	.00477	.00800	.00603	.00796	.0035	.0168
%RSD	.27726	.26613	.66414	.62944	.72383	.25081	.69845	.49671	.84879	61.808	.80962	.33581	.32897
#1	54.120	1.0764	19.692	.50513	.50053	5.2259	.50270	.96396	.94855	.01403	.98838	1.0375	5.1051
#2	53.908	1.0723	19.508	.50065	.49543	5.2074	.49776	.95721	.93724	.00549	.97713	1.0326	5.0814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.900**	**1.0092**	**.52842**	**-.00216**	**.49281**	**1.0411**	**.01400**	**.50131**	**.47369**	**.53537**
Stddev	.036	.0033	.00223	.00100	.00192	.0064	.00754	.00346	.00296	.00418
%RSD	.32897	.32614	.42271	46.215	.38923	.61490	53.830	.68972	.62415	.78168
#1	10.925	1.0115	.53000	-.00145	.49417	1.0456	.01933	.50376	.47578	.53833
#2	10.874	1.0068	.52684	-.00287	.49145	1.0366	.00867	.49887	.47160	.53241
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.1**	**64091.**	**6057.3**
Stddev	5.3	265.	8.6
%RSD	.12918	.41306	.14194
#1	4126.3	63904.	6051.2
#2	4133.9	64278.	6063.3

Sample Name: CCB Acquired: 4/10/2012 21:22:40 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00117	.00004	.00013	-.00014	.00030	-.00004	-.00257	.00543	.00019	-.00014	-.00010
Stddev	.00012	.00018	.00058	.00019	.00001	.00002	.00067	.00047	.00000	.00017	.00007
%RSD	10.455	468.27	430.06	135.13	4.6048	41.826	25.864	8.5814	.83011	117.43	68.879
#1	.00108	.00017	.00054	-.00028	.00031	-.00003	-.00305	.00576	.00019	-.00002	-.00005
#2	.00126	-.00009	-.00027	-.00001	.00029	-.00006	-.00210	.00510	.00019	-.00026	-.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W -.00214	.00246	.02576	.00063	.00430	.00000	.00070	.00048	-.00020	.00010	.00129
Stddev	.00014	.00315	.02148	.00144	.00067	.0000	.00046	.00151	.00015	.00154	.00033
%RSD	6.6419	128.42	83.410	230.81	15.479	429.21	65.694	312.22	73.890	1469.8	25.265
#1	-.00224	.00023	.01057	.00165	.00383	.00001	.00037	-.00058	-.00010	-.00098	.00106
#2	-.00204	.00469	.04095	-.00040	.00477	-.00001	.00102	.00155	-.00031	.00119	.00152
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00811	.00139	.00225	.00201	.00429	.00146	.00002	-.00018	.00014	-.00063	.02390
Stddev	.00079	.00039	.00403	.00247	.00528	.00059	.00006	.00041	.00001	.00107	.01847
%RSD	9.7398	27.871	178.81	123.02	123.02	40.237	339.74	221.62	5.2523	168.89	77.268
#1	.00755	.00111	-.00060	.00375	.00803	.00104	-.00003	.00010	.00015	-.00139	.01084
#2	.00866	.00166	.00511	.00026	.00056	.00187	.00006	-.00047	.00014	.00012	.03696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	.00045	.00123	.00051
Stddev	.00060	.00013	.00089
%RSD	134.55	10.367	175.32
#1	.00002	.00132	.00113
#2	.00087	.00114	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4161.7	65708.	6008.7
Stddev	17.6	215.	47.1
%RSD	.42406	.32742	.78373
#1	4149.3	65860.	6042.0
#2	4174.2	65556.	5975.4

Sample Name: CCVL1351959 Acquired: 4/10/2012 21:25:06 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01122**	**.10163**	**.01648**	**.09430**	**.01121**	**.00102**	**.10571**	**.20581**	**.00510**	**.01014**	**.01018**	**.01434**	**.10939**	**3.3665**
Stddev	.00020	.00037	.00041	.00073	.00048	.00000	.00092	.00242	.00001	.00013	.00025	.00008	.00096	.0283
%RSD	1.7936	.36612	2.4741	.77321	4.2669	.47871	.86631	1.1761	.16863	1.2450	2.4120	.58268	.87306	.84071
#1	.01108	.10137	.01677	.09481	.01088	.00101	.10506	.20410	.00509	.01005	.01036	.01428	.10872	3.3465
#2	.01136	.10189	.01620	.09378	.01155	.00102	.10636	.20752	.00511	.01023	.01001	.01440	.11007	3.3866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01196**	**.20263**	**.01030**	**.01956**	**1.0840**	**.04063**	**2.7404**	**.00867**	**.00556**	**.00711**	**.01788**	**.50233**	**1.0750**	**.10211**
Stddev	.00142	.00416	.00002	.00001	.0127	.00011	.0023	.00233	.00185	.00033	.00451	.00560	.0120	.00074
%RSD	11.888	2.0509	.19727	.03204	1.1750	.26237	.08333	26.842	33.280	4.5694	25.197	1.1149	1.1149	.72518
#1	.01095	.20557	.01032	.01955	1.0750	.04070	2.7388	.01031	.00687	.00734	.02107	.49837	1.0665	.10263
#2	.01296	.19969	.01029	.01956	1.0930	.04055	2.7420	.00702	.00425	.00688	.01470	.50629	1.0835	.10158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01075**	**.01470**	**.00950**	**.01529**	**.07390**	**.01020**	**.01991**	**.01675**
Stddev	.00020	.00055	.00021	.00106	.00630	.00050	.00026	.00196
%RSD	1.9067	3.7398	2.2394	6.9225	8.5310	4.8696	1.2999	11.702
#1	.01060	.01509	.00935	.01454	.07836	.01055	.02010	.01537
#2	.01089	.01431	.00965	.01603	.06944	.00985	.01973	.01814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4199.4**	**65751.**	**6095.5**
Stddev	5.8	285.	43.8
%RSD	.13737	.43283	.71793
#1	4203.5	65550.	6126.4
#2	4195.3	65952.	6064.6

Sample Name: mb 280-114839/1-a Acquired: 4/10/2012 21:27:30 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00977**	**.00190**	F **.01213**	**.00115**	**.00001**	**-.00129**	**.08737**	**.00018**	**-.00008**
Stddev	.00035	.00018	.00379	.00032	.00002	.00001	.00152	.00044	.00009	.00001
%RSD	32.565	1.8632	199.82	2.6484	1.7560	92.404	117.94	.50627	52.513	14.353
#1	.00083	.00990	-.00078	.01190	.00117	.00002	-.00021	.08768	.00011	-.00009
#2	.00133	.00964	.00458	.01236	.00114	.00000	-.00237	.08705	.00024	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00039**	**.02024**	**.05876**	**.00024**	**.01505**	**.00047**	**-.00024**	**.28822**	**.00003**
Stddev	.00004	.00013	.00057	.01880	.00031	.00339	.00003	.00000	.00002	.00011
%RSD	9.4044	33.205	2.8195	31.994	128.46	22.553	6.1906	.38187	.00808	412.34
#1	.00045	-.00048	.01984	.07205	.00046	.01745	.00045	-.00024	.28824	.00011
#2	.00039	-.00030	.02065	.04547	.00002	.01265	.00049	-.00024	.28821	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	**.00163**	F **.03251**	**-.00117**	**.00076**	F **.05870**	**.12563**	**.00916**	**.00022**	**-.00006**
Stddev	.00070	.00074	.00126	.00220	.00608	.00519	.01111	.00030	.00001	.00090
%RSD	24.414	45.531	3.8697	188.54	794.72	8.8431	8.8431	3.3206	3.0250	1490.3
#1	.00336	.00215	.03340	-.00272	.00506	.05503	.11777	.00938	.00022	-.00069
#2	.00237	.00110	.03162	.00039	-.00353	.06237	.13348	.00895	.00021	.00057
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00241**	**.01380**	**-.00013**	**.00405**	**-.00002**
Stddev	.00007	.00030	.00946	.00011	.00027	.00024
%RSD	17.843	12.384	68.542	87.336	6.7433	1141.2
#1	.00035	-.00262	.02049	-.00020	.00424	-.00019
#2	.00045	-.00220	.00711	-.00005	.00385	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4239.0**	**67443.**	**6180.8**
Stddev	6.1	38.	84.3
%RSD	.14370	.05590	1.3644
#1	4243.3	67417.	6121.1
#2	4234.7	67470.	6240.4

Sample Name: lcs 280-114839/2-a Acquired: 4/10/2012 21:29:56 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05429	1.8936	.97597	1.0588	2.1892	.05155	2.1338	51.391	.10437	.50031
Stddev	.00116	.0036	.00313	.0040	.0131	.00068	.0010	.409	.00015	.00085
%RSD	2.1440	.18950	.32092	.37813	.60030	1.3226	.04554	.79604	.14047	.16995
#1	.05346	1.8961	.97818	1.0616	2.1985	.05203	2.1331	51.680	.10448	.50091
#2	.05511	1.8910	.97375	1.0560	2.1799	.05107	2.1344	51.101	.10427	.49971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20456	.26729	1.0977	F 55.138	1.0926	48.898	.51586	1.0242	F 57.558	.50647
Stddev	.00028	.00197	.0077	.170	.0047	.282	.00240	.0008	.178	.00074
%RSD	.13700	.73720	.70224	.30781	.43252	.57633	.46527	.08281	.30991	.14677
#1	.20437	.26589	1.1032	55.258	1.0959	48.699	.51416	1.0248	57.684	.50700
#2	.20476	.26868	1.0923	55.018	1.0893	49.097	.51755	1.0236	57.432	.50595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				55.000					56.000	
Low Limit				44.500					45.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.038	.47884	.04500	.48125	2.0926	2.0259	F 4.3355	2.0550	1.0835	1.0337
Stddev	.014	.00286	.00075	.00253	.0017	.0037	.0080	.0039	.0062	.0088
%RSD	.13741	.59629	1.6725	.52553	.08303	.18484	.18484	.18787	.56764	.84605
#1	10.048	.48086	.04553	.48303	2.0939	2.0286	4.3411	2.0578	1.0878	1.0275
#2	10.029	.47682	.04447	.47946	2.0914	2.0233	4.3298	2.0523	1.0791	1.0399
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0219	2.0599	F 2.2225	.51519	.47411	.54563
Stddev	.0059	.0018	.0223	.00256	.00206	.00375
%RSD	.57614	.08508	1.0057	.49782	.43553	.68719
#1	1.0177	2.0612	2.2067	.51337	.47557	.54828
#2	1.0260	2.0587	2.2383	.51700	.47265	.54298
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3979.1	62093.	6063.1
Stddev	6.2	292.	6.9
%RSD	.15502	.46987	.11361
#1	3974.8	62299.	6067.9
#2	3983.5	61886.	6058.2

Sample Name: 280-27405-a-1-b Acquired: 4/10/2012 21:32:07 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**69.934**	**.04863**	**.01454**	**.82412**	**.00399**	**-.00392**	**13.783**	**.00176**	**.04796**
Stddev	.00012	.166	.00357	.00034	.00357	.00004	.00011	.002	.00002	.00034
%RSD	10.653	.23738	7.3351	2.3391	.43377	.94533	2.9175	.01501	1.0664	.70291
#1	.00120	70.052	.05115	.01478	.82665	.00396	-.00384	13.784	.00174	.04820
#2	.00103	69.817	.04610	.01430	.82160	.00402	-.00400	13.781	.00177	.04772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11231**	**.26022**	**110.73**	**4.9693**	**.05220**	**9.7055**	**4.3762**	**.00550**	**.47777**	**.07993**
Stddev	.00023	.00211	.28	.0084	.00078	.0950	.0002	.00081	.01171	.00026
%RSD	.20861	.81064	.25638	.16878	1.4882	.97917	.00521	14.805	2.4513	.32436
#1	.11248	.25873	110.93	4.9634	.05274	9.6383	4.3760	.00492	.48605	.07975
#2	.11215	.26171	110.53	4.9752	.05165	9.7727	4.3764	.00607	.46949	.08012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2913**	**.25348**	**.65971**	**.00025**	**-.00041**	**3.8258**	**8.1873**	**.02429**	**.09272**	**.03708**
Stddev	.0022	.00195	.00324	.00180	.00385	.0240	.0513	.00192	.00043	.00140
%RSD	.09660	.76774	.49093	733.10	930.49	.62615	.62615	7.8995	.45981	3.7845
#1	2.2929	.25485	.66200	-.00103	-.00313	3.8089	8.1510	.02293	.09302	.03608
#2	2.2898	.25210	.65742	.00152	.00231	3.8428	8.2235	.02564	.09242	.03807
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4751**	**-.00118**	F **-.15259**	**.17915**	**.44467**	**.01969**
Stddev	.0134	.00007	.00112	.00025	.00108	.00158
%RSD	.90896	5.6838	.73683	.13729	.24292	7.9981
#1	1.4656	-.00114	-.15339	.17897	.44391	.01858
#2	1.4846	-.00123	-.15180	.17932	.44543	.02081
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4461.3**	**68841.**	**6761.7**
Stddev	11.0	366.	3.8
%RSD	.24646	.53096	.05667
#1	4469.0	69100.	6764.4
#2	4453.5	68583.	6759.0

Sample Name: 280-27405-a-2-b Acquired: 4/10/2012 21:34:29 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00352**	**62.712**	**.04756**	**.01560**	**.92855**	**.00404**	**.03011**	**12.723**	**.00214**	**.04584**
Stddev	.00008	.197	.00033	.00024	.00314	.00003	.00153	.030	.00001	.00012
%RSD	2.3376	.31458	.68519	1.5136	.33795	.63937	5.0834	.23499	.25385	.27199
#1	.00357	62.852	.04733	.01543	.93077	.00406	.02903	12.744	.00213	.04593
#2	.00346	62.573	.04779	.01577	.92633	.00402	.03119	12.702	.00214	.04576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09519**	**5.3593**	**101.35**	**5.3173**	**.04950**	**9.6334**	**6.0876**	**.00402**	**.51122**	**1.1192**
Stddev	.00009	.0368	.30	.0152	.00074	.0623	.0983	.00019	.00067	.0022
%RSD	.09838	.68747	.30074	.28483	1.4980	.64650	1.6146	4.6769	.13035	.19853
#1	.09526	5.3332	101.56	5.3066	.04898	9.5894	6.0181	.00389	.51074	1.1207
#2	.09513	5.3853	101.13	5.3280	.05003	9.6775	6.1571	.00416	.51169	1.1176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2846**	W **52.820**	**1.3762**	**.84104**	**-.00055**	**5.1961**	**11.120**	**.03994**	**.06794**	**.02597**
Stddev	.0091	.217	.0020	.00177	.00785	.0029	.006	.00000	.00023	.00125
%RSD	.27814	.41142	.14585	.20989	1435.1	.05532	.05532	.01088	.33448	4.8090
#1	3.2911	52.973	1.3776	.84229	.00500	5.1981	11.124	.03994	.06810	.02509
#2	3.2782	52.666	1.3748	.83979	-.00610	5.1941	11.115	.03994	.06778	.02686
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91832**	**-.00225**	F **-.11760**	**.15324**	**.62393**	**.01361**
Stddev	.00241	.00091	.00717	.00074	.00046	.00033
%RSD	.26269	40.202	6.0976	.47985	.07417	2.4379
#1	.92003	-.00290	-.12267	.15272	.62360	.01337
#2	.91662	-.00161	-.11253	.15376	.62425	.01384
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4364.1**	**67976.**	**6622.5**
Stddev	3.6	409.	2.4
%RSD	.08304	.60207	.03571
#1	4361.6	68266.	6624.2
#2	4366.7	67687.	6620.9

Sample Name: 280-27405-a-3-b Acquired: 4/10/2012 21:36:51 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**67.572**	**.03958**	**.03087**	**.92697**	**.00364**	**.03470**	**36.531**	**.00311**	**.04243**
Stddev	.00040	.149	.00212	.00038	.00259	.00005	.00112	.182	.00019	.00012
%RSD	22.423	.22072	5.3614	1.2176	.27890	1.2922	3.2146	.49921	6.1933	.28955
#1	.00151	67.467	.03808	.03114	.92514	.00368	.03392	36.402	.00325	.04252
#2	.00207	67.677	.04108	.03060	.92880	.00361	.03549	36.660	.00297	.04234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10404**	**3.2778**	**100.82**	**7.8298**	**.05375**	**11.509**	**4.9223**	**.00383**	**.42093**	**.46312**
Stddev	.00066	.0327	.45	.0009	.00035	.099	.0538	.00014	.01682	.00135
%RSD	.63528	.99696	.44995	.01162	.65114	.85936	1.0934	3.5988	3.9953	.29099
#1	.10357	3.2547	100.50	7.8305	.05350	11.439	4.8843	.00393	.40904	.46217
#2	.10451	3.3010	101.14	7.8292	.05400	11.579	4.9604	.00373	.43282	.46407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.4196**	W **40.968**	**3.1651**	**.13092**	**.00168**	**3.7533**	**8.0320**	**.01740**	**.13973**	**.02341**
Stddev	.0016	.058	.0136	.00022	.00124	.0205	.0439	.00042	.00031	.00049
%RSD	.04656	.14095	.42904	.16548	74.006	.54688	.54688	2.4119	.21877	2.1106
#1	3.4207	40.927	3.1747	.13077	.00080	3.7678	8.0631	.01770	.13951	.02306
#2	3.4185	41.009	3.1555	.13108	.00255	3.7388	8.0010	.01711	.13995	.02376
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0122**	**-.00096**	F **-.12861**	**.17035**	**.63244**	**.01556**
Stddev	.0048	.00131	.01388	.00094	.00009	.00147
%RSD	.47224	136.08	10.790	.54901	.01449	9.4320
#1	1.0088	-.00004	-.13842	.16968	.63251	.01660
#2	1.0156	-.00188	-.11880	.17101	.63238	.01453
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4338.3**	**67465.**	**6646.3**
Stddev	8.1	516.	18.4
%RSD	.18575	.76555	.27690
#1	4344.0	67830.	6659.3
#2	4332.6	67099.	6633.3

Sample Name: 280-27405-a-4-d Acquired: 4/10/2012 21:39:12 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**70.337**	**.04163**	**.01439**	**.70794**	**.00356**	**-.00240**	**11.523**	**.00089**	**.05445**
Stddev	.00065	.881	.00306	.00046	.00924	.00001	.00077	.103	.00012	.00014
%RSD	52.850	1.2521	7.3435	3.2000	1.3047	.15972	31.939	.89291	13.944	.25440
#1	.00169	70.960	.04380	.01472	.71448	.00356	-.00294	11.596	.00080	.05455
#2	.00077	69.715	.03947	.01406	.70141	.00357	-.00186	11.450	.00097	.05435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09482**	**.44536**	**104.28**	**5.9574**	**.05537**	**10.386**	**5.5675**	**.00474**	**.42728**	**.07385**
Stddev	.00007	.00136	1.42	.1266	.00088	.032	.0735	.00008	.00633	.00057
%RSD	.07167	.30613	1.3641	2.1246	1.5973	.30650	1.3195	1.7381	1.4820	.77488
#1	.09477	.44439	105.29	6.0469	.05599	10.408	5.6195	.00468	.43176	.07345
#2	.09486	.44632	103.27	5.8679	.05474	10.363	5.5156	.00479	.42281	.07426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2489**	**5.2050**	**.93470**	**.01782**	**.00222**	**4.7091**	**10.078**	**.01084**	**.07856**	**.03444**
Stddev	.0002	.0063	.00065	.00015	.00025	.0732	.157	.00022	.00089	.00138
%RSD	.00865	.12193	.06942	.82653	11.164	1.5551	1.5551	1.9913	1.1380	4.0025
#1	2.2488	5.2005	.93424	.01793	.00239	4.7609	10.188	.01069	.07919	.03346
#2	2.2491	5.2095	.93515	.01772	.00204	4.6574	9.9667	.01100	.07793	.03541
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2861**	**-.00228**	F **-.15602**	**.17565**	**.40531**	**.01475**
Stddev	.0065	.00074	.01921	.00018	.00069	.00088
%RSD	.50343	32.563	12.311	.10513	.16907	5.9366
#1	1.2815	-.00280	-.16960	.17552	.40579	.01537
#2	1.2906	-.00175	-.14244	.17578	.40483	.01413
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4422.5**	**68541.**	**6706.6**
Stddev	5.5	305.	49.6
%RSD	.12500	.44475	.73884
#1	4418.6	68326.	6671.6
#2	4426.5	68757.	6741.6

Sample Name: 280-27405-a-4-dSD@5 Acquired: 4/10/2012 21:41:36 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**15.543**	**.01019**	**.00288**	**.15601**	**.00078**	**-.00084**	**2.5478**	**.00018**	**.01214**
Stddev	.00005	.040	.00320	.00010	.00044	.00007	.00086	.0106	.00001	.00019
%RSD	4.2551	.25787	31.393	3.3081	.28266	8.8771	101.96	.41654	3.1068	1.5717
#1	.00128	15.515	.00793	.00281	.15570	.00082	-.00145	2.5403	.00019	.01201
#2	.00120	15.572	.01245	.00294	.15632	.00073	-.00024	2.5553	.00018	.01228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02111**	**.09521**	**22.690**	**1.3179**	**.01346**	**2.3465**	**1.2722**	**.00083**	**.07693**	**.01654**
Stddev	.00009	.00050	.073	.0042	.00026	.0070	.0001	.00019	.00602	.00006
%RSD	.42484	.52844	.32201	.31787	1.9497	.29937	.00693	22.885	7.8260	.36651
#1	.02118	.09556	22.639	1.3149	.01364	2.3514	1.2722	.00070	.07267	.01650
#2	.02105	.09485	22.742	1.3208	.01327	2.3415	1.2721	.00097	.08119	.01658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49415**	**1.1773**	**.21787**	**.00145**	**.00027**	**1.0268**	**2.1973**	**.00352**	**.01736**	**.00682**
Stddev	.00315	.0005	.00277	.00144	.00332	.0231	.0495	.00061	.00013	.00009
%RSD	.63672	.03984	1.2707	99.660	1235.8	2.2504	2.2504	17.441	.77406	1.3144
#1	.49193	1.1769	.21983	.00043	-.00208	1.0105	2.1624	.00309	.01727	.00688
#2	.49638	1.1776	.21591	.00247	.00261	1.0431	2.2323	.00395	.01746	.00675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27822**	**-.00171**	**-.02689**	**.03812**	**.09088**	**.00366**
Stddev	.00030	.00008	.01226	.00028	.00029	.00209
%RSD	.10634	4.4465	45.599	.74466	.31832	57.142
#1	.27843	-.00176	-.03556	.03832	.09067	.00218
#2	.27801	-.00165	-.01822	.03792	.09108	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4261.7**	**66642.**	**6404.0**
Stddev	13.2	6.	29.2
%RSD	.31022	.00886	.45590
#1	4252.3	66638.	6424.7
#2	4271.0	66647.	6383.4

Sample Name: 280-27405-a-4-e ms Acquired: 4/10/2012 21:43:57 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05130**	**118.84**	**.93107**	**.91667**	**2.9142**	**.05087**	F **1.9397**	**62.121**	**.09637**	**.50410**
Stddev	.00024	.03	.00183	.00225	.0062	.00021	.0005	.015	.00032	.00147
%RSD	.45850	.02275	.19695	.24523	.21220	.42185	.02661	.02466	.33399	.29084
#1	.05113	118.82	.92977	.91508	2.9098	.05072	1.9393	62.131	.09614	.50306
#2	.05146	118.86	.93236	.91826	2.9185	.05102	1.9400	62.110	.09660	.50514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31345**	**.69882**	**102.70**	**65.174**	**1.0907**	**58.336**	**5.8850**	**.91621**	**53.745**	**.53845**
Stddev	.00034	.00706	.15	.085	.0012	.606	.0218	.00167	.246	.00133
%RSD	.10852	1.0096	.14700	.13094	.10835	1.0386	.37079	.18257	.45737	.24657
#1	.31321	.69384	102.81	65.114	1.0915	57.908	5.8696	.91503	53.918	.53751
#2	.31369	.70381	102.59	65.235	1.0899	58.764	5.9004	.91740	53.571	.53939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.886**	**5.3380**	**1.0359**	**.31416**	**1.8878**	**7.7718**	**16.632**	**1.7781**	**1.1325**	**.91974**
Stddev	.028	.0159	.0022	.00327	.0034	.0080	.017	.0072	.0015	.01099
%RSD	.25272	.29691	.20894	1.0408	.18082	.10290	.10290	.40417	.12952	1.1951
#1	10.866	5.3268	1.0344	.31647	1.8854	7.7775	16.644	1.7731	1.1314	.91196
#2	10.905	5.3492	1.0374	.31185	1.8902	7.7661	16.620	1.7832	1.1335	.92751
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1276**	**1.8072**	**1.8727**	**.71600**	**.85024**	**.45329**
Stddev	.0312	.0047	.0341	.00574	.00733	.00277
%RSD	.99750	.26244	1.8203	.80129	.86265	.61215
#1	3.1056	1.8039	1.8486	.71195	.84505	.45133
#2	3.1497	1.8106	1.8968	.72006	.85543	.45526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4247.2**	**65016.**	**6472.7**
Stddev	3.8	325.	12.8
%RSD	.09040	.49937	.19823
#1	4249.9	65245.	6463.7
#2	4244.4	64786.	6481.8

Sample Name: 280-27405-a-4-f msd Acquired: 4/10/2012 21:46:11 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05110**	**128.10**	**.93711**	**.91982**	**3.0018**	**.05128**	F **1.9484**	**63.647**	**.09657**	**.50971**
Stddev	.00064	.91	.00749	.00129	.0231	.00033	.0053	.522	.00032	.00042
%RSD	1.2516	.71314	.79947	.14072	.76804	.65109	.27433	.82080	.33481	.08326
#1	.05065	128.75	.93181	.91891	3.0181	.05151	1.9447	64.017	.09634	.50941
#2	.05155	127.45	.94241	.92074	2.9855	.05104	1.9522	63.278	.09680	.51001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34240**	**.75188**	**116.44**	**65.598**	**1.1016**	**59.519**	**6.0813**	**.92445**	**54.255**	**.54804**
Stddev	.00062	.00345	1.28	.506	.0034	.185	.0184	.00021	.032	.00023
%RSD	.18013	.45900	1.1008	.77165	.30888	.31130	.30177	.02323	.05869	.04108
#1	.34196	.74944	117.34	65.956	1.1040	59.388	6.0683	.92430	54.277	.54788
#2	.34283	.75432	115.53	65.240	1.0992	59.650	6.0943	.92460	54.232	.54820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.235**	**6.2459**	**1.1915**	**.30804**	**1.8958**	**7.4668**	**15.979**	**1.7748**	**1.1451**	**.91488**
Stddev	.029	.0147	.0027	.00219	.0053	.0922	.197	.0034	.0093	.00446
%RSD	.26036	.23613	.22468	.71240	.28082	1.2347	1.2347	.19002	.80986	.48750
#1	11.214	6.2354	1.1896	.30649	1.8996	7.5320	16.119	1.7772	1.1517	.91173
#2	11.255	6.2563	1.1934	.30960	1.8921	7.4016	15.840	1.7725	1.1386	.91804
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2945**	**1.8034**	**1.8628**	**.74046**	**.91676**	**.44158**
Stddev	.0127	.0026	.0041	.00291	.00478	.00293
%RSD	.38503	.14532	.21884	.39319	.52112	.66407
#1	3.2856	1.8016	1.8599	.73840	.91338	.44365
#2	3.3035	1.8053	1.8657	.74252	.92014	.43950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4257.6**	**65152.**	**6528.6**
Stddev	3.9	44.	50.3
%RSD	.09269	.06714	.76985
#1	4254.8	65183.	6493.1
#2	4260.4	65121.	6564.2

Sample Name: 280-27405-a-4-dPDS Acquired: 4/10/2012 21:48:25 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04778**	**70.022**	**.21698**	**.10175**	**.78964**	**.04882**	**-.00303**	**29.702**	**.04672**	**.09734**
Stddev	.00010	.007	.00070	.00066	.00118	.00006	.00269	.046	.00010	.00026
%RSD	.19906	.01000	.32060	.65075	.14973	.11718	88.979	.15515	.20989	.26333
#1	.04771	70.027	.21648	.10129	.78880	.04886	-.00493	29.734	.04665	.09716
#2	.04784	70.017	.21747	.10222	.79048	.04878	-.00112	29.669	.04679	.09752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13726**	**.47906**	**103.61**	**25.503**	**.15223**	**27.663**	**5.4736**	**.05074**	**21.428**	**.11616**
Stddev	.00031	.00145	.11	.083	.00158	.032	.0480	.00040	.025	.00052
%RSD	.22257	.30340	.10562	.32730	1.0385	.11603	.87640	.79070	.11600	.44667
#1	.13704	.48008	103.53	25.562	.15335	27.685	5.5075	.05046	21.410	.11579
#2	.13747	.47803	103.69	25.444	.15111	27.640	5.4397	.05103	21.445	.11652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9521**	**5.1118**	**.92639**	**.10914**	**.18686**	**9.2875**	**19.875**	**.10148**	**.12643**	**.21976**
Stddev	.0010	.0109	.00112	.00176	.00146	.1329	.284	.00166	.00018	.00095
%RSD	.02463	.21250	.12127	1.6120	.78259	1.4306	1.4306	1.6321	.14290	.43283
#1	3.9528	5.1195	.92560	.10790	.18583	9.3814	20.076	.10265	.12630	.22043
#2	3.9514	5.1041	.92719	.11039	.18790	9.1935	19.674	.10031	.12655	.21908
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3195**	**.18211**	**.32179**	**.21896**	**.57250**	**.06744**
Stddev	.0067	.00044	.00628	.00008	.00034	.00537
%RSD	.51094	.24077	1.9507	.03796	.05926	7.9558
#1	1.3243	.18242	.31735	.21902	.57274	.06364
#2	1.3147	.18180	.32623	.21890	.57226	.07123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4356.6**	**67120.**	**6625.1**
Stddev	17.6	277.	53.8
%RSD	.40401	.41233	.81200
#1	4369.1	66924.	6587.1
#2	4344.2	67316.	6663.2

Sample Name: CCVH-1351956 Acquired: 4/10/2012 21:50:45 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**52.969**	**-.00041**	**.00166**	**.00064**	**.00006**	**1.0086**	**-.00740**	**.00009**	**.00031**	**.00041**	**.00248**	**53.422**
Stddev	.00008	.258	.00320	.00076	.00027	.00002	.0018	.00145	.00007	.00006	.00009	.00016	.276
%RSD	5.0052	.48773	781.86	46.215	42.170	42.125	.17785	19.584	84.709	19.116	21.063	6.6588	.51711
#1	.00154	53.151	-.00267	.00111	.00083	.00004	1.0074	-.00842	.00003	.00027	.00035	.00259	53.617
#2	.00165	52.786	.00185	.00220	.00045	.00007	1.0099	-.00637	.00014	.00035	.00047	.00236	53.226
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07328**	**.00155**	**.02046**	**.00013**	**-.00060**	**272.89**	**.00168**	**.00281**	**-.00123**	**4.9962**	**-.00290**	**.00386**	**-.00091**
Stddev	.03612	.00169	.00149	.00010	.00017	1.28	.00041	.00092	.00003	.0007	.00099	.00370	.00664
%RSD	49.290	108.53	7.3070	75.870	28.215	.46747	24.189	32.731	2.1978	.01397	34.268	95.997	728.59
#1	.09882	.00275	.01940	.00006	-.00048	273.79	.00197	.00216	-.00125	4.9957	-.00220	.00647	.00378
#2	.04774	.00036	.02152	.00020	-.00072	271.99	.00139	.00346	-.00122	4.9967	-.00360	.00124	-.00561
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00195**	**.00234**	**.00041**	**5.0566**	**.00361**	**.00066**	**9.9977**	**.00200**	**.00029**	**.01345**
Stddev	.01421	.00011	.00009	.0028	.00019	.00010	.0071	.00004	.00033	.00103
%RSD	728.59	4.5758	20.896	.05462	5.2574	15.740	.07133	2.1961	112.36	7.6797
#1	.00810	.00242	.00047	5.0586	.00374	.00058	10.003	.00203	.00006	.01272
#2	-.01200	.00227	.00035	5.0546	.00347	.00073	9.9927	.00197	.00052	.01418
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4038.8**	**62369.**	**6073.9**
Stddev	16.5	34.	11.1
%RSD	.40955	.05405	.18287
#1	4050.5	62393.	6066.0
#2	4027.1	62345.	6081.7

Sample Name: CCV-1351954 Acquired: 4/10/2012 21:53:05 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51353**	**.49974**	**.94629**	**.49860**	**.54179**	**.50734**	**-.00060**	**5.1802**	**.50655**	**.50064**	**.50262**	**.51711**	**2.7014**
Stddev	.00136	.00133	.00360	.00029	.00037	.00099	.00411	.0002	.00076	.00103	.00074	.00058	.0004
%RSD	.26554	.26690	.38050	.05850	.06784	.19557	687.77	.00416	.15065	.20646	.14695	.11233	.01287
#1	.51449	.49879	.94374	.49881	.54153	.50664	-.00350	5.1803	.50601	.49991	.50210	.51752	2.7016
#2	.51256	.50068	.94883	.49839	.54205	.50804	.00231	5.1800	.50709	.50137	.50315	.51670	2.7011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.187**	**1.0725**	**19.702**	**.50576**	**.49914**	**5.2468**	**.50122**	**.97021**	**.94578**	**.00907**	**.98683**	**1.0341**	**5.1115**
Stddev	.019	.0003	.027	.00172	.00017	.0003	.00108	.00167	.00099	.00575	.00443	.0008	.0018
%RSD	.03442	.03010	.13597	.34068	.03317	.00548	.21530	.17213	.10455	63.352	.44896	.07807	.03515
#1	54.200	1.0723	19.721	.50698	.49926	5.2466	.50046	.97139	.94508	.00501	.98369	1.0335	5.1102
#2	54.174	1.0727	19.683	.50455	.49902	5.2470	.50198	.96903	.94648	.01313	.98996	1.0347	5.1127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.939**	**1.0122**	**.52958**	**-.00180**	**.49395**	**1.0410**	**.01077**	**.50290**	**.47601**	**.52818**
Stddev	.004	.0008	.00071	.00016	.00039	.0025	.01561	.00167	.00260	.00007
%RSD	.03515	.07747	.13439	8.6234	.07845	.24389	144.93	.33156	.54516	.01335
#1	10.936	1.0117	.53008	-.00169	.49423	1.0392	.02181	.50408	.47418	.52823
#2	10.941	1.0128	.52907	-.00191	.49368	1.0428	-.00027	.50172	.47785	.52813
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4107.7**	**63760.**	**6015.2**
Stddev	.0	110.	26.1
%RSD	.00029	.17208	.43415
#1	4107.7	63682.	5996.8
#2	4107.7	63838.	6033.7

Sample Name: CCB Acquired: 4/10/2012 21:55:16 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.00217**	**.00066**	**.00013**	**.00020**	**.00002**	**-.00159**	**-.00189**	**.00014**	**-.00020**	**-.00010**
Stddev	.00002	.00066	.00183	.00011	.00015	.00003	.00055	.00059	.00012	.00016	.00007
%RSD	2.3089	30.460	276.74	85.099	74.915	167.92	34.684	31.309	88.034	78.425	69.836
#1	.00083	.00170	.00195	.00021	.00031	.00000	-.00120	-.00231	.00005	-.00009	-.00005
#2	.00081	.00264	-.00063	.00005	.00009	.00004	-.00198	-.00147	.00022	-.00032	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00183**	**.00285**	**.07733**	W **.00286**	**.00385**	**.00006**	**.00112**	**.01818**	**-.00018**	**-.00004**	**.00106**
Stddev	.00014	.00026	.05564	.00108	.00036	.00006	.00043	.00043	.00018	.00061	.00178
%RSD	7.3731	8.9609	71.956	37.891	9.3685	92.090	38.388	2.3664	97.848	1491.4	167.81
#1	-.00193	.00303	.03798	.00209	.00411	.00011	.00082	.01787	-.00006	-.00047	-.00020
#2	-.00174	.00267	.11668	.00363	.00360	.00002	.00142	.01848	-.00031	.00039	.00231
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136			.00261							
Low Limit	-.00136			-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**.00145**	**.00194**	**.00654**	**.01399**	**.00156**	**.00004**	**.00037**	**.00002**	**-.00108**	**.00747**
Stddev	.00119	.00034	.00237	.01307	.02796	.00057	.00001	.00130	.00012	.00115	.02666
%RSD	51.770	23.323	122.05	199.83	199.83	36.683	30.929	350.89	680.92	107.24	357.05
#1	.00146	.00169	.00027	.01578	.03377	.00116	.00005	.00129	.00010	-.00026	-.01139
#2	.00315	.00121	.00361	-.00270	-.00578	.00197	.00003	-.00055	-.00007	-.00189	.02632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00010**	**.00128**	**.00018**
Stddev	.00011	.00017	.00099
%RSD	118.60	13.490	540.06
#1	.00002	.00141	.00088
#2	.00018	.00116	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4139.3**	**64867.**	**5985.6**
Stddev	8.1	77.	6.4
%RSD	.19545	.11821	.10636
#1	4145.0	64813.	5990.1
#2	4133.5	64921.	5981.1

Sample Name: CCVL1351959 Acquired: 4/10/2012 21:57:43 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01145**	**.10284**	**.01517**	**.09460**	**.01119**	**.00106**	**.10377**	**.20354**	**.00513**	**.01027**	**.01007**	**.01409**	**.11088**
Stddev	.00009	.00007	.00087	.00003	.00002	.00000	.00122	.00127	.00002	.00020	.00006	.00003	.00104
%RSD	.79339	.06605	5.7119	.03301	.19832	.20784	1.1761	.62577	.48639	1.9909	.55823	.23265	.93863
#1	.01139	.10289	.01456	.09457	.01118	.00106	.10290	.20264	.00515	.01042	.01011	.01412	.11015
#2	.01151	.10279	.01579	.09462	.01121	.00106	.10463	.20444	.00512	.01013	.01003	.01407	.11162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3200**	F **.01435**	**.20694**	**.01048**	**.01957**	**1.0816**	**.04026**	**2.7367**	**.01029**	**.00437**	F **.00581**	**.01490**	**.51006**
Stddev	.0078	.00136	.00049	.00011	.00003	.0100	.00016	.0004	.00026	.00071	.00144	.00190	.00989
%RSD	.23444	9.4596	.23672	1.0547	.16241	.91994	.40901	.01553	2.4838	16.188	24.846	12.747	1.9383
#1	3.3255	.01339	.20728	.01041	.01955	1.0745	.04038	2.7370	.01047	.00486	.00479	.01625	.50307
#2	3.3145	.01531	.20659	.01056	.01959	1.0886	.04015	2.7364	.01011	.00387	.00683	.01356	.51705
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0915**	**.10136**	**.01077**	**.01547**	**.00999**	**.01509**	**.05895**	**.01013**	**.02039**	**.01644**
Stddev	.0212	.00031	.00016	.00039	.00015	.00079	.02693	.00032	.00043	.00025
%RSD	1.9383	.30152	1.4763	2.5509	1.4544	5.2539	45.686	3.1673	2.1217	1.5394
#1	1.0766	.10158	.01066	.01575	.01009	.01453	.07799	.01036	.02009	.01626
#2	1.1065	.10114	.01088	.01519	.00988	.01565	.03990	.00991	.02070	.01662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4181.1**	**65440.**	**6004.8**
Stddev	6.8	382.	49.9
%RSD	.16300	.58396	.83043
#1	4185.9	65711.	6040.1
#2	4176.3	65170.	5969.6

Sample Name: 280-27405-a-5-b Acquired: 4/10/2012 22:00:07 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**76.787**	**.04525**	**.01351**	**.81560**	**.00395**	**-.00263**	**5.2717**	**.00090**	**.05936**
Stddev	.00034	.087	.00028	.00018	.00094	.00003	.00056	.0139	.00001	.00008
%RSD	39.105	.11276	.60938	1.3634	.11543	.73503	21.067	.26418	.67960	.13649
#1	.00063	76.726	.04544	.01364	.81494	.00397	-.00303	5.2815	.00091	.05942
#2	.00111	76.849	.04505	.01338	.81627	.00393	-.00224	5.2618	.00090	.05930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09731**	**.08015**	**107.66**	**5.3800**	**.06164**	**11.330**	**5.8834**	**.00328**	**.49406**	**.08618**
Stddev	.00018	.00008	.06	.0172	.00113	.044	.0405	.00029	.00640	.00045
%RSD	.18712	.10490	.05550	.31934	1.8415	.38553	.68794	8.8535	1.2951	.52212
#1	.09744	.08009	107.70	5.3678	.06083	11.361	5.9120	.00307	.49858	.08650
#2	.09718	.08021	107.62	5.3921	.06244	11.299	5.8547	.00348	.48953	.08586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2878**	**.22396**	**.90563**	**-.00371**	**-.00190**	**4.5427**	**9.7214**	**.00681**	**.06253**	**.03451**
Stddev	.0051	.00019	.00112	.00211	.00326	.0603	.1291	.00065	.00006	.00004
%RSD	.22425	.08605	.12337	56.985	171.22	1.3276	1.3276	9.6151	.09946	.11103
#1	2.2842	.22383	.90642	-.00222	.00040	4.5853	9.8126	.00635	.06257	.03454
#2	2.2914	.22410	.90484	-.00521	-.00421	4.5000	9.6301	.00727	.06248	.03449
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5856**	**-.00235**	F **-.14541**	**.18200**	**.26629**	**.01369**
Stddev	.0014	.00021	.02437	.00015	.00059	.00129
%RSD	.08877	8.8046	16.758	.08515	.22089	9.4045
#1	1.5846	-.00250	-.16264	.18189	.26670	.01460
#2	1.5866	-.00220	-.12818	.18211	.26587	.01278
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4449.3**	**68319.**	**6636.7**
Stddev	.5	21.	41.7
%RSD	.01168	.03063	.62878
#1	4449.6	68305.	6607.2
#2	4448.9	68334.	6666.2

Sample Name: 280-27405-a-6-b Acquired: 4/10/2012 22:02:30 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**63.213**	**.03324**	**.01289**	**.81460**	**.00355**	**-.00257**	**14.497**	**.00179**	**.04412**
Stddev	.00038	.444	.00044	.00032	.00494	.00003	.00093	.093	.00000	.00002
%RSD	44.487	.70178	1.3231	2.5109	.60594	.83186	36.103	.64212	.19661	.05160
#1	.00058	62.900	.03293	.01266	.81111	.00353	-.00322	14.431	.00179	.04414
#2	.00111	63.527	.03355	.01312	.81809	.00357	-.00191	14.563	.00179	.04411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08791**	**.23947**	**93.157**	**4.4691**	**.05122**	**9.7752**	**4.8178**	**.00283**	**.49084**	**.07956**
Stddev	.00018	.00086	.543	.0104	.00033	.0504	.0048	.00003	.00622	.00072
%RSD	.19917	.35890	.58284	.23378	.64926	.51571	.09908	1.2153	1.2673	.90635
#1	.08803	.24008	92.773	4.4618	.05145	9.8108	4.8145	.00286	.48644	.08006
#2	.08779	.23886	93.541	4.4765	.05098	9.7395	4.8212	.00281	.49523	.07905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9644**	**.26710**	**.62355**	**-.00260**	**.00023**	**3.8370**	**8.2112**	**.01139**	**.08805**	**.03392**
Stddev	.0044	.00176	.00585	.00070	.00223	.0076	.0163	.00001	.00058	.00025
%RSD	.22404	.65801	.93870	27.031	952.71	.19801	.19801	.08956	.66361	.72814
#1	1.9675	.26834	.62769	-.00309	-.00134	3.8317	8.1998	.01138	.08764	.03409
#2	1.9613	.26586	.61941	-.00210	.00181	3.8424	8.2227	.01139	.08847	.03374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4545**	**-.00343**	F **-.15420**	**.16258**	**.45030**	**.01623**
Stddev	.0022	.00100	.01564	.00139	.00380	.00015
%RSD	.15217	29.115	10.145	.85751	.84423	.94991
#1	1.4530	-.00413	-.16526	.16357	.45299	.01612
#2	1.4561	-.00272	-.14314	.16159	.44762	.01633
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4422.8**	**68359.**	**6583.5**
Stddev	10.9	272.	39.6
%RSD	.24594	.39731	.60166
#1	4415.1	68167.	6611.5
#2	4430.5	68551.	6555.5

Sample Name: 280-27405-a-7-b Acquired: 4/10/2012 22:04:53 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**73.458**	**.04732**	**.01417**	**1.1111**	**.00457**	**-.00313**	**12.450**	**.00160**	**.05294**
Stddev	.00000	.119	.00223	.00006	.0009	.00007	.00050	.003	.00009	.00012
%RSD	.07684	.16247	4.7152	.39020	.08467	1.5903	15.829	.02100	5.4236	.23579
#1	.00147	73.543	.04574	.01413	1.1104	.00452	-.00278	12.452	.00166	.05302
#2	.00147	73.374	.04890	.01421	1.1117	.00463	-.00348	12.449	.00154	.05285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09672**	**.66489**	**102.68**	**7.2052**	**.05949**	**11.025**	**6.9226**	**.00509**	**.46101**	**.08614**
Stddev	.00004	.00496	.21	.0115	.00036	.101	.0658	.00015	.00005	.00069
%RSD	.04434	.74565	.20072	.15950	.60530	.91922	.95079	2.8854	.01108	.80206
#1	.09669	.66840	102.83	7.1971	.05923	11.097	6.9692	.00498	.46098	.08663
#2	.09675	.66139	102.54	7.2133	.05974	10.954	6.8761	.00519	.46105	.08566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.7443**	**5.4440**	**1.0996**	**.02272**	**-.00175**	**5.2734**	**11.285**	**.00907**	**.08805**	**.03323**
Stddev	.0069	.0046	.0056	.00211	.00128	.0484	.104	.00022	.00038	.00016
%RSD	.25069	.08452	.51079	9.2967	73.078	.91740	.91740	2.4640	.42692	.46978
#1	2.7492	5.4473	1.1036	.02122	-.00265	5.3076	11.358	.00891	.08778	.03334
#2	2.7394	5.4408	1.0956	.02421	-.00084	5.2392	11.212	.00923	.08831	.03312
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2693**	**-.00303**	F **-.19013**	**.17428**	**.48918**	**.01668**
Stddev	.0095	.00023	.00643	.00101	.00341	.00019
%RSD	.75128	7.6524	3.3821	.58117	.69773	1.1399
#1	1.2761	-.00319	-.18558	.17499	.49159	.01655
#2	1.2626	-.00287	-.19467	.17356	.48677	.01682
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4505.1**	**69442.**	**6749.6**
Stddev	7.6	264.	7.9
%RSD	.16833	.38079	.11653
#1	4499.7	69256.	6744.0
#2	4510.4	69629.	6755.1

Sample Name: 280-27405-a-8-b Acquired: 4/10/2012 22:07:16 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114839 SOIL DOD4 C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00368**	**38.769**	**.03924**	**.02606**	**.55502**	**.00216**	**.04287**	**38.526**	**.00274**	**.02050**
Stddev	.00003	.044	.00058	.00032	.00018	.00000	.00197	.084	.00017	.00007
%RSD	.74081	.11363	1.4659	1.2282	.03325	.00332	4.5944	.21877	6.2378	.32045
#1	.00366	38.738	.03883	.02583	.55489	.00216	.04427	38.467	.00286	.02055
#2	.00370	38.800	.03964	.02628	.55515	.00216	.04148	38.586	.00262	.02046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06724**	**6.0816**	**67.334**	**5.0771**	**.02884**	**9.1656**	**2.7891**	**.00332**	**.40793**	**.37227**
Stddev	.00024	.0433	.211	.0024	.00195	.0955	.0307	.00006	.00225	.00023
%RSD	.35344	.71148	.31408	.04717	6.7709	1.0418	1.1006	1.9316	.55223	.06304
#1	.06741	6.0510	67.483	5.0754	.02746	9.0981	2.7674	.00327	.40633	.37243
#2	.06707	6.1122	67.184	5.0788	.03022	9.2331	2.8108	.00336	.40952	.37210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6586**	W **85.061**	**3.1501**	**.76925**	**.00244**	**3.7316**	**7.9857**	**.07193**	**.12852**	**.01867**
Stddev	.0133	.001	.0098	.00256	.00066	.0371	.0794	.00006	.00023	.00012
%RSD	.36458	.00143	.31049	.33237	27.047	.99365	.99365	.07761	.17845	.66874
#1	3.6492	85.062	3.1432	.77106	.00291	3.7054	7.9296	.07197	.12868	.01876
#2	3.6680	85.060	3.1570	.76744	.00197	3.7579	8.0418	.07189	.12836	.01858
Check ?	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000								
Low Limit	-1.0000	-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59503**	**-.00021**	W **-.07100**	**.10239**	**.73360**	**.01370**
Stddev	.01020	.00031	.00517	.00079	.00917	.00040
%RSD	1.7143	148.81	7.2760	.77587	1.2498	2.9465
#1	.58781	-.00043	-.06735	.10183	.72712	.01398
#2	.60224	.00001	-.07466	.10296	.74008	.01341
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4258.4**	**66244.**	**6353.5**
Stddev	1.8	290.	7.7
%RSD	.04196	.43751	.12181
#1	4259.6	66449.	6359.0
#2	4257.1	66039.	6348.1

Sample Name: CCVH-1351956 Acquired: 4/10/2012 22:09:32 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**53.497**	**-.00085**	**.00067**	**.00042**	**.00001**	**1.0047**	**-.00570**	**-.00014**	**.00023**	**.00028**	**.00192**	**54.000**
Stddev	.00047	.282	.00077	.00054	.00006	.00003	.0005	.00148	.00010	.00009	.00006	.00022	.418
%RSD	27.862	.52679	90.120	80.729	13.575	233.32	.04728	26.047	69.632	41.997	21.829	11.417	.77437
#1	.00136	53.298	-.00031	.00029	.00047	.00004	1.0050	-.00674	-.00021	.00016	.00024	.00177	53.704
#2	.00203	53.697	-.00139	.00105	.00038	-.00001	1.0044	-.00465	-.00007	.00029	.00033	.00208	54.295
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04716**	**.00334**	**.01710**	**.00009**	**-.00072**	**274.93**	**.00188**	**.00282**	**-.00035**	**4.9901**	**.00141**	**-.00387**	**.01059**
Stddev	.03658	.00112	.00050	.00003	.00021	1.16	.00028	.00089	.00019	.0115	.00321	.00461	.00710
%RSD	77.570	33.561	2.9238	30.147	28.925	.42288	15.149	31.722	54.771	.23034	228.68	118.93	67.013
#1	.02129	.00414	.01745	.00011	-.00057	274.11	.00168	.00219	-.00048	4.9820	-.00087	-.00062	.01561
#2	.07302	.00255	.01674	.00007	-.00086	275.76	.00208	.00345	-.00021	4.9983	.00368	-.00713	.00557
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02266**	**.00191**	**.00037**	**5.0547**	**.00396**	**.00147**	**9.9502**	**.00131**	**.00141**	**.01349**
Stddev	.01518	.00005	.00001	.0038	.00025	.00070	.0099	.00021	.00000	.00269
%RSD	67.013	2.6505	1.5338	.07446	6.2972	47.339	.09974	15.665	.29188	19.961
#1	.03340	.00187	.00038	5.0520	.00379	.00197	9.9572	.00145	.00141	.01159
#2	.01192	.00194	.00037	5.0573	.00414	.00098	9.9432	.00116	.00141	.01540
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.2**	**61937.**	**5976.9**
Stddev	15.7	204.	21.7
%RSD	.38962	.32884	.36240
#1	4034.3	62081.	5992.3
#2	4012.1	61793.	5961.6

Sample Name: CCV-1351954 Acquired: 4/10/2012 22:11:53 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50694**	**.50204**	**.94552**	**.49641**	**.53664**	**.50359**	**-.00256**	**5.1515**	**.50651**	**.50187**	**.50321**	**.51011**	**2.6826**
Stddev	.01337	.00117	.00206	.00110	.00248	.00038	.00098	.0009	.00087	.00091	.00023	.01540	.0117
%RSD	2.6372	.23232	.21822	.22198	.46209	.07582	38.237	.01764	.17143	.18064	.04472	3.0191	.43651
#1	.51640	.50121	.94697	.49719	.53839	.50332	-.00187	5.1508	.50589	.50122	.50305	.52100	2.6909
#2	.49749	.50286	.94406	.49563	.53488	.50386	-.00326	5.1521	.50712	.50251	.50337	.49922	2.6743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.771**	**1.0631**	**19.500**	**.49848**	**.49813**	**5.1855**	**.50255**	**.97144**	**.94964**	**.00769**	**.98463**	**1.0272**	**5.0815**
Stddev	.083	.0037	.381	.01117	.00007	.0104	.00003	.00172	.00192	.00019	.00444	.0041	.0025
%RSD	.15360	.34775	1.9551	2.2408	.01462	.20089	.00599	.17667	.20214	2.5091	.45064	.40127	.04886
#1	53.830	1.0657	19.770	.50638	.49818	5.1929	.50257	.97265	.94829	.00783	.98149	1.0243	5.0832
#2	53.713	1.0605	19.231	.49058	.49808	5.1782	.50253	.97023	.95100	.00756	.98777	1.0301	5.0797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.874**	**1.0180**	**.52433**	**-.00132**	**.48819**	**1.0445**	**.01373**	**.49807**	**.47242**	**.52988**
Stddev	.005	.0003	.00196	.00020	.01137	.0045	.01577	.01177	.00795	.00343
%RSD	.04886	.03380	.37309	15.241	2.3290	.42845	114.89	2.3638	1.6834	.64659
#1	10.878	1.0177	.52571	-.00147	.49623	1.0414	.00258	.50640	.47805	.53230
#2	10.871	1.0182	.52295	-.00118	.48015	1.0477	.02488	.48975	.46680	.52746
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4089.4**	**64040.**	**6009.7**
Stddev	2.0	1230.	24.3
%RSD	.04893	1.9204	.40509
#1	4090.9	63171.	6027.0
#2	4088.0	64910.	5992.5

Sample Name: CCB Acquired: 4/10/2012 22:14:06 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00126**	**.00095**	**.00035**	**-.00039**	**.00022**	**.00009**	**-.00228**	**-.00029**	**.00017**	**.00000**	**.00005**
Stddev	.00026	.00041	.00210	.00034	.00017	.00002	.00335	.00013	.00002	.00002	.00025
%RSD	20.841	42.840	601.80	85.295	77.301	17.348	147.12	43.362	13.989	1222.0	472.67
#1	.00108	.00124	.00184	-.00063	.00034	.00008	.00009	-.00038	.00016	.00002	.00023
#2	.00145	.00066	-.00114	-.00016	.00010	.00010	-.00465	-.00020	.00019	-.00001	-.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00154**	**.00460**	**.06010**	**.00163**	**.00531**	**.00014**	**.00093**	**.01519**	**-.00016**	**-.00169**	**.00089**
Stddev	.00030	.00201	.02136	.00025	.00163	.00005	.00032	.00356	.00021	.00040	.00041
%RSD	19.431	43.594	35.544	15.148	30.661	39.056	33.964	23.454	128.26	23.730	45.510
#1	-.00133	.00602	.04499	.00146	.00647	.00017	.00071	.01771	-.00031	-.00141	.00061
#2	-.00175	.00318	.07520	.00181	.00416	.00010	.00116	.01267	-.00002	-.00198	.00118
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00277**	**-.00038**	**-.00007**	**-.00186**	**-.00398**	**.00148**	**.00006**	**-.00123**	**.00009**	**-.00120**	**.00893**
Stddev	.00080	.00117	.00627	.00611	.01308	.00025	.00001	.00031	.00006	.00199	.01579
%RSD	28.828	310.90	8857.0	328.92	328.92	17.059	14.844	24.845	65.004	165.58	176.91
#1	.00220	.00045	-.00450	.00246	.00527	.00130	.00006	-.00145	.00014	-.00262	.02009
#2	.00333	-.00120	.00436	-.00618	-.01323	.00166	.00007	-.00102	.00005	.00021	-.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00023**	**.00096**	**.00176**
Stddev	.00004	.00050	.00035
%RSD	17.819	52.296	19.880
#1	.00026	.00131	.00201
#2	.00020	.00060	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4122.8**	**64712.**	**5918.6**
Stddev	3.5	249.	88.2
%RSD	.08426	.38529	1.4902
#1	4120.4	64535.	5856.2
#2	4125.3	64888.	5981.0

Sample Name: CCVL1351959 Acquired: 4/10/2012 22:16:31 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01131**	**.10166**	**.01430**	**.09365**	**.01117**	**.00098**	**.10461**	**.20106**	**.00512**	**.01014**	**.01015**	**.01424**	**.11009**
Stddev	.00052	.00011	.00168	.00075	.00005	.00000	.00103	.00452	.00003	.00015	.00033	.00004	.00087
%RSD	4.6265	.11117	11.767	.80240	.46226	.00087	.98019	2.2489	.49451	1.5030	3.2463	.25317	.78833
#1	.01168	.10174	.01311	.09312	.01113	.00098	.10388	.19786	.00510	.01004	.01038	.01421	.10948
#2	.01094	.10158	.01549	.09418	.01120	.00098	.10533	.20426	.00514	.01025	.00992	.01426	.11071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3454**	F **.01308**	**.20445**	**.01037**	**.01938**	**1.0774**	**.04053**	**2.7259**	**.00990**	**.00527**	F **.00636**	**.01439**	**.49771**
Stddev	.0374	.00199	.00158	.00008	.00055	.0055	.00009	.0048	.00002	.00130	.00064	.00102	.00145
%RSD	1.1163	15.218	.77450	.81830	2.8263	.50586	.23031	.17579	.23514	24.662	9.9981	7.0879	.29230
#1	3.3190	.01449	.20333	.01031	.01976	1.0736	.04060	2.7225	.00988	.00619	.00681	.01367	.49874
#2	3.3718	.01167	.20556	.01043	.01899	1.0813	.04046	2.7293	.00991	.00435	.00591	.01511	.49668
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0651**	**.10190**	**.01066**	**.01501**	**.00969**	**.01636**	**.06720**	**.01019**	**.02071**	**.01603**
Stddev	.0031	.00201	.00006	.00165	.00014	.00064	.00881	.00012	.00062	.00126
%RSD	.29230	1.9760	.58793	11.016	1.4843	3.9421	13.103	1.2194	3.0124	7.8746
#1	1.0673	.10332	.01062	.01384	.00959	.01682	.06097	.01028	.02027	.01514
#2	1.0629	.10047	.01071	.01618	.00979	.01590	.07343	.01010	.02115	.01692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4178.9**	**65570.**	**5985.4**
Stddev	3.8	297.	17.7
%RSD	.09107	.45293	.29606
#1	4181.6	65780.	5972.8
#2	4176.2	65360.	5997.9

Sample Name: CCVH-1351956 Acquired: 4/11/2012 7:23:31 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00177**	**50.650**	**-.00174**	**.00018**	**.00037**	**.00007**	**1.0117**	**-.00835**	**.00013**	**.00010**	**.00012**	**.00549**	**50.852**
Stddev	.00004	.049	.00054	.00011	.00020	.00005	.0022	.00059	.00003	.00021	.00038	.00029	.008
%RSD	2.3713	.09772	31.068	58.462	52.268	74.232	.21415	7.0324	24.276	203.54	320.11	5.2818	.01496
#1	.00180	50.685	-.00212	.00011	.00051	.00003	1.0101	-.00793	.00011	.00025	-.00015	.00528	50.858
#2	.00174	50.615	-.00136	.00026	.00024	.00010	1.0132	-.00876	.00015	-.00005	.00039	.00569	50.847
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03391**	**.00222**	**.01941**	**-.00008**	**-.00062**	**261.76**	**.00179**	**.00205**	**-.00105**	**4.9244**	**-.00464**	**.00517**	**.00808**
Stddev	.03530	.00234	.00053	.00006	.00000	.09	.00006	.00339	.00050	.0172	.00015	.00510	.00702
%RSD	104.08	105.20	2.7306	81.213	.70715	.03546	3.4645	165.35	47.825	.34930	3.1907	98.706	86.928
#1	.05887	.00388	.01979	-.00003	-.00063	261.83	.00184	-.00035	-.00069	4.9123	-.00453	.00877	.01304
#2	.00895	.00057	.01904	-.00012	-.00062	261.70	.00175	.00445	-.00140	4.9366	-.00474	.00156	.00311
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01728**	**.00334**	**.00033**	**4.9295**	**.00102**	**-.00055**	**9.8308**	**.00263**	**.00001**	**.01223**
Stddev	.01502	.00078	.00009	.0140	.00039	.00022	.0096	.00004	.00015	.00175
%RSD	86.928	23.332	26.533	.28413	38.519	39.778	.09741	1.3542	1718.1	14.295
#1	.02790	.00389	.00027	4.9394	.00075	-.00071	9.8240	.00261	.00011	.01346
#2	.00666	.00279	.00039	4.9196	.00130	-.00040	9.8376	.00266	-.00010	.01099
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3973.2**	**61583.**	**6097.1**
Stddev	.3	14.	3.0
%RSD	.00862	.02273	.04845
#1	3973.4	61573.	6099.2
#2	3972.9	61593.	6095.0

Sample Name: CCV-1351954 Acquired: 4/11/2012 7:25:52 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50570**	**.50810**	**.97218**	**.50218**	**.50492**	**.48913**	**-.00141**	**4.9713**	**.50247**	**.50007**	**.49748**	**.50089**	**2.5284**
Stddev	.00134	.00186	.00209	.00159	.00433	.00496	.00443	.0652	.00060	.00017	.00132	.00266	.0166
%RSD	.26516	.36580	.21516	.31564	.85800	1.0145	315.24	1.3120	.11956	.03494	.26447	.53205	.65611
#1	.50475	.50941	.97070	.50106	.50185	.48562	-.00454	4.9251	.50205	.49994	.49655	.49900	2.5166
#2	.50664	.50678	.97365	.50331	.50798	.49264	.00173	5.0174	.50290	.50019	.49841	.50277	2.5401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.275**	**1.0121**	**19.948**	**.49797**	**.49228**	**5.0699**	**.49956**	**.98200**	**.98866**	**.00068**	**.98565**	**1.0091**	**4.8926**
Stddev	.558	.0117	.080	.00220	.00000	.0447	.00135	.00008	.00295	.00087	.00158	.0044	.0576
%RSD	1.0873	1.1579	.40132	.44095	.00021	.88087	.26954	.00850	.29853	126.83	.16046	.43627	1.1770
#1	50.881	1.0038	19.891	.49642	.49228	5.0383	.49861	.98206	.98657	.00007	.98676	1.0060	4.8519
#2	51.669	1.0204	20.005	.49953	.49228	5.1014	.50051	.98194	.99075	.00130	.98453	1.0122	4.9333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.470**	**1.0037**	**.49761**	**-.00196**	**.49104**	**1.0283**	**-.00356**	**.49251**	**.49142**	**.49383**
Stddev	.123	.0005	.00518	.00139	.00269	.0003	.01568	.00268	.00198	.00468
%RSD	1.1770	.04624	1.0409	70.836	.54775	.03152	441.04	.54492	.40230	.94788
#1	10.383	1.0040	.49395	-.00294	.48913	1.0281	.00753	.49061	.49002	.49052
#2	10.557	1.0034	.50127	-.00098	.49294	1.0286	-.01464	.49441	.49282	.49714
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4056.3**	**63276.**	**6101.5**
Stddev	10.1	296.	45.7
%RSD	.24787	.46771	.74925
#1	4049.2	63485.	6133.9
#2	4063.4	63066.	6069.2

Sample Name: CCB Acquired: 4/11/2012 7:28:04 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00011**	**.00123**	**-.00004**	**.00037**	**.00000**	**-.00106**	**-.00335**	**.00008**	**-.00012**	**-.00011**	**-.00074**	**-.00056**
Stddev	.00025	.00007	.00055	.00003	.00003	.0001	.00391	.00342	.00009	.00004	.00012	.00007	.00126
%RSD	56.148	64.293	44.874	78.507	7.6737	1743.7	367.91	102.07	118.35	32.052	106.24	9.4683	223.47
#1	.00062	.00006	.00162	-.00002	.00039	.00005	-.00382	-.00577	.00001	-.00015	-.00020	-.00069	.00033
#2	.00027	.00016	.00084	-.00005	.00035	-.00006	.00170	-.00093	.00014	-.00009	-.00003	-.00079	-.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04104**	**.00181**	**.00130**	**-.00002**	**.00092**	**-.00495**	**.00002**	**-.00082**	**.00107**	**-.00368**	**-.00149**	**.00141**	**.00788**
Stddev	.00946	.00039	.00004	.00003	.00045	.00316	.00010	.00087	.00133	.00083	.00162	.00082	.01227
%RSD	23.051	21.825	3.2174	154.54	48.914	63.876	585.78	106.54	124.69	22.614	108.49	58.416	155.63
#1	.04773	.00153	.00133	-.00004	.00060	-.00719	.00009	-.00020	.00013	-.00427	-.00264	.00083	.01656
#2	.03435	.00209	.00127	.00000	.00123	-.00272	-.00005	-.00143	.00201	-.00309	-.00035	.00199	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01687**	**.00085**	**.00001**	**-.00100**	**.00013**	**-.00141**	**.01022**	**.00010**	**.00057**	**.00040**
Stddev	.02625	.00137	.00000	.00085	.00008	.00040	.02035	.00016	.00016	.00015
%RSD	155.63	160.97	34.029	84.866	59.713	28.153	199.05	158.12	28.035	38.627
#1	.03543	-.00012	.00001	-.00040	.00018	-.00169	-.00417	-.00001	.00069	.00029
#2	-.00169	.00183	.00001	-.00159	.00007	-.00113	.02461	.00022	.00046	.00051
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4085.9**	**64082.**	**6031.6**
Stddev	8.9	125.	50.3
%RSD	.21871	.19581	.83313
#1	4079.6	63993.	6067.2
#2	4092.2	64171.	5996.1

Sample Name: CCVL1351959 Acquired: 4/11/2012 7:30:30 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	**.10686**	**.01670**	**.09420**	**.01075**	**.00101**	**.10632**	**.20323**	**.00525**	**.01054**	**.01017**	**.01511**	**.10450**
Stddev	.00008	.00197	.00223	.00001	.00001	.00000	.00210	.00280	.00010	.00016	.00004	.00008	.00234
%RSD	.75267	1.8481	13.351	.00631	.09470	.26107	1.9719	1.3773	1.8289	1.5277	.42633	.52185	2.2436
#1	.01076	.10546	.01828	.09419	.01074	.00101	.10484	.20521	.00519	.01043	.01014	.01516	.10284
#2	.01065	.10826	.01512	.09420	.01076	.00101	.10780	.20125	.00532	.01065	.01020	.01505	.10616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2388**	F **.01313**	**.21251**	**.01053**	**.01910**	**1.0737**	**.04110**	**2.7467**	**.01051**	**-.00042**	**.00879**	**.01616**	**.47182**
Stddev	.0256	.00122	.00066	.00000	.00028	.0051	.00029	.0118	.00039	.00010	.00008	.00084	.01897
%RSD	.78976	9.2920	.31046	.02327	1.4694	.47385	.69673	.42969	3.7182	23.554	.94974	5.1931	4.0200
#1	3.2207	.01227	.21205	.01053	.01930	1.0773	.04090	2.7383	.01024	-.00035	.00885	.01676	.45841
#2	3.2569	.01399	.21298	.01052	.01890	1.0701	.04131	2.7550	.01079	-.00049	.00873	.01557	.48523
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0097**	**.10059**	**.01035**	**.01582**	**.00949**	**.01566**	**.05617**	**.01012**	**.02098**	**.01515**
Stddev	.0406	.00023	.00005	.00097	.00019	.00037	.01590	.00020	.00034	.00042
%RSD	4.0200	.22400	.49250	6.1604	2.0212	2.3931	28.315	1.9588	1.6245	2.7816
#1	.98100	.10075	.01032	.01513	.00962	.01593	.06742	.01026	.02074	.01486
#2	1.0384	.10043	.01039	.01651	.00935	.01540	.04492	.00998	.02123	.01545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4132.5**	**64582.**	**6107.6**
Stddev	31.6	165.	.0
%RSD	.76448	.25538	.00007
#1	4154.8	64699.	6107.6
#2	4110.1	64466.	6107.6

Sample Name: 280-27276-e-1-b Acquired: 4/11/2012 7:32:53 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 114539 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**15.412**	**-.00062**	**.12081**	**.13022**	**.00077**	**-.00529**	**79.301**	**.00051**	**.00596**
Stddev	.00028	.069	.00050	.00002	.00043	.00001	.00043	.181	.00015	.00010
%RSD	33.541	.44643	81.346	.01664	.33185	.72978	8.1232	.22794	28.838	1.6678
#1	.00064	15.461	-.00026	.12083	.12991	.00077	-.00499	79.429	.00041	.00589
#2	.00104	15.363	-.00097	.12080	.13052	.00076	-.00560	79.173	.00062	.00603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05177**	**.01734**	**14.961**	**6.3559**	**.02605**	**16.035**	**.26730**	**.00660**	W **548.81**	**.02680**
Stddev	.00008	.00005	.029	.0077	.00027	.182	.00249	.00022	1.02	.00056
%RSD	.16090	.31261	.19225	.12199	1.0476	1.1329	.93245	3.2888	.18562	2.1046
#1	.05171	.01730	14.941	6.3504	.02585	15.907	.26554	.00676	548.09	.02640
#2	.05183	.01737	14.981	6.3614	.02624	16.164	.26906	.00645	549.53	.02720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35171**	**.01075**	F **345.21**	**-.00614**	**.05165**	**32.990**	**70.599**	**.00152**	**1.0111**	**.00628**
Stddev	.00097	.00043	1.66	.00180	.00204	.080	.171	.00020	.0022	.00107
%RSD	.27639	4.0038	.48138	29.260	3.9404	.24228	.24228	13.059	.21359	16.980
#1	.35103	.01105	344.03	-.00487	.05309	33.047	70.720	.00138	1.0096	.00553
#2	.35240	.01045	346.39	-.00741	.05021	32.934	70.478	.00166	1.0126	.00704
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49636**	**-.00275**	**.02181**	**.03176**	**.04639**	**.00301**
Stddev	.00400	.00074	.00401	.00010	.00071	.00064
%RSD	.80511	26.978	18.382	.32431	1.5380	21.210
#1	.49354	-.00223	.01898	.03183	.04588	.00256
#2	.49919	-.00328	.02465	.03169	.04689	.00346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3888.2**	**59119.**	**6107.2**
Stddev	18.8	245.	6.2
%RSD	.48282	.41363	.10101
#1	3901.5	59292.	6102.8
#2	3875.0	58946.	6111.6

Sample Name: CCVH-1351956 Acquired: 4/11/2012 7:35:59 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**52.188**	**-.00048**	**.00023**	**.00053**	**.00002**	**1.0102**	**-.00087**	**.00008**	**.00023**	**.00026**	**.00402**	**52.254**
Stddev	.00021	.576	.00483	.00023	.00005	.00007	.0002	.00071	.00018	.00017	.00010	.00023	.297
%RSD	13.692	1.1034	1001.4	100.81	9.6508	310.90	.01778	82.448	236.34	74.750	36.750	5.7665	.56861
#1	.00168	51.780	.00293	.00007	.00049	.00007	1.0103	-.00137	-.00005	.00011	.00033	.00386	52.044
#2	.00138	52.595	-.00390	.00040	.00057	-.00003	1.0100	-.00036	.00020	.00034	.00020	.00418	52.464
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09896**	**.00171**	**.01627**	**-.00005**	**-.00091**	**268.09**	**.00194**	**.00224**	**-.00160**	**4.9542**	**-.00557**	**.00167**	**.00292**
Stddev	.00626	.00088	.00080	.00003	.00012	2.68	.00003	.00005	.00099	.0114	.00032	.00121	.00246
%RSD	6.3244	51.208	4.8887	63.202	12.999	.99991	1.3636	2.4105	61.856	.23053	5.8231	72.602	84.318
#1	.10339	.00233	.01683	-.00007	-.00083	266.20	.00192	.00220	-.00229	4.9461	-.00580	.00081	.00466
#2	.09454	.00109	.01571	-.00003	-.00099	269.99	.00196	.00227	-.00090	4.9623	-.00534	.00252	.00118
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00624**	**.00164**	**.00038**	**4.9604**	**.00195**	**-.00116**	**9.8039**	**.00246**	**.00086**	**.01457**
Stddev	.00526	.00069	.00006	.0569	.00000	.00270	.1024	.00026	.00027	.00105
%RSD	84.318	41.899	15.499	1.1465	.01003	233.47	1.0440	10.642	31.496	7.2199
#1	.00996	.00116	.00034	4.9202	.00195	.00075	9.7316	.00227	.00105	.01383
#2	.00252	.00213	.00043	5.0006	.00195	-.00306	9.8763	.00264	.00067	.01531
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4006.9**	**61929.**	**6003.5**
Stddev	25.8	541.	5.1
%RSD	.64401	.87395	.08497
#1	4025.2	62312.	5999.8
#2	3988.7	61546.	6007.1

Sample Name: CCV-1351954 Acquired: 4/11/2012 7:38:20 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50600**	**.50619**	**.95916**	**.50062**	**.51541**	**.49325**	**-.00221**	**5.0394**	**.50497**	**.50076**	**.49910**	**.50482**	**2.5720**
Stddev	.00169	.00109	.01512	.00003	.00433	.00441	.00016	.0267	.00037	.00076	.00012	.00227	.0280
%RSD	.33431	.21467	1.5759	.00563	.84041	.89360	7.1862	.53070	.07362	.15244	.02308	.44894	1.0882
#1	.50481	.50542	.94847	.50064	.51235	.49013	-.00210	5.0205	.50471	.50022	.49902	.50322	2.5522
#2	.50720	.50696	.96985	.50060	.51847	.49637	-.00232	5.0583	.50524	.50130	.49918	.50642	2.5918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.868**	**1.0369**	**19.865**	**.49779**	**.49338**	**5.1827**	**.49991**	**.97769**	**.97950**	**.01591**	**.98656**	**1.0128**	**5.0111**
Stddev	.270	.0094	.075	.00193	.00016	.0001	.00138	.00266	.00426	.00040	.00033	.0006	.0494
%RSD	.52056	.90168	.37651	.38819	.03296	.00217	.27604	.27175	.43447	2.4902	.03368	.06402	.98645
#1	51.677	1.0303	19.812	.49642	.49349	5.1826	.49894	.97581	.97649	.01619	.98680	1.0124	4.9762
#2	52.059	1.0436	19.918	.49915	.49326	5.1827	.50089	.97957	.98251	.01563	.98633	1.0133	5.0461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.724**	**1.0028**	**.50403**	**-.00094**	**.49027**	**1.0331**	**.01280**	**.49696**	**.48978**	**.50774**
Stddev	.106	.0049	.00437	.00013	.00117	.0002	.00547	.00310	.00086	.00279
%RSD	.98645	.48811	.86661	13.731	.23912	.01874	42.773	.62296	.17584	.54853
#1	10.649	.99936	.50094	-.00085	.48944	1.0332	.00893	.49477	.48917	.50577
#2	10.799	1.0063	.50712	-.00103	.49110	1.0329	.01667	.49915	.49039	.50971
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4057.3**	**63298.**	**6032.7**
Stddev	2.3	132.	11.5
%RSD	.05695	.20894	.19030
#1	4059.0	63392.	6024.6
#2	4055.7	63205.	6040.9

Sample Name: CCB Acquired: 4/11/2012 7:40:32 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00061**	**-.00071**	**-.00019**	**.00046**	**.00001**	**-.00165**	**-.00228**	**.00010**	**-.00001**	**-.00007**	**-.00045**	**.00092**
Stddev	.00020	.00027	.00106	.00005	.00021	.00003	.00326	.00200	.00001	.00011	.00013	.00018	.00027
%RSD	37.658	44.228	148.97	26.776	46.920	301.68	197.79	87.790	11.669	1277.6	189.17	39.654	29.348
#1	.00039	.00080	.00004	-.00015	.00061	-.00001	.00066	-.00086	.00011	-.00009	-.00016	-.00058	.00111
#2	.00067	.00042	-.00146	-.00022	.00030	.00003	-.00395	-.00369	.00009	.00007	.00002	-.00033	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05380**	**.00062**	**.00324**	**-.00005**	**.00084**	**.04385**	**-.00034**	**-.00052**	**.00056**	**.01649**	**-.00020**	**-.00113**	**.00102**
Stddev	.01296	.00094	.00062	.00001	.00053	.00493	.00016	.00002	.00024	.00246	.00158	.00133	.00424
%RSD	24.089	150.88	18.984	13.495	62.963	11.236	45.677	3.8359	42.307	14.899	787.40	118.26	414.06
#1	.04464	-.00004	.00368	-.00006	.00046	.04733	-.00023	-.00050	.00039	.01475	.00092	-.00018	-.00197
#2	.06297	.00129	.00281	-.00005	.00121	.04036	-.00045	-.00053	.00073	.01823	-.00132	-.00207	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.00220**	**.00003**	**.00006**	**-.00003**	**-.00082**	**.02221**	**.00029**	**.00124**	**.00106**
Stddev	.00907	.00025	.00014	.00059	.00004	.00056	.00650	.00000	.00016	.00077
%RSD	414.06	11.524	419.03	1037.8	134.55	68.374	29.268	1.7223	12.656	72.407
#1	-.00423	.00238	.00013	-.00036	.00000	-.00042	.01761	.00029	.00135	.00052
#2	.00861	.00202	-.00006	.00047	-.00005	-.00121	.02681	.00028	.00113	.00160
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4100.8**	**64488.**	**6000.8**
Stddev	14.4	323.	30.1
%RSD	.35024	.50037	.50143
#1	4090.6	64260.	6022.0
#2	4110.9	64716.	5979.5

Sample Name: CCVL1351959 Acquired: 4/11/2012 7:42:57 Type: QC
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.10951**	**.01474**	**.09466**	**.01079**	**.00096**	**.10824**	**.21282**	**.00528**	**.01057**	**.01037**	**.01410**	**.10545**
Stddev	.00038	.00231	.00193	.00050	.00032	.00002	.00200	.00085	.00005	.00003	.00012	.00031	.00267
%RSD	3.5959	2.1119	13.066	.52911	2.9201	2.5287	1.8449	.40036	1.0176	.30682	1.1156	2.2032	2.5289
#1	.01034	.11115	.01338	.09431	.01057	.00094	.10966	.21342	.00524	.01059	.01029	.01388	.10733
#2	.01088	.10787	.01611	.09502	.01101	.00098	.10683	.21222	.00532	.01055	.01045	.01431	.10356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2710**	**.01287**	**.21058**	**.01036**	**.01947**	**1.1221**	**.04180**	**2.7527**	**.01044**	**.02700**	F **.00677**	**.01872**	**.48184**
Stddev	.0443	.00153	.00038	.00015	.00010	.0029	.00009	.0060	.00090	.02108	.00007	.00458	.00361
%RSD	1.3546	11.858	.18033	1.4300	.50418	.25476	.21741	.21919	8.5898	78.078	1.0401	24.459	.74830
#1	3.3023	.01179	.21085	.01025	.01940	1.1241	.04187	2.7484	.00980	.04191	.00682	.02195	.47929
#2	3.2397	.01395	.21031	.01046	.01954	1.1201	.04174	2.7570	.01107	.01209	.00672	.01548	.48439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0311**	**.10097**	**.01048**	**.01451**	**.00960**	**.01606**	F **.09124**	**.01033**	**.02057**	**.01626**
Stddev	.0077	.00033	.00001	.00161	.00017	.00075	.02868	.00016	.00027	.00111
%RSD	.74830	.32660	.08990	11.074	1.7256	4.6981	31.430	1.5633	1.2980	6.8067
#1	1.0257	.10074	.01047	.01338	.00948	.01659	.11151	.01022	.02076	.01704
#2	1.0366	.10120	.01049	.01565	.00971	.01553	.07096	.01045	.02038	.01547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4120.3**	**65733.**	**6080.7**
Stddev	1.7	268.	27.4
%RSD	.04091	.40798	.45008
#1	4121.5	65922.	6061.3
#2	4119.1	65543.	6100.0

Sample Name: Pb 200 Acquired: 4/11/2012 7:50:09 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00046**	**-.00289**	**-.00120**	**.00044**	**.00001**	**-.00125**	**.00128**	**-.00011**	**.00004**
Stddev	.00019	.00021	.00112	.00001	.00001	.00001	.00150	.00497	.00011	.00004
%RSD	26.839	45.166	38.921	1.0050	1.4281	91.850	120.10	388.07	102.89	114.71
#1	.00058	.00032	-.00368	-.00119	.00043	.00002	-.00019	-.00223	-.00003	.00001
#2	.00085	.00061	-.00209	-.00120	.00044	.00000	-.00231	.00480	-.00018	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00024**	**.00522**	**.01448**	**.00237**	**.00452**	**.00016**	**-.00051**	**.01099**	**-.00036**
Stddev	.00003	.00021	.00035	.01155	.00043	.00035	.00001	.00003	.00226	.00026
%RSD	124.78	84.573	6.6320	79.783	18.273	7.8034	7.6071	5.5148	20.608	73.651
#1	.00005	-.00010	.00546	.02264	.00268	.00477	.00017	-.00053	.01259	-.00017
#2	.00000	-.00039	.00497	.00631	.00206	.00428	.00015	-.00049	.00939	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	W **198.68**	**.00769**	**-.00330**	**-.00234**	**.00677**	**.01449**	**.00219**	**.00006**	**-.00042**
Stddev	.00111	.13	.00256	.00011	.00022	.00615	.01316	.00174	.00001	.00144
%RSD	217.09	.06536	33.338	3.4134	9.2240	90.815	90.815	79.548	20.611	346.07
#1	.00027	198.59	.00587	-.00338	-.00249	.00242	.00519	.00096	.00005	-.00143
#2	-.00129	198.77	.00950	-.00322	-.00219	.01112	.02380	.00343	.00007	.00060
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.00300								

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00009**	**.00862**	**.00040**	**.00044**	**-.00085**
Stddev	.00002	.00102	.00147	.00005	.00063	.00093
%RSD	51.611	1072.9	17.012	13.784	143.29	110.07
#1	.00002	-.00062	.00966	.00036	-.00001	-.00151
#2	.00005	.00081	.00758	.00044	.00089	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.8**	**65501.**	**6160.7**
Stddev	8.9	74.	12.8
%RSD	.21367	.11252	.20789
#1	4156.1	65449.	6169.8
#2	4143.5	65553.	6151.7

Sample Name: X Acquired: 4/11/2012 7:52:33 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00016**	**.00118**	**-.00128**	**.00027**	**.00005**	**-.00105**	**-.00334**	**.00024**	**-.00015**
Stddev	.00011	.00009	.00043	.00043	.00007	.00005	.00074	.00075	.00016	.00013
%RSD	15.323	54.188	36.911	33.405	24.804	99.600	70.829	22.449	66.947	90.459
#1	.00077	.00022	.00148	-.00098	.00022	.00002	-.00157	-.00387	.00036	-.00005
#2	.00062	.00010	.00087	-.00158	.00032	.00009	-.00052	-.00281	.00013	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.00065**	**.00138**	W **.00939**	**.00026**	**.00499**	**.00001**	**-.00023**	F **-.01348**	**.00001**
Stddev	.00024	.00020	.00075	.01418	.00036	.00314	.00000	.00041	.00728	.00038
%RSD	181.19	30.945	54.077	151.03	137.73	62.855	28.703	181.86	53.981	2902.8
#1	-.00030	-.00079	.00191	-.00064	.00052	.00721	.00001	.00006	-.01862	.00028
#2	.00004	-.00051	.00085	.01941	.00001	.00277	.00002	-.00051	-.00833	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.00500					.01000	
Low Limit				-.00500					-.01000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00176**	**.00059**	**-.00250**	**-.00065**	**-.00466**	**-.00997**	**.00181**	**.00002**	**-.00020**
Stddev	.00028	.00017	.00314	.00125	.00518	.00503	.01076	.00078	.00004	.00101
%RSD	83.690	9.4469	533.18	49.979	799.32	107.97	107.97	43.074	203.38	504.59
#1	-.00014	.00164	.00281	-.00162	-.00431	-.00110	-.00236	.00126	-.00001	-.00091
#2	-.00053	.00187	-.00163	-.00339	.00301	-.00822	-.01758	.00236	.00005	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00081**	W **.00956**	**.00026**	**-.00005**	**.00020**
Stddev	.00028	.00130	.00901	.00018	.00004	.00109
%RSD	246.38	159.12	94.251	68.684	74.829	533.70
#1	.00008	.00010	.01592	.00013	-.00002	-.00057
#2	-.00031	-.00173	.00319	.00039	-.00008	.00097
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500			
Low Limit			-.00500			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4098.0**	**64300.**	**5965.1**
Stddev	12.2	127.	33.0
%RSD	.29870	.19799	.55398
#1	4106.6	64390.	5941.8
#2	4089.3	64210.	5988.5

Sample Name: X Acquired: 4/11/2012 7:54:59 Type: Unk
Method: 6500_025(v16) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00591**	F **514.08**	**-.00265**	**.00022**	**.00095**	**.00000**	**-.03759**	F **458.17**	**.00024**	**.00197**
Stddev	.00010	.88	.00329	.00051	.00005	.0000	.00044	2.14	.00007	.00003
%RSD	1.6240	.17135	124.01	233.42	4.7992	328.83	1.1826	.46699	29.575	1.4402
#1	.00584	514.70	-.00033	.00057	.00092	.00000	-.03728	459.68	.00029	.00195
#2	.00597	513.46	-.00498	-.00014	.00098	.00000	-.03791	456.65	.00019	.00199
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.00500	.01000						.01000		
Low Limit	-.00500	-.01000						-.01000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00939**	F **.01077**	F **190.95**	F **.03545**	**-.00001**	W **-.00515**	F **18.571**	**-.00257**	W **-.00941**	**.00388**
Stddev	.00015	.00034	.70	.00329	.00210	.00125	.076	.00010	.00518	.00046
%RSD	1.6134	3.1637	.36890	9.2672	29093.	24.272	.40786	3.8014	55.005	11.864
#1	.00928	.01052	191.45	.03313	-.00149	-.00603	18.624	-.00250	-.01308	.00420
#2	.00950	.01101	190.45	.03778	.00148	-.00426	18.517	-.00264	-.00575	.00355
Check ?	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500	.01000	.01000	.01000		.00500	.01000		.00500	
Low Limit	-.00500	-.01000	-.01000	-.01000		-.00500	-.01000		-.00500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00176**	F **.12415**	**-.00427**	**.00171**	F **.02862**	F **.06125**	W **.00562**	F **.02209**	F **11.132**
Stddev	.00173	.00093	.00948	.00292	.00839	.01159	.02480	.00196	.00006	.034
%RSD	622.03	52.643	7.6331	68.490	490.81	40.483	40.483	34.847	.29312	.30748
#1	.00151	.00242	.13085	-.00220	.00764	.02043	.04372	.00700	.02204	11.108
#2	-.00095	.00111	.11745	-.00633	-.00422	.03682	.07879	.00423	.02213	11.156
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Warn	Chk Fail	Chk Fail
High Limit			.01000			.01000	.01000	.00500	.01000	.01000
Low Limit			-.01000			-.01000	-.01000	-.00500	-.01000	-.01000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00382**	W **-.00534**	F **20.135**	W **.00671**	**.00153**	W **.00556**
Stddev	.00072	.00356	.143	.00002	.00024	.00219
%RSD	18.808	66.661	.71104	.32046	15.598	39.465
#1	.00331	-.00282	20.034	.00670	.00136	.00711
#2	.00433	-.00786	20.236	.00673	.00170	.00401
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Warn	Chk Pass	Chk Warn
High Limit		.00500	.01000	.00500		.00500
Low Limit		-.00500	-.01000	-.00500		-.00500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3756.8**	**56657.**	**6181.3**
Stddev	2.8	26.	21.2
%RSD	.07430	.04644	.34320
#1	3758.7	56675.	6166.3
#2	3754.8	56638.	6196.3

ICP Data Review Checklist

TALS BATCH NUMBER: 114853, 114957 - 114961		**Earliest due date:** 4/10/12
Run Date: 4/10/12	**Analyst:** JKH for HEB	**Instrument:** 25
QC programs/Methods Run: 6010C 6010B 200.7		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range in any analyte diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH **Date:** 4/16/12

Comments:

2nd Level Reviewer: [signature] **Date:** 4/11/12

Comments:

Sample Name: ICIS Acquired: 4/2/2012 10:56:47 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00225**	**.00025**	**-.03798**	**-.00038**	**.00137**	**.01910**	**-.00060**	**-.00059**	**.01133**	**.00028**	**-.00021**	**-.00016**
Stddev	.00039	.00014	.00058	.00006	.00019	.00106	.00039	.00016	.00091	.00005	.00009	.00018
%RSD	17.415	54.241	1.5306	16.915	13.537	5.5467	65.990	26.463	8.0692	19.352	43.399	112.50
#1	-.00252	.00035	-.03757	-.00043	.00124	.01835	-.00032	-.00048	.01198	.00031	-.00027	-.00003
#2	-.00197	.00016	-.03839	-.00034	.00150	.01985	-.00088	-.00070	.01068	.00024	-.00014	-.00029

Elem	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00498**	**.00086**	**.00209**	**.03252**	**-.01520**	**.00046**	**.00100**	**.00010**	**.02021**	**-.02598**	**-.00067**	**.00016**
Stddev	.00027	.00033	.00025	.00125	.00046	.00068	.00097	.00002	.00116	.00162	.00005	.00014
%RSD	5.3877	37.981	11.993	3.8539	3.0567	149.56	97.312	23.199	5.7272	6.2459	7.6792	85.215
#1	.00479	.00109	.00226	.03164	-.01488	-.00003	.00031	.00012	.01939	-.02712	-.00063	.00026
#2	.00517	.00063	.00191	.03341	-.01553	.00094	.00169	.00009	.02103	-.02483	-.00070	.00006

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00006**	**-.00053**	**-.00012**	**.00049**	**.00204**	**.00005**	**-.00403**	**.00034**	**.00003**	**-.00010**	**.00058**	**.00088**
Stddev	.00028	.00000	.00025	.00009	.00035	.00006	.00015	.00050	.00023	.00009	.00048	.00028
%RSD	496.92	.28696	212.25	18.604	17.221	116.20	3.7228	147.81	647.44	84.148	83.478	32.393
#1	.00014	-.00053	.00006	.00056	.00229	.00001	-.00414	-.00002	-.00012	-.00004	.00024	.00067
#2	-.00026	-.00053	-.00030	.00043	.00179	.00010	-.00393	.00069	.00019	-.00016	.00092	.00108

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00003**	**-.00198**
Stddev	.00002	.00026
%RSD	92.482	12.997
#1	.00001	-.00216
#2	.00004	-.00180

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4330.0**	**61183.**	**4212.2**
Stddev	9.5	11.	39.1
%RSD	.22013	.01870	.92737
#1	4336.7	61192.	4184.6
#2	4323.3	61175.	4239.8

Sample Name: IC1 Acquired: 4/2/2012 10:59:20 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.25746**	**.10740**	**.08979**	**.29843**	**4.9246**	**9.6516**	**2.2855**	**1.5644**	**.90956**	**1.0598**	**.35498**	**1.0941**	**6.0425**
Stddev	.00024	.00058	.00036	.00059	.0190	.0422	.0080	.0022	.00264	.0037	.00025	.0034	.0202
%RSD	.09358	.53966	.40579	.19730	.38666	.43675	.35153	.13998	.28986	.35259	.07095	.30665	.33399
#1	.25729	.10699	.09005	.29884	4.9111	9.6218	2.2798	1.5659	.91143	1.0624	.35516	1.0918	6.0282
#2	.25763	.10781	.08953	.29801	4.9380	9.6814	2.2912	1.5628	.90770	1.0571	.35481	1.0965	6.0567

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.5276**	**.83171**	**1.1774**	**.57118**	**2.2115**	**.65261**	**.08008**	**.46854**	**.18683**	**.08461**	**.53219**	**.23628**	**10.164**
Stddev	.0060	.00014	.0001	.00150	.0050	.00146	.00016	.00080	.00017	.00042	.00389	.00072	.037
%RSD	.23716	.01670	.01107	.26248	.22663	.22330	.20517	.17069	.09000	.49975	.73019	.30529	.36078
#1	2.5233	.83181	1.1773	.57224	2.2079	.65364	.08019	.46910	.18695	.08491	.52944	.23679	10.138
#2	2.5318	.83161	1.1775	.57012	2.2150	.65158	.07996	.46797	.18671	.08431	.53494	.23577	10.190

Elem	Ti3349	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.37938**	**.19100**	**.23160**	**.03244**	**.45408**
Stddev	.00055	.00052	.00040	.00000	.00113
%RSD	.14405	.27062	.17187	.00473	.24943
#1	.37900	.19136	.23131	.03244	.45328
#2	.37977	.19063	.23188	.03244	.45488

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4256.1**	**59135.**	**4430.2**
Stddev	5.3	170.	10.5
%RSD	.12462	.28725	.23662
#1	4252.4	59255.	4422.8
#2	4259.9	59015.	4437.6

Sample Name: IC2 Acquired: 4/2/2012 11:01:39 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6.7261**	**.21506**	**.98630**	**3.0575**	**.23511**	**.61263**	**.13321**
Stddev	.0094	.00104	.00229	.0021	.00033	.00035	.00051
%RSD	.14041	.48390	.23206	.06739	.14095	.05742	.37973
#1	6.7328	.21432	.98792	3.0589	.23488	.61288	.13356
#2	6.7194	.21579	.98468	3.0560	.23534	.61239	.13285

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4117.6**	**56908.**	**4386.5**
Stddev	4.7	29.	9.4
%RSD	.11394	.05025	.21371
#1	4120.9	56887.	4379.9
#2	4114.3	56928.	4393.2

Sample Name: S1-1338460 Acquired: 4/2/2012 11:04:12 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0048**	**1.0270**	**1.9989**	**.99821**	**1.0026**	**1.0011**	**.00360**	**10.059**	**.99955**	**1.0011**	**1.0009**	**1.0007**
Stddev	.0040	.0085	.0077	.00103	.0050	.0046	.00199	.037	.00114	.0009	.0016	.0035
%RSD	.40049	.83011	.38398	.10337	.49791	.46434	55.218	.37257	.11412	.09354	.16239	.34726
#1	1.0076	1.0209	2.0043	.99894	1.0061	1.0044	.00219	10.086	1.0004	1.0018	1.0021	1.0031
#2	1.0019	1.0330	1.9935	.99748	.99904	.99784	.00501	10.033	.99874	1.0004	.99978	.99820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0254**	**100.07**	**1.9982**	**40.187**	**1.0030**	**1.0006**	**10.195**	F **10.516**	**1.0020**	**1.9969**	**1.9966**	**.00886**
Stddev	.0404	.33	.0092	.131	.0008	.0013	.058	.269	.0023	.0012	.0004	.00254
%RSD	.80303	.33247	.45977	.32676	.07798	.13282	.57036	2.5536	.23273	.05947	.01859	28.710
#1	5.0539	100.30	2.0047	40.280	1.0035	1.0016	10.236	10.706	1.0037	1.9960	1.9969	.00706
#2	4.9969	99.833	1.9917	40.094	1.0024	.99970	10.154	10.326	1.0004	1.9977	1.9963	.01065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value								10.000				
Range								5.0000%				

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9996**	**1.9890**	**10.016**	**2.0048**	**1.0005**	**-.00374**	**1.0043**	**2.0016**	**.01167**	**1.0037**	**1.0094**	**1.0018**
Stddev	.0018	.0152	.010	.0036	.0042	.00061	.0023	.0062	.00101	.0020	.0041	.0057
%RSD	.09188	.76147	.10462	.18055	.41599	16.383	.22886	.31127	8.6306	.20337	.40819	.56605
#1	2.0009	1.9997	10.023	2.0073	1.0034	-.00418	1.0059	2.0060	.01238	1.0052	1.0123	1.0058
#2	1.9983	1.9783	10.008	2.0022	.99754	-.00331	1.0027	1.9972	.01096	1.0023	1.0065	.99779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4254.4**	**59016.**	**4423.1**
Stddev	.1	53.	12.0
%RSD	.00155	.08944	.27183
#1	4254.4	59054.	4431.6
#2	4254.3	58979.	4414.6

Sample Name: S2-1338466 Acquired: 4/2/2012 11:06:28 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**99.678**	**-.00472**	**.00561**	**.00035**	**.00013**	**1.9857**	**.01940**	**-.00264**	**.00468**	**.00109**	**.00059**	**99.919**
Stddev	.00007	.248	.01037	.00060	.00041	.00004	.0069	.00057	.00075	.00069	.00094	.00026	.264
%RSD	14.113	.24886	219.75	10.706	118.54	30.156	.34727	2.9300	28.333	14.739	86.266	44.348	.26412
#1	.00042	99.503	-.01205	.00518	.00064	.00016	1.9906	.01980	-.00317	.00420	.00043	.00040	99.732
#2	.00051	99.853	.00261	.00603	.00006	.00010	1.9808	.01900	-.00211	.00517	.00176	.00077	100.11
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04361**	**.00373**	**-.04151**	**-.00161**	**-.00050**	**498.02**	**.00456**	**.01175**	**.00070**	**9.9943**	**-.00565**	**-.00040**	**.02455**
Stddev	.01551	.00111	.00367	.00003	.00115	.64	.00069	.00427	.00246	.0085	.00145	.00065	.02187
%RSD	35.559	29.765	8.8528	2.1067	226.91	.12905	15.094	36.318	349.08	.08515	25.665	161.55	89.078
#1	.05457	.00452	-.04411	-.00164	-.00132	497.57	.00407	.00874	-.00104	10.000	-.00667	-.00086	.04001
#2	.03264	.00295	-.03891	-.00159	.00031	498.48	.00504	.01477	.00244	9.9883	-.00462	.00006	.00909
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00744**	**.00067**	**9.9305**	**.01001**	**.00613**	**19.950**	**.01363**	**.00189**	**-.08496**
Stddev	.00191	.00006	.0077	.00025	.00211	.004	.00000	.00025	.00142
%RSD	25.674	8.5198	.07712	2.4712	34.368	.02236	.00220	13.177	1.6759
#1	.00609	.00063	9.9251	.01019	.00464	19.947	.01363	.00171	-.08596
#2	.00879	.00072	9.9359	.00984	.00762	19.953	.01363	.00207	-.08395
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4122.2**	**57110.**	**4398.5**
Stddev	3.7	34.	.3
%RSD	.08895	.05957	.00725
#1	4119.6	57134.	4398.7
#2	4124.8	57086.	4398.3

Sample Name: ICVH-1338471 Acquired: 4/2/2012 11:09:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**39.274**	**-.00152**	**.00186**	**-.00032**	**.00011**	**.51900**	**38.666**	**-.00061**	**.00134**	**.00057**	**.00061**	**77.681**
Stddev	.00027	.092	.00136	.00040	.00031	.00002	.00463	.074	.00024	.00001	.00013	.00050	.237
%RSD	101.51	.23481	89.293	21.745	95.908	20.424	.89224	.19085	39.981	.75033	23.541	81.043	.30448
#1	-.00007	39.208	-.00248	.00157	-.00010	.00009	.51572	38.614	-.00044	.00134	.00067	.00096	77.514
#2	-.00045	39.339	-.00056	.00215	-.00054	.00013	.52227	38.718	-.00078	.00133	.00048	.00026	77.848
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	Chk Pass	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03742**	**.00119**	**-.04191**	**.00013**	**-.00126**	**40.179**	**.00269**	**.00668**	**.00081**	**3.9291**	**-.00366**	**-.00467**	**.01381**
Stddev	.01015	.00132	.00206	.00008	.00029	.306	.00007	.00152	.00228	.0093	.00128	.00151	.01473
%RSD	27.117	110.88	4.9146	62.713	23.418	.76051	2.5234	22.801	283.25	.23765	35.055	32.317	106.64
#1	-.03025	.00212	-.04336	.00007	-.00105	39.963	.00274	.00560	.00242	3.9225	-.00275	-.00360	.02422
#2	-.04460	.00026	-.04045	.00019	-.00147	40.395	.00264	.00776	-.00081	3.9357	-.00457	-.00574	.00340
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**.00063**	**2.9415**	**.00202**	**.00030**	**4.8937**	**.00364**	**2.4771**	**-.02332**
Stddev	.00005	.00008	.0039	.00000	.00035	.0141	.00036	.0078	.00098
%RSD	2.3166	13.211	.13098	.11583	117.78	.28761	9.9866	.31637	4.2005
#1	.00203	.00058	2.9388	.00202	.00005	4.8838	.00390	2.4716	-.02402
#2	.00196	.00069	2.9442	.00202	.00055	4.9037	.00338	2.4827	-.02263
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4303.7**	**59916.**	**4481.5**
Stddev	2.8	27.	14.1
%RSD	.06425	.04556	.31443
#1	4301.7	59936.	4471.6
#2	4305.6	59897.	4491.5

Sample Name: ICV-1332160 Acquired: 4/2/2012 11:13:08 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25143**	F **.26395**	**.24905**	**.24716**	**.25537**	**.24675**	**-.00328**	**2.0245**	**.25423**	**.25797**	**.26076**	**.25670**
Stddev	.00013	.00125	.00363	.00114	.00013	.00042	.00187	.0071	.00032	.00073	.00001	.00117
%RSD	.05221	.47182	1.4560	.46116	.05025	.16834	56.969	.34892	.12682	.28255	.00365	.45652
#1	.25152	.26484	.24649	.24797	.25546	.24704	-.00461	2.0295	.25400	.25745	.26076	.25587
#2	.25133	.26307	.25162	.24636	.25528	.24646	-.00196	2.0195	.25445	.25848	.26075	.25753
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.0000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25925**	**20.080**	**.25791**	**9.9527**	**.25771**	**.25232**	**2.0486**	**.25991**	**1.9528**	**.25874**	**.00446**	**.24863**
Stddev	.00310	.071	.00060	.0066	.00023	.00088	.0201	.00061	.0060	.00062	.00015	.00110
%RSD	1.1954	.35113	.23423	.06608	.09119	.34918	.98109	.23484	.30827	.23981	3.2680	.44357
#1	.25706	20.030	.25833	9.9574	.25754	.25169	2.0343	.25948	1.9486	.25830	.00456	.24941
#2	.26144	20.130	.25748	9.9481	.25787	.25294	2.0628	.26034	1.9571	.25917	.00436	.24785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49168**	**2.0218**	**.51127**	**.25558**	**-.00656**	**.25008**	**.52434**	**-.00980**	**.25393**	**.25008**	**.24530**
Stddev	.00036	.0243	.00134	.00004	.00070	.00042	.00034	.01063	.00055	.00019	.00116
%RSD	.07387	1.2024	.26116	.01497	10.669	.16932	.06403	108.46	.21604	.07668	.47159
#1	.49194	2.0390	.51032	.25555	-.00607	.25038	.52458	-.01732	.25354	.24995	.24448
#2	.49142	2.0046	.51221	.25560	-.00706	.24978	.52410	-.00228	.25432	.25022	.24611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4261.7**	**60500.**	**4467.3**
Stddev	.3	107.	9.6
%RSD	.00798	.17666	.21446
#1	4261.9	60425.	4460.6
#2	4261.4	60576.	4474.1

Sample Name: ICVL1341782 Acquired: 4/2/2012 11:15:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.10441**	**.01561**	**.09953**	**.00934**	**.00109**	**.11122**	**.20124**	**.00515**	**.01015**	**.01036**
Stddev	.00035	.00108	.00077	.00021	.00013	.00003	.00202	.00261	.00001	.00015	.00015
%RSD	3.4796	1.0390	4.9100	.21277	1.3528	2.4994	1.8171	1.2974	.27577	1.4849	1.4539
#1	.00970	.10518	.01616	.09968	.00943	.00111	.11265	.19940	.00516	.01004	.01025
#2	.01019	.10365	.01507	.09938	.00925	.00107	.10979	.20309	.00514	.01026	.01046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01511**	**.09902**	**2.8920**	F **.01334**	**.18756**	**.00994**	**.02017**	**.99070**	**.04215**	**2.9291**	**.00947**
Stddev	.00028	.00069	.0327	.00025	.00016	.00003	.00010	.00825	.00035	.0016	.00134
%RSD	1.8380	.69512	1.1303	1.9018	.08764	.33190	.48207	.83249	.82700	.05459	14.129
#1	.01491	.09853	2.8688	.01352	.18768	.00991	.02010	.98487	.04190	2.9302	.01042
#2	.01531	.09950	2.9151	.01316	.18744	.00996	.02024	.99654	.04239	2.9280	.00853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.01077**	**.01208**	**.48603**	**.10346**	**.01018**	F **.00742**	**.00964**	W **.01813**	**.05667**	**.00937**
Stddev	.00556	.00151	.00186	.01147	.00004	.00003	.00132	.00006	.00210	.01586	.00030
%RSD	435.03	13.976	15.386	2.3600	.04286	.28630	17.752	.58557	11.578	27.992	3.1784
#1	-.00265	.01184	.01077	.47792	.10343	.01016	.00835	.00968	.01665	.06789	.00958
#2	.00521	.00971	.01340	.49415	.10350	.01020	.00649	.00960	.01962	.04545	.00915
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value							.01500		.01500		
Range							-30.000%		20.000%		

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02231**	**.01646**
Stddev	.00025	.00065
%RSD	1.1361	3.9675
#1	.02213	.01692
#2	.02249	.01599
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4360.4**	**61487.**	**4507.2**
Stddev	1.2	65.	2.7
%RSD	.02760	.10610	.05891
#1	4361.3	61533.	4509.1
#2	4359.6	61441.	4505.4

Sample Name: CCVH-1338467 Acquired: 4/2/2012 11:18:05 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**50.273**	**.00160**	**.00056**	**-.00035**	**.00011**	**1.0120**	**.00391**	**-.00173**	**.00182**	**.00055**	**.00076**	**50.475**
Stddev	.00019	.197	.00062	.00044	.00021	.00005	.0015	.00357	.00002	.00002	.00006	.00056	.366
%RSD	80.981	.39110	39.127	78.550	60.899	39.870	.14390	91.296	1.2189	1.0101	11.495	73.503	.72602
#1	-.00036	50.412	.00115	.00087	-.00020	.00015	1.0130	.00643	-.00175	.00183	.00051	.00037	50.734
#2	-.00010	50.134	.00204	.00025	-.00050	.00008	1.0110	.00138	-.00172	.00181	.00060	.00116	50.216
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06914**	**.00196**	**-.03346**	**-.00119**	**-.00149**	**252.04**	**.00257**	**.00340**	**-.00049**	**5.0493**	**-.00754**	**-.00536**	**.00485**
Stddev	.01028	.00143	.00185	.00007	.00011	.99	.00034	.00258	.00033	.0040	.00037	.00098	.00120
%RSD	14.862	73.213	5.5411	5.9620	7.0577	.39367	13.140	75.785	67.256	.07901	4.8958	18.289	24.737
#1	-.06188	.00094	-.03215	-.00124	-.00141	252.74	.00281	.00158	-.00026	5.0465	-.00780	-.00605	.00400
#2	-.07641	.00297	-.03477	-.00114	-.00156	251.34	.00234	.00523	-.00073	5.0521	-.00728	-.00466	.00569
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00283**	**.00052**	**4.9804**	**.00451**	**.00236**	**10.152**	**.00677**	**.00240**	**-.04107**
Stddev	.00037	.00009	.0165	.00005	.00059	.014	.00030	.00030	.00110
%RSD	13.072	17.261	.33183	1.0649	25.152	.13457	4.4967	12.461	2.6835
#1	.00256	.00058	4.9687	.00455	.00194	10.142	.00656	.00219	-.04029
#2	.00309	.00045	4.9921	.00448	.00278	10.161	.00699	.00262	-.04185
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4263.2**	**59321.**	**4488.7**
Stddev	.6	126.	12.6
%RSD	.01385	.21181	.27988
#1	4262.8	59410.	4479.8
#2	4263.6	59232.	4497.6

Sample Name: CCV-1338469 Acquired: 4/2/2012 11:20:30 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50636**	**.51621**	**1.0054**	**.50557**	**.50395**	**.49888**	**.00004**	**5.0540**	**.50611**	**.50815**	**.50566**	**.50271**	**2.5202**
Stddev	.00074	.00723	.0003	.00198	.00352	.00370	.00014	.0389	.00076	.00092	.00144	.00058	.0219
%RSD	.14650	1.3997	.03002	.39244	.69942	.74210	332.32	.76985	.15015	.18049	.28475	.11494	.86747
#1	.50584	.51110	1.0056	.50417	.50146	.49626	-.00006	5.0265	.50557	.50750	.50464	.50312	2.5047
#2	.50689	.52131	1.0052	.50697	.50645	.50150	.00014	5.0815	.50664	.50880	.50668	.50230	2.5356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.995**	**1.0058**	**20.145**	**.50049**	**.50193**	**5.0264**	**.51081**	**1.0070**	**1.0209**	**-.00632**	**1.0031**	**1.0042**	**4.9867**
Stddev	.279	.0064	.009	.00058	.00041	.0089	.00112	.0032	.0012	.00181	.0039	.0008	.0478
%RSD	.55784	.63525	.04553	.11604	.08122	.17664	.21901	.32055	.12138	28.689	.38508	.08241	.95774
#1	49.797	1.0013	20.151	.50090	.50164	5.0201	.51002	1.0047	1.0200	-.00504	1.0004	1.0048	4.9529
#2	50.192	1.0103	20.138	.50008	.50221	5.0326	.51160	1.0093	1.0218	-.00760	1.0058	1.0036	5.0204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0146**	**.50267**	**-.00742**	**.49930**	**1.0361**	**.03714**	**.49999**	**.50447**	**.49836**
Stddev	.0033	.00430	.00019	.00108	.0041	.00324	.00049	.00128	.00001
%RSD	.32638	.85482	2.6031	.21566	.39954	8.7177	.09714	.25346	.00270
#1	1.0123	.49963	-.00729	.50006	1.0391	.03943	.50033	.50356	.49836
#2	1.0169	.50570	-.00756	.49854	1.0332	.03485	.49965	.50537	.49835
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4311.9**	**60457.**	**4489.1**
Stddev	13.4	18.	10.6
%RSD	.31183	.02945	.23664
#1	4321.4	60470.	4496.6
#2	4302.4	60445.	4481.5

Sample Name: ICB Acquired: 4/2/2012 11:22:48 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**-.00067**	**-.00162**	**-.00002**	**-.00041**	**.00010**	**-.00246**	**-.00445**	**.00031**	**-.00006**
Stddev	.00029	.00027	.00154	.00018	.00015	.00003	.00128	.00041	.00010	.00010
%RSD	47.163	40.238	95.091	774.76	37.422	30.498	51.944	9.2908	31.632	162.62
#1	-.00083	-.00048	-.00271	.00011	-.00030	.00012	-.00156	-.00416	.00038	-.00013
#2	-.00041	-.00086	-.00053	-.00015	-.00051	.00008	-.00336	-.00475	.00024	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00014**	**-.00097**	**-.08717**	**.00229**	W **-.02030**	F **-.00058**	**.00071**	**-.02087**	**-.00023**
Stddev	.00031	.00020	.00219	.04315	.00219	.00092	.00002	.00018	.01936	.00026
%RSD	718.03	141.32	224.91	49.499	95.816	4.5216	4.1432	24.713	92.759	109.84
#1	-.00027	-.00028	-.00252	-.05666	.00384	-.02095	-.00060	.00084	-.00718	-.00005
#2	.00018	.00000	.00057	-.11768	.00074	-.01965	-.00057	.00059	-.03456	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.01070	.00051			
Low Limit						-.01070	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00046**	**-.00137**	F **.00645**	W **-.00537**	**-.00306**	**.00064**	**.00021**	**-.00651**	**-.00050**
Stddev	.00063	.00066	.00536	.00166	.00414	.01013	.00040	.00012	.00024	.00033
%RSD	155.78	141.87	391.85	25.701	77.059	330.57	63.692	57.919	3.7269	66.821
#1	.00085	.00093	.00242	.00528	-.00244	.00410	.00092	.00029	-.00634	-.00026
#2	-.00004	.00000	-.00516	.00763	-.00830	-.01023	.00035	.00012	-.00668	-.00073
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00628	.00486					
Low Limit				-.00628	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**-.03242**	**-.00041**	**.00160**	**-.00173**
Stddev	.00032	.00442	.00026	.00010	.00050
%RSD	45.425	13.639	63.649	6.3983	28.978
#1	.00093	-.02929	-.00060	.00168	-.00138
#2	.00048	-.03555	-.00023	.00153	-.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4249.3**	**60845.**	**4432.4**
Stddev	50.5	262.	12.7
%RSD	1.1881	.43075	.28719
#1	4213.6	61030.	4441.4
#2	4285.0	60660.	4423.4

Sample Name: CRI-1341783 Acquired: 4/2/2012 11:25:19 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01051**	**.11463**	**.00913**	**.10553**	**.00517**	**.00112**	W **.12032**	**.21104**	**.00547**	**.00551**	**.01114**
Stddev	.00020	.00022	.00233	.00007	.00013	.00000	.00165	.00196	.00004	.00028	.00003
%RSD	1.9277	.18865	25.538	.06838	2.4446	.06973	1.3727	.92891	.74412	5.0714	.29103
#1	.01066	.11478	.01078	.10548	.00508	.00112	.12148	.21243	.00544	.00532	.01117
#2	.01037	.11447	.00748	.10559	.00526	.00112	.11915	.20966	.00550	.00571	.01112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01101**	**.03277**	**.98623**	W **.01279**	**.19998**	**.00280**	**.01033**	**1.0338**	**.01144**	**1.0446**	**.00291**
Stddev	.00046	.00009	.01377	.00131	.00094	.00005	.00008	.0106	.00002	.0006	.00077
%RSD	4.1880	.26181	1.3960	10.258	.47019	1.7122	.78872	1.0240	.18141	.05718	26.598
#1	.01068	.03271	.99596	.01372	.20065	.00277	.01039	1.0413	.01143	1.0441	.00236
#2	.01133	.03283	.97649	.01186	.19932	.00284	.01027	1.0263	.01146	1.0450	.00345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10556**	**.00955**	F **.00139**	**.50308**	**.02083**	**.00545**	F **.00383**	**.00944**	**.01066**	W **.07514**	**.01013**
Stddev	.00141	.00221	.00264	.01461	.00016	.00003	.00049	.00000	.00029	.03137	.00000
%RSD	1.3313	23.195	190.64	2.9031	.74796	.49110	12.798	.02090	2.7560	41.747	.02212
#1	.10457	.00798	.00325	.51341	.02094	.00547	.00417	.00944	.01046	.09732	.01014
#2	.10656	.01112	-.00048	.49275	.02072	.00543	.00348	.00943	.01087	.05296	.01013
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value			.01000				.01000			.06000	
Range			-50.000%				-50.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.01240**	**.00931**
Stddev	.00061	.00109
%RSD	4.9327	11.747
#1	.01197	.01008
#2	.01283	.00854
Check ?	Chk Warn	Chk Pass
Value	.01000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4367.4**	**61859.**	**4409.7**
Stddev	8.9	54.	123.3
%RSD	.20374	.08725	2.7951
#1	4361.1	61897.	4322.6
#2	4373.7	61821.	4496.9

Sample Name: cri-1342104 Acquired: 4/2/2012 11:31:44 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**-.00187**	**.00095**	**-.00108**	**-.00056**	**.00007**	**-.00407**	**.00123**	**.00005**	**-.00007**
Stddev	.00091	.00030	.00508	.00014	.00040	.00005	.00161	.00025	.00019	.00016
%RSD	113.07	16.193	536.58	12.549	71.040	66.870	39.599	20.407	372.51	222.28
#1	-.00145	-.00165	-.00264	-.00118	-.00085	.00004	-.00521	.00140	.00018	-.00018
#2	-.00016	-.00208	.00454	-.00099	-.00028	.00010	-.00293	.00105	-.00008	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00022**	**-.00326**	**-.07923**	**.00166**	**-.02396**	**-.00051**	**-.00031**	**-.06597**	**-.00007**
Stddev	.0001	.00001	.00151	.01336	.00026	.00518	.00001	.00013	.00619	.00015
%RSD	3597.6	4.2143	46.401	16.862	15.742	21.610	.98061	40.767	9.3826	232.51
#1	-.00011	-.00021	-.00219	-.06978	.00184	-.02029	-.00051	-.00041	-.07035	.00004
#2	.00010	-.00023	-.00433	-.08867	.00148	-.02762	-.00051	-.00022	-.06159	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**-.00020**	**.00021**	**-.00030**	**.00883**	**-.01585**	**-.00034**	**.00022**	**-.00608**	**-.00069**
Stddev	.00231	.00053	.00501	.00165	.00117	.01391	.00060	.00002	.00297	.00034
%RSD	210.49	266.89	2440.8	550.90	13.304	87.775	176.37	8.6956	48.799	48.928
#1	-.00273	-.00058	-.00334	.00087	.00800	-.00601	-.00077	.00020	-.00398	-.00045
#2	.00054	.00018	.00375	-.00147	.00966	-.02568	.00008	.00023	-.00818	-.00092
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**-.00806**	**-.00040**	**.01963**	**-.00110**
Stddev	.00012	.01160	.00003	.00011	.00039
%RSD	22.770	143.87	6.5037	.55699	35.606
#1	-.00062	-.01626	-.00038	.01971	-.00082
#2	-.00045	.00014	-.00042	.01955	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4211.7**	**59352.**	**4299.5**
Stddev	8.4	86.	12.9
%RSD	.19985	.14466	.30069
#1	4217.7	59292.	4308.6
#2	4205.8	59413.	4290.3

Sample Name: ICB Acquired: 4/2/2012 11:35:51 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**-.00153**	**.00178**	**-.00105**	**-.00014**	**.00004**	**-.00095**	**.00066**	**.00011**	**-.00021**	**.00004**
Stddev	.00038	.00020	.00153	.00005	.00025	.00004	.00214	.00581	.00003	.00014	.00023
%RSD	68.803	13.056	86.126	4.4439	178.74	104.53	225.29	874.95	31.853	65.787	510.62
#1	-.00029	-.00167	.00069	-.00109	.00004	.00001	.00056	-.00344	.00008	-.00011	.00020
#2	-.00083	-.00138	.00286	-.00102	-.00032	.00006	-.00246	.00477	.00013	-.00031	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00405**	**-.08715**	**.00152**	F **-.02182**	F **-.00054**	**-.00030**	**-.07658**	**.00000**	**.00126**	**-.00050**
Stddev	.00005	.00064	.02251	.00114	.00140	.00003	.00021	.00274	.00028	.00064	.00250
%RSD	43.961	15.765	25.823	75.157	6.4131	4.9144	69.960	3.5772	23379.	50.807	494.98
#1	.00007	-.00450	-.10307	.00071	-.02083	-.00056	-.00015	-.07465	.00020	.00172	-.00227
#2	.00014	-.00359	-.07124	.00233	-.02281	-.00052	-.00045	-.07852	-.00020	.00081	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.02140	.00051					
Low Limit					-.02140	-.00051					

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00333**	**.00112**	**-.00142**	**.00774**	**-.00036**	**.00012**	**-.00637**	**-.00042**	**-.00065**	**-.00835**	**.00001**
Stddev	.00097	.00080	.00361	.00423	.00048	.00008	.00018	.00026	.00018	.03119	.00038
%RSD	29.103	71.201	253.87	54.681	134.51	69.682	2.7606	63.062	28.544	373.58	3545.0
#1	-.00264	.00056	-.00398	.01073	-.00002	.00006	-.00624	-.00060	-.00052	.01370	.00028
#2	-.00401	.00169	.00113	.00475	-.00070	.00017	-.00649	-.00023	-.00078	-.03040	-.00026
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00023**	**-.00212**
Stddev	.00004	.00044
%RSD	18.010	20.719
#1	.00020	-.00243
#2	.00025	-.00181
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4149.5**	**58857.**	**4202.7**
Stddev	.9	110.	23.2
%RSD	.02062	.18684	.55257
#1	4148.9	58780.	4186.3
#2	4150.1	58935.	4219.1

Sample Name: ICSA-1333972 Acquired: 4/2/2012 12:05:55 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00109**	**505.82**	**-.00300**	W **-.00255**	**-.00010**	**-.00005**	**-.00974**	**481.93**	W **.00090**	**-.00121**
Stddev	.00016	.16	.00184	.00019	.00023	.00009	.00045	.76	.00014	.00018
%RSD	14.203	.03161	61.410	7.5716	233.45	191.28	4.6624	.15716	16.023	14.607
#1	-.00098	505.71	-.00430	-.00241	-.00026	-.00011	-.01006	481.39	.00100	-.00134
#2	-.00120	505.93	-.00170	-.00268	.00006	.00002	-.00942	482.46	.00080	-.00109
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit	.00093			.00156					.00045	
Low Limit	-.00093			-.00156					-.00045	

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00264**	F **.00458**	**192.88**	**-.18931**	**.00122**	**511.42**	F **.00185**	**-.00168**	**-.01969**	F **.00567**
Stddev	.00024	.00037	.04	.04708	.00111	.78	.00012	.00025	.00648	.00014
%RSD	9.0743	8.0466	.02041	24.869	91.001	.15333	6.3426	15.031	32.889	2.5189
#1	.00281	.00432	192.86	-.15602	.00201	511.97	.00176	-.00186	-.01511	.00557
#2	.00247	.00485	192.91	-.22260	.00044	510.86	.00193	-.00150	-.02427	.00577
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit	.00123	.00272					.00051			.00258
Low Limit	-.00132	-.00272					-.00051			-.00258

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00202**	**-.07993**	W **-.00614**	**-.00387**	**.01154**	**-.00140**	F **.00227**	F **-.01753**	F **-.00275**
Stddev	.00248	.00132	.00126	.00185	.00569	.00683	.00214	.00005	.00099	.00020
%RSD	664.52	65.448	1.5815	30.092	147.12	59.200	153.44	2.0782	5.6357	7.2249
#1	.00213	.00108	-.07903	-.00484	.00016	.00671	-.00291	.00224	-.01823	-.00261
#2	-.00138	.00295	-.08082	-.00745	-.00789	.01636	.00012	.00230	-.01683	-.00289
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				.00314				.00060	.01000	.00119
Low Limit				-.00314				-.00060	-.01000	-.00119

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**.01749**	F **.00298**	W **.00571**	**-.00028**
Stddev	.00233	.00604	.00002	.00020	.00008
%RSD	118.58	34.519	.78370	3.4971	28.125
#1	-.00032	.02176	.00299	.00556	-.00022
#2	-.00362	.01322	.00296	.00585	-.00033
Check ?	Chk Pass	None	Chk Fail	Chk Warn	Chk Pass
High Limit			.00222	.00453	
Low Limit			-.00222	-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3971.2**	**53138.**	**4363.6**
Stddev	5.4	10.	12.1
%RSD	.13621	.01818	.27695
#1	3967.3	53131.	4372.1
#2	3975.0	53145.	4355.0

Sample Name: ICSAB-1341784 Acquired: 4/2/2012 12:09:09 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1128**	**515.66**	**2.0632**	**1.9417**	**.51144**	**.49821**	**1.0139**	**489.50**	**1.0520**	**.47153**	**.49341**	**.55669**	**196.33**	**54.331**
Stddev	.0009	.41	.0123	.0034	.00037	.00092	.0075	5.98	.0002	.00053	.00054	.00068	.33	.044
%RSD	.08350	.07867	.59794	.17690	.07185	.18502	.73437	1.2214	.01631	.11195	.10930	.12291	.16640	.08066
#1	1.1122	515.37	2.0545	1.9393	.51118	.49756	1.0192	493.73	1.0522	.47116	.49379	.55717	196.10	54.300
#2	1.1135	515.94	2.0719	1.9441	.51170	.49886	1.0087	485.27	1.0519	.47190	.49303	.55620	196.56	54.362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0722**	**528.16**	**.51768**	**.97256**	**52.592**	**.95119**	**2.0054**	**.94337**	**.96675**	**1.0219**	**5.0712**	**10.573**	**9.1549**	**1.0340**
Stddev	.0029	2.06	.00033	.00013	.226	.00045	.0006	.00295	.00212	.0026	.0061	.031	.0033	.0025
%RSD	.26616	.38944	.06455	.01375	.42970	.04689	.02958	.31219	.21882	.25104	.11988	.29003	.03593	.24437
#1	1.0702	526.71	.51791	.97266	52.752	.95087	2.0058	.94129	.96526	1.0237	5.0755	10.551	9.1573	1.0322
#2	1.0742	529.61	.51744	.97247	52.433	.95150	2.0050	.94545	.96825	1.0201	5.0669	10.594	9.1526	1.0357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0570**	**1.0121**	**8.7081**	**.04830**	**.51707**	**1.0101**	**.97029**
Stddev	.0004	.0008	.0015	.00033	.00096	.0011	.00408
%RSD	.01949	.07581	.01690	.68787	.18509	.10599	.42000
#1	2.0573	1.0126	8.7070	.04806	.51639	1.0094	.97317
#2	2.0567	1.0116	8.7091	.04853	.51775	1.0109	.96740
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3930.4**	**52823.**	**4346.8**
Stddev	8.0	4.	11.6
%RSD	.20437	.00784	.26676
#1	3936.1	52820.	4338.6
#2	3924.8	52825.	4355.0

Sample Name: LRA-1341785 Acquired: 4/2/2012 12:12:08 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0439**	**-.08622**	**10.332**	**9.8758**	**12.372**	**.00204**	**.02276**	**.03474**	**2.1076**	**5.1658**	**10.213**	**10.864**
Stddev	.0041	.00082	.053	.0379	.251	.00002	.00300	.01120	.0101	.0281	.079	.026
%RSD	.20002	.94845	.51565	.38336	2.0255	.86790	13.161	32.248	.48018	.54326	.76955	.23678
#1	2.0468	-.08564	10.369	9.9025	12.195	.00205	.02065	.04267	2.1148	5.1857	10.269	10.882
#2	2.0411	-.08680	10.294	9.8490	12.550	.00202	.02488	.02682	2.1005	5.1460	10.158	10.846
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**526.88**	**-.22755**	**.00116**	**-.12886**	**10.329**	**5.0897**	**-.08454**	**10.525**	**-.00988**	F **10.615**	**-.03894**	**.00769**
Stddev	.63	.04743	.00454	.00092	.067	.0326	.00024	.058	.00216	.037	.00876	.00129
%RSD	.11979	20.843	391.65	.71726	.64532	.64099	.28768	.55375	21.853	.34401	22.501	16.790
#1	526.43	-.19401	-.00205	-.12821	10.281	5.1128	-.08437	10.566	-.00836	10.641	-.04514	.00860
#2	527.33	-.26108	.00437	-.12952	10.376	5.0666	-.08471	10.484	-.01141	10.589	-.03275	.00677
Check ?	Chk Pass	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Fail	None	None
Value										10.000		
Range										5.0000%		

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1391**	**50.064**	**-.01259**	**10.645**	**-.02485**	**10.199**	**5.2364**	**.22217**	**10.335**	**10.193**	**-.00425**
Stddev	.0141	.128	.00043	.038	.00182	.022	.0159	.01444	.025	.035	.00021
%RSD	.27532	.25535	3.4086	.35629	7.3133	.21397	.30328	6.4995	.24487	.34422	5.0163
#1	5.1491	49.973	-.01228	10.672	-.02357	10.214	5.2476	.23238	10.353	10.218	-.00440
#2	5.1291	50.154	-.01289	10.618	-.02614	10.183	5.2252	.21196	10.317	10.168	-.00410
Check ?	None	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4235.2**	**59582.**	**4422.4**
Stddev	1.5	151.	6.1
%RSD	.03444	.25315	.13685
#1	4234.1	59475.	4426.7
#2	4236.2	59688.	4418.1

Sample Name: CCVH-1338467 Acquired: 4/2/2012 12:14:46 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**50.406**	**.00381**	**.02630**	**.00838**	**.00025**	**1.0095**	**.30722**	**-.00152**	**.00258**	**.00197**	**.00524**	**51.689**
Stddev	.00018	.381	.00103	.00330	.00580	.00021	.0016	.40872	.00018	.00007	.00017	.00068	.281
%RSD	22.591	.75569	27.016	12.564	69.144	81.792	.15408	133.04	11.997	2.7118	8.8335	12.950	.54379
#1	.00068	50.136	.00453	.02863	.00428	.00011	1.0106	.01821	-.00139	.00263	.00209	.00572	51.490
#2	.00094	50.675	.00308	.02396	.01248	.00040	1.0084	.59622	-.00164	.00253	.00184	.00476	51.888
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.11576**	**.00336**	**-.03008**	**.00172**	**.00383**	**252.89**	**.00345**	**.00442**	**.00181**	**5.1406**	**-.00904**	**.00076**	**.09184**
Stddev	.00781	.00064	.00297	.00033	.00005	.48	.00027	.00209	.00055	.0230	.00023	.00299	.02812
%RSD	6.7431	19.103	9.8587	19.169	1.1921	.18899	7.9045	47.346	30.681	.44774	2.4890	394.43	30.616
#1	-.11024	.00381	-.02798	.00196	.00386	252.56	.00325	.00294	.00220	5.1243	-.00888	-.00135	.07196
#2	-.12128	.00290	-.03217	.00149	.00379	253.23	.00364	.00591	.00141	5.1569	-.00920	.00287	.11172
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**.00789**	**4.9873**	**.00814**	**.00666**	**10.205**	**.00996**	**.00502**	**-.03337**
Stddev	.00040	.00515	.0170	.00087	.00032	.046	.00122	.00027	.00170
%RSD	12.291	65.237	.34010	10.700	4.7686	.45310	12.261	5.2925	5.0816
#1	.00355	.00425	4.9993	.00875	.00644	10.238	.01082	.00483	-.03457
#2	.00299	.01153	4.9753	.00752	.00689	10.172	.00910	.00520	-.03217
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4305.8**	**59549.**	**4480.8**
Stddev	3.0	96.	7.7
%RSD	.06959	.16088	.17238
#1	4307.9	59481.	4475.3
#2	4303.7	59617.	4486.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 12:17:11 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50229**	**.54321**	**1.0188**	**.52353**	**.50151**	**.49996**	**.00376**	**5.0620**	**.50937**	**.50964**	**.50474**	**.50986**	**2.5569**
Stddev	.00042	.00363	.0065	.00081	.00081	.00078	.00263	.0011	.00097	.00007	.00139	.00078	.0032
%RSD	.08418	.66806	.63325	.15466	.16248	.15514	69.754	.02134	.19137	.01413	.27445	.15262	.12402
#1	.50199	.54064	1.0142	.52410	.50208	.50051	.00191	5.0628	.50868	.50969	.50376	.51041	2.5591
#2	.50259	.54577	1.0233	.52295	.50093	.49941	.00562	5.0612	.51006	.50959	.50572	.50931	2.5546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.686**	**1.0118**	**20.540**	**.50466**	**.50630**	**4.9945**	**.51778**	**1.0109**	**1.0312**	**-.00339**	**1.0148**	**1.0280**	**5.0611**
Stddev	.002	.0005	.004	.00007	.00124	.0150	.00116	.0039	.0008	.00501	.0053	.0089	.0084
%RSD	.00398	.04659	.02137	.01316	.24548	.30077	.22428	.38425	.08142	147.74	.52746	.86887	.16541
#1	50.685	1.0114	20.543	.50471	.50542	5.0051	.51696	1.0082	1.0306	-.00694	1.0110	1.0217	5.0551
#2	50.688	1.0121	20.537	.50461	.50718	4.9839	.51860	1.0137	1.0318	.00015	1.0185	1.0343	5.0670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0090**	**.50711**	**-.00372**	**.49974**	**1.0420**	**-.00801**	**.49718**	**.50814**	**.49504**
Stddev	.0052	.00039	.00034	.00075	.0004	.02434	.00013	.00063	.00514
%RSD	.51115	.07766	9.1776	.15000	.04300	303.82	.02684	.12339	1.0378
#1	1.0054	.50683	-.00348	.49921	1.0417	-.02522	.49709	.50769	.49867
#2	1.0127	.50739	-.00396	.50027	1.0423	.00920	.49728	.50858	.49141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4363.8**	**60845.**	**4523.8**
Stddev	7.0	4.	4.3
%RSD	.15930	.00579	.09434
#1	4368.7	60847.	4526.8
#2	4358.9	60842.	4520.8

Sample Name: CCB Acquired: 4/2/2012 12:19:29 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00218**	**.00389**	F **.00895**	**-.00032**	**.00018**	**-.00356**	**.00319**	**.00027**	**-.00039**
Stddev	.00013	.00128	.00079	.00086	.00010	.00007	.00119	.00355	.00016	.00009
%RSD	19.119	58.777	20.305	9.6256	31.365	37.708	33.428	111.39	58.844	23.394
#1	-.00079	.00309	.00445	.00956	-.00025	.00013	-.00441	.00570	.00016	-.00032
#2	-.00060	.00127	.00333	.00834	-.00039	.00023	-.00272	.00068	.00039	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312						
Low Limit				-.00312						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00082**	**.00441**	**-.12661**	W **.00358**	W **-.01410**	W **-.00040**	**.00078**	**-.07305**	**-.00021**
Stddev	.00002	.00052	.00023	.01795	.00036	.00190	.00009	.00011	.00337	.00032
%RSD	5.1477	63.127	5.1513	14.174	10.129	13.475	22.336	14.746	4.6182	154.33
#1	.00039	.00118	.00457	-.13930	.00332	-.01545	-.00034	.00086	-.07544	.00002
#2	.00042	.00045	.00425	-.11392	.00383	-.01276	-.00046	.00070	-.07067	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit					.00261	.01070	.00025			
Low Limit					-.00261	-.01070	-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00012**	**-.00854**	**.00221**	**-.00345**	**-.00049**	**.00061**	W **.00031**	**-.00545**	**-.00048**
Stddev	.00166	.00096	.00354	.00215	.00021	.01703	.00029	.00005	.00041	.00020
%RSD	2019.1	771.82	41.439	97.187	5.9663	3460.0	47.487	17.157	7.5186	41.225
#1	-.00109	-.00055	-.01104	.00069	-.00360	.01155	.00082	.00034	-.00574	-.00063
#2	.00126	.00080	-.00603	.00373	-.00330	-.01254	.00041	.00027	-.00516	-.00034
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.00030		
Low Limit								-.00030		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00881**	**-.00032**	**.00222**	**-.00067**
Stddev	.00087	.00786	.00036	.00024	.00090
%RSD	948.26	89.243	115.09	10.782	133.12
#1	-.00070	-.00325	-.00006	.00239	-.00131
#2	.00052	-.01437	-.00057	.00205	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4312.0**	**61197.**	**4425.6**
Stddev	7.7	171.	.5
%RSD	.17865	.27998	.01138
#1	4306.5	61076.	4426.0
#2	4317.4	61319.	4425.2

Sample Name: CCVL1341782 Acquired: 4/2/2012 12:22:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.11111**	**.01624**	**.10511**	**.00960**	**.00118**	**.11021**	**.20706**	**.00527**	**.01031**	**.01052**
Stddev	.00032	.00150	.00166	.00013	.00013	.00001	.00323	.00138	.00010	.00010	.00007
%RSD	3.1787	1.3465	10.202	.11897	1.3258	.50656	2.9282	.66491	1.9343	1.0090	.67339
#1	.01027	.11005	.01507	.10520	.00969	.00117	.10793	.20608	.00535	.01039	.01047
#2	.00982	.11217	.01741	.10502	.00951	.00118	.11250	.20803	.00520	.01024	.01057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01647**	**.10349**	**2.9251**	W **.01248**	**.19458**	**.01010**	**.02006**	**.92816**	**.04271**	**2.9628**	**.00880**
Stddev	.00017	.00283	.0010	.00182	.00227	.00006	.00014	.00290	.00029	.0015	.00074
%RSD	1.0283	2.7341	.03303	14.548	1.1682	.62314	.69269	.31260	.66934	.05188	8.3945
#1	.01659	.10149	2.9258	.01119	.19298	.01005	.01996	.93022	.04291	2.9617	.00932
#2	.01635	.10549	2.9244	.01376	.19619	.01014	.02015	.92611	.04251	2.9639	.00828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00556**	W **.00758**	F **.00809**	**.49997**	**.10285**	**.01058**	F **.00926**	**.00953**	**.01640**	**.05854**	**.00905**
Stddev	.00177	.00051	.00874	.00749	.00125	.00008	.00119	.00014	.00100	.02219	.00034
%RSD	31.879	6.7558	108.07	1.4977	1.2152	.78084	12.888	1.5165	6.1052	37.902	3.7903
#1	-.00681	.00794	.01427	.50526	.10197	.01052	.01010	.00963	.01569	.04285	.00929
#2	-.00431	.00722	.00191	.49468	.10373	.01064	.00841	.00943	.01711	.07424	.00881
Check ?	None	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000	.01500				.01500				
Range		-20.000%	-30.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02250**	**.01702**
Stddev	.00037	.00201
%RSD	1.6543	11.833
#1	.02276	.01844
#2	.02224	.01559
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4394.4**	**62110.**	**4488.2**
Stddev	1.6	102.	7.7
%RSD	.03653	.16353	.17178
#1	4395.5	62182.	4493.7
#2	4393.2	62038.	4482.8

Sample Name: MB 280-113656/1-A Acquired: 4/2/2012 12:24:31 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**.00751**	**-.00004**	F **.01562**	**-.00027**	**.00006**	**-.00186**	**.05219**	**.00014**	**-.00038**
Stddev	.00028	.00051	.00568	.00045	.00021	.00000	.00236	.00762	.00006	.00003
%RSD	31.763	6.8231	13951.	2.8738	78.835	2.4361	126.98	14.596	46.918	8.0228
#1	-.00069	.00787	.00397	.01593	-.00042	.00006	-.00352	.04681	.00009	-.00036
#2	-.00109	.00715	-.00406	.01530	-.00012	.00006	-.00019	.05758	.00018	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00096**	**.02960**	**-.11384**	**.00273**	**-.00904**	**-.00039**	**.00005**	**.12314**	**.00001**
Stddev	.00005	.00001	.01049	.02956	.00122	.00066	.00003	.00022	.00130	.00004
%RSD	21.856	.83510	35.451	25.964	44.574	7.2893	7.5856	434.63	1.0566	395.31
#1	.00027	.00095	.02218	-.13474	.00360	-.00857	-.00041	-.00011	.12222	-.00002
#2	.00020	.00096	.03702	-.09294	.00187	-.00951	-.00037	.00021	.12406	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00431**	**-.00028**	**.01739**	**.00033**	**-.00490**	W **.06381**	**.01360**	**.00033**	W **-.00628**	**-.00029**
Stddev	.00226	.00061	.00743	.00114	.00056	.00323	.00039	.00024	.00053	.00018
%RSD	52.392	217.14	42.751	351.50	11.471	5.0659	2.8611	72.451	8.4598	62.400
#1	.00271	.00015	.01213	.00113	-.00450	.06153	.01388	.00016	-.00665	-.00042
#2	.00590	-.00072	.02264	-.00048	-.00530	.06610	.01333	.00050	-.00590	-.00016
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						.05000			.00500	
Low Limit						-.05000			-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.01263**	**-.00055**	**.00202**	**-.00195**
Stddev	.00116	.01413	.00021	.00034	.00105
%RSD	268.19	111.92	39.111	16.773	54.099
#1	.00126	-.02262	-.00040	.00178	-.00120
#2	-.00039	-.00263	-.00070	.00226	-.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4415.7**	**62747.**	**4518.1**
Stddev	3.3	193.	17.5
%RSD	.07576	.30694	.38657
#1	4418.1	62883.	4530.4
#2	4413.4	62610.	4505.7

Sample Name: LCS 280-113656/2-A Acquired: 4/2/2012 12:27:02 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05062**	**2.0923**	**1.0293**	**1.1000**	**2.0540**	**.05160**	**2.0891**	**50.890**	**.10496**	**.50643**
Stddev	.00045	.0104	.0073	.0019	.0058	.00023	.0039	.202	.00014	.00120
%RSD	.89736	.49701	.71346	.16880	.28384	.44789	.18862	.39652	.13139	.23745
#1	.05094	2.0850	1.0345	1.1013	2.0498	.05144	2.0918	50.748	.10506	.50728
#2	.05030	2.0997	1.0241	1.0986	2.0581	.05176	2.0863	51.033	.10486	.50558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20602**	**.26332**	**1.0612**	**52.116**	**1.0388**	**50.501**	**.51689**	**1.0375**	**52.382**	**.51699**
Stddev	.00037	.00077	.0025	.170	.0001	.068	.00035	.0020	.050	.00102
%RSD	.18012	.29280	.23194	.32649	.01242	.13526	.06795	.18860	.09588	.19753
#1	.20628	.26386	1.0595	51.996	1.0387	50.549	.51664	1.0389	52.347	.51772
#2	.20576	.26277	1.0629	52.236	1.0389	50.453	.51714	1.0361	52.418	.51627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.477**	**.51353**	**.02177**	**.51061**	**2.0344**	**2.5992**	**2.0210**	**1.0465**	**1.0105**	**1.0281**
Stddev	.010	.00082	.00343	.00121	.0156	.0084	.0048	.0037	.0029	.0008
%RSD	.09971	.16033	15.732	.23745	.76616	.32301	.23733	.34933	.28734	.07276
#1	10.484	.51411	.02420	.51147	2.0455	2.6051	2.0244	1.0439	1.0126	1.0287
#2	10.470	.51295	.01935	.50975	2.0234	2.5933	2.0176	1.0491	1.0085	1.0276
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0266**	**2.1070**	**.51294**	**.50215**	**.50224**
Stddev	.0066	.0209	.00109	.00002	.00425
%RSD	.32795	.99021	.21315	.00478	.84661
#1	2.0313	2.0922	.51371	.50217	.49924
#2	2.0219	2.1217	.51217	.50213	.50525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4206.8**	**59237.**	**4446.0**
Stddev	4.5	58.	.4
%RSD	.10630	.09810	.00816
#1	4203.6	59278.	4446.2
#2	4209.9	59196.	4445.7

Sample Name: 280-27123-A-1-G Acquired: 4/2/2012 12:29:19 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00616**	**17.399**	**.24611**	**.00871**	**7.3434**	**.00075**	**-.00952**	**7.4839**	**.03958**	**.13326**
Stddev	.00086	.032	.00287	.00081	.0276	.00001	.00152	.0321	.00006	.00045
%RSD	13.984	.18638	1.1644	9.3523	.37556	1.5098	15.995	.42825	.15273	.33418
#1	.00555	17.376	.24813	.00929	7.3239	.00075	-.00844	7.4612	.03954	.13358
#2	.00677	17.422	.24408	.00814	7.3629	.00074	-.01059	7.5066	.03962	.13295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28881**	**1.6921**	W **1809.5**	**1.1194**	**.01211**	**1.5018**	**8.2068**	**.02973**	**.28658**	**.68922**
Stddev	.00037	.0055	6.5	.0134	.00059	.0056	.0752	.00077	.00023	.00166
%RSD	.12643	.32737	.36120	1.1938	4.8461	.37072	.91578	2.6034	.07858	.24052
#1	.28907	1.6882	1804.9	1.1288	.01170	1.4978	8.1537	.02918	.28642	.69039
#2	.28855	1.6960	1814.2	1.1099	.01253	1.5057	8.2600	.03028	.28674	.68804
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1237**	**6.4559**	**11.150**	**.07178**	F **-.04853**	**4.7183**	**2.1567**	**.13022**	F **-.05664**	**.59948**
Stddev	.0058	.0090	.042	.00127	.00266	.0832	.0041	.00068	.00563	.01095
%RSD	.11297	.13947	.37509	1.7686	5.4909	1.7634	.18938	.52213	9.9397	1.8262
#1	5.1278	6.4622	11.180	.07268	-.04665	4.7771	2.1596	.12974	-.05266	.59174
#2	5.1196	6.4495	11.121	.07089	-.05042	4.6595	2.1538	.13070	-.06063	.60722
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					50.000				50.000	
Low Limit					-.01000				-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00533**	**.53306**	**.08748**	W **13.330**	**.00536**
Stddev	.00026	.00031	.00051	.013	.00470
%RSD	4.9195	.05874	.58024	.09613	87.618
#1	-.00552	.53283	.08784	13.321	.00204
#2	-.00515	.53328	.08712	13.339	.00868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4230.4**	**58635.**	**4534.8**
Stddev	4.2	34.	28.9
%RSD	.10005	.05732	.63635
#1	4227.4	58659.	4555.2
#2	4233.4	58612.	4514.4

Sample Name: sd 280-27123-A-1-G@5 Acquired: 4/2/2012 12:31:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	W **3.5587**	**.04942**	**.00317**	**1.4857**	**.00025**	**-.00044**	**1.5712**	**.00830**	**.02875**
Stddev	.00050	.0281	.00150	.00026	.0014	.00008	.00088	.0013	.00023	.00010
%RSD	128.11	.79026	3.0451	8.1336	.09244	33.389	201.63	.08438	2.8008	.35012
#1	.00004	3.5786	.04836	.00335	1.4866	.00019	-.00106	1.5703	.00847	.02882
#2	.00074	3.5388	.05048	.00298	1.4847	.00031	.00019	1.5721	.00814	.02867
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06111**	**.33741**	**373.94**	**.12423**	**.00359**	**.31373**	**1.7572**	**.00582**	**-.04143**	**.15001**
Stddev	.00057	.00016	.27	.00510	.00190	.00059	.0010	.00004	.01706	.00050
%RSD	.93566	.04734	.07185	4.1077	52.982	.18940	.05789	.73457	41.183	.33544
#1	.06070	.33730	374.13	.12062	.00225	.31331	1.7564	.00579	-.02936	.15036
#2	.06151	.33752	373.75	.12784	.00494	.31415	1.7579	.00585	-.05349	.14965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0759**	**1.4265**	**2.3147**	**.01462**	F **-.01175**	**.95129**	**.46512**	**.02680**	**-.00983**	**.11799**
Stddev	.0015	.0035	.0131	.00242	.00112	.00882	.00156	.00029	.00205	.00212
%RSD	.14269	.24337	.56527	16.545	9.4987	.92707	.33470	1.0714	20.861	1.7986
#1	1.0770	1.4240	2.3239	.01291	-.01096	.94505	.46622	.02660	-.01127	.11949
#2	1.0748	1.4289	2.3054	.01633	-.01254	.95752	.46402	.02700	-.00838	.11649
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.08556**	**.01771**	**2.8820**	**-.00119**
Stddev	.00166	.00721	.00036	.0010	.00292
%RSD	239.58	8.4229	2.0277	.03399	245.36
#1	.00048	.08047	.01745	2.8813	-.00326
#2	-.00186	.09066	.01796	2.8827	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4358.2**	**61247.**	**4505.8**
Stddev	1.3	120.	6.6
%RSD	.02963	.19573	.14755
#1	4359.1	61332.	4501.1
#2	4357.3	61162.	4510.5

Sample Name: 280-27123-A-1-H MS Acquired: 4/2/2012 12:34:19 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06054**	**30.786**	**1.2053**	**.93435**	**8.9851**	**.05110**	**2.0440**	**57.422**	**.17514**	**.62640**
Stddev	.00017	.061	.0022	.00070	.0277	.00006	.0062	.163	.00009	.00016
%RSD	.27876	.19927	.18270	.07441	.30818	.12720	.30316	.28324	.05404	.02549
#1	.06042	30.743	1.2037	.93386	8.9655	.05105	2.0396	57.307	.17520	.62628
#2	.06066	30.829	1.2068	.93484	9.0046	.05115	2.0483	57.537	.17507	.62651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73992**	**2.2184**	W **1825.3**	**56.214**	**1.0672**	**49.814**	W **10.107**	**1.0572**	**54.374**	**1.1250**
Stddev	.00171	.0060	4.8	.234	.0016	.111	.045	.0004	.068	.0021
%RSD	.23061	.27231	.26024	.41709	.14739	.22243	.44560	.03611	.12583	.18787
#1	.73871	2.2227	1821.9	56.048	1.0661	49.892	10.139	1.0575	54.326	1.1235
#2	.74112	2.2141	1828.6	56.380	1.0683	49.736	10.075	1.0569	54.423	1.1265
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00				10.000			
Low Limit			40.000				-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.654**	**6.3476**	**10.182**	**.53523**	**1.9184**	**8.1934**	**6.1624**	**1.1649**	**.79065**	**1.8008**
Stddev	.037	.0016	.015	.00143	.0092	.0489	.0090	.0032	.00318	.0206
%RSD	.25017	.02539	.15004	.26629	.47993	.59724	.14579	.27797	.40282	1.1440
#1	14.628	6.3487	10.171	.53423	1.9249	8.1588	6.1688	1.1626	.79291	1.8154
#2	14.680	6.3464	10.193	.53624	1.9119	8.2280	6.1561	1.1672	.78840	1.7862
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7935**	**2.5733**	**.57751**	W **13.224**	**.35230**
Stddev	.0048	.0280	.00169	.024	.00210
%RSD	.26936	1.0894	.29342	.18399	.59509
#1	1.7969	2.5931	.57871	13.241	.35082
#2	1.7901	2.5534	.57631	13.207	.35379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4093.5**	**56779.**	**4463.3**
Stddev	4.5	161.	6.3
%RSD	.11045	.28390	.14175
#1	4090.3	56665.	4467.8
#2	4096.7	56893.	4458.9

Sample Name: 280-27123-A-1-I MSD Acquired: 4/2/2012 12:36:43 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.77994**	**21.298**	**1.3435**	**.89139**	W **18.963**	**.04978**	**2.0265**	**56.102**	**.14524**	**.68614**
Stddev	.00130	.080	.0048	.00040	.057	.00010	.0079	.173	.00051	.00105
%RSD	.16612	.37785	.35756	.04503	.29881	.19275	.38921	.30924	.35393	.15358
#1	.78085	21.241	1.3402	.89167	18.923	.04985	2.0209	55.980	.14560	.68539
#2	.77902	21.355	1.3469	.89110	19.003	.04971	2.0321	56.225	.14487	.68688
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000				12.000					
Low Limit	-.01000				-.01000					

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99247**	**3.3244**	F **3105.7**	**54.862**	**1.0656**	**47.471**	W **13.238**	**1.0853**	**57.167**	**1.7923**
Stddev	.00140	.0158	10.7	.125	.0034	.086	.023	.0008	.587	.0033
%RSD	.14149	.47564	.34479	.22808	.32205	.18208	.17173	.07169	1.0268	.18560
#1	.99147	3.3356	3098.2	54.774	1.0632	47.532	13.254	1.0848	56.752	1.7899
#2	.99346	3.3132	3113.3	54.951	1.0680	47.410	13.221	1.0859	57.582	1.7946
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			2000.0				10.000			
Low Limit			40.000				-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.875**	W **34.289**	**16.868**	**.57673**	**1.8396**	**9.4444**	W **12.119**	**1.3262**	**.75491**	**1.9650**
Stddev	.020	.048	.021	.00296	.0082	.0538	.020	.0029	.00992	.0006
%RSD	.13314	.13915	.12523	.51398	.44779	.57000	.16167	.22190	1.3143	.03126
#1	14.861	34.256	16.853	.57883	1.8338	9.4825	12.105	1.3241	.76193	1.9645
#2	14.889	34.323	16.883	.57464	1.8454	9.4063	12.133	1.3283	.74790	1.9654
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000					10.000			
Low Limit		-.00300					-.05000			

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7253**	**2.9209**	**.61342**	W **17.936**	**.39884**
Stddev	.0002	.0035	.00233	.004	.00552
%RSD	.01392	.11949	.37916	.02095	1.3832
#1	1.7251	2.9185	.61506	17.938	.40274
#2	1.7255	2.9234	.61177	17.933	.39494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3947.3**	**54959.**	**4367.5**
Stddev	1.2	1.	17.6
%RSD	.02977	.00250	.40288
#1	3948.1	54960.	4380.0
#2	3946.5	54958.	4355.1

Sample Name: pds 280-27123-A-1-G Acquired: 4/2/2012 12:39:12 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06023**	**17.988**	**.44825**	**.10322**	**7.3106**	**.05222**	**-.00454**	**27.883**	**.09323**	**.18206**
Stddev	.00059	.014	.00279	.00029	.0052	.00023	.00565	.076	.00016	.00012
%RSD	.97571	.07509	.62204	.27903	.07116	.43197	124.52	.27128	.17488	.06617
#1	.05981	17.998	.45022	.10342	7.3142	.05238	-.00853	27.936	.09334	.18197
#2	.06065	17.979	.44628	.10302	7.3069	.05206	-.00054	27.829	.09311	.18214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33667**	**1.7093**	W **1775.1**	**22.906**	**.12061**	**20.867**	**8.1790**	**.07944**	**24.383**	**.73205**
Stddev	.00041	.0059	3.5	.021	.00092	.051	.0194	.00024	.421	.00144
%RSD	.12263	.34706	.19660	.09160	.76254	.24385	.23678	.30317	1.7263	.19604
#1	.33637	1.7051	1777.6	22.921	.11996	20.831	8.1927	.07927	24.085	.73307
#2	.33696	1.7135	1772.6	22.891	.12126	20.903	8.1653	.07961	24.681	.73104
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1296**	**6.4510**	**11.186**	**.17437**	**.15693**	**9.7372**	**2.2231**	**.18329**	**.15733**	**.62647**
Stddev	.0146	.0005	.002	.00234	.00393	.0570	.0061	.00004	.00368	.00294
%RSD	.20434	.00803	.01765	1.3424	2.5023	.58499	.27335	.02133	2.3359	.46966
#1	7.1193	6.4514	11.188	.17272	.15971	9.6969	2.2274	.18326	.15474	.62855
#2	7.1399	6.4507	11.185	.17603	.15415	9.7774	2.2188	.18332	.15993	.62439
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18650**	**1.0051**	**.13884**	W **13.372**	**.04973**
Stddev	.00059	.0231	.00007	.007	.00103
%RSD	.31764	2.2972	.04905	.05202	2.0639
#1	.18692	1.0214	.13880	13.367	.04900
#2	.18608	.98874	.13889	13.377	.05045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4153.4**	**57736.**	**4470.7**
Stddev	5.3	148.	7.7
%RSD	.12870	.25562	.17260
#1	4157.2	57840.	4465.2
#2	4149.6	57632.	4476.2

Sample Name: 280-27123-A-2-C Acquired: 4/2/2012 12:41:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00794**	**17.054**	**.15762**	**.00853**	**1.3631**	**.00070**	**.03798**	**12.192**	**.06457**	**.06740**
Stddev	.00017	.020	.00252	.00009	.0008	.00000	.00781	.004	.00024	.00009
%RSD	2.0982	.11652	1.5968	1.0442	.05742	.61569	20.565	.03689	.36746	.13909
#1	.00782	17.069	.15940	.00859	1.3626	.00069	.03246	12.188	.06474	.06747
#2	.00806	17.040	.15584	.00847	1.3637	.00070	.04350	12.195	.06440	.06733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18201**	**1.1768**	W **1279.0**	**1.4067**	**.01125**	**1.9793**	**6.7429**	**.01017**	**.22583**	**.27028**
Stddev	.00052	.0026	.6	.0035	.00014	.0078	.0598	.00039	.00209	.00010
%RSD	.28354	.22123	.04577	.24994	1.2289	.39219	.88658	3.8232	.92689	.03826
#1	.18238	1.1750	1278.6	1.4092	.01116	1.9738	6.7006	.00990	.22435	.27021
#2	.18165	1.1786	1279.4	1.4042	.01135	1.9848	6.7851	.01045	.22731	.27036
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9956**	W **14.213**	**8.9439**	**.17048**	F **-.02379**	**4.4448**	**6.7083**	**.05454**	F **-.03035**	**.33933**
Stddev	.0045	.027	.0320	.00174	.00293	.1836	.0160	.00000	.00441	.00138
%RSD	.09053	.19239	.35828	1.0194	12.324	4.1296	.23877	.00456	14.517	.40771
#1	4.9988	14.233	8.9666	.16926	-.02586	4.5746	6.7196	.05454	-.02724	.33835
#2	4.9924	14.194	8.9212	.17171	-.02172	4.3150	6.6969	.05454	-.03347	.34030
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		10.000			50.000				50.000	
Low Limit		-.00300			-.01000				-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00621**	**.33258**	**.08711**	W **18.662**	**.00125**
Stddev	.00297	.01480	.00015	.028	.00165
%RSD	47.808	4.4503	.16705	.15106	132.21
#1	-.00411	.32212	.08701	18.642	.00008
#2	-.00831	.34305	.08722	18.682	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4241.1**	**59409.**	**4478.3**
Stddev	2.7	276.	9.4
%RSD	.06381	.46466	.20945
#1	4243.0	59604.	4471.6
#2	4239.2	59214.	4484.9

Sample Name: CCVH-1338467 Acquired: 4/2/2012 12:44:10 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**50.305**	**-.00262**	**.00261**	**.00016**	**.00003**	**1.0393**	**.00478**	**-.00174**	**.00186**	**.00060**	**.00276**	**51.236**
Stddev	.00075	.099	.00091	.00007	.00025	.00007	.0037	.00151	.00025	.00017	.00002	.00072	.103
%RSD	209.60	.19620	34.642	2.6652	155.17	233.02	.36082	31.514	14.563	9.3354	3.0579	26.084	.20130
#1	.00089	50.235	-.00326	.00256	.00034	.00008	1.0366	.00584	-.00192	.00173	.00059	.00225	51.163
#2	-.00017	50.375	-.00198	.00266	-.00002	-.00002	1.0419	.00371	-.00156	.00198	.00062	.00326	51.309
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05068**	**.00316**	**-.04032**	**-.00090**	**-.00130**	**255.04**	**.00215**	**.00595**	**.00116**	**5.3335**	**-.00379**	**-.00829**	**-.01343**
Stddev	.00380	.00177	.00328	.00006	.00005	.09	.00003	.00182	.00017	.0147	.00122	.00071	.00900
%RSD	7.4913	55.922	8.1386	6.7686	3.7491	.03538	1.3611	30.567	14.895	.27519	32.317	8.5723	67.054
#1	-.05336	.00442	-.03800	-.00086	-.00133	254.98	.00217	.00724	.00128	5.3231	-.00292	-.00880	-.01979
#2	-.04799	.00191	-.04265	-.00094	-.00127	255.11	.00213	.00467	.00103	5.3438	-.00466	-.00779	-.00706
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**.00044**	**4.9770**	**.00397**	**.00046**	**10.112**	**.00745**	**.00358**	**-.03274**
Stddev	.00147	.00008	.0093	.00017	.00126	.015	.00027	.00069	.00317
%RSD	37.290	18.743	.18647	4.1747	274.95	.15316	3.6180	19.134	9.6878
#1	.00290	.00050	4.9704	.00409	.00135	10.123	.00726	.00310	-.03498
#2	.00497	.00038	4.9836	.00386	-.00043	10.101	.00765	.00407	-.03049
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4282.2**	**59067.**	**4399.5**
Stddev	8.9	52.	.2
%RSD	.20858	.08857	.00510
#1	4288.5	59104.	4399.3
#2	4275.9	59030.	4399.6

Sample Name: CCV-1338469 Acquired: 4/2/2012 12:46:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51792**	F **.55479**	**1.0363**	**.52865**	**.50455**	**.50922**	**.00150**	**5.0889**	**.52295**	**.51008**	**.50292**	**.52930**
Stddev	.00114	.01723	.0032	.00115	.00053	.00060	.00313	.0010	.00035	.00055	.00016	.00030
%RSD	.22074	3.1053	.31396	.21780	.10473	.11841	208.83	.01946	.06639	.10841	.03156	.05706
#1	.51873	.54261	1.0386	.52783	.50418	.50879	-.00071	5.0882	.52319	.51047	.50304	.52952
#2	.51711	.56698	1.0340	.52946	.50493	.50965	.00371	5.0896	.52270	.50969	.50281	.52909
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5644**	**51.417**	**1.0297**	**20.993**	**.50616**	**.50312**	**5.0014**	**.51780**	**1.0562**	**1.0425**	**.00019**	**1.0512**
Stddev	.0061	.051	.0031	.031	.00076	.00104	.0193	.00138	.0038	.0033	.00037	.0025
%RSD	.23858	.09935	.29784	.14751	.15074	.20620	.38599	.26733	.35782	.31941	195.41	.23622
#1	2.5600	51.381	1.0276	20.971	.50562	.50386	4.9878	.51878	1.0535	1.0402	.00046	1.0530
#2	2.5687	51.453	1.0319	21.015	.50670	.50239	5.0151	.51682	1.0589	1.0449	-.00007	1.0495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0691**	**5.0743**	**1.0137**	**.51310**	**-.00602**	**.49702**	**1.0627**	**.02634**	**.49309**	**.51138**	**.50118**
Stddev	.0047	.0215	.0016	.00044	.00060	.00074	.0014	.01386	.00082	.00013	.00073
%RSD	.43879	.42336	.15864	.08610	10.034	.14955	.12732	52.603	.16588	.02511	.14599
#1	1.0658	5.0591	1.0125	.51279	-.00559	.49754	1.0636	.03614	.49367	.51129	.50169
#2	1.0725	5.0895	1.0148	.51342	-.00644	.49649	1.0617	.01654	.49251	.51147	.50066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4335.8**	**60429.**	**4375.4**
Stddev	8.4	229.	1.2
%RSD	.19365	.37878	.02741
#1	4329.8	60590.	4374.5
#2	4341.7	60267.	4376.2

Sample Name: CCB Acquired: 4/2/2012 12:48:53 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**-.00048**	**.00303**	**.00126**	**-.00044**	**.00013**	**-.00536**	**-.00270**	**.00028**	**-.00037**
Stddev	.00054	.00013	.00132	.00039	.00014	.00003	.00192	.00151	.00004	.00013
%RSD	114.98	26.948	43.710	31.427	30.747	23.186	35.734	55.793	15.204	35.217
#1	-.00009	-.00039	.00209	.00154	-.00035	.00011	-.00672	-.00163	.00025	-.00046
#2	-.00085	-.00057	.00396	.00098	-.00054	.00016	-.00401	-.00376	.00031	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00092**	**.00193**	**-.04659**	**.00254**	W **-.01924**	W **-.00047**	**.00060**	**-.08385**	**-.00016**
Stddev	.00001	.00070	.00062	.02637	.00220	.00064	.00006	.00005	.00464	.00059
%RSD	20.090	76.317	32.078	56.603	86.597	3.3359	13.698	7.9422	5.5351	360.28
#1	-.00006	.00141	.00237	-.02794	.00410	-.01969	-.00052	.00057	-.08713	-.00058
#2	-.00004	.00042	.00149	-.06523	.00099	-.01879	-.00042	.00064	-.08057	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit						.01070	.00025			
Low Limit						-.01070	-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00054**	**-.00162**	W **.00359**	**-.00237**	**-.00602**	**.00047**	**.00000**	**-.00653**	**-.00022**
Stddev	.00029	.00143	.00187	.00293	.00067	.01950	.00028	.00012	.00109	.00035
%RSD	18.710	261.69	115.40	81.726	28.380	324.13	60.081	20763.	16.771	154.70
#1	.00134	.00046	-.00294	.00566	-.00190	-.01980	.00067	-.00009	-.00730	-.00047
#2	.00175	-.00155	-.00030	.00152	-.00285	.00777	.00027	.00009	-.00575	.00002
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**-.02393**	**-.00024**	**.00134**	**.00041**
Stddev	.00203	.01756	.00024	.00028	.00370
%RSD	155.97	73.357	99.687	20.726	893.48
#1	-.00274	-.01152	-.00040	.00153	.00303
#2	.00013	-.03635	-.00007	.00114	-.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4298.8**	**60860.**	**4339.6**
Stddev	7.4	12.	9.9
%RSD	.17111	.01983	.22796
#1	4293.6	60869.	4332.6
#2	4304.0	60851.	4346.6

Sample Name: CCVL1341782 Acquired: 4/2/2012 12:51:24 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00981**	**.11257**	W **.01902**	**.10504**	**.00938**	**.00113**	**.11497**	**.20242**	**.00550**	**.01047**	**.01032**
Stddev	.00039	.00026	.00274	.00005	.00014	.00007	.00122	.00579	.00001	.00039	.00002
%RSD	3.9311	.22709	14.391	.04932	1.5239	6.2778	1.0652	2.8618	.13279	3.7422	.21727
#1	.01008	.11275	.02096	.10500	.00927	.00118	.11410	.20652	.00550	.01075	.01030
#2	.00953	.11239	.01709	.10507	.00948	.00108	.11583	.19833	.00551	.01020	.01034
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01735**	**.10331**	**3.0630**	F **.01429**	**.19533**	**.00997**	**.02026**	**.93640**	**.04302**	**3.0881**	W **.01121**
Stddev	.00012	.00257	.0094	.00012	.00103	.00015	.00016	.00051	.00008	.0030	.00136
%RSD	.67243	2.4872	.30520	.84043	.52837	1.5171	.78468	.05430	.18320	.09681	12.126
#1	.01744	.10149	3.0564	.01421	.19460	.00986	.02015	.93676	.04296	3.0860	.01025
#2	.01727	.10513	3.0696	.01438	.19606	.01007	.02037	.93604	.04307	3.0902	.01217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value				.01000							.00900
Range				30.000%							20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00553**	F **.01333**	F **.00777**	**.51282**	**.10327**	**.01052**	F **.00795**	**.00938**	**.01648**	**.05485**	**.00907**
Stddev	.00427	.00056	.00073	.01127	.00062	.00021	.00038	.00041	.00065	.00888	.00032
%RSD	77.076	4.1657	9.3794	2.1978	.60513	1.9542	4.7249	4.3641	3.9610	16.191	3.5630
#1	-.00252	.01372	.00829	.52079	.10371	.01038	.00769	.00909	.01695	.06113	.00930
#2	-.00855	.01294	.00726	.50485	.10283	.01067	.00822	.00967	.01602	.04857	.00884
Check ?	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000	.01500				.01500				
Range		30.000%	-30.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02219**	**.01482**
Stddev	.00018	.00314
%RSD	.82228	21.166
#1	.02232	.01704
#2	.02206	.01260
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4363.7**	**61819.**	**4388.0**
Stddev	6.5	32.	5.1
%RSD	.14894	.05133	.11600
#1	4359.1	61841.	4384.4
#2	4368.3	61796.	4391.6

Sample Name: 280-27123-A-3-C Acquired: 4/2/2012 12:53:53 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00534**	**16.630**	**.19116**	**.00051**	**.30815**	**.00058**	**-.00996**	**4.8053**	**.02856**	**.21649**
Stddev	.00074	.114	.00405	.00036	.00202	.00005	.00474	.0082	.00001	.00032
%RSD	13.812	.68302	2.1187	70.233	.65459	8.6415	47.590	.17145	.03926	.14905
#1	.00586	16.711	.18830	.00077	.30958	.00055	-.00661	4.8111	.02856	.21626
#2	.00481	16.550	.19403	.00026	.30672	.00062	-.01331	4.7995	.02855	.21672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41402**	**2.1482**	W **1927.5**	**1.1831**	**.01112**	**1.7459**	**9.9134**	**.05657**	**.22748**	**.74445**
Stddev	.00003	.0156	5.9	.0411	.00096	.0190	.0503	.00021	.00198	.00026
%RSD	.00651	.72430	.30726	3.4730	8.6009	1.0855	.50732	.36875	.86943	.03447
#1	.41404	2.1372	1931.7	1.1540	.01180	1.7593	9.9490	.05643	.22608	.74463
#2	.41400	2.1592	1923.3	1.2122	.01045	1.7325	9.8779	.05672	.22888	.74427
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9515**	**2.2735**	**10.490**	**.06531**	F **-.05009**	**3.9696**	**4.2846**	**.02395**	F **-.07619**	**.32259**
Stddev	.0109	.0064	.008	.00044	.00632	.0543	.0012	.00010	.01230	.01408
%RSD	.27672	.28344	.07716	.67912	12.613	1.3668	.02845	.39969	16.150	4.3650
#1	3.9592	2.2780	10.496	.06562	-.04562	4.0079	4.2837	.02402	-.08489	.31264
#2	3.9438	2.2689	10.485	.06499	-.05455	3.9312	4.2854	.02389	-.06749	.33255
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					50.000				50.000	
Low Limit					-.01000				-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	W **-.01133**	**.53264**	**.07387**	W **17.927**	**.00169**
Stddev	.00136	.01071	.00036	.092	.00031
%RSD	12.022	2.0100	.49085	.51281	18.082
#1	-.01037	.54021	.07361	17.862	.00191
#2	-.01229	.52507	.07412	17.992	.00147
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	5.0000			10.000	
Low Limit	-.01000			-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4151.4**	**58032.**	**4419.4**
Stddev	1.6	61.	7.9
%RSD	.03855	.10496	.17865
#1	4152.5	57989.	4425.0
#2	4150.2	58075.	4413.8

Sample Name: 280-27123-A-4-C Acquired: 4/2/2012 12:56:21 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00286**	**18.786**	**.06907**	**.00610**	**.13843**	**.00053**	**-.00482**	**1.2768**	**.00568**	**.03494**
Stddev	.00051	.027	.00383	.00001	.00016	.00005	.00287	.0041	.00005	.00037
%RSD	17.823	.14415	5.5460	.11776	.11704	9.1155	59.638	.32192	.90582	1.0472
#1	.00250	18.766	.06636	.00611	.13854	.00056	-.00279	1.2797	.00572	.03520
#2	.00322	18.805	.07178	.00610	.13832	.00049	-.00685	1.2739	.00565	.03468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13079**	**.91315**	**431.59**	**1.8100**	**.01286**	**1.8975**	**1.4755**	**.01040**	**.18285**	**.18525**
Stddev	.00008	.00189	.66	.0398	.00159	.0062	.0020	.00018	.00319	.00015
%RSD	.06436	.20646	.15279	2.1997	12.339	.32430	.13678	1.6953	1.7457	.08214
#1	.13073	.91448	431.13	1.8381	.01398	1.9019	1.4741	.01028	.18059	.18514
#2	.13085	.91181	432.06	1.7818	.01174	1.8932	1.4770	.01053	.18511	.18535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7229**	**1.2026**	**5.3326**	**.01788**	F **-.01136**	**4.4363**	**.75706**	**.01115**	W **-.01375**	**.30499**
Stddev	.0096	.0013	.0341	.00185	.00078	.0727	.00165	.00042	.00143	.00361
%RSD	.35305	.10388	.63968	10.320	6.8696	1.6394	.21755	3.7653	10.377	1.1829
#1	2.7161	1.2035	5.3085	.01919	-.01081	4.4877	.75590	.01085	-.01476	.30754
#2	2.7296	1.2018	5.3567	.01658	-.01191	4.3848	.75823	.01145	-.01274	.30244
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					50.000				45.000	
Low Limit					-.01000				-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00262**	**.09076**	**.06352**	**.77466**	**.00297**
Stddev	.00005	.00668	.00043	.00340	.00056
%RSD	1.7842	7.3632	.68434	.43926	18.831
#1	-.00258	.09549	.06322	.77226	.00336
#2	-.00265	.08604	.06383	.77707	.00257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4395.3**	**61672.**	**4496.6**
Stddev	.7	135.	6.6
%RSD	.01702	.21849	.14569
#1	4394.8	61768.	4501.2
#2	4395.8	61577.	4491.9

Sample Name: 280-27123-A-5-C Acquired: 4/2/2012 12:58:47 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00163**	**20.956**	**.08427**	**.00571**	**2.4432**	**.00098**	**.02364**	**1.9263**	**.00661**	**.02955**
Stddev	.00004	.055	.00155	.00048	.0027	.00001	.00083	.0029	.00001	.00028
%RSD	2.7255	.26268	1.8432	8.4293	.11196	1.0801	3.5085	.15215	.16296	.94003
#1	.00167	20.995	.08317	.00605	2.4451	.00098	.02305	1.9283	.00660	.02975
#2	.00160	20.917	.08536	.00537	2.4412	.00097	.02422	1.9242	.00662	.02936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19323**	**.52644**	W **506.36**	**1.7314**	**.01102**	**1.6037**	**2.1213**	**.01823**	**.24760**	**.14559**
Stddev	.00005	.00055	.56	.0197	.00326	.0015	.0007	.00015	.00265	.00030
%RSD	.02759	.10526	.11117	1.1389	29.541	.09579	.03116	.79575	1.0716	.20605
#1	.19327	.52683	506.76	1.7454	.00872	1.6026	2.1208	.01813	.24572	.14538
#2	.19319	.52604	505.96	1.7175	.01332	1.6048	2.1218	.01833	.24948	.14580
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2569**	W **27.688**	**8.1132**	**.03093**	F **-.01234**	**4.8914**	**.35328**	**.05340**	W **-.01392**	**.30514**
Stddev	.0040	.035	.0213	.00060	.00550	.0383	.00063	.00028	.00340	.01904
%RSD	.12381	.12730	.26266	1.9247	44.572	.78274	.17693	.51550	24.451	6.2387
#1	3.2597	27.713	8.1283	.03051	-.01623	4.8643	.35284	.05321	-.01633	.31860
#2	3.2540	27.663	8.0982	.03135	-.00845	4.9184	.35372	.05359	-.01151	.29168
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		10.000			50.000				45.000	
Low Limit		-.00300			-.01000				-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**.13044**	**.05354**	**.86779**	**.00316**
Stddev	.00071	.00191	.00029	.00344	.00167
%RSD	42.760	1.4628	.53257	.39687	52.818
#1	-.00216	.12909	.05334	.86536	.00434
#2	-.00116	.13178	.05375	.87023	.00198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4371.4**	**61486.**	**4486.5**
Stddev	6.0	130.	3.0
%RSD	.13698	.21099	.06622
#1	4367.1	61578.	4484.4
#2	4375.6	61395.	4488.6

Sample Name: 280-27123-A-6-C Acquired: 4/2/2012 13:01:15 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00162**	**40.273**	**.00879**	**.01449**	**.18410**	**.00110**	**-.00341**	**1.3118**	**.00328**	**.01077**
Stddev	.00004	.057	.00021	.00036	.00011	.00009	.00284	.0013	.00007	.00012
%RSD	2.3150	.14105	2.4189	2.5118	.06037	8.0505	83.242	.09559	2.2410	1.1400
#1	-.00159	40.233	.00864	.01474	.18418	.00103	-.00140	1.3127	.00323	.01085
#2	-.00165	40.314	.00894	.01423	.18402	.00116	-.00542	1.3109	.00333	.01068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04371**	**.04306**	**61.643**	**6.0792**	**.06489**	**8.1071**	**.37281**	**.00037**	**.22121**	**.03725**
Stddev	.00006	.00003	.033	.0523	.00135	.0036	.00004	.00018	.01800	.00002
%RSD	.13003	.07072	.05300	.86092	2.0734	.04405	.01193	49.746	8.1366	.05504
#1	.04367	.04308	61.620	6.0422	.06394	8.1096	.37284	.00024	.20848	.03723
#2	.04375	.04303	61.666	6.1163	.06584	8.1046	.37278	.00049	.23393	.03726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3906**	**1.1811**	**1.0798**	**.00186**	W **-.00769**	**6.2821**	**.02544**	**.01129**	**-.00116**	**.50263**
Stddev	.0088	.0005	.0081	.00076	.00185	.0181	.00098	.00003	.00040	.01238
%RSD	.63287	.04134	.74780	40.821	24.016	.28809	3.8550	.22814	34.202	2.4635
#1	1.3969	1.1807	1.0855	.00240	-.00638	6.2949	.02475	.01131	-.00088	.51138
#2	1.3844	1.1814	1.0740	.00132	-.00899	6.2693	.02613	.01127	-.00143	.49387
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.01442**	**.04401**	**.20405**	**.00621**
Stddev	.00070	.04993	.00054	.00142	.00165
%RSD	231.41	346.35	1.2349	.69620	26.641
#1	.00079	-.04972	.04363	.20305	.00504
#2	-.00019	.02089	.04440	.20506	.00738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4452.2**	**61875.**	**4497.0**
Stddev	.1	332.	23.8
%RSD	.00337	.53576	.52954
#1	4452.1	62110.	4513.8
#2	4452.3	61641.	4480.1

Sample Name: 280-27123-A-7-C Acquired: 4/2/2012 13:03:41 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**23.937**	**.01635**	**.01533**	**.38920**	**.00047**	**-.00562**	**4.8167**	**.02202**	**.00659**
Stddev	.00011	.045	.00170	.00016	.00090	.00001	.00135	.0044	.00011	.00009
%RSD	64.123	.18881	10.400	1.0255	.22997	2.2966	23.948	.09051	.52174	1.3495
#1	-.00025	23.905	.01755	.01521	.38856	.00046	-.00467	4.8198	.02194	.00653
#2	-.00009	23.969	.01515	.01544	.38983	.00048	-.00657	4.8137	.02210	.00665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05380**	**.20604**	**108.91**	**1.8462**	**.01275**	**1.6673**	**2.9938**	**.00249**	**.23089**	**.04338**
Stddev	.00002	.00038	.07	.0055	.00150	.0042	.0021	.00031	.00993	.00016
%RSD	.03883	.18304	.06183	.29594	11.793	.25107	.06892	12.610	4.3004	.36682
#1	.05382	.20577	108.86	1.8501	.01382	1.6703	2.9952	.00227	.23791	.04326
#2	.05379	.20630	108.96	1.8424	.01169	1.6644	2.9923	.00272	.22387	.04349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8819**	**1.0501**	**3.7583**	**.00258**	**-.00364**	**8.2258**	**.29971**	**.04055**	**-.00812**	**.48123**
Stddev	.0033	.0002	.0058	.00095	.00111	.0332	.00221	.00038	.00079	.00185
%RSD	.11430	.02095	.15480	36.860	30.419	.40404	.73624	.92505	9.7083	.38434
#1	2.8842	1.0503	3.7542	.00191	-.00443	8.2493	.29815	.04029	-.00756	.47992
#2	2.8796	1.0500	3.7625	.00326	-.00286	8.2023	.30127	.04082	-.00868	.48254
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00262**	**-.00255**	**.03886**	**5.3051**	**.00787**
Stddev	.00062	.02063	.00072	.0008	.00077
%RSD	23.847	807.64	1.8485	.01466	9.7310
#1	-.00218	.01203	.03936	5.3057	.00842
#2	-.00306	-.01714	.03835	5.3046	.00733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4465.6**	**62951.**	**4561.5**
Stddev	3.3	57.	5.3
%RSD	.07370	.08997	.11606
#1	4463.2	62991.	4557.7
#2	4467.9	62911.	4565.2

Sample Name: 280-27123-A-8-C Acquired: 4/2/2012 13:06:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**50.372**	**.00213**	**.01223**	**.11154**	**.00101**	**-.00310**	**1.9660**	**.00323**	**.01347**
Stddev	.00088	.097	.00021	.00018	.00012	.00003	.00012	.0035	.00012	.00026
%RSD	72.612	.19169	9.6352	1.4690	.10687	3.1434	3.7949	.17876	3.7088	1.9315
#1	-.00059	50.304	.00228	.01235	.11145	.00099	-.00318	1.9635	.00332	.01365
#2	-.00184	50.440	.00199	.01210	.11162	.00104	-.00302	1.9684	.00315	.01328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04275**	**.03613**	**45.857**	**5.2718**	**.09534**	**12.094**	**.81429**	**.00015**	**.23116**	**.04408**
Stddev	.00002	.00019	.124	.0086	.00130	.009	.00071	.00014	.00452	.00057
%RSD	.05715	.52094	.26984	.16330	1.3684	.07272	.08758	92.280	1.9558	1.3037
#1	.04273	.03626	45.770	5.2657	.09627	12.101	.81479	.00024	.22796	.04368
#2	.04277	.03600	45.945	5.2779	.09442	12.088	.81378	.00005	.23435	.04449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0668**	**.08708**	**.55759**	**-.00106**	**-.00099**	**3.2962**	**.01128**	**.01193**	**.00010**	**.56140**
Stddev	.0006	.00095	.00193	.00144	.00572	.0493	.00003	.00001	.00215	.00089
%RSD	.05519	1.0941	.34588	135.38	575.54	1.4969	.24240	.07090	2140.9	.15871
#1	1.0672	.08641	.55895	-.00005	-.00504	3.3311	.01126	.01193	-.00142	.56203
#2	1.0664	.08776	.55622	-.00208	.00305	3.2614	.01130	.01194	.00162	.56077
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**-.01798**	**.06177**	**.94976**	**.00547**
Stddev	.00173	.02048	.00044	.00128	.00165
%RSD	161.01	113.94	.71164	.13437	30.214
#1	.00015	-.00349	.06208	.95066	.00430
#2	-.00229	-.03246	.06146	.94886	.00664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4475.6**	**61531.**	**4516.4**
Stddev	3.1	13.	5.0
%RSD	.06889	.02098	.11059
#1	4473.4	61522.	4512.9
#2	4477.8	61540.	4520.0

Sample Name: 280-27123-A-9-C Acquired: 4/2/2012 13:08:29 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**23.156**	**.04948**	**.01707**	**1.2630**	**.00088**	**-.00225**	**2.6475**	**.00861**	**.03558**
Stddev	.00026	.010	.00740	.00046	.0004	.00011	.00080	.0019	.00011	.00004
%RSD	214.41	.04486	14.957	2.7082	.02971	12.657	35.621	.07086	1.2199	.12249
#1	-.00006	23.163	.04425	.01740	1.2628	.00095	-.00282	2.6488	.00854	.03561
#2	.00030	23.149	.05471	.01675	1.2633	.00080	-.00168	2.6462	.00869	.03555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13024**	**1.6890**	**480.40**	**1.5318**	**.01021**	**1.2633**	**1.7609**	**.01358**	**.26397**	**.15245**
Stddev	.00025	.0010	.54	.0300	.00192	.0006	.0020	.00017	.00555	.00013
%RSD	.19076	.06020	.11156	1.9590	18.801	.04941	.11153	1.2162	2.1034	.08236
#1	.13006	1.6898	480.78	1.5530	.01157	1.2628	1.7623	.01370	.26789	.15254
#2	.13041	1.6883	480.02	1.5106	.00886	1.2637	1.7595	.01347	.26004	.15236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8499**	**4.7523**	**5.7927**	**.02115**	F **-.01107**	**4.6749**	**.36720**	**.02804**	W **-.01658**	**.30466**
Stddev	.0061	.0034	.0144	.00369	.00198	.0613	.00023	.00034	.00203	.00123
%RSD	.21251	.07254	.24879	17.433	17.865	1.3112	.06368	1.2145	12.228	.40479
#1	2.8542	4.7547	5.7825	.02375	-.01247	4.7183	.36737	.02828	-.01515	.30554
#2	2.8456	4.7498	5.8028	.01854	-.00967	4.6316	.36704	.02780	-.01802	.30379
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					50.000				45.000	
Low Limit					-.01000				-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00318**	**.10388**	**.04418**	**2.3624**	**.00146**
Stddev	.00189	.02079	.00005	.0008	.00272
%RSD	59.497	20.015	.11442	.03512	185.78
#1	-.00452	.08918	.04422	2.3618	.00339
#2	-.00184	.11858	.04415	2.3630	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4379.5**	**61622.**	**4487.4**
Stddev	10.8	35.	9.3
%RSD	.24668	.05710	.20754
#1	4387.2	61597.	4480.9
#2	4371.9	61646.	4494.0

Sample Name: 280-27123-A-10-C Acquired: 4/2/2012 13:10:57 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00179**	**40.692**	**.00431**	**.01383**	**.14548**	**.00084**	**-.00312**	**1.1893**	**.00253**	**.00501**
Stddev	.00023	.039	.00183	.00104	.00037	.00004	.00136	.0060	.00013	.00010
%RSD	12.710	.09498	42.443	7.5201	.25178	4.4703	43.540	.50168	5.3146	1.9487
#1	-.00195	40.719	.00302	.01457	.14573	.00087	-.00408	1.1935	.00262	.00494
#2	-.00163	40.664	.00561	.01310	.14522	.00081	-.00216	1.1850	.00243	.00508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03912**	**.05587**	**16.413**	**5.7647**	**.04769**	**4.6639**	**.11690**	**.00039**	**.21620**	**.02357**
Stddev	.00015	.00044	.030	.0095	.00177	.0031	.00018	.00005	.00561	.00031
%RSD	.39208	.79164	.18149	.16398	3.7014	.06726	.15176	11.826	2.5927	1.3071
#1	.03922	.05556	16.434	5.7714	.04894	4.6617	.11677	.00042	.22016	.02378
#2	.03901	.05618	16.392	5.7580	.04645	4.6662	.11702	.00036	.21224	.02335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1422**	**.11442**	**1.5671**	**.00102**	**-.00212**	**3.6115**	**.01066**	**.01012**	**.00143**	**.51288**
Stddev	.0026	.00040	.0027	.00088	.00121	.0354	.00008	.00001	.00388	.00383
%RSD	.23108	.34656	.17344	86.160	56.879	.98087	.74191	.14311	271.26	.74762
#1	1.1403	.11414	1.5651	.00165	-.00127	3.6365	.01060	.01013	-.00131	.51559
#2	1.1440	.11470	1.5690	.00040	-.00297	3.5864	.01071	.01011	.00418	.51017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00261**	**-.03137**	**.03923**	**.41131**	**.00485**
Stddev	.00149	.04299	.00002	.00201	.00053
%RSD	57.140	137.04	.05894	.48932	10.983
#1	-.00367	-.00097	.03922	.40989	.00447
#2	-.00156	-.06177	.03925	.41273	.00523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4478.8**	**62186.**	**4489.6**
Stddev	2.7	214.	17.0
%RSD	.05987	.34469	.37818
#1	4480.7	62034.	4477.6
#2	4476.9	62337.	4501.7

Sample Name: CCVH-1338467 Acquired: 4/2/2012 13:13:24 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**50.671**	**-.00734**	**-.00006**	**-.00005**	**.00008**	**1.0368**	**.00955**	**-.00156**	**.00189**	**.00064**	**.00399**	**51.441**
Stddev	.00014	.211	.00344	.00011	.00004	.00007	.0070	.00548	.00012	.00009	.00013	.00018	.083
%RSD	28.094	.41700	46.850	185.55	82.418	85.715	.67786	57.424	7.8678	4.6160	20.502	4.5670	.16142
#1	.00039	50.820	-.00491	-.00014	-.00008	.00003	1.0418	.00567	-.00164	.00183	.00073	.00412	51.499
#2	.00059	50.521	-.00977	.00002	-.00002	.00012	1.0319	.01342	-.00147	.00195	.00055	.00386	51.382
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07761**	**.00278**	**-.04104**	**-.00105**	**-.00137**	**257.96**	**.00226**	**.00467**	**.00145**	**5.3617**	**-.00686**	**-.01312**	**.00988**
Stddev	.02835	.00051	.00007	.00003	.00018	.97	.00015	.00086	.00130	.0018	.00059	.00212	.01609
%RSD	36.534	18.229	.18186	3.3099	12.927	.37617	6.4420	18.385	89.396	.03378	8.5373	16.131	162.81
#1	-.05756	.00314	-.04098	-.00107	-.00150	258.65	.00236	.00528	.00237	5.3630	-.00727	-.01461	-.00149
#2	-.09766	.00243	-.04109	-.00103	-.00125	257.28	.00216	.00406	.00053	5.3605	-.00644	-.01162	.02126
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.00043**	**4.9876**	**.00359**	**.00280**	**10.208**	**.00726**	**.00319**	**-.03187**
Stddev	.00063	.00010	.0010	.00021	.00123	.039	.00036	.00008	.00269
%RSD	22.032	22.567	.02106	5.7794	44.013	.38337	5.0111	2.4899	8.4334
#1	.00240	.00049	4.9868	.00345	.00367	10.236	.00700	.00313	-.03377
#2	.00328	.00036	4.9883	.00374	.00193	10.181	.00751	.00324	-.02997
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4274.6**	**58939.**	**4348.3**
Stddev	1.9	26.	2.7
%RSD	.04367	.04421	.06135
#1	4276.0	58958.	4350.1
#2	4273.3	58921.	4346.4

Sample Name: CCV-1338469 Acquired: 4/2/2012 13:15:49 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51760**	**.54981**	**1.0403**	**.52818**	**.50306**	**.50624**	**-.00082**	**5.0801**	**.52320**	**.50953**	**.50357**	**.52998**	**2.5442**
Stddev	.00105	.00317	.0040	.00146	.00035	.00017	.00063	.0024	.00018	.00056	.00007	.00020	.0015
%RSD	.20340	.57643	.38431	.27557	.06998	.03320	76.942	.04820	.03450	.11006	.01482	.03758	.06009
#1	.51685	.54757	1.0431	.52715	.50281	.50613	-.00037	5.0783	.52333	.50993	.50352	.52984	2.5431
#2	.51834	.55206	1.0375	.52921	.50331	.50636	-.00126	5.0818	.52307	.50913	.50362	.53012	2.5453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.478**	**1.0278**	**21.014**	**.50718**	**.50353**	**4.9756**	**.51752**	**1.0542**	**1.0399**	**-.00560**	**1.0545**	**1.0769**	**5.0644**
Stddev	.092	.0012	.028	.00024	.00115	.0012	.00037	.0004	.0003	.00296	.0039	.0020	.0081
%RSD	.17853	.11201	.13514	.04756	.22921	.02347	.07055	.03987	.03167	52.920	.37167	.18617	.15974
#1	51.543	1.0287	20.994	.50701	.50434	4.9765	.51726	1.0539	1.0402	-.00769	1.0573	1.0783	5.0701
#2	51.413	1.0270	21.034	.50735	.50271	4.9748	.51778	1.0545	1.0397	-.00350	1.0517	1.0755	5.0587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0084**	**.51237**	**-.00538**	**.49799**	**1.0616**	**-.00869**	**.49565**	**.51024**	**.50141**
Stddev	.0042	.00009	.00019	.00050	.0012	.00968	.00077	.00040	.00220
%RSD	.41397	.01686	3.4647	.09941	.10845	111.40	.15509	.07824	.43907
#1	1.0054	.51243	-.00525	.49764	1.0624	-.01553	.49620	.51052	.50297
#2	1.0113	.51230	-.00551	.49834	1.0608	-.00184	.49511	.50996	.49986
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4347.8**	**60539.**	**4394.6**
Stddev	5.6	23.	1.0
%RSD	.12881	.03740	.02163
#1	4351.8	60555.	4395.2
#2	4343.9	60523.	4393.9

Sample Name: CCB Acquired: 4/2/2012 13:18:07 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**-.00045**	**.00076**	**.00011**	**-.00035**	**.00007**	**-.00621**	**.00187**	**.00020**	**-.00028**
Stddev	.00032	.00131	.00044	.00015	.00047	.00004	.00207	.00219	.00000	.00032
%RSD	45.300	291.32	57.893	135.22	133.66	59.647	33.281	117.32	.59114	113.12
#1	-.00095	.00048	.00045	.00021	-.00068	.00010	-.00475	.00032	.00020	-.00051
#2	-.00049	-.00138	.00107	.00000	-.00002	.00004	-.00767	.00342	.00020	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	W **.00173**	**-.00073**	**-.03456**	**.00195**	W **-.02093**	F **-.00057**	**.00075**	F **-.11002**	**-.00043**
Stddev	.00003	.00025	.00132	.00755	.00075	.00212	.00003	.00002	.01875	.00034
%RSD	50.238	14.511	180.92	21.842	38.712	10.111	5.7676	2.0783	17.045	79.867
#1	-.00009	.00190	.00020	-.03989	.00248	-.01943	-.00060	.00074	-.12328	-.00019
#2	-.00004	.00155	-.00166	-.02922	.00141	-.02242	-.00055	.00076	-.09676	-.00068
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00051		.10000	
Low Limit		-.00136				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00221**	**-.00041**	**-.00335**	W **.00567**	**-.00295**	**-.00199**	**.00053**	**.00006**	**-.00542**	W **-.00064**
Stddev	.00057	.00078	.00440	.00147	.00168	.00298	.00006	.00007	.00008	.00034
%RSD	25.651	188.76	131.25	25.980	56.980	149.78	11.419	114.77	1.4771	53.329
#1	-.00181	-.00096	-.00647	.00671	-.00413	-.00410	.00048	.00001	-.00547	-.00088
#2	-.00261	.00014	-.00024	.00463	-.00176	.00012	.00057	.00011	-.00536	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00314						.00060
Low Limit				-.00314						-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**-.03890**	**-.00026**	**.00143**	**-.00140**
Stddev	.00191	.00109	.00016	.00057	.00040
%RSD	383.46	2.7941	60.585	39.575	28.399
#1	-.00185	-.03813	-.00015	.00183	-.00168
#2	.00085	-.03967	-.00037	.00103	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4296.7**	**61198.**	**4313.8**
Stddev	1.0	136.	5.5
%RSD	.02289	.22268	.12741
#1	4297.4	61102.	4317.7
#2	4296.0	61294.	4310.0

Sample Name: CCVL1341782 Acquired: 4/2/2012 13:20:38 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00925**	**.11234**	**.01760**	**.10341**	**.00954**	**.00108**	**.11338**	**.20600**	**.00545**	**.01026**	**.01032**
Stddev	.00068	.00062	.00443	.00018	.00051	.00005	.00043	.00289	.00010	.00013	.00008
%RSD	7.3301	.55050	25.176	.17832	5.3449	4.4900	.37577	1.4009	1.7590	1.2503	.79164
#1	.00877	.11190	.01447	.10328	.00918	.00105	.11308	.20396	.00552	.01035	.01026
#2	.00973	.11277	.02074	.10355	.00990	.00111	.11368	.20804	.00538	.01017	.01038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01753**	**.10262**	**3.0499**	W **.01268**	**.19502**	**.00997**	**.01987**	**.93596**	**.04259**	**3.0824**	**.01030**
Stddev	.00037	.00049	.0022	.00004	.00221	.00003	.00006	.00067	.00009	.0045	.00014
%RSD	2.0832	.47535	.07236	.35005	1.1346	.27983	.32261	.07128	.20498	.14444	1.3144
#1	.01779	.10296	3.0515	.01265	.19346	.00995	.01991	.93549	.04253	3.0792	.01039
#2	.01727	.10227	3.0483	.01271	.19659	.00999	.01982	.93643	.04265	3.0855	.01020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00280**	**.01159**	F **.01028**	**.50796**	**.10326**	**.01051**	F **.00785**	**.00945**	**.01527**	F **.03855**	**.00962**
Stddev	.00241	.00327	.00303	.00245	.00056	.00014	.00206	.00016	.00150	.00623	.00009
%RSD	86.173	28.189	29.431	.48169	.53917	1.3093	26.215	1.6819	9.8543	16.158	.92269
#1	-.00109	.00928	.01242	.50623	.10366	.01042	.00930	.00956	.01420	.04295	.00968
#2	-.00450	.01390	.00814	.50969	.10287	.01061	.00639	.00934	.01633	.03414	.00956
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			.01500				.01500			.06000	
Range			-30.000%				-30.000%			-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02294**	**.01625**
Stddev	.00063	.00266
%RSD	2.7325	16.393
#1	.02250	.01813
#2	.02339	.01437
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4392.2**	**62088.**	**4401.7**
Stddev	1.1	8.	5.9
%RSD	.02446	.01257	.13470
#1	4391.4	62082.	4397.6
#2	4392.9	62093.	4405.9

Sample Name: MB 280-113647/1-A Acquired: 4/2/2012 13:23:08 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**.00226**	**-.00138**	**-.00031**	**.00008**	**.00018**	W **-.00552**	**.04222**	**.00053**	**-.00013**
Stddev	.00057	.00042	.00335	.00033	.00007	.00009	.00152	.00052	.00005	.00028
%RSD	79.258	18.401	243.60	106.78	90.807	51.326	27.483	1.2357	10.107	209.05
#1	-.00032	.00197	.00099	-.00008	.00003	.00024	-.00445	.04185	.00049	.00006
#2	-.00113	.00255	-.00375	-.00054	.00013	.00011	-.00659	.04259	.00057	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00500			
Low Limit							-.00500			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00275**	**.01903**	**-.10832**	**.00374**	**-.01671**	**-.00034**	**-.00006**	**.09806**	**-.00047**
Stddev	.00021	.00016	.00078	.00836	.00012	.00058	.00003	.00015	.00234	.00014
%RSD	1190.3	5.6682	4.1242	7.7176	3.1220	3.4430	8.8317	259.56	2.3867	29.891
#1	-.00013	.00264	.01847	-.11423	.00365	-.01630	-.00032	.00005	.09640	-.00057
#2	.00017	.00286	.01958	-.10241	.00382	-.01712	-.00036	-.00017	.09971	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00530**	**-.00039**	**.02047**	**.00089**	**-.00395**	**.01374**	**.00786**	**.00024**	W **-.00580**	**-.00024**
Stddev	.00261	.00011	.00055	.00033	.00123	.00274	.00084	.00002	.00162	.00025
%RSD	49.270	26.786	2.6963	36.951	31.054	19.911	10.662	6.8702	27.871	102.87
#1	.00715	-.00032	.02008	.00112	-.00308	.01567	.00845	.00025	-.00694	-.00041
#2	.00346	-.00047	.02086	.00066	-.00482	.01180	.00727	.00023	-.00466	-.00006
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500								.00500	
Low Limit	-.00500								-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00300**	**-.01196**	**-.00081**	**.00273**	**-.00079**
Stddev	.00091	.04965	.00052	.00065	.00185
%RSD	30.204	415.17	64.870	23.874	234.52
#1	-.00236	.02315	-.00118	.00319	-.00209
#2	-.00364	-.04706	-.00044	.00227	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4380.8**	**62807.**	**4435.4**
Stddev	7.3	84.	9.0
%RSD	.16723	.13419	.20351
#1	4375.6	62867.	4429.1
#2	4386.0	62747.	4441.8

Sample Name: LCS 280-113647/2-A Acquired: 4/2/2012 13:25:39 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05283**	**2.1308**	**1.0523**	**1.0356**	**2.0586**	**.05217**	**2.1512**	**51.396**	**.10882**	**.50971**
Stddev	.00039	.0174	.0023	.0004	.0007	.00002	.0057	.055	.00019	.00065
%RSD	.74095	.81723	.21583	.03610	.03561	.04765	.26599	.10607	.17446	.12753
#1	.05310	2.1185	1.0539	1.0358	2.0581	.05215	2.1553	51.434	.10896	.51017
#2	.05255	2.1431	1.0507	1.0353	2.0591	.05219	2.1472	51.357	.10869	.50925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20646**	F **.27548**	**1.0411**	**53.133**	**1.0551**	**52.015**	**.52254**	**1.0362**	**52.985**	**.52416**
Stddev	.00004	.00086	.0034	.019	.0021	.009	.00028	.0003	.404	.00022
%RSD	.01707	.31067	.32897	.03486	.19953	.01764	.05441	.02397	.76302	.04165
#1	.20643	.27609	1.0435	53.120	1.0536	52.008	.52234	1.0364	53.271	.52432
#2	.20648	.27488	1.0386	53.146	1.0566	52.021	.52274	1.0360	52.700	.52401
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.27500								
Low Limit		.22000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.932**	**.52191**	**.01483**	**.52926**	**2.1260**	**1.6396**	**2.0168**	**1.0560**	**1.0166**	**1.0309**
Stddev	.003	.00117	.00277	.00237	.0086	.0094	.0001	.0012	.0001	.0004
%RSD	.02744	.22353	18.645	.44802	.40297	.57553	.00434	.10904	.01351	.03797
#1	10.930	.52273	.01679	.53093	2.1321	1.6463	2.0167	1.0552	1.0166	1.0306
#2	10.934	.52108	.01288	.52758	2.1200	1.6330	2.0168	1.0568	1.0167	1.0312
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0777**	**2.1249**	**.51609**	**.50939**	**.50069**
Stddev	.0033	.0412	.00005	.00307	.00260
%RSD	.15850	1.9390	.00952	.60213	.51886
#1	2.0801	2.0958	.51606	.50722	.49885
#2	2.0754	2.1540	.51613	.51156	.50253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4174.1**	**58801.**	**4345.8**
Stddev	4.4	20.	4.8
%RSD	.10567	.03417	.11090
#1	4170.9	58816.	4349.2
#2	4177.2	58787.	4342.4

Sample Name: 280-27092-A-1-C Acquired: 4/2/2012 13:27:55 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**145.83**	**.07710**	**.02813**	**2.3154**	**.00680**	**-.00191**	**48.152**	**.00343**	**.07011**
Stddev	.00009	.01	.00244	.00013	.0001	.00005	.00049	.000	.00005	.00005
%RSD	6.5879	.00649	3.1709	.46724	.00331	.78952	25.689	.00055	1.3548	.06911
#1	-.00133	145.82	.07537	.02823	2.3154	.00676	-.00226	48.152	.00340	.07014
#2	-.00146	145.83	.07883	.02804	2.3155	.00684	-.00156	48.152	.00347	.07007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10956**	**.17152**	**177.10**	**31.380**	**.09145**	**31.916**	**6.6141**	**.01869**	**7.1849**	**.09646**
Stddev	.00000	.00001	.10	.062	.00302	.016	.0642	.00000	.0023	.00021
%RSD	.00015	.00503	.05421	.19909	3.3049	.04903	.97089	.01908	.03141	.21456
#1	.10956	.17151	177.03	31.336	.08931	31.905	6.6595	.01869	7.1865	.09661
#2	.10956	.17152	177.16	31.424	.09358	31.927	6.5687	.01870	7.1833	.09632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0223**	**.21729**	**.82527**	**-.00135**	W **-.00761**	**1.9251**	**.01076**	**1.9066**	**.08097**	**2.2295**
Stddev	.0008	.00187	.00762	.00298	.00575	.0182	.00111	.0000	.00065	.0025
%RSD	.01310	.85937	.92385	221.81	75.513	.94606	10.345	.00019	.80524	.11207
#1	6.0217	.21597	.83066	-.00346	-.01168	1.9123	.00998	1.9066	.08051	2.2278
#2	6.0229	.21862	.81988	.00076	-.00355	1.9380	.01155	1.9066	.08143	2.2313
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	F **-.10674**	**.33096**	**.63964**	**.14304**
Stddev	.00203	.04374	.00006	.00200	.00014
%RSD	162.72	40.982	.01690	.31205	.10040
#1	-.00019	-.13767	.33092	.63823	.14315
#2	.00268	-.07581	.33100	.64106	.14294
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4864.5**	**66296.**	**5013.0**
Stddev	4.9	24.	5.7
%RSD	.10015	.03668	.11423
#1	4861.1	66313.	5017.0
#2	4867.9	66278.	5008.9

Sample Name: sd 280-27092-A-1-C@5 Acquired: 4/2/2012 13:30:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00126**	**33.402**	k **.01737**	**.00620**	**.52754**	k **.00146**	k **-.00319**	**11.044**	k **.00092**	k **.01756**
Stddev	.00050	.022	.00377	.00175	.00055	.00002	.00107	.006	.00006	.00034
%RSD	39.387	.06663	21.727	28.158	.10388	1.3415	33.592	.05844	6.5183	1.9539
#1	k -.00161	33.387	k .02004	.00743	.52792	k .00144	k -.00395	11.040	k .00088	k .01781
#2	k -.00091	33.418	k .01470	.00496	.52715	k .00147	k -.00243	11.049	k .00096	k .01732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.02578**	k **.03978**	k **40.970**	**7.0243**	**.02279**	**7.4849**	**1.5511**	**.00405**	**1.5453**	**.02312**
Stddev	.00006	.00032	.016	.0468	.00041	.0050	.0019	.00017	.0085	.00033
%RSD	.22151	.79523	.03860	.66594	1.7972	.06673	.12375	4.2344	.55178	1.4350
#1	k .02574	k .04000	k 40.959	7.0573	.02250	7.4884	1.5524	.00418	1.5393	.02335
#2	k .02582	k .03955	k 40.981	6.9912	.02308	7.4813	1.5497	.00393	1.5514	.02289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3911**	k **.05205**	**.18440**	k **.00157**	kW **-.00685**	**.44821**	k **.00117**	**.43457**	k **.04279**	k **.49791**
Stddev	.0071	.00089	.00866	.00243	.00536	.01317	.00007	.00035	.00012	.00005
%RSD	.50998	1.7066	4.6943	154.89	78.185	2.9394	6.2948	.08074	.27417	.00946
#1	1.3961	k .05268	.17828	k .00329	k -.01064	.43889	k .00122	.43432	k .04288	k .49787
#2	1.3861	k .05142	.19052	k -.00015	k -.00306	.45752	k .00112	.43482	k .04271	k .49794
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00431**	kW **-.05291**	k **.07508**	k **.14813**	k **.03242**
Stddev	.00047	.00833	.00010	.00031	.00025
%RSD	10.837	15.737	.13308	.20960	.78313
#1	k -.00464	k -.05879	k .07501	k .14791	k .03260
#2	k -.00398	k -.04702	k .07515	k .14835	k .03224
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4527.8**	**62864.**	**4570.1**
Stddev	3.1	224.	5.1
%RSD	.06920	.35606	.11122
#1	4525.6	62705.	4573.7
#2	4530.0	63022.	4566.5

Sample Name: 280-27092-A-1-D MS Acquired: 4/2/2012 13:32:50 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04505**	**221.60**	**1.0502**	**.89505**	**3.9896**	**.05158**	**1.8078**	**87.697**	**.09435**	**.48784**
Stddev	.00010	.17	.0001	.00008	.0019	.00000	.0023	.049	.00010	.00015
%RSD	.21939	.07547	.00714	.00863	.04755	.00746	.12745	.05641	.10185	.03124
#1	.04512	221.72	1.0502	.89511	3.9909	.05157	1.8062	87.732	.09428	.48773
#2	.04498	221.48	1.0503	.89500	3.9882	.05158	1.8094	87.662	.09442	.48794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31220**	**.41265**	**194.88**	**86.470**	**1.0272**	**81.326**	**5.4890**	**.82670**	**52.832**	**.52806**
Stddev	.00026	.00161	.18	.027	.0003	.054	.0091	.00039	.315	.00030
%RSD	.08178	.39113	.09063	.03135	.02924	.06678	.16538	.04723	.59535	.05660
#1	.31238	.41151	194.76	86.451	1.0269	81.287	5.4826	.82643	53.055	.52827
#2	.31202	.41379	195.00	86.490	1.0274	81.364	5.4954	.82698	52.610	.52785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.469**	**.59406**	**.77710**	**.17673**	**1.7563**	**5.9822**	**1.5987**	**2.7613**	**.95510**	**6.2908**
Stddev	.012	.00101	.00399	.00386	.0004	.0530	.0007	.0008	.00498	.0117
%RSD	.08348	.17075	.51313	2.1824	.02122	.88612	.04209	.02823	.52105	.18626
#1	14.461	.59478	.77991	.17946	1.7560	5.9447	1.5991	2.7619	.95158	6.2825
#2	14.478	.59334	.77428	.17400	1.7565	6.0197	1.5982	2.7608	.95862	6.2991
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6336**	**1.7404**	**.87472**	**1.0766**	**.65431**
Stddev	.0018	.0036	.00193	.0004	.00107
%RSD	.11276	.20542	.22114	.04096	.16312
#1	1.6349	1.7430	.87335	1.0763	.65506
#2	1.6323	1.7379	.87609	1.0769	.65355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4757.8**	**64510.**	**5007.0**
Stddev	5.9	191.	16.7
%RSD	.12300	.29651	.33277
#1	4753.6	64375.	4995.2
#2	4761.9	64646.	5018.8

Sample Name: 280-27092-A-1-E MSD Acquired: 4/2/2012 13:35:46 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113647 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04600**	**203.50**	**1.0376**	**.90473**	**5.5576**	**.05128**	**1.8205**	**88.041**	**.09533**	**.49088**
Stddev	.00085	.57	.0036	.00221	.0168	.00012	.0039	.277	.00022	.00072
%RSD	1.8371	.28241	.34604	.24440	.30146	.22790	.21619	.31454	.23125	.14579
#1	.04540	203.10	1.0350	.90630	5.5458	.05120	1.8233	87.845	.09548	.49139
#2	.04660	203.91	1.0401	.90317	5.5695	.05137	1.8177	88.236	.09517	.49038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30573**	**.41930**	**180.90**	**83.236**	**1.0218**	**78.723**	W **10.170**	**.84404**	**52.768**	**.52536**
Stddev	.00021	.00174	.43	.211	.0032	.222	.051	.00077	.194	.00003
%RSD	.06920	.41478	.23611	.25327	.31852	.28216	.50173	.09077	.36817	.00518
#1	.30558	.41807	180.60	83.087	1.0195	78.566	10.206	.84458	52.905	.52538
#2	.30588	.42053	181.20	83.385	1.0241	78.880	10.134	.84349	52.630	.52534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.576**	**.71270**	**.87185**	**.18855**	**1.7709**	**5.8496**	**1.6183**	**2.6107**	**.96237**	**6.1298**
Stddev	.012	.00192	.00205	.00073	.0006	.0327	.0014	.0077	.00262	.0160
%RSD	.08511	.26900	.23521	.38894	.03552	.55839	.08357	.29465	.27202	.26088
#1	14.584	.71406	.87330	.18907	1.7713	5.8727	1.6192	2.6052	.96052	6.1185
#2	14.567	.71135	.87040	.18803	1.7704	5.8265	1.6173	2.6161	.96422	6.1411
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6490**	**1.7138**	**.85020**	**1.0848**	**.63321**
Stddev	.0018	.0054	.00352	.0019	.00490
%RSD	.11165	.31493	.41366	.17239	.77384
#1	1.6503	1.7177	.84771	1.0835	.62974
#2	1.6477	1.7100	.85269	1.0861	.63667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4761.7**	**64688.**	**5004.8**
Stddev	12.3	56.	17.9
%RSD	.25796	.08714	.35745
#1	4753.0	64728.	5017.4
#2	4770.4	64648.	4992.1

Sample Name: CCVH-1338467 Acquired: 4/2/2012 13:38:43 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**50.141**	**-.00385**	**.00334**	**.00067**	**.00014**	**1.0204**	**.01323**	**-.00182**	**.00190**	**.00072**	**.00369**	**51.285**
Stddev	.00007	.158	.00139	.00031	.00013	.00005	.0038	.00415	.00021	.00008	.00012	.00031	.295
%RSD	61.513	.31451	36.178	9.2747	19.944	35.516	.37459	31.359	11.695	4.3552	16.877	8.4770	.57556
#1	.00016	50.030	-.00483	.00356	.00076	.00017	1.0177	.01616	-.00167	.00184	.00063	.00347	51.076
#2	.00006	50.253	-.00286	.00312	.00057	.00010	1.0231	.01029	-.00197	.00196	.00080	.00392	51.494
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03214**	**.00301**	**-.03945**	**-.00058**	**-.00090**	**254.83**	**.00224**	**.00563**	**.00081**	**5.3028**	**-.00572**	**-.00767**	**.00281**
Stddev	.03681	.00111	.00389	.00012	.00046	.10	.00037	.00239	.00017	.0147	.00268	.00283	.00161
%RSD	114.54	36.914	9.8638	19.785	51.117	.04101	16.749	42.473	21.130	.27817	46.915	36.977	57.357
#1	.05817	.00223	-.03670	-.00050	-.00122	254.76	.00250	.00733	.00093	5.3132	-.00382	-.00967	.00395
#2	.00611	.00380	-.04220	-.00066	-.00057	254.91	.00197	.00394	.00069	5.2924	-.00761	-.00566	.00167
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.00060**	**4.9497**	**.00375**	**.00317**	**10.066**	**.00725**	**.00202**	**-.03139**
Stddev	.00028	.00004	.0143	.00011	.00035	.052	.00093	.00027	.00354
%RSD	7.8973	7.1369	.28889	2.8243	10.933	.51182	12.813	13.529	11.290
#1	.00368	.00063	4.9396	.00368	.00293	10.030	.00790	.00182	-.02889
#2	.00329	.00057	4.9598	.00383	.00342	10.103	.00659	.00221	-.03390
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4180.6**	**58229.**	**4297.2**
Stddev	4.6	257.	26.9
%RSD	.11012	.44169	.62484
#1	4183.8	58411.	4316.1
#2	4177.3	58047.	4278.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 13:41:10 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51678**	F **.66596**	**1.0420**	**.52807**	**.50378**	**.50752**	**.00096**	**5.1148**	**.52084**	**.50810**	**.50196**	**.52824**
Stddev	.00101	.14391	.0044	.00351	.00153	.00099	.00165	.0113	.00350	.00277	.00295	.00023
%RSD	.19537	21.610	.42458	.66487	.30360	.19574	172.57	.22106	.67206	.54525	.58813	.04382
#1	.51750	.76772	1.0389	.52559	.50486	.50822	.00212	5.1228	.51836	.50614	.49987	.52840
#2	.51607	.56420	1.0451	.53055	.50270	.50682	-.00021	5.1068	.52331	.51006	.50405	.52807
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5718**	**51.811**	**1.0300**	**21.095**	**.50771**	**.50322**	**5.0599**	**.51861**	**1.0608**	**1.0389**	**-.00272**	**1.0440**
Stddev	.0022	.056	.0006	.012	.00007	.00135	.0008	.00225	.0006	.0044	.00157	.0056
%RSD	.08675	.10754	.06274	.05472	.01440	.26901	.01568	.43478	.05569	.42009	57.884	.53722
#1	2.5733	51.850	1.0296	21.103	.50776	.50226	5.0593	.51702	1.0604	1.0358	-.00160	1.0400
#2	2.5702	51.772	1.0305	21.087	.50766	.50418	5.0604	.52021	1.0612	1.0420	-.00383	1.0479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0717**	**5.1087**	**1.0026**	**.51427**	**-.00486**	**.49811**	**1.0584**	**-.00571**	**.49521**	**.51216**	**.50252**
Stddev	.0046	.0111	.0059	.00077	.00010	.00013	.0051	.00234	.00044	.00027	.00199
%RSD	.42768	.21737	.59046	.15031	2.0424	.02593	.48541	41.063	.08840	.05298	.39626
#1	1.0685	5.1008	.99842	.51481	-.00493	.49802	1.0548	-.00405	.49551	.51197	.50393
#2	1.0749	5.1165	1.0068	.51372	-.00479	.49821	1.0620	-.00737	.49490	.51235	.50111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4255.5**	**59226.**	**4252.3**
Stddev	4.3	236.	17.3
%RSD	.10058	.39872	.40601
#1	4258.5	59393.	4264.5
#2	4252.5	59059.	4240.0

Sample Name: CCB Acquired: 4/2/2012 13:43:28 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00095**	**.00056**	**-.00161**	**.00129**	**-.00039**	**.00010**	**-.00739**	**.00259**	W **.00047**	**-.00022**
Stddev	.00038	.00030	.00089	.00044	.00084	.00008	.00083	.00154	.00008	.00000
%RSD	40.261	54.308	55.306	34.118	212.56	77.259	11.280	59.545	17.385	.26884
#1	-.00122	.00077	-.00224	.00160	.00020	.00015	-.00680	.00150	.00053	-.00022
#2	-.00068	.00034	-.00098	.00098	-.00098	.00005	-.00798	.00368	.00041	-.00022
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit	.00093								.00045	
Low Limit	-.00093								-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	W **.00144**	**.00179**	**-.06262**	**.00150**	W **-.01984**	W **-.00048**	**.00072**	F **-.10686**	**-.00038**
Stddev	.00017	.00027	.00229	.03412	.00115	.00025	.00003	.00010	.00464	.00006
%RSD	487.61	18.409	128.03	54.498	76.764	1.2567	6.0143	13.686	4.3461	15.439
#1	-.00009	.00163	.00341	-.08675	.00231	-.02002	-.00050	.00065	-.11014	-.00042
#2	.00015	.00126	.00017	-.03849	.00068	-.01967	-.00046	.00079	-.10357	-.00034
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00025		.10000	
Low Limit		-.00136				-.01070	-.00025		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**.00041**	**-.00777**	W **.00513**	**-.00306**	**.00185**	**.00101**	**.00027**	**-.00524**	**-.00039**
Stddev	.00183	.00058	.00127	.00115	.00717	.00109	.00027	.00003	.00037	.00010
%RSD	48.533	139.38	16.322	22.491	233.99	58.753	26.422	12.591	7.1545	24.794
#1	.00248	.00001	-.00867	.00431	.00200	.00108	.00120	.00030	-.00497	-.00032
#2	.00507	.00082	-.00687	.00594	-.00813	.00262	.00082	.00025	-.00550	-.00046
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00875**	**-.00027**	**.00127**	**-.00195**
Stddev	.00060	.03765	.00063	.00004	.00008
%RSD	513.63	430.10	230.54	2.8336	4.2212
#1	-.00054	.03537	.00017	.00130	-.00201
#2	.00031	-.01787	-.00072	.00125	-.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4177.1**	**59191.**	**4146.3**
Stddev	9.9	166.	27.6
%RSD	.23720	.28089	.66537
#1	4170.1	59074.	4165.8
#2	4184.1	59309.	4126.7

Sample Name: CCVL1341782 Acquired: 4/2/2012 13:45:59 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00997**	**.11518**	**.01718**	**.10467**	**.00990**	**.00098**	**.11208**	**.20684**	**.00555**	**.01040**	**.01018**
Stddev	.00052	.00081	.00058	.00009	.00015	.00018	.00339	.00084	.00036	.00032	.00004
%RSD	5.1853	.70075	3.3757	.08166	1.5349	18.214	3.0276	.40802	6.5683	3.0806	.43213
#1	.00960	.11575	.01677	.10461	.01001	.00111	.11448	.20744	.00581	.01062	.01015
#2	.01033	.11461	.01760	.10473	.00979	.00085	.10968	.20624	.00529	.01017	.01021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01798**	**.10336**	**3.0301**	**.01078**	**.19793**	**.01014**	**.02026**	**.93121**	**.04252**	**3.0928**	**.00917**
Stddev	.00056	.00100	.0305	.00148	.00108	.00008	.00013	.02090	.00020	.0107	.00030
%RSD	3.0921	.96677	1.0061	13.750	.54671	.81824	.64173	2.2444	.46563	.34584	3.2669
#1	.01837	.10265	3.0517	.00973	.19870	.01020	.02016	.94599	.04266	3.1003	.00939
#2	.01758	.10406	3.0086	.01182	.19717	.01009	.02035	.91644	.04238	3.0852	.00896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00510**	**.00913**	W **.01066**	**.51230**	**.10424**	**.01038**	F **.00727**	**.00943**	**.01568**	**.05654**	**.00961**
Stddev	.00074	.00217	.00161	.00728	.00043	.00007	.00069	.00028	.00025	.01098	.00004
%RSD	14.457	23.783	15.074	1.4201	.41200	.64888	9.5413	2.9962	1.6013	19.418	.43989
#1	-.00457	.01067	.00952	.51744	.10393	.01034	.00776	.00963	.01585	.06430	.00958
#2	-.00562	.00760	.01179	.50715	.10454	.01043	.00678	.00923	.01550	.04877	.00964
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02248**	**.01451**
Stddev	.00009	.00119
%RSD	.38625	8.1812
#1	.02254	.01535
#2	.02242	.01367
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4258.9**	**59994.**	**4207.4**
Stddev	5.0	124.	2.7
%RSD	.11732	.20627	.06469
#1	4262.4	60081.	4205.4
#2	4255.4	59906.	4209.3

Sample Name: MB 280-113658/1-A Acquired: 4/2/2012 13:48:29 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.00120**	**-.00016**	**-.00007**	W **-.00068**	**.00008**	**-.00335**	**.00209**	**.00037**	**-.00050**
Stddev	.00019	.00045	.00395	.00040	.00000	.00011	.00256	.00249	.00014	.00008
%RSD	22.282	37.436	2469.7	547.09	.49697	143.50	76.437	118.87	37.763	16.819
#1	-.00096	.00088	-.00295	.00021	-.00069	.00000	-.00516	.00033	.00047	-.00056
#2	-.00070	.00152	.00263	-.00036	-.00068	.00015	-.00154	.00385	.00027	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	W **.00160**	**.00053**	**-.07904**	W **.00298**	W **-.02128**	W **-.00054**	**.00004**	W **-.11592**	**-.00022**
Stddev	.00030	.00013	.00007	.00198	.00125	.00175	.00005	.00024	.00048	.00023
%RSD	153.41	7.8047	12.894	2.5015	42.043	8.2220	10.155	632.40	.41666	106.18
#1	-.00041	.00169	.00048	-.07764	.00209	-.02252	-.00050	.00021	-.11558	-.00005
#2	.00002	.00152	.00057	-.08044	.00386	-.02005	-.00058	-.00013	-.11626	-.00038
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit		.00136			.00261	.01070	.00025		.09160	
Low Limit		-.00136			-.00261	-.01070	-.00025		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.00043**	**-.00472**	**-.00002**	**-.00430**	**-.02515**	**-.00034**	**.00008**	W **-.00728**	**-.00017**
Stddev	.00166	.00084	.00157	.00004	.00198	.00612	.00093	.00008	.00114	.00009
%RSD	215.08	193.84	33.210	172.50	46.041	24.319	270.32	98.777	15.673	52.091
#1	-.00195	-.00016	-.00583	.00000	-.00570	-.02947	-.00100	.00013	-.00647	-.00011
#2	.00040	.00102	-.00361	-.00005	-.00290	-.02082	.00031	.00002	-.00809	-.00023
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00495	
Low Limit									-.00495	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	W **-.02624**	**-.00055**	**.00201**	**-.00043**
Stddev	.00026	.03049	.00029	.00011	.00120
%RSD	17.215	116.21	53.685	5.3856	279.46
#1	-.00134	-.04780	-.00075	.00193	.00042
#2	-.00172	-.00468	-.00034	.00208	-.00128
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01610			
Low Limit		-.01610			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.8**	**62342.**	**4398.4**
Stddev	8.6	67.	12.5
%RSD	.19650	.10753	.28318
#1	4356.7	62295.	4389.6
#2	4368.8	62390.	4407.2

Sample Name: LCS 280-113658/2-A Acquired: 4/2/2012 13:51:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05148**	**2.1216**	**1.0484**	**1.0376**	**2.0378**	**.05176**	**2.1164**	**51.007**	**.10705**	**.49926**
Stddev	.00068	.0183	.0035	.0018	.0021	.00009	.0051	.110	.00013	.00042
%RSD	1.3299	.86356	.32975	.17068	.10312	.16658	.24133	.21657	.11908	.08504
#1	.05100	2.1087	1.0508	1.0364	2.0393	.05182	2.1128	51.085	.10714	.49956
#2	.05197	2.1346	1.0460	1.0389	2.0363	.05169	2.1200	50.929	.10696	.49896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20232**	**.26879**	**1.0220**	**52.833**	**1.0463**	**51.647**	**.51387**	**1.0231**	**51.778**	**.51505**
Stddev	.00026	.00099	.0054	.100	.0005	.032	.00001	.0010	.146	.00012
%RSD	.12639	.37004	.52628	.18845	.04751	.06127	.00103	.09862	.28169	.02298
#1	.20250	.26809	1.0258	52.904	1.0459	51.625	.51386	1.0238	51.881	.51513
#2	.20214	.26950	1.0182	52.763	1.0466	51.670	.51387	1.0224	51.675	.51496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.754**	**.51197**	**.00147**	**.52599**	**2.1167**	**10.363**	**1.9868**	**1.0505**	**1.0010**	**1.0123**
Stddev	.006	.00120	.00068	.00047	.0050	.009	.0005	.0011	.0009	.0008
%RSD	.05718	.23425	46.553	.08915	.23822	.09033	.02407	.10359	.09334	.08137
#1	10.749	.51282	.00098	.52566	2.1132	10.356	1.9871	1.0512	1.0017	1.0117
#2	10.758	.51112	.00195	.52632	2.1203	10.369	1.9864	1.0497	1.0003	1.0129
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0467**	**2.0688**	**.50746**	**.50421**	**.49677**
Stddev	.0019	.0109	.00074	.00057	.00001
%RSD	.09438	.52629	.14541	.11364	.00108
#1	2.0480	2.0765	.50798	.50380	.49677
#2	2.0453	2.0611	.50694	.50462	.49676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4232.1**	**59230.**	**4354.1**
Stddev	1.4	157.	3.3
%RSD	.03392	.26441	.07631
#1	4231.1	59119.	4356.5
#2	4233.1	59340.	4351.8

Sample Name: LCSD 280-113658/3-A Acquired: 4/2/2012 13:53:16 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05112**	**2.1162**	**1.0419**	**1.0435**	**2.0224**	**.05121**	**2.1090**	**50.664**	**.10667**	**.49736**
Stddev	.00027	.0109	.0024	.0007	.0001	.00009	.0061	.043	.00015	.00021
%RSD	.51865	.51404	.23183	.06766	.00720	.16667	.28932	.08513	.13647	.04203
#1	.05131	2.1086	1.0402	1.0440	2.0223	.05127	2.1134	50.634	.10677	.49721
#2	.05093	2.1239	1.0436	1.0430	2.0225	.05115	2.1047	50.695	.10657	.49751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20095**	**.26842**	**1.0176**	**52.504**	**1.0426**	**51.553**	**.51216**	**1.0222**	**51.362**	**.51346**
Stddev	.00011	.00042	.0073	.075	.0031	.030	.00015	.0004	.200	.00038
%RSD	.05470	.15596	.71326	.14226	.29276	.05872	.02861	.03634	.38968	.07418
#1	.20103	.26812	1.0228	52.451	1.0404	51.575	.51206	1.0220	51.221	.51319
#2	.20087	.26872	1.0125	52.556	1.0448	51.532	.51227	1.0225	51.504	.51373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.687**	**.51196**	**-.00456**	**.52546**	**2.1216**	**10.314**	**1.9850**	**1.0425**	**.99533**	**1.0121**
Stddev	.006	.00121	.00174	.00428	.0014	.019	.0048	.0006	.00047	.0007
%RSD	.05287	.23634	38.052	.81431	.06696	.18105	.24023	.06053	.04756	.06696
#1	10.683	.51110	-.00333	.52243	2.1226	10.301	1.9884	1.0420	.99567	1.0126
#2	10.691	.51281	-.00579	.52848	2.1206	10.327	1.9816	1.0429	.99500	1.0117
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0460**	**2.0718**	**.50506**	**.50064**	**.49477**
Stddev	.0032	.0127	.00039	.00024	.00024
%RSD	.15899	.61231	.07674	.04861	.04863
#1	2.0483	2.0628	.50478	.50081	.49494
#2	2.0437	2.0808	.50533	.50046	.49460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4228.3**	**59203.**	**4348.3**
Stddev	1.1	45.	8.1
%RSD	.02718	.07581	.18703
#1	4229.1	59235.	4342.5
#2	4227.5	59172.	4354.0

Sample Name: 280-27121-G-1-C Acquired: 4/2/2012 13:55:32 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**.00570**	**.01994**	**4.4504**	**.02388**	**.00002**	**-.00487**	**88.396**	**.00062**	**-.00030**
Stddev	.00003	.00018	.00120	.0109	.00050	.00003	.00151	.387	.00011	.00009
%RSD	2.7854	3.0935	5.9952	.24397	2.0734	123.93	31.036	.43735	18.080	28.900
#1	-.00100	.00583	.02079	4.4427	.02353	.00000	-.00594	88.122	.00070	-.00037
#2	-.00096	.00558	.01909	4.4581	.02423	.00004	-.00380	88.669	.00054	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00671**	**.01629**	**86.747**	**.34956**	**100.58**	**.00129**	**.27480**	**400.40**	**.00502**
Stddev	.00015	.00000	.00378	.459	.00028	.41	.00003	.00036	1.27	.00020
%RSD	44.856	.05556	23.194	.52874	.08017	.40985	1.9815	.13251	.31661	3.9023
#1	.00045	.00671	.01362	86.422	.34936	100.29	.00127	.27506	399.50	.00488
#2	.00023	.00671	.01896	87.071	.34976	100.87	.00131	.27454	401.29	.00516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00915**	**-.00132**	**432.47**	**.00111**	**.00501**	**8.2118**	**.00042**	**6.3184**	**-.00710**	**-.00096**
Stddev	.00425	.00053	.52	.00096	.00868	.0599	.00095	.0311	.00183	.00046
%RSD	46.494	40.048	.12048	87.038	173.24	.72953	223.20	.49204	25.840	47.795
#1	.00614	-.00094	432.10	.00179	-.00113	8.1694	-.00025	6.2964	-.00580	-.00063
#2	.01215	-.00169	432.84	.00043	.01115	8.2541	.00110	6.3404	-.00840	-.00128
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**-.00297**	**.00354**	**.00534**	**-.00111**
Stddev	.00000	.02388	.00037	.00001	.00019
%RSD	.08532	804.52	10.514	.27807	17.286
#1	.00337	-.01985	.00328	.00535	-.00097
#2	.00336	.01392	.00381	.00533	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4070.1**	**56323.**	**4322.0**
Stddev	7.8	433.	16.6
%RSD	.19190	.76927	.38421
#1	4064.6	56629.	4333.7
#2	4075.6	56017.	4310.2

Sample Name: 280-27107-F-1-D Acquired: 4/2/2012 13:58:04 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**.22465**	**.00095**	**.02458**	**.02018**	**.00008**	**-.00410**	**7.2548**	**.00041**	**.00010**
Stddev	.00014	.00247	.00373	.00185	.00014	.00009	.00699	.0239	.00019	.00006
%RSD	12.995	1.0996	391.40	7.5315	.66916	113.44	170.53	.32967	45.580	59.848
#1	-.00099	.22291	-.00169	.02589	.02009	.00002	-.00905	7.2717	.00054	.00006
#2	-.00120	.22640	.00359	.02327	.02028	.00014	.00084	7.2379	.00028	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00227**	**.83765**	**2.0547**	**.00618**	**2.0643**	**.19277**	**.00025**	**7.1923**	**-.00001**
Stddev	.00005	.00025	.00044	.0256	.00097	.0025	.00014	.00019	.0202	.00002
%RSD	22.879	11.149	.05225	1.2462	15.659	.12046	.07513	77.694	.28064	275.05
#1	.00018	.00245	.83734	2.0366	.00687	2.0625	.19267	.00011	7.2066	.00001
#2	.00025	.00209	.83796	2.0728	.00550	2.0660	.19287	.00039	7.1781	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03971**	**.00136**	**1.2568**	**.00049**	**-.00193**	**6.7392**	**-.00003**	**.06102**	**-.00733**	**.00692**
Stddev	.00118	.00048	.0070	.00423	.00275	.0201	.00033	.00005	.00058	.00005
%RSD	2.9722	35.088	.55597	871.64	142.77	.29795	952.68	.07391	7.9840	.72474
#1	.04054	.00169	1.2617	-.00250	-.00387	6.7534	-.00026	.06105	-.00691	.00695
#2	.03887	.00102	1.2518	.00347	.00002	6.7250	.00020	.06099	-.00774	.00688
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**-.00090**	**-.00013**	**.00492**	**-.00202**
Stddev	.00160	.00580	.00002	.00036	.00027
%RSD	130.99	645.50	17.866	7.3400	13.173
#1	-.00235	.00320	-.00012	.00466	-.00221
#2	-.00009	-.00500	-.00015	.00517	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4356.9**	**61488.**	**4393.6**
Stddev	8.3	119.	20.2
%RSD	.19065	.19353	.45989
#1	4351.0	61572.	4379.4
#2	4362.7	61403.	4407.9

Sample Name: 280-27107-F-2-B Acquired: 4/2/2012 14:00:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00650**	**.00074**	**.00561**	**-.00064**	**.00011**	**-.00512**	**.02768**	**.00027**	**.00034**
Stddev	.00014	.00018	.00126	.00031	.00018	.00004	.00153	.00176	.00009	.00007
%RSD	29.080	2.8151	170.77	5.4456	28.373	34.432	29.914	6.3589	34.709	21.214
#1	-.00059	.00663	-.00015	.00582	-.00051	.00014	-.00621	.02644	.00020	.00039
#2	-.00039	.00637	.00163	.00539	-.00076	.00008	-.00404	.02893	.00033	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00179**	**.00350**	**-.06840**	**.00555**	**-.01785**	**.00040**	**.00000**	**-.08260**	**-.00053**
Stddev	.00010	.00020	.00029	.02319	.00068	.00070	.00001	.00002	.00023	.00038
%RSD	243.57	11.401	8.2364	33.899	12.276	3.9216	3.5960	454.06	.27626	72.593
#1	-.00003	.00193	.00330	-.05201	.00603	-.01735	.00039	.00001	-.08244	-.00026
#2	.00012	.00164	.00371	-.08480	.00506	-.01834	.00041	-.00001	-.08276	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.00008**	**.01427**	**.00123**	**-.00477**	**.01462**	**.00065**	**.00019**	**-.00639**	**-.00040**
Stddev	.00070	.00000	.00234	.00125	.00217	.00662	.00038	.00018	.00174	.00047
%RSD	45.037	2.6597	16.401	101.87	45.497	45.249	58.369	93.321	27.323	118.63
#1	.00206	.00009	.01262	.00211	-.00324	.00994	.00091	.00031	-.00762	-.00006
#2	.00106	.00008	.01593	.00034	-.00631	.01930	.00038	.00006	-.00515	-.00073
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	**-.01455**	**-.00090**	**.00329**	**-.00145**
Stddev	.00023	.03144	.00012	.00030	.00009
%RSD	14.824	216.06	13.580	9.2449	5.9574
#1	-.00169	.00768	-.00099	.00307	-.00151
#2	-.00137	-.03678	-.00082	.00350	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4355.8**	**62013.**	**4377.0**
Stddev	.2	119.	13.7
%RSD	.00490	.19205	.31293
#1	4355.6	62097.	4367.3
#2	4355.9	61929.	4386.7

Sample Name: sd 280-27107-F-2-B@5 Acquired: 4/2/2012 14:03:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.00306**	**.00315**	**.00297**	**-.00077**	**.00018**	**-.00425**	**.02392**	**.00014**	**.00010**
Stddev	.00084	.00071	.00296	.00036	.00026	.00004	.00107	.00229	.00007	.00026
%RSD	111.32	23.139	94.219	12.229	33.332	23.166	25.128	9.5661	51.969	254.36
#1	-.00016	.00356	.00105	.00322	-.00059	.00015	-.00501	.02230	.00019	-.00008
#2	-.00134	.00256	.00524	.00271	-.00095	.00021	-.00350	.02554	.00009	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00165**	**.00750**	**-.06840**	**.00220**	**-.01449**	**-.00020**	**-.00019**	**-.09902**	**-.00021**
Stddev	.00013	.00022	.00353	.00735	.00034	.00605	.00016	.00012	.00363	.00012
%RSD	27.133	13.588	47.085	10.740	15.559	41.723	81.890	64.453	3.6663	58.510
#1	.00039	.00181	.00500	-.06321	.00196	-.01877	-.00031	-.00028	-.09645	-.00029
#2	.00057	.00149	.00999	-.07360	.00244	-.01022	-.00008	-.00010	-.10158	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**-.00042**	**.00153**	**-.00157**	**-.00128**	**-.00580**	**.00013**	**.00019**	**-.00662**	**-.00033**
Stddev	.00237	.00084	.00094	.00132	.00416	.01758	.00161	.00005	.00013	.00045
%RSD	210.30	200.86	61.497	84.205	325.60	303.19	1254.1	28.433	1.9155	136.03
#1	.00280	.00018	.00087	-.00063	-.00422	.00663	-.00101	.00015	-.00653	-.00065
#2	-.00055	-.00102	.00220	-.00250	.00166	-.01823	.00127	.00022	-.00671	-.00001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00229**	**.01661**	**-.00060**	**.00332**	**.00060**
Stddev	.00114	.00756	.00007	.00028	.00158
%RSD	49.732	45.497	12.279	8.3204	265.22
#1	-.00148	.01127	-.00065	.00352	.00172
#2	-.00309	.02195	-.00055	.00313	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4364.9**	**61857.**	**4348.4**
Stddev	3.3	84.	9.3
%RSD	.07506	.13574	.21277
#1	4362.6	61798.	4341.8
#2	4367.2	61917.	4354.9

Sample Name: 280-27107-F-2-C MS Acquired: 4/2/2012 14:05:37 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05313**	**2.1744**	**1.0718**	**1.0685**	**2.0761**	**.05276**	**2.1653**	**51.989**	**.10958**	**.51124**
Stddev	.00043	.0150	.0026	.0016	.0005	.00002	.0001	.008	.00033	.00044
%RSD	.80198	.68930	.23772	.14849	.02611	.03129	.00501	.01515	.29677	.08623
#1	.05344	2.1638	1.0700	1.0674	2.0765	.05277	2.1652	51.984	.10935	.51093
#2	.05283	2.1850	1.0736	1.0697	2.0757	.05275	2.1653	51.995	.10981	.51155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20720**	**.27609**	**1.0442**	**53.756**	**1.0623**	**52.899**	**.52711**	**1.0508**	**52.547**	**.52603**
Stddev	.00028	.00002	.0019	.026	.0000	.026	.00003	.0020	.516	.00091
%RSD	.13455	.00882	.18231	.04916	.00124	.04957	.00660	.19152	.98155	.17223
#1	.20700	.27608	1.0429	53.775	1.0623	52.881	.52714	1.0493	52.182	.52539
#2	.20739	.27611	1.0456	53.737	1.0623	52.918	.52709	1.0522	52.912	.52667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.977**	**.52122**	**.00810**	**.53840**	**2.1569**	**10.582**	**2.0435**	**1.0686**	**1.0219**	**1.0399**
Stddev	.007	.00003	.00468	.00065	.0026	.010	.0039	.0002	.0008	.0014
%RSD	.05981	.00615	57.752	.12099	.12022	.09862	.18832	.01890	.07530	.12992
#1	10.982	.52124	.01141	.53794	2.1587	10.589	2.0408	1.0685	1.0225	1.0389
#2	10.972	.52120	.00479	.53886	2.1551	10.574	2.0463	1.0688	1.0214	1.0408
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0851**	**2.1503**	**.51865**	**.51503**	**.51009**
Stddev	.0040	.0172	.00002	.00159	.00332
%RSD	.19344	.79918	.00402	.30832	.65131
#1	2.0823	2.1381	.51866	.51615	.50774
#2	2.0880	2.1624	.51864	.51390	.51244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4192.2**	**58845.**	**4335.5**
Stddev	9.7	42.	6.7
%RSD	.23060	.07073	.15455
#1	4199.0	58875.	4330.7
#2	4185.3	58816.	4340.2

Sample Name: 280-27107-F-2-D MSD Acquired: 4/2/2012 14:07:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113658 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05212**	**2.1611**	**1.0579**	**1.0693**	**2.0643**	**.05251**	**2.1485**	**51.574**	**.10839**	**.50717**
Stddev	.00067	.0165	.0009	.0008	.0063	.00016	.0020	.149	.00036	.00154
%RSD	1.2923	.76423	.08705	.07062	.30427	.30873	.09216	.28869	.33376	.30295
#1	.05259	2.1494	1.0585	1.0688	2.0688	.05263	2.1471	51.680	.10865	.50608
#2	.05164	2.1728	1.0572	1.0699	2.0599	.05240	2.1499	51.469	.10814	.50826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20577**	**.27391**	**1.0471**	**53.444**	**1.0593**	**52.390**	**.52289**	**1.0518**	**52.705**	**.52156**
Stddev	.00081	.00092	.0099	.017	.0087	.032	.00034	.0008	.589	.00125
%RSD	.39427	.33517	.94346	.03132	.82177	.06130	.06428	.07679	1.1179	.23954
#1	.20520	.27326	1.0541	53.456	1.0655	52.367	.52265	1.0512	53.122	.52067
#2	.20634	.27456	1.0401	53.432	1.0532	52.412	.52313	1.0524	52.288	.52244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.890**	**.51925**	**.00429**	**.53908**	**2.1392**	**10.580**	**2.0450**	**1.0627**	**1.0150**	**1.0389**
Stddev	.015	.00150	.00195	.00036	.0055	.004	.0008	.0038	.0000	.0000
%RSD	.13843	.28884	45.489	.06594	.25572	.03915	.03775	.35751	.00207	.00143
#1	10.879	.52031	.00291	.53883	2.1431	10.577	2.0456	1.0653	1.0150	1.0389
#2	10.900	.51819	.00567	.53933	2.1354	10.582	2.0445	1.0600	1.0150	1.0390
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0768**	**2.1551**	**.51382**	**.51044**	**.51392**
Stddev	.0008	.0142	.00197	.00252	.00259
%RSD	.03869	.66035	.38261	.49365	.50367
#1	2.0763	2.1652	.51243	.50865	.51575
#2	2.0774	2.1451	.51521	.51222	.51209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4192.6**	**58592.**	**4305.6**
Stddev	3.6	97.	6.2
%RSD	.08687	.16535	.14409
#1	4190.0	58660.	4310.0
#2	4195.2	58523.	4301.2

Sample Name: CCVH-1338467 Acquired: 4/2/2012 14:10:07 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**50.444**	**-.00009**	**.00694**	**.00016**	**.00008**	**1.0294**	**.01119**	**-.00163**	**.00203**	**.00079**	**.00383**	**51.606**
Stddev	.00008	.008	.00128	.00037	.00057	.00002	.0019	.00489	.00016	.00047	.00017	.00025	.077
%RSD	12.529	.01623	1381.9	5.3921	347.06	25.948	.18735	43.724	10.056	23.021	21.836	6.6390	.14827
#1	.00072	50.438	.00081	.00668	.00057	.00009	1.0308	.00773	-.00175	.00170	.00066	.00365	51.660
#2	.00060	50.450	-.00100	.00721	-.00024	.00006	1.0281	.01466	-.00152	.00236	.00091	.00401	51.552
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00172**	**.00329**	**-.04045**	**-.00114**	**.00013**	**256.44**	**.00233**	**.01354**	**.00182**	**5.3641**	**-.00647**	**-.00115**	**.01530**
Stddev	.02900	.00077	.00265	.00007	.00063	.17	.00063	.00845	.00177	.0312	.00079	.00037	.01906
%RSD	1684.8	23.437	6.5581	5.7949	488.25	.06767	27.231	62.384	97.698	.58110	12.188	31.718	124.56
#1	-.02223	.00383	-.03857	-.00110	-.00032	256.32	.00188	.00757	.00056	5.3421	-.00591	-.00089	.02878
#2	.01879	.00274	-.04233	-.00119	.00058	256.56	.00278	.01951	.00307	5.3862	-.00702	-.00141	.00182
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00294**	**.00051**	**4.9609**	**.00359**	**.00664**	**10.100**	**.00742**	**.00256**	**-.02800**
Stddev	.00167	.00001	.0054	.00005	.00049	.005	.00021	.00021	.00318
%RSD	56.856	2.3180	.10848	1.3904	7.3631	.05392	2.8679	8.3067	11.339
#1	.00176	.00050	4.9647	.00355	.00629	10.104	.00727	.00271	-.03025
#2	.00413	.00052	4.9571	.00362	.00698	10.096	.00757	.00241	-.02576
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4210.2**	**58958.**	**4310.6**
Stddev	15.4	12.	14.4
%RSD	.36461	.02059	.33344
#1	4221.1	58966.	4320.8
#2	4199.3	58949.	4300.4

Sample Name: CCV-1338469 Acquired: 4/2/2012 14:12:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51604**	F **.55964**	**1.0430**	**.53004**	**.50619**	**.51066**	**.00075**	**5.1366**	**.52428**	**.51031**	**.50307**	**.53064**
Stddev	.00129	.00398	.0046	.00279	.00133	.00248	.00092	.0172	.00159	.00038	.00114	.00048
%RSD	.24920	.71103	.44436	.52672	.26237	.48518	121.78	.33529	.30374	.07511	.22691	.09029
#1	.51694	.55682	1.0463	.52807	.50713	.51242	.00140	5.1488	.52315	.51004	.50227	.53098
#2	.51513	.56245	1.0397	.53202	.50525	.50891	.00010	5.1244	.52541	.51058	.50388	.53030
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5787**	**52.068**	**1.0349**	**21.177**	**.50937**	**.50482**	**5.0468**	**.52085**	**1.0578**	**1.0444**	**-.00634**	**1.0537**
Stddev	.0140	.173	.0009	.017	.00041	.00150	.0405	.00127	.0030	.0031	.00615	.0013
%RSD	.54274	.33262	.08819	.08063	.08038	.29661	.80222	.24450	.28620	.30057	97.029	.12475
#1	2.5886	52.190	1.0355	21.189	.50966	.50376	5.0754	.51995	1.0556	1.0422	-.01070	1.0528
#2	2.5689	51.945	1.0343	21.165	.50908	.50587	5.0181	.52175	1.0599	1.0466	-.00199	1.0546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0679**	**5.1597**	**1.0035**	**.51667**	**-.00568**	**.49702**	**1.0653**	**.01667**	**.49415**	**.51537**	**.50723**
Stddev	.0014	.0078	.0022	.00122	.00253	.00074	.0044	.01629	.00021	.00088	.00236
%RSD	.13051	.15062	.21552	.23696	44.643	.14884	.40965	97.702	.04254	.17166	.46611
#1	1.0689	5.1652	1.0019	.51753	-.00389	.49754	1.0622	.00515	.49400	.51599	.50890
#2	1.0669	5.1542	1.0050	.51580	-.00747	.49649	1.0684	.02819	.49430	.51474	.50555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4207.0**	**58300.**	**4165.5**
Stddev	6.4	54.	25.6
%RSD	.15094	.09324	.61371
#1	4211.5	58261.	4147.4
#2	4202.5	58338.	4183.6

Sample Name: CCB Acquired: 4/2/2012 14:14:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00112**	**-.00064**	**.00013**	W **.00238**	**-.00015**	**.00016**	**-.00169**	**.00063**	W **.00053**	**-.00064**
Stddev	.00061	.00034	.00175	.00024	.00034	.00007	.00069	.00649	.00009	.00008
%RSD	54.414	52.111	1313.7	9.9745	229.78	45.295	41.187	1030.2	16.116	13.253
#1	-.00069	-.00088	.00137	.00255	-.00039	.00022	-.00218	.00522	.00059	-.00058
#2	-.00156	-.00041	-.00110	.00221	.00009	.00011	-.00120	-.00396	.00047	-.00070
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit	.00093			.00156					.00045	
Low Limit	-.00093			-.00156					-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	W **.00202**	**-.00258**	**-.00195**	**.00153**	F **-.02182**	F **-.00053**	**.00089**	W **-.09366**	**-.00058**
Stddev	.00004	.00015	.00025	.00288	.00207	.00005	.00001	.00010	.00410	.00018
%RSD	177.10	7.3450	9.7411	147.88	135.26	.24653	2.8316	10.888	4.3794	30.702
#1	.00005	.00192	-.00240	-.00399	.00007	-.02186	-.00052	.00082	-.09076	-.00071
#2	-.00001	.00213	-.00276	.00009	.00300	-.02178	-.00054	.00096	-.09656	-.00046
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		.00136				.02140	.00051		.09160	
Low Limit		-.00136				-.02140	-.00051		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00013**	**-.00270**	W **.00409**	**-.00030**	**.01929**	**.00108**	**.00011**	**-.00710**	W **-.00078**
Stddev	.00198	.00188	.00559	.00025	.00022	.01263	.00128	.00001	.00003	.00008
%RSD	271.54	1488.9	206.77	6.1625	74.684	65.470	117.78	10.222	.36556	10.039
#1	-.00067	-.00146	-.00665	.00427	-.00014	.01036	.00018	.00010	-.00712	-.00084
#2	.00213	.00121	.00125	.00391	-.00045	.02822	.00199	.00011	-.00708	-.00073
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00314						.00060
Low Limit				-.00314						-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**-.01513**	**-.00079**	**.00134**	**-.00043**
Stddev	.00129	.01051	.00009	.00018	.00049
%RSD	132.70	69.451	10.999	13.533	116.25
#1	-.00188	-.00770	-.00072	.00121	-.00077
#2	-.00006	-.02256	-.00085	.00147	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4172.6**	**59013.**	**4126.6**
Stddev	6.8	10.	20.9
%RSD	.16326	.01734	.50590
#1	4167.8	59006.	4111.9
#2	4177.4	59021.	4141.4

Sample Name: CCVL1341782 Acquired: 4/2/2012 14:17:25 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00915**	**.11503**	**.01638**	**.10526**	**.00961**	**.00103**	**.10928**	**.20471**	**.00547**	**.01010**	**.01002**
Stddev	.00033	.00089	.00305	.00083	.00050	.00006	.00108	.00096	.00001	.00025	.00011
%RSD	3.5992	.77420	18.595	.78998	5.1790	5.6071	.99038	.47065	.26395	2.4689	1.0623
#1	.00892	.11440	.01853	.10467	.00997	.00098	.11005	.20403	.00546	.01028	.01010
#2	.00939	.11566	.01423	.10585	.00926	.00107	.10852	.20539	.00548	.00992	.00995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01800**	**.10060**	**3.0681**	**.01142**	**.19712**	**.01004**	**.02017**	**.93846**	**.04316**	**3.0865**	**.00925**
Stddev	.00012	.00131	.0373	.00011	.00171	.00003	.00022	.01950	.00029	.0056	.00066
%RSD	.65688	1.3033	1.2146	.96975	.86705	.26486	1.0796	2.0783	.67399	.18004	7.0983
#1	.01791	.10153	3.0418	.01134	.19591	.01006	.02002	.95226	.04337	3.0904	.00971
#2	.01808	.09968	3.0945	.01150	.19833	.01003	.02033	.92467	.04296	3.0825	.00878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00512**	**.01058**	W **.01137**	**.51202**	**.10295**	**.01047**	F **.00699**	**.00921**	**.01489**	**.06469**	**.00975**
Stddev	.01016	.00059	.00137	.00278	.00113	.00006	.00021	.00002	.00065	.04104	.00061
%RSD	198.52	5.5332	12.033	.54328	1.0931	.61459	2.9490	.27123	4.3801	63.443	6.2086
#1	-.01230	.01100	.01234	.51005	.10215	.01052	.00684	.00923	.01535	.03567	.01018
#2	.00207	.01017	.01040	.51399	.10374	.01042	.00714	.00919	.01443	.09371	.00932
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02275**	**.01527**
Stddev	.00007	.00106
%RSD	.31528	6.9220
#1	.02280	.01601
#2	.02270	.01452
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4251.6**	**59710.**	**4180.8**
Stddev	3.6	13.	4.6
%RSD	.08379	.02191	.11001
#1	4254.1	59720.	4177.5
#2	4249.1	59701.	4184.0

Sample Name: MB 280-113645/1-A Acquired: 4/2/2012 14:19:56 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00127**	**.00079**	**-.00063**	**.00020**	**-.00023**	**.00018**	**-.00210**	**.00214**	**.00015**	**-.00025**
Stddev	.00037	.00019	.00458	.00057	.00033	.00008	.00236	.00400	.00007	.00003
%RSD	28.665	24.438	730.27	290.70	140.52	45.934	112.59	187.27	47.574	10.351
#1	-.00102	.00092	.00261	-.00021	-.00047	.00024	-.00377	-.00069	.00010	-.00023
#2	-.00153	.00065	-.00386	.00060	.00000	.00012	-.00043	.00497	.00020	-.00026
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093									
Low Limit	-.00093									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	W **.00219**	W **.04118**	**-.06335**	**.00008**	W **-.02130**	W **-.00027**	**.00022**	W **-.11094**	**.00023**
Stddev	.00002	.00027	.00315	.01042	.00055	.00014	.00006	.00009	.00488	.00011
%RSD	4.4900	12.181	7.6480	16.455	659.11	.67035	21.266	42.866	4.3946	46.150
#1	.00054	.00200	.04341	-.05598	-.00030	-.02140	-.00031	.00015	-.10750	.00016
#2	.00057	.00238	.03896	-.07072	.00047	-.02120	-.00023	.00029	-.11439	.00031
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit		.00136	.02200			.01070	.00025		.09160	
Low Limit		-.00136	-.02200			-.01070	-.00025		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00192**	**.00004**	**-.00254**	**.00036**	**-.00361**	**.00474**	**-.00023**	**.00013**	W **-.00733**	**-.00047**
Stddev	.00034	.00016	.00086	.00074	.00243	.01208	.00047	.00001	.00173	.00010
%RSD	17.722	422.82	33.960	202.68	67.213	254.97	207.75	4.7263	23.534	20.030
#1	-.00216	.00015	-.00315	.00088	-.00190	-.00381	-.00056	.00013	-.00855	-.00054
#2	-.00168	-.00008	-.00193	-.00016	-.00533	.01328	.00011	.00012	-.00611	-.00041
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00495	
Low Limit									-.00495	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	W **-.01710**	**-.00044**	W **.00509**	**-.00125**
Stddev	.00201	.03485	.00042	.00011	.00092
%RSD	2525.5	203.76	95.552	2.0639	73.890
#1	-.00134	.00754	-.00014	.00516	-.00190
#2	.00150	-.04175	-.00073	.00502	-.00060
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit		.01610		.00453	
Low Limit		-.01610		-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4408.2**	**60726.**	**4249.6**
Stddev	27.5	115.	14.6
%RSD	.62398	.18890	.34372
#1	4388.8	60644.	4260.0
#2	4427.7	60807.	4239.3

Sample Name: LCS 280-113645/2-A Acquired: 4/2/2012 14:22:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05297**	F **2.1669**	**1.0789**	**1.0949**	**2.0379**	**.05198**	**2.1601**	**51.055**	**.10960**	**.50203**
Stddev	.00040	.0026	.0078	.0026	.0012	.00002	.0037	.010	.00009	.00035
%RSD	.74924	.12008	.72256	.23328	.06105	.03204	.17073	.01932	.07824	.07056
#1	.05325	2.1650	1.0734	1.0931	2.0370	.05199	2.1575	51.062	.10954	.50228
#2	.05269	2.1687	1.0844	1.0968	2.0387	.05197	2.1627	51.048	.10966	.50178
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.1600								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20184**	**.27294**	**1.0255**	**52.925**	**1.0436**	**53.040**	**.51814**	**1.0232**	**51.764**	**.52012**
Stddev	.00030	.00039	.0016	.042	.0038	.009	.00001	.0007	.044	.00060
%RSD	.14755	.14291	.15817	.08013	.36741	.01606	.00215	.06970	.08547	.11521
#1	.20163	.27266	1.0266	52.895	1.0463	53.034	.51815	1.0227	51.795	.51970
#2	.20205	.27322	1.0243	52.955	1.0409	53.046	.51813	1.0237	51.733	.52054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.143**	**.52105**	**-.00341**	F **.54440**	F **2.2439**	**10.413**	**2.0071**	**1.0503**	**1.0004**	**1.0167**
Stddev	.001	.00089	.00323	.00220	.0040	.015	.0007	.0006	.0030	.0020
%RSD	.00950	.17022	94.601	.40411	.17833	.14286	.03695	.06133	.29819	.19562
#1	11.142	.52042	-.00570	.54595	2.2411	10.423	2.0076	1.0498	1.0025	1.0181
#2	11.143	.52168	-.00113	.54284	2.2467	10.402	2.0066	1.0507	.99825	1.0153
Check ?	Chk Fail	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	11.100			.54000	2.2000					
Low Limit	9.1000			.44000	1.8000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0901**	**2.0563**	**.50713**	**.51484**	**.49881**
Stddev	.0011	.0297	.00001	.00070	.00162
%RSD	.05248	1.4436	.00286	.13573	.32488
#1	2.0908	2.0773	.50712	.51533	.49767
#2	2.0893	2.0353	.50714	.51435	.49996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4265.3**	**59272.**	**4386.4**
Stddev	.4	53.	27.5
%RSD	.00844	.08909	.62713
#1	4265.6	59235.	4367.0
#2	4265.0	59309.	4405.9

Sample Name: 280-27131-A-1-A Acquired: 4/2/2012 14:24:45 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.00050**	**.00509**	**.11484**	**.02513**	**.00004**	**-.00512**	**93.350**	**.00005**	**-.00010**
Stddev	.00083	.00014	.00191	.00101	.00034	.00001	.00009	.005	.00013	.00013
%RSD	54.886	27.064	37.600	.87887	1.3405	22.319	1.7860	.00518	251.73	124.97
#1	-.00210	.00060	.00373	.11555	.02536	.00004	-.00518	93.347	-.00004	-.00019
#2	-.00092	.00040	.00644	.11412	.02489	.00003	-.00506	93.354	.00015	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**.00290**	**.04794**	**4.9334**	**.10334**	**22.361**	**-.00018**	**.00303**	**112.39**	**.00106**
Stddev	.00023	.00008	.00146	.0014	.00155	.007	.00004	.00009	.01	.00005
%RSD	18.902	2.5947	3.0412	.02800	1.5046	.03282	23.502	2.9156	.01321	5.0141
#1	.00137	.00295	.04897	4.9324	.10444	22.366	-.00015	.00297	112.38	.00102
#2	.00105	.00285	.04691	4.9344	.10224	22.356	-.00020	.00309	112.40	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00409**	**.00001**	**42.570**	**-.00319**	**.00085**	**13.999**	**.00141**	**.77114**	**-.00676**	**-.00086**
Stddev	.00150	.00022	.110	.00101	.00039	.011	.00069	.00013	.00118	.00008
%RSD	36.646	2449.6	.25796	31.752	46.062	.07818	48.822	.01654	17.465	9.1335
#1	.00303	-.00015	42.493	-.00247	.00112	13.991	.00190	.77123	-.00593	-.00092
#2	.00515	.00016	42.648	-.00391	.00057	14.007	.00092	.77105	-.00760	-.00081
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00402**	**-.00198**	**.00661**	**.00454**	**-.00090**
Stddev	.00475	.00666	.00042	.00042	.00041
%RSD	118.15	336.04	6.3008	9.3315	45.957
#1	.00066	.00273	.00691	.00484	-.00061
#2	.00738	-.00669	.00632	.00424	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4211.9**	**58835.**	**4343.9**
Stddev	1.2	127.	4.6
%RSD	.02868	.21575	.10593
#1	4211.0	58746.	4347.2
#2	4212.7	58925.	4340.7

Sample Name: sd 280-27131-A-1-A@5 Acquired: 4/2/2012 14:27:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.01216**	**.00210**	**.02271**	**.00460**	**.00004**	**-.00287**	**18.485**	**.00008**	**-.00034**
Stddev	.00021	.00024	.00253	.00036	.00015	.00002	.00215	.051	.00001	.00005
%RSD	20.453	1.9432	120.66	1.6023	3.2367	57.753	75.117	.27691	16.508	15.563
#1	-.00116	.01200	.00031	.02245	.00450	.00005	-.00439	18.449	.00007	-.00030
#2	-.00087	.01233	.00388	.02297	.00471	.00002	-.00134	18.521	.00008	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00213**	**.01473**	**.89427**	**.02291**	**4.5276**	**-.00030**	**.00064**	**22.883**	**.00045**
Stddev	.00006	.00001	.00162	.05080	.00031	.0101	.00005	.00001	.160	.00007
%RSD	9.0504	.41930	11.005	5.6807	1.3715	.22262	16.492	1.9897	.69909	15.097
#1	.00065	.00212	.01588	.85835	.02313	4.5204	-.00027	.00063	22.996	.00050
#2	.00074	.00214	.01358	.93019	.02268	4.5347	-.00034	.00065	22.770	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**-.00050**	**8.0945**	**-.00165**	**-.00196**	**2.7268**	**.00020**	**.15480**	**-.00633**	**-.00079**
Stddev	.00134	.00057	.0114	.00141	.00409	.0079	.00099	.00007	.00113	.00029
%RSD	159.44	114.66	.14054	85.884	209.14	.28975	507.42	.04331	17.889	37.011
#1	.00179	-.00091	8.0865	-.00065	-.00485	2.7212	.00090	.15475	-.00553	-.00059
#2	-.00011	-.00009	8.1026	-.00264	.00094	2.7324	-.00051	.15485	-.00713	-.00100
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00834**	**.00088**	**.00342**	**-.00086**
Stddev	.00011	.04037	.00017	.00034	.00020
%RSD	101.36	483.82	18.948	9.8236	23.318
#1	.00003	-.03689	.00100	.00366	-.00100
#2	.00019	.02020	.00076	.00318	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4320.9**	**60566.**	**4327.8**
Stddev	7.1	37.	11.8
%RSD	.16544	.06078	.27245
#1	4315.9	60592.	4336.1
#2	4326.0	60540.	4319.5

Sample Name: 280-27131-A-1-B MS Acquired: 4/2/2012 14:29:43 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05413**	**2.1293**	**1.1064**	**1.2019**	**2.0812**	**.05244**	**2.1510**	**145.03**	**.11036**	**.49934**
Stddev	.00042	.0077	.0071	.0004	.0111	.00037	.0015	.77	.00007	.00021
%RSD	.77875	.36136	.64155	.03130	.53539	.70297	.07157	.53319	.06064	.04269
#1	.05443	2.1238	1.1115	1.2016	2.0733	.05218	2.1500	144.48	.11031	.49949
#2	.05383	2.1347	1.1014	1.2022	2.0891	.05270	2.1521	145.58	.11041	.49919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20471**	**.27544**	**1.0766**	**59.437**	**1.1650**	**75.238**	**.51957**	**1.0283**	**164.90**	**.51481**
Stddev	.00041	.00046	.0025	.332	.0065	.013	.00016	.0013	.83	.00076
%RSD	.20194	.16790	.23298	.55931	.56147	.01685	.03133	.12737	.50346	.14701
#1	.20500	.27577	1.0749	59.202	1.1604	75.247	.51969	1.0293	164.32	.51534
#2	.20442	.27511	1.0784	59.672	1.1696	75.229	.51946	1.0274	165.49	.51427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.449**	**.51230**	**42.955**	**.54642**	**2.2582**	**24.511**	**2.0056**	**1.8379**	**1.0159**	**1.0267**
Stddev	.001	.00059	.022	.00208	.0056	.092	.0003	.0099	.0070	.0007
%RSD	.00556	.11497	.05101	.38049	.24705	.37730	.01342	.54059	.69110	.07082
#1	11.449	.51188	42.940	.54495	2.2542	24.446	2.0054	1.8309	1.0209	1.0272
#2	11.448	.51272	42.971	.54789	2.2621	24.577	2.0058	1.8450	1.0110	1.0262
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9902**	**2.0592**	**.52357**	**.51702**	**.49838**
Stddev	.0040	.0152	.00035	.00184	.00514
%RSD	.20180	.73662	.06741	.35676	1.0321
#1	1.9930	2.0485	.52382	.51572	.49475
#2	1.9873	2.0700	.52332	.51833	.50202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4160.4**	**57636.**	**4342.4**
Stddev	2.1	39.	6.3
%RSD	.05067	.06751	.14524
#1	4161.9	57663.	4346.9
#2	4158.9	57608.	4337.9

Sample Name: 280-27131-A-1-C MSD Acquired: 4/2/2012 14:31:58 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05291**	**2.1207**	**1.1048**	**1.2001**	**2.0797**	**.05247**	**2.1405**	**144.39**	**.11033**	**.49775**
Stddev	.00055	.0072	.0003	.0002	.0033	.00002	.0006	.24	.00011	.00017
%RSD	1.0454	.34118	.02729	.01574	.16073	.03175	.02956	.16953	.10123	.03354
#1	.05252	2.1156	1.1046	1.2000	2.0820	.05245	2.1400	144.57	.11041	.49786
#2	.05330	2.1258	1.1050	1.2002	2.0773	.05248	2.1409	144.22	.11025	.49763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20392**	**.27476**	**1.0632**	**59.491**	**1.1653**	**74.801**	**.51794**	**1.0282**	**164.83**	**.51301**
Stddev	.00028	.00000	.0026	.042	.0038	.186	.00160	.0001	.24	.00067
%RSD	.13959	.00091	.24298	.07005	.32899	.24819	.30848	.00701	.14603	.13128
#1	.20372	.27476	1.0614	59.521	1.1626	74.932	.51907	1.0282	165.00	.51349
#2	.20412	.27476	1.0650	59.462	1.1680	74.669	.51681	1.0281	164.66	.51254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.410**	**.51085**	**42.620**	**.54231**	**2.2482**	**24.517**	**1.9957**	**1.8398**	**1.0063**	**1.0213**
Stddev	.000	.00102	.016	.00104	.0121	.105	.0029	.0027	.0101	.0017
%RSD	.00104	.19913	.03852	.19115	.53895	.43003	.14783	.14452	1.0003	.16867
#1	11.410	.51157	42.608	.54157	2.2396	24.591	1.9937	1.8417	1.0134	1.0225
#2	11.410	.51014	42.631	.54304	2.2568	24.442	1.9978	1.8379	.99917	1.0201
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9908**	**2.0796**	**.52002**	**.51391**	**.50326**
Stddev	.0001	.0305	.00232	.00142	.00217
%RSD	.00707	1.4680	.44617	.27584	.43134
#1	1.9909	2.0580	.52166	.51492	.50173
#2	1.9907	2.1012	.51838	.51291	.50480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4155.7**	**57853.**	**4343.1**
Stddev	4.5	7.	12.8
%RSD	.10710	.01284	.29560
#1	4152.6	57858.	4334.0
#2	4158.9	57848.	4352.2

Sample Name: 280-27131-A-2-A Acquired: 4/2/2012 14:34:13 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113645 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00145**	**.00192**	**.00036**	**.29256**	**.00812**	**.00003**	**-.00405**	**44.915**	**-.00001**	**-.00001**
Stddev	.00021	.00030	.00202	.00046	.00038	.00009	.00101	.112	.00006	.00021
%RSD	14.315	15.763	564.20	.15628	4.7194	305.03	24.971	.24898	802.47	1518.8
#1	-.00131	.00170	-.00107	.29289	.00839	.00009	-.00476	44.994	-.00005	.00013
#2	-.00160	.00213	.00178	.29224	.00785	-.00003	-.00333	44.836	.00004	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00223**	**.00598**	**.10125**	**3.7947**	**.08945**	**4.0474**	**.07538**	**.17795**	**129.40**	**.00123**
Stddev	.00011	.00011	.00178	.0574	.00028	.0072	.00012	.00015	.04	.00004
%RSD	4.8580	1.8374	1.7589	1.5126	.31637	.17805	.15700	.08645	.03058	3.2241
#1	.00215	.00590	.10251	3.8353	.08965	4.0525	.07547	.17784	129.43	.00126
#2	.00230	.00606	.09999	3.7541	.08925	4.0423	.07530	.17806	129.38	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04809**	**.00099**	**54.173**	**-.00053**	**.00029**	**18.087**	**.00059**	**.36581**	**-.00876**	**-.00070**
Stddev	.00058	.00098	.061	.00141	.00035	.074	.00166	.00039	.00066	.00010
%RSD	1.2150	99.793	.11337	265.79	120.55	.40751	282.15	.10617	7.5103	14.587
#1	.04768	.00168	54.130	.00047	.00053	18.139	-.00058	.36609	-.00923	-.00077
#2	.04851	.00029	54.217	-.00153	.00004	18.035	.00176	.36554	-.00830	-.00063
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00589**	**.01186**	**.00147**	**.00767**	**-.00154**
Stddev	.00164	.01679	.00020	.00005	.00128
%RSD	27.774	141.64	13.883	.63346	83.256
#1	.00473	-.00002	.00133	.00770	-.00245
#2	.00705	.02373	.00161	.00763	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4279.5**	**59347.**	**4398.1**
Stddev	6.1	130.	18.2
%RSD	.14184	.21950	.41463
#1	4283.8	59439.	4385.3
#2	4275.2	59255.	4411.0

Sample Name: CCVH-1338467 Acquired: 4/2/2012 14:36:40 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**50.756**	**-.00172**	**.00360**	**-.00043**	**.00008**	**1.0398**	**.01257**	**-.00180**	**.00214**	**.00051**	**.00430**	**51.811**
Stddev	.00002	.076	.00155	.00020	.00012	.00012	.0077	.00749	.00002	.00004	.00002	.00021	.083
%RSD	2.4368	.15059	90.249	5.6437	27.365	150.76	.74229	59.559	1.2943	1.8849	4.2829	4.9360	.16008
#1	.00084	50.701	-.00281	.00345	-.00051	.00016	1.0343	.01787	-.00181	.00216	.00052	.00445	51.870
#2	.00087	50.810	-.00062	.00374	-.00034	-.00001	1.0453	.00728	-.00178	.00211	.00049	.00415	51.753
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02412**	**.00285**	**-.04594**	**-.00115**	**-.00087**	**257.19**	**.00206**	**.00354**	**.00055**	**5.4209**	**-.00715**	**-.00823**	**.00000**
Stddev	.00754	.00061	.00277	.00003	.00003	.23	.00015	.00200	.00271	.0042	.00089	.00043	.00987
%RSD	31.258	21.433	6.0288	2.3629	3.0468	.08934	7.1934	56.669	490.36	.07777	12.464	5.2252	519390.
#1	-.01879	.00242	-.04790	-.00117	-.00085	257.02	.00195	.00495	-.00137	5.4239	-.00652	-.00853	.00698
#2	-.02945	.00328	-.04398	-.00113	-.00089	257.35	.00216	.00212	.00247	5.4180	-.00778	-.00792	-.00698
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00254**	**.00034**	**4.9676**	**.00316**	**.00219**	**10.168**	**.00786**	**.00240**	**-.02810**
Stddev	.00026	.00002	.0095	.00009	.00207	.042	.00008	.00019	.00388
%RSD	10.044	5.1766	.19061	2.6999	94.423	.41558	1.0119	7.8017	13.799
#1	.00236	.00032	4.9609	.00322	.00365	10.138	.00792	.00227	-.03084
#2	.00272	.00035	4.9743	.00310	.00073	10.198	.00781	.00253	-.02536
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4247.5**	**58961.**	**4311.3**
Stddev	7.8	43.	19.7
%RSD	.18464	.07329	.45794
#1	4253.0	58991.	4297.3
#2	4241.9	58930.	4325.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 14:39:05 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52098**	F **.56742**	**1.0556**	**.53734**	**.50512**	**.51020**	**.00150**	**5.1160**	**.52868**	**.51234**	**.50593**	**.53570**
Stddev	.00043	.00694	.0050	.00170	.00002	.00001	.00254	.0025	.00104	.00077	.00035	.00074
%RSD	.08168	1.2225	.47477	.31639	.00396	.00283	169.60	.04871	.19748	.15014	.06943	.13887
#1	.52128	.57232	1.0591	.53855	.50513	.51021	.00330	5.1177	.52942	.51288	.50618	.53622
#2	.52068	.56251	1.0520	.53614	.50510	.51019	-.00030	5.1142	.52794	.51179	.50569	.53517
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5573**	**51.909**	**1.0322**	**21.184**	**.51012**	**.50803**	**5.0473**	**.52249**	**1.0714**	**1.0504**	**.01361**	**1.0712**
Stddev	.0008	.057	.0014	.020	.00007	.00052	.0037	.00050	.0065	.0046	.02828	.0018
%RSD	.02932	.10973	.13118	.09226	.01447	.10233	.07436	.09547	.60175	.44154	207.87	.17152
#1	2.5579	51.949	1.0332	21.170	.51007	.50839	5.0446	.52214	1.0760	1.0536	.03361	1.0699
#2	2.5568	51.869	1.0313	21.197	.51017	.50766	5.0499	.52284	1.0669	1.0471	-.00639	1.0725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0984**	**5.1393**	**1.0115**	**.51635**	**-.00701**	**.50052**	**1.0755**	**.00450**	**.49574**	**.51318**	**.50821**
Stddev	.0024	.0344	.0010	.00048	.00131	.00109	.0050	.01967	.00094	.00022	.00070
%RSD	.21618	.66919	.09744	.09366	18.649	.21687	.46974	437.27	.18864	.04215	.13711
#1	1.0967	5.1150	1.0122	.51601	-.00793	.49975	1.0790	.01841	.49640	.51303	.50771
#2	1.1001	5.1636	1.0108	.51669	-.00608	.50129	1.0719	-.00941	.49508	.51334	.50870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4335.8**	**60447.**	**4390.0**
Stddev	1.5	233.	.9
%RSD	.03345	.38532	.02022
#1	4336.8	60611.	4390.6
#2	4334.8	60282.	4389.4

Sample Name: CCB Acquired: 4/2/2012 14:41:22 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**-.00099**	**.00098**	**.00153**	**-.00049**	**.00011**	**-.00385**	**.00249**	**.00031**	**-.00009**
Stddev	.00041	.00038	.00084	.00065	.00033	.00009	.00125	.00128	.00005	.00028
%RSD	84.046	38.202	85.790	42.866	67.095	79.436	32.548	51.253	15.743	331.55
#1	-.00020	-.00126	.00038	.00199	-.00073	.00018	-.00474	.00339	.00034	.00011
#2	-.00079	-.00073	.00157	.00106	-.00026	.00005	-.00297	.00159	.00027	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00125**	**-.00142**	**-.03807**	**.00240**	W **-.02003**	F **-.00055**	**.00094**	**-.07484**	**-.00023**
Stddev	.00014	.00038	.00325	.03788	.00069	.00066	.00005	.00023	.00176	.00006
%RSD	75.017	30.616	229.51	99.495	28.613	3.3016	9.5415	24.051	2.3548	25.034
#1	-.00029	.00152	-.00372	-.01129	.00191	-.01957	-.00058	.00078	-.07609	-.00019
#2	-.00009	.00098	.00088	-.06486	.00288	-.02050	-.00051	.00110	-.07360	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.01070	.00051			
Low Limit						-.01070	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.00079**	**-.00606**	W **.00478**	**-.00127**	**.00276**	**.00028**	**.00016**	**-.00630**	**-.00029**
Stddev	.00178	.00016	.00146	.00209	.00250	.00051	.00027	.00003	.00010	.00005
%RSD	138.45	20.096	24.029	43.679	197.31	18.537	95.719	16.230	1.5158	17.711
#1	-.00003	.00068	-.00709	.00330	.00050	.00312	.00009	.00014	-.00624	-.00032
#2	-.00255	.00090	-.00503	.00625	-.00304	.00240	.00047	.00018	-.00637	-.00025
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00191**	**-.00818**	**-.00102**	**.00183**	**-.00116**
Stddev	.00010	.02984	.00108	.00006	.00289
%RSD	5.1929	364.70	105.90	3.2078	249.35
#1	-.00198	-.02928	-.00026	.00187	-.00320
#2	-.00184	.01292	-.00179	.00179	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4282.4**	**60934.**	**4284.7**
Stddev	10.0	50.	4.0
%RSD	.23342	.08195	.09425
#1	4275.3	60899.	4281.8
#2	4289.5	60969.	4287.5

Sample Name: CCVL1341782 Acquired: 4/2/2012 14:43:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00918**	**.11426**	**.01739**	**.10458**	**.00956**	**.00115**	**.11177**	**.20370**	**.00565**	**.01040**	**.01036**
Stddev	.00051	.00080	.00049	.00062	.00014	.00006	.00259	.00366	.00015	.00000	.00005
%RSD	5.5229	.70121	2.8305	.59652	1.5156	4.9727	2.3195	1.7985	2.6869	.01078	.51749
#1	.00882	.11370	.01773	.10414	.00966	.00111	.10994	.20629	.00575	.01040	.01040
#2	.00954	.11483	.01704	.10502	.00946	.00119	.11361	.20111	.00554	.01040	.01032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01850**	**.10424**	**3.0459**	W **.01297**	**.19498**	**.01001**	**.02026**	**.96052**	**.04255**	**3.1011**	**.01050**
Stddev	.00015	.00296	.0002	.00133	.00065	.00001	.00005	.00576	.00063	.0034	.00123
%RSD	.79571	2.8374	.00762	10.257	.33295	.08323	.26576	.60009	1.4733	.10856	11.721
#1	.01860	.10633	3.0457	.01203	.19452	.01001	.02030	.95645	.04299	3.0987	.00963
#2	.01840	.10215	3.0461	.01391	.19543	.01002	.02022	.96460	.04210	3.1035	.01137
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00280**	**.01027**	**.01416**	**.51037**	**.10249**	**.01057**	F **.00826**	**.00931**	**.01598**	**.07113**	**.00936**
Stddev	.00119	.00205	.00008	.00146	.00033	.00020	.00044	.00031	.00146	.00046	.00032
%RSD	42.526	19.932	.52992	.28629	.32212	1.8648	5.2960	3.3397	9.1551	.65012	3.4076
#1	-.00364	.00882	.01411	.50934	.10226	.01071	.00795	.00953	.01495	.07080	.00914
#2	-.00196	.01172	.01422	.51141	.10272	.01043	.00857	.00909	.01702	.07145	.00959
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.01500				
Range							-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02264**	**.01506**
Stddev	.00040	.00181
%RSD	1.7683	12.002
#1	.02236	.01634
#2	.02293	.01379
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4363.6**	**61677.**	**4369.7**
Stddev	3.8	225.	.5
%RSD	.08648	.36474	.01234
#1	4361.0	61836.	4370.1
#2	4366.3	61518.	4369.3

Sample Name: MB 280-113604/1-B Acquired: 4/2/2012 14:46:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.00524**	**.00374**	**-.00046**	W **-.00069**	**.00012**	**-.00151**	**.00031**	**.00011**	**.00002**
Stddev	.00029	.00650	.00240	.00032	.00035	.00005	.00076	.00138	.00002	.00021
%RSD	36.620	124.06	64.058	68.362	49.948	42.892	50.418	447.91	15.954	948.39
#1	-.00098	.00984	.00544	-.00069	-.00094	.00015	-.00097	.00128	.00010	.00017
#2	-.00058	.00064	.00205	-.00024	-.00045	.00008	-.00204	-.00067	.00012	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	W **.00179**	**.00079**	**-.07600**	**.00174**	W **-.02158**	W **-.00054**	**.00007**	W **-.10829**	**.00038**
Stddev	.00011	.00023	.00373	.02531	.00122	.00249	.00000	.00019	.00589	.00020
%RSD	414.84	12.711	469.41	33.302	70.336	11.528	.08551	283.53	5.4385	53.565
#1	.00005	.00195	-.00184	-.05810	.00260	-.02334	-.00054	-.00007	-.10412	.00052
#2	-.00010	.00163	.00343	-.09389	.00087	-.01982	-.00054	.00020	-.11245	.00023
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit		.00136				.01070	.00025		.09160	
Low Limit		-.00136				-.01070	-.00025		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**.00019**	**.00810**	**.00077**	**-.00425**	**.00749**	**.00016**	**.00010**	W **-.00675**	**-.00036**
Stddev	.00085	.00024	.01185	.00026	.00109	.02731	.00077	.00009	.00130	.00012
%RSD	24.822	127.31	146.29	33.634	25.633	364.56	472.28	91.643	19.185	32.598
#1	.00404	.00036	.01648	.00096	-.00501	-.01182	.00071	.00004	-.00584	-.00028
#2	.00284	.00002	-.00028	.00059	-.00348	.02680	-.00038	.00017	-.00767	-.00045
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00495	
Low Limit									-.00495	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**-.01138**	**-.00062**	**.00265**	**.00031**
Stddev	.00216	.01399	.00025	.00028	.00065
%RSD	269.38	122.96	40.296	10.403	211.10
#1	-.00233	-.02127	-.00045	.00245	.00076
#2	.00073	-.00149	-.00080	.00284	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4401.3**	**62226.**	**4411.3**
Stddev	2.7	106.	5.7
%RSD	.06127	.16975	.12920
#1	4399.4	62300.	4407.3
#2	4403.2	62151.	4415.4

Sample Name: LCS 280-113604/2-B Acquired: 4/2/2012 14:48:57 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05206**	**2.1355**	**1.0656**	**1.0799**	**2.0271**	**.05160**	**2.1428**	**50.714**	**.10821**	**.49750**
Stddev	.00052	.0138	.0006	.0046	.0060	.00001	.0066	.078	.00003	.00029
%RSD	.98940	.64722	.05756	.42352	.29558	.02831	.30913	.15311	.02527	.05868
#1	.05170	2.1257	1.0660	1.0767	2.0229	.05161	2.1381	50.659	.10823	.49771
#2	.05243	2.1452	1.0651	1.0832	2.0314	.05159	2.1475	50.769	.10819	.49729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20046**	**.26911**	**1.0191**	**52.520**	**1.0370**	**52.309**	**.51291**	**1.0121**	**51.292**	**.51493**
Stddev	.00026	.00068	.0034	.217	.0005	.086	.00099	.0000	.005	.00053
%RSD	.12823	.25348	.32904	.41307	.04796	.16422	.19218	.00326	.01013	.10274
#1	.20028	.26959	1.0168	52.367	1.0367	52.370	.51361	1.0121	51.296	.51456
#2	.20064	.26863	1.0215	52.673	1.0374	52.248	.51222	1.0121	51.289	.51530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.023**	**.51525**	**.00139**	**.53491**	F **2.2128**	**10.285**	**1.9893**	**1.0440**	**.99112**	**1.0042**
Stddev	.004	.00218	.00106	.00360	.0047	.045	.0032	.0032	.00034	.0009
%RSD	.03280	.42230	76.152	.67241	.21261	.43314	.16084	.31134	.03475	.09365
#1	11.021	.51372	.00064	.53237	2.2161	10.254	1.9870	1.0417	.99136	1.0049
#2	11.026	.51679	.00214	.53745	2.2094	10.317	1.9916	1.0463	.99087	1.0035
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					2.2000					
Low Limit					1.8000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0690**	**2.0655**	**.50289**	**.50812**	**.49578**
Stddev	.0034	.0458	.00004	.00252	.00544
%RSD	.16504	2.2195	.00845	.49585	1.0982
#1	2.0666	2.0979	.50286	.50990	.49193
#2	2.0714	2.0331	.50292	.50634	.49963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4247.8**	**59350.**	**4373.7**
Stddev	8.3	402.	1.4
%RSD	.19428	.67685	.03117
#1	4241.9	59066.	4372.8
#2	4253.6	59634.	4374.7

Sample Name: 280-27101-C-1-B Acquired: 4/2/2012 14:51:13 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.00973**	**.00582**	**1.8707**	**.16372**	**.00004**	**.00046**	**145.77**	**.00022**	**.00684**
Stddev	.00060	.00153	.00046	.0028	.00085	.00001	.00127	.26	.00009	.00002
%RSD	59.638	15.763	7.8500	.14773	.52177	28.080	273.93	.17509	40.097	.33402
#1	-.00143	.00865	.00550	1.8687	.16432	.00005	-.00043	145.95	.00016	.00682
#2	-.00058	.01082	.00615	1.8726	.16311	.00003	.00136	145.59	.00028	.00686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.01886**	**.03993**	**50.787**	**.00422**	**76.288**	**.01062**	**.00736**	**291.94**	**.04017**
Stddev	.00000	.00066	.00018	.049	.00026	.148	.00004	.00065	.28	.00012
%RSD	.24069	3.5028	.44073	.09716	6.2121	.19356	.37272	8.8332	.09690	.29639
#1	.00139	.01839	.04005	50.822	.00440	76.392	.01065	.00690	292.14	.04008
#2	.00139	.01933	.03980	50.752	.00403	76.183	.01059	.00782	291.74	.04025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41062**	**.00059**	**71.892**	**-.00097**	**-.00250**	**8.5603**	**.00026**	**.90923**	**-.00756**	**.00073**
Stddev	.00122	.00094	.075	.00229	.00179	.0309	.00033	.00145	.00010	.00013
%RSD	.29701	158.46	.10373	236.58	71.533	.36105	125.46	.15981	1.3863	17.533
#1	.40975	.00126	71.840	.00065	-.00124	8.5822	.00003	.91025	-.00749	.00064
#2	.41148	-.00007	71.945	-.00259	-.00376	8.5385	.00049	.90820	-.00763	.00082
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00536**	**-.00856**	**.00435**	**.01290**	**.00015**
Stddev	.00111	.00907	.00041	.00005	.00187
%RSD	20.718	105.94	9.3579	.35328	1224.2
#1	.00457	-.01497	.00406	.01287	-.00117
#2	.00614	-.00215	.00464	.01293	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4105.0**	**57168.**	**4354.2**
Stddev	1.5	82.	15.1
%RSD	.03616	.14379	.34772
#1	4106.1	57110.	4364.9
#2	4104.0	57226.	4343.5

Sample Name: 280-27101-C-2-B Acquired: 4/2/2012 14:53:42 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.00959**	**.00320**	**1.5796**	**.10437**	**.00001**	**-.00248**	**154.44**	**.00050**	**.00718**
Stddev	.00087	.00017	.00442	.0002	.00025	.00004	.00101	.23	.00006	.00014
%RSD	57.635	1.7508	138.19	.01193	.23858	330.25	40.709	.14599	12.540	1.9917
#1	-.00214	.00947	.00633	1.5794	.10454	-.00002	-.00319	154.60	.00045	.00729
#2	-.00090	.00971	.00007	1.5797	.10419	.00004	-.00176	154.28	.00054	.00708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00212**	**.02780**	**.04988**	**36.165**	**.00794**	**91.985**	**.01614**	**.00393**	**339.55**	**.07676**
Stddev	.00034	.00041	.00007	.113	.00008	.011	.00003	.00017	.77	.00037
%RSD	15.995	1.4839	.14828	.31160	1.0200	.01239	.18383	4.3785	.22580	.47995
#1	.00236	.02809	.04994	36.244	.00800	91.977	.01616	.00381	340.09	.07650
#2	.00188	.02751	.04983	36.085	.00788	91.993	.01612	.00406	339.00	.07702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48400**	**-.00063**	**79.380**	**-.00036**	**-.00281**	**8.1027**	**.00057**	**.90785**	W **-.01004**	**.00076**
Stddev	.00180	.00005	.116	.00328	.00664	.0126	.00028	.00190	.00141	.00015
%RSD	.37137	7.2706	.14581	900.39	236.47	.15494	48.196	.20910	14.082	20.059
#1	.48528	-.00066	79.462	-.00268	.00189	8.1115	.00077	.90919	-.01104	.00065
#2	.48273	-.00059	79.298	.00195	-.00750	8.0938	.00038	.90651	-.00904	.00086
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									45.000	
Low Limit									-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00309**	**.00624**	**.00903**	**.00119**
Stddev	.00076	.01402	.00043	.00006	.00142
%RSD	450.72	454.40	6.9033	.69231	119.16
#1	.00037	-.00683	.00655	.00899	.00019
#2	-.00071	.01300	.00594	.00908	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4079.4**	**56592.**	**4346.3**
Stddev	7.4	66.	11.5
%RSD	.18253	.11575	.26504
#1	4084.6	56546.	4338.2
#2	4074.1	56638.	4354.4

Sample Name: 280-27101-C-3-B Acquired: 4/2/2012 14:56:16 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.00745**	**.00612**	**.68957**	**.07645**	**-.00002**	**-.00488**	**156.79**	**.00037**	**.00117**
Stddev	.00033	.00047	.00135	.00106	.00070	.00003	.00052	.22	.00001	.00016
%RSD	41.867	6.2818	22.042	.15441	.91584	133.45	10.581	.14260	1.5342	13.636
#1	-.00101	.00778	.00707	.68882	.07595	-.00005	-.00452	156.95	.00036	.00128
#2	-.00055	.00712	.00516	.69032	.07694	.00000	-.00525	156.63	.00037	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.02130**	**.04418**	**34.707**	**.02253**	**85.110**	**.03892**	**.00593**	**434.92**	**.02859**
Stddev	.00021	.00033	.00000	.168	.00013	.002	.00009	.00021	.37	.00001
%RSD	19.877	1.5458	.00435	.48333	.58644	.00204	.22860	3.5119	.08600	.04263
#1	.00091	.02153	.04419	34.826	.02244	85.111	.03898	.00578	435.18	.02860
#2	.00121	.02106	.04418	34.589	.02262	85.108	.03886	.00607	434.66	.02858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.83702**	**-.00077**	**125.73**	**.00234**	**-.00265**	**10.654**	**-.00016**	**.79498**	**-.00913**	**.00070**
Stddev	.00109	.00033	.06	.00271	.00800	.051	.00097	.00120	.00013	.00036
%RSD	.13064	42.121	.04915	115.54	302.14	.47442	601.71	.15096	1.4030	51.271
#1	.83624	-.00100	125.78	.00426	-.00831	10.689	-.00085	.79583	-.00904	.00045
#2	.83779	-.00054	125.69	.00043	.00301	10.618	.00053	.79413	-.00922	.00096
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.02316**	**.00991**	**.00844**	**-.00097**
Stddev	.00003	.01737	.00032	.00028	.00072
%RSD	2.5275	74.981	3.2044	3.3255	74.823
#1	-.00101	.03544	.00968	.00824	-.00148
#2	-.00098	.01088	.01013	.00864	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4056.3**	**56381.**	**4312.4**
Stddev	2.1	20.	25.0
%RSD	.05241	.03460	.57894
#1	4054.8	56368.	4294.7
#2	4057.8	56395.	4330.0

Sample Name: 280-27101-C-4-B Acquired: 4/2/2012 14:58:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00121**	**.02994**	**.00165**	**.16541**	**.04379**	**.00006**	**-.00338**	**64.264**	**.00016**	**.00020**
Stddev	.00060	.00168	.00155	.00144	.00016	.00006	.00224	.116	.00004	.00003
%RSD	49.862	5.6151	93.706	.87184	.36042	106.11	66.388	.18083	26.656	16.794
#1	-.00078	.02876	.00275	.16643	.04390	.00010	-.00179	64.346	.00013	.00018
#2	-.00164	.03113	.00056	.16439	.04367	.00001	-.00497	64.182	.00019	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**.00998**	**.06326**	**11.772**	**.00576**	**25.242**	**.00366**	**.00471**	**50.151**	**.00957**
Stddev	.00004	.00002	.00111	.011	.00015	.032	.00002	.00027	.131	.00005
%RSD	1.9558	.19230	1.7540	.09755	2.5411	.12839	.48378	5.8293	.26162	.54551
#1	.00183	.01000	.06248	11.780	.00586	25.219	.00367	.00452	50.058	.00961
#2	.00188	.00997	.06405	11.764	.00566	25.265	.00365	.00491	50.243	.00954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64060**	**.00130**	**37.569**	**.00014**	**-.00123**	**11.235**	**-.00013**	**.34008**	**-.00683**	**.00183**
Stddev	.00399	.00067	.013	.00034	.00045	.004	.00029	.00066	.00003	.00041
%RSD	.62236	51.634	.03398	242.23	36.971	.03809	219.23	.19531	.44467	22.584
#1	.64342	.00083	37.560	.00038	-.00091	11.238	.00007	.34055	-.00685	.00154
#2	.63778	.00178	37.578	-.00010	-.00155	11.232	-.00034	.33961	-.00681	.00212
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.01345**	**.00426**	**.00615**	**-.00228**
Stddev	.00008	.03942	.00027	.00004	.00042
%RSD	14.001	292.95	6.3141	.72495	18.328
#1	.00064	-.04133	.00407	.00618	-.00198
#2	.00053	.01442	.00445	.00612	-.00257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4279.9**	**59854.**	**4403.7**
Stddev	3.8	88.	5.2
%RSD	.08948	.14690	.11877
#1	4277.2	59916.	4407.4
#2	4282.6	59792.	4400.0

Sample Name: sd 280-27101-C-4-B@5 Acquired: 4/2/2012 15:01:18 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00132**	**.00593**	**.00181**	**.03410**	**.00829**	**.00015**	**-.00447**	**13.175**	**.00012**	**-.00016**
Stddev	.00019	.00106	.00418	.00057	.00023	.00004	.00131	.029	.00001	.00004
%RSD	14.734	17.823	230.62	1.6651	2.7812	26.967	29.349	.22243	7.1341	25.261
#1	-.00118	.00668	-.00114	.03369	.00845	.00012	-.00354	13.154	.00012	-.00013
#2	-.00145	.00518	.00477	.03450	.00812	.00017	-.00539	13.196	.00011	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.00346**	**.01826**	**2.3166**	**.00273**	**5.1277**	**.00036**	**.00059**	F **10.007**	**10.227**
Stddev	.00005	.00018	.00139	.0053	.00046	.0065	.00001	.00004	.002	.243
%RSD	5.6914	5.3468	7.6312	.22722	16.963	.12584	3.1785	6.9962	.01795	2.3756
#1	.00085	.00332	.01727	2.3128	.00306	5.1322	.00035	.00062	10.006	10.399
#2	.00078	.00359	.01924	2.3203	.00241	5.1231	.00037	.00056	10.008	10.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10.000	
Low Limit									-1.0000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00233**	**.12556**	**.00048**	**7.2504**	**-.00009**	**-.00281**	**2.2363**	**-.00039**	**.06940**	**-.00870**
Stddev	.00025	.00184	.00093	.0123	.00085	.00209	.0081	.00035	.00006	.00110
%RSD	10.931	1.4623	193.70	.16924	924.10	74.331	.36326	90.510	.08181	12.589
#1	.00215	.12686	-.00018	7.2590	-.00069	-.00133	2.2305	-.00014	.06936	-.00948
#2	.00251	.12426	.00114	7.2417	.00051	-.00429	2.2420	-.00064	.06944	-.00793
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00024**	**-.01699**	**.00025**	**.00323**	**-.00149**
Stddev	.00007	.00139	.00778	.00031	.00026	.00025
%RSD	123.39	567.72	45.764	125.97	8.1400	16.885
#1	-.00001	.00123	-.01149	.00047	.00304	-.00166
#2	-.00010	-.00074	-.02249	.00003	.00341	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4352.7**	**61444.**	**4391.8**
Stddev	3.1	345.	15.6
%RSD	.07011	.56104	.35427
#1	4354.8	61200.	4402.8
#2	4350.5	61688.	4380.8

Sample Name: 280-27101-C-4-C MS Acquired: 4/2/2012 15:03:48 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05180**	**2.1221**	**1.0744**	**1.2284**	**2.0598**	**.05138**	**2.1146**	**114.34**	**.10761**	**.49202**
Stddev	.00003	.0223	.0117	.0032	.0037	.00024	.0077	.24	.00059	.00272
%RSD	.05349	1.0524	1.0879	.26191	.18134	.47565	.36580	.20791	.54989	.55192
#1	.05182	2.1063	1.0661	1.2261	2.0572	.05121	2.1092	114.17	.10719	.49010
#2	.05178	2.1379	1.0826	1.2306	2.0625	.05155	2.1201	114.50	.10803	.49394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20048**	**.27786**	**1.0797**	**64.467**	**1.0366**	**76.332**	**.50936**	**1.0100**	**100.91**	**.51400**
Stddev	.00022	.00018	.0046	.212	.0057	.164	.00105	.0039	.07	.00218
%RSD	.10764	.06421	.43012	.32828	.55082	.21477	.20552	.38183	.07399	.42450
#1	.20033	.27798	1.0764	64.318	1.0325	76.448	.51010	1.0073	100.96	.51246
#2	.20063	.27773	1.0830	64.617	1.0406	76.216	.50862	1.0128	100.86	.51554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.806**	**.50405**	**37.310**	**.53531**	**2.1926**	**21.433**	**1.9633**	**1.3737**	**.99035**	**1.0077**
Stddev	.071	.00290	.176	.00307	.0019	.018	.0091	.0025	.00440	.0028
%RSD	.60154	.57541	.47190	.57370	.08616	.08406	.46231	.18285	.44465	.27688
#1	11.756	.50200	37.186	.53314	2.1912	21.420	1.9569	1.3720	.99347	1.0097
#2	11.856	.50610	37.435	.53748	2.1939	21.446	1.9697	1.3755	.98724	1.0058
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9871**	**2.0173**	**.50633**	**.49974**	**.49180**
Stddev	.0102	.0040	.00071	.00104	.00237
%RSD	.51200	.19900	.13980	.20789	.48253
#1	1.9799	2.0144	.50683	.49901	.49012
#2	1.9943	2.0201	.50583	.50047	.49348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4230.1**	**59050.**	**4409.8**
Stddev	12.8	133.	.4
%RSD	.30147	.22489	.00849
#1	4239.2	58956.	4409.5
#2	4221.1	59144.	4410.1

Sample Name: 280-27101-C-4-D MSD Acquired: 4/2/2012 15:06:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113652 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05314**	**2.1370**	**1.0828**	**1.2485**	**2.0872**	**.05214**	**2.1425**	**115.79**	**.10879**	**.49667**
Stddev	.00071	.0131	.0017	.0003	.0002	.00008	.0003	.17	.00014	.00032
%RSD	1.3394	.61139	.15405	.02211	.00963	.15729	.01597	.14499	.13159	.06430
#1	.05364	2.1277	1.0840	1.2483	2.0871	.05208	2.1428	115.67	.10869	.49644
#2	.05263	2.1462	1.0816	1.2487	2.0874	.05220	2.1423	115.91	.10889	.49689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20330**	**.28242**	**1.1563**	**65.353**	**1.0519**	**77.271**	**.51595**	**1.0255**	**102.45**	**.51927**
Stddev	.00000	.00005	.0017	.045	.0014	.090	.00015	.0007	.53	.00025
%RSD	.00044	.01780	.14740	.06838	.13133	.11707	.02825	.06896	.52102	.04810
#1	.20330	.28246	1.1575	65.384	1.0529	77.207	.51585	1.0260	102.08	.51945
#2	.20330	.28239	1.1551	65.321	1.0510	77.335	.51606	1.0250	102.83	.51909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.937**	**.50938**	**37.868**	**.54589**	**2.2085**	**21.770**	**1.9916**	**1.3935**	**1.0021**	**1.0241**
Stddev	.027	.00095	.016	.00065	.0116	.048	.0006	.0002	.0004	.0004
%RSD	.22680	.18651	.04322	.11986	.52457	.22195	.02748	.01165	.03480	.03660
#1	11.917	.50871	37.856	.54543	2.2003	21.736	1.9920	1.3934	1.0018	1.0238
#2	11.956	.51005	37.880	.54635	2.2167	21.805	1.9912	1.3936	1.0023	1.0244
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0153**	**2.0797**	**.51193**	**.50948**	**.50178**
Stddev	.0024	.0267	.00012	.00006	.00075
%RSD	.12079	1.2855	.02352	.01138	.14905
#1	2.0136	2.0608	.51185	.50944	.50231
#2	2.0170	2.0986	.51202	.50952	.50125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4233.4**	**58906.**	**4390.1**
Stddev	4.1	85.	42.0
%RSD	.09644	.14420	.95689
#1	4230.5	58966.	4419.8
#2	4236.2	58846.	4360.4

Sample Name: CCVH-1338467 Acquired: 4/2/2012 15:08:17 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**49.911**	**-.00052**	**.00604**	**-.00027**	**.00000**	**1.0278**	**.01379**	**-.00160**	**.00191**	**.00063**	**.00373**	**50.969**
Stddev	.00028	.004	.00118	.00009	.00041	.0000	.0047	.00058	.00002	.00002	.00020	.00018	.093
%RSD	38.316	.00777	226.21	1.5172	154.39	565.55	.45851	4.2276	1.2216	.82056	31.346	4.8618	.18212
#1	.00091	49.908	.00031	.00611	.00002	-.00002	1.0245	.01420	-.00158	.00190	.00077	.00361	50.904
#2	.00052	49.914	-.00136	.00598	-.00056	.00001	1.0312	.01337	-.00161	.00192	.00049	.00386	51.035
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00863**	**.00224**	**-.04046**	**-.00104**	**.00026**	**253.15**	**.00200**	**.00612**	**-.00029**	**5.3307**	**-.00659**	**-.00703**	**-.01562**
Stddev	.02581	.00089	.00704	.00005	.00001	.98	.00019	.00092	.00039	.0061	.00386	.00033	.01210
%RSD	299.01	39.887	17.394	4.5295	3.4785	.38709	9.7202	15.088	136.66	.11379	58.503	4.6523	77.487
#1	-.02688	.00161	-.04544	-.00101	.00025	253.84	.00186	.00677	-.00001	5.3349	-.00386	-.00726	-.02418
#2	.00962	.00287	-.03548	-.00107	.00026	252.45	.00213	.00547	-.00056	5.3264	-.00932	-.00680	-.00706
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	**.00040**	**4.9175**	**.00347**	**.00735**	**10.007**	**.00776**	**.00213**	**-.03018**
Stddev	.00035	.00000	.0094	.00018	.00018	.029	.00061	.00053	.00282
%RSD	7.9737	1.2296	.19079	5.1082	2.4620	.28535	7.8793	24.810	9.3450
#1	.00468	.00041	4.9241	.00360	.00722	9.9865	.00819	.00250	-.03218
#2	.00418	.00040	4.9108	.00335	.00748	10.027	.00733	.00175	-.02819
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4256.2**	**59103.**	**4370.0**
Stddev	5.4	200.	10.8
%RSD	.12621	.33867	.24761
#1	4252.4	58962.	4362.4
#2	4260.0	59245.	4377.7

Sample Name: CCV-1338469 Acquired: 4/2/2012 15:10:43 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51656**	F **.55430**	**1.0450**	**.53098**	**.50362**	**.50624**	**.00083**	**5.0878**	**.52260**	**.50890**	**.50187**	**.52821**
Stddev	.00000	.00639	.0075	.00137	.00033	.00004	.00172	.0031	.00055	.00029	.00164	.00184
%RSD	.00075	1.1523	.71594	.25839	.06526	.00841	205.88	.06093	.10467	.05711	.32726	.34906
#1	.51655	.54978	1.0397	.53195	.50339	.50627	.00205	5.0856	.52222	.50869	.50071	.52691
#2	.51656	.55881	1.0503	.53001	.50385	.50621	-.00038	5.0900	.52299	.50911	.50303	.52951
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5469**	**51.450**	**1.0253**	**20.877**	**.50442**	**.50371**	**5.0300**	**.51823**	**1.0588**	**1.0400**	**-.00421**	**1.0536**
Stddev	.0037	.085	.0010	.044	.00017	.00048	.0128	.00079	.0006	.0014	.00581	.0003
%RSD	.14540	.16532	.09571	.21050	.03385	.09593	.25517	.15153	.06144	.13544	137.93	.02463
#1	2.5443	51.390	1.0260	20.846	.50454	.50337	5.0391	.51768	1.0593	1.0410	-.00832	1.0537
#2	2.5495	51.510	1.0246	20.908	.50430	.50405	5.0209	.51879	1.0583	1.0390	-.00010	1.0534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0783**	**5.0962**	**1.0034**	**.51241**	**-.00484**	**.49627**	**1.0577**	**-.01611**	**.49244**	**.50755**	**.50156**
Stddev	.0044	.0252	.0005	.00030	.00205	.00118	.0019	.01301	.00057	.00007	.00138
%RSD	.40983	.49458	.05220	.05898	42.295	.23752	.17820	80.740	.11508	.01388	.27470
#1	1.0814	5.1140	1.0031	.51220	-.00629	.49544	1.0563	-.00691	.49204	.50760	.50254
#2	1.0752	5.0783	1.0038	.51263	-.00339	.49710	1.0590	-.02531	.49284	.50750	.50059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4343.9**	**60785.**	**4382.9**
Stddev	2.0	27.	9.1
%RSD	.04685	.04474	.20825
#1	4342.5	60766.	4376.4
#2	4345.4	60805.	4389.4

Sample Name: CCB Acquired: 4/2/2012 15:13:03 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00095**	**.00659**	**.00265**	F **.00341**	W **-.00063**	**.00013**	**-.00392**	**.00130**	**.00035**	**.00007**
Stddev	.00001	.01025	.00320	.00051	.00005	.00001	.00085	.00506	.00001	.00023
%RSD	1.3225	155.60	120.79	14.961	7.3246	8.5400	21.771	388.40	1.4275	305.66
#1	-.00094	-.00066	.00039	.00305	-.00059	.00012	-.00332	-.00228	.00035	-.00009
#2	-.00096	.01383	.00491	.00377	-.00066	.00013	-.00452	.00488	.00035	.00024
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00312	.00058					
Low Limit	-.00093			-.00312	-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	W **.00173**	**-.00347**	**-.02529**	W **.00318**	W **-.01956**	F **-.00056**	**.00130**	**-.03677**	**-.00030**
Stddev	.00035	.00029	.00188	.00675	.00168	.00040	.00004	.00022	.00465	.00005
%RSD	203.87	16.472	54.137	26.683	52.924	2.0292	8.0401	16.759	12.649	15.033
#1	-.00008	.00194	-.00480	-.02052	.00199	-.01984	-.00059	.00114	-.03348	-.00033
#2	.00042	.00153	-.00214	-.03007	.00437	-.01928	-.00053	.00145	-.04006	-.00027
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136			.00261	.01070	.00051			
Low Limit		-.00136			-.00261	-.01070	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00010**	**.01292**	W **.00443**	W **-.00561**	**-.00365**	**.00090**	**.00005**	**-.00658**	W **-.00082**
Stddev	.00111	.00168	.02898	.00206	.00183	.01819	.00017	.00003	.00067	.00027
%RSD	104.21	1605.2	224.35	46.462	32.670	498.68	18.534	61.720	10.131	33.639
#1	.00185	-.00108	-.00757	.00589	-.00691	-.01651	.00078	.00003	-.00705	-.00062
#2	.00028	.00129	.03340	.00297	-.00432	.00922	.00101	.00007	-.00611	-.00101
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00314	.00486					.00060
Low Limit				-.00314	-.00486					-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**-.02848**	**-.00052**	**.00211**	**-.00171**
Stddev	.00080	.02515	.00028	.00015	.00033
%RSD	55.418	88.304	55.023	6.9422	19.531
#1	.00088	-.01070	-.00032	.00201	-.00148
#2	.00201	-.04626	-.00072	.00222	-.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4211.6**	**60710.**	**4304.6**
Stddev	13.8	227.	.4
%RSD	.32647	.37459	.00893
#1	4221.3	60870.	4304.4
#2	4201.9	60549.	4304.9

Sample Name: CCVL1341782 Acquired: 4/2/2012 15:15:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01016**	**.11320**	**.01753**	**.10515**	**.00917**	**.00102**	**.11347**	**.20011**	**.00566**	**.01056**	**.01013**	**.01790**
Stddev	.00001	.00112	.00056	.00010	.00017	.00008	.00539	.00003	.00017	.00030	.00021	.00006
%RSD	.06415	.98701	3.1893	.09784	1.8783	7.4045	4.7485	.01641	2.9563	2.8796	2.1076	.33407
#1	.01016	.11241	.01793	.10522	.00930	.00096	.11728	.20009	.00578	.01077	.00998	.01786
#2	.01015	.11399	.01714	.10508	.00905	.00107	.10966	.20013	.00554	.01034	.01029	.01794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09854**	**3.0070**	F **.01344**	**.19354**	**.00999**	**.01975**	**.95497**	**.04266**	**3.0867**	**.00944**	**-.00174**	**.01176**
Stddev	.00300	.0695	.00279	.00177	.00004	.00022	.01062	.00001	.0073	.00012	.00215	.00181
%RSD	3.0459	2.3106	20.770	.91319	.40125	1.1068	1.1117	.02660	.23478	1.2819	123.83	15.360
#1	.10066	2.9579	.01541	.19479	.01002	.01960	.94746	.04265	3.0815	.00936	-.00022	.01048
#2	.09642	3.0562	.01147	.19229	.00996	.01991	.96248	.04267	3.0918	.00953	-.00326	.01304
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000									
Range			30.000%									

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01048**	**.52607**	**.10222**	**.01044**	F **.00719**	**.00926**	**.01632**	**.05931**	**.00934**	**.02226**	**.01351**
Stddev	.00101	.00753	.00080	.00006	.00082	.00013	.00050	.00052	.00004	.00009	.00015
%RSD	9.6377	1.4310	.77961	.56467	11.389	1.3609	3.0644	.88188	.44773	.39316	1.0758
#1	.00977	.52075	.10166	.01048	.00661	.00917	.01667	.05968	.00937	.02220	.01341
#2	.01119	.53139	.10279	.01039	.00777	.00935	.01596	.05894	.00931	.02232	.01361
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500				.01500						
Range	-30.000%				-30.000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4365.0**	**61733.**	**4300.6**
Stddev	3.5	82.	73.7
%RSD	.07983	.13266	1.7142
#1	4362.5	61675.	4248.5
#2	4367.4	61791.	4352.8

Sample Name: MB 280-113650/1-A Acquired: 4/2/2012 15:18:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00061**	**.00143**	**.00058**	**-.00073**	**.00011**	**-.00269**	**.00045**	**.00019**	**-.00022**
Stddev	.00028	.00083	.00154	.00044	.00004	.00009	.00071	.00182	.00003	.00007
%RSD	31.028	135.76	107.75	75.221	6.1407	82.303	26.587	406.71	17.478	34.280
#1	-.00070	.00002	.00252	.00027	-.00076	.00005	-.00218	-.00084	.00021	-.00017
#2	-.00110	.00120	.00034	.00089	-.00070	.00018	-.00319	.00174	.00017	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00137**	**-.00204**	**-.10875**	**.00166**	**-.01938**	**-.00058**	**.00006**	**-.08656**	**-.00009**
Stddev	.00005	.00012	.00332	.01828	.00090	.00130	.00005	.00006	.01389	.00001
%RSD	26.420	9.0682	162.56	16.810	54.104	6.7220	7.9764	94.743	16.047	6.3124
#1	-.00016	.00128	-.00439	-.12167	.00103	-.02030	-.00061	.00010	-.09639	-.00008
#2	-.00024	.00145	.00031	-.09582	.00230	-.01845	-.00055	.00002	-.07674	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00210**	**.00003**	**.00030**	**-.00292**	**.00622**	**.00008**	**.00021**	W **-.00656**	**-.00085**
Stddev	.00016	.00223	.00155	.00099	.00191	.00336	.00031	.00005	.00213	.00013
%RSD	26.066	106.05	5309.8	331.64	65.451	53.925	387.96	22.629	32.544	15.483
#1	.00072	-.00367	.00113	-.00040	-.00428	.00860	.00030	.00024	-.00806	-.00094
#2	.00050	-.00053	-.00107	.00100	-.00157	.00385	-.00014	.00017	-.00505	-.00076
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00500	
Low Limit									-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00184**	**-.00013**	**-.00010**	**.00275**	**-.00220**
Stddev	.00055	.00246	.00000	.00040	.00104
%RSD	29.578	1841.5	3.9276	14.586	47.045
#1	-.00223	-.00187	-.00009	.00247	-.00294
#2	-.00146	.00160	-.00010	.00304	-.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.4**	**62146.**	**4376.8**
Stddev	1.2	57.	15.0
%RSD	.02734	.09201	.34312
#1	4363.3	62186.	4387.5
#2	4361.6	62105.	4366.2

Sample Name: LCS 280-113650/2-A Acquired: 4/2/2012 15:20:38 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05096**	**2.1274**	**1.0502**	**1.0536**	**2.0295**	**.05145**	**2.1178**	**50.735**	**.10729**	**.49832**
Stddev	.00007	.0088	.0034	.0030	.0021	.00007	.0043	.066	.00011	.00078
%RSD	.13661	.41476	.32597	.28075	.10229	.13852	.20454	.13044	.09930	.15732
#1	.05101	2.1212	1.0478	1.0515	2.0280	.05150	2.1209	50.689	.10721	.49888
#2	.05091	2.1336	1.0527	1.0557	2.0309	.05140	2.1148	50.782	.10737	.49777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20239**	**.26846**	**1.0687**	**52.609**	**1.0393**	**51.630**	**.51235**	**1.0282**	**51.433**	**.51407**
Stddev	.00044	.00019	.0042	.087	.0014	.008	.00005	.0006	.027	.00069
%RSD	.21739	.07241	.39646	.16623	.13487	.01645	.00976	.05678	.05222	.13468
#1	.20271	.26860	1.0657	52.547	1.0384	51.636	.51231	1.0278	51.414	.51455
#2	.20208	.26833	1.0717	52.671	1.0403	51.624	.51238	1.0286	51.452	.51358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.801**	**.51384**	**.00685**	**.53019**	**2.1236**	**10.370**	**1.9959**	**1.0465**	**.99633**	**1.0156**
Stddev	.025	.00087	.00044	.00312	.0037	.032	.0007	.0011	.00305	.0013
%RSD	.23430	.16874	6.4675	.58805	.17210	.31041	.03719	.10301	.30641	.13182
#1	10.783	.51445	.00654	.53240	2.1210	10.348	1.9965	1.0457	.99849	1.0166
#2	10.819	.51323	.00717	.52799	2.1262	10.393	1.9954	1.0472	.99417	1.0147
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0510**	**2.0919**	**.50478**	**.50663**	**.49927**
Stddev	.0024	.0111	.00103	.00137	.00200
%RSD	.11661	.52875	.20330	.27019	.39960
#1	2.0493	2.0997	.50550	.50566	.50068
#2	2.0526	2.0841	.50405	.50759	.49786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4213.7**	**58849.**	**4328.3**
Stddev	7.8	16.	16.3
%RSD	.18627	.02709	.37752
#1	4208.1	58838.	4316.7
#2	4219.2	58861.	4339.8

Sample Name: 280-27122-A-1-D Acquired: 4/2/2012 15:22:53 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.24303**	**.00050**	**.02124**	**.01359**	**.00022**	**-.00550**	**.95473**	**.00040**	**.00152**
Stddev	.00010	.00132	.00062	.00115	.00019	.00003	.00061	.00128	.00012	.00022
%RSD	8.8846	.54323	124.73	5.4219	1.3972	11.941	11.018	.13458	29.908	14.733
#1	-.00102	.24210	.00006	.02205	.01372	.00020	-.00507	.95383	.00048	.00137
#2	-.00115	.24397	.00094	.02042	.01345	.00024	-.00593	.95564	.00031	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**.00208**	**.31157**	**1.3323**	**.01384**	**.61653**	**.00791**	**.00093**	W **9.4594**	W **9.6225**
Stddev	.00015	.00010	.00405	.0084	.00063	.00096	.00000	.00020	.0324	.2849
%RSD	4.1856	4.6666	1.3002	.62879	4.5665	.15585	.05186	21.607	.34235	2.9607
#1	.00353	.00201	.30871	1.3264	.01339	.61585	.00792	.00107	9.4823	9.4210
#2	.00375	.00215	.31444	1.3382	.01428	.61721	.00791	.00079	9.4365	9.8239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit									9.0000	500.00
Low Limit									-.50000	10.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**.01081**	**.00047**	**3.7005**	**.00215**	**-.00179**	**25.042**	**.00037**	**.01483**	**-.00556**
Stddev	.00019	.00030	.00025	.0120	.00070	.00087	.017	.00041	.00040	.00113
%RSD	4.4216	2.8084	53.220	.32482	32.380	48.670	.06899	113.10	2.7140	20.290
#1	.00410	.01059	.00065	3.7090	.00264	-.00117	25.030	.00007	.01511	-.00636
#2	.00437	.01102	.00029	3.6920	.00166	-.00241	25.055	.00066	.01454	-.00477
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00415**	**.00249**	**.00501**	**-.00032**	**.01905**	**-.00077**
Stddev	.00005	.00224	.02784	.00007	.00006	.00138
%RSD	1.2576	89.977	556.02	21.946	.31183	178.19
#1	.00411	.00090	.02469	-.00037	.01909	-.00175
#2	.00418	.00407	-.01468	-.00027	.01901	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4387.8**	**61828.**	**4418.2**
Stddev	10.0	136.	.1
%RSD	.22718	.21923	.00173
#1	4380.8	61732.	4418.3
#2	4394.9	61924.	4418.2

Sample Name: 280-27122-A-2-B Acquired: 4/2/2012 15:25:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.19695**	**-.00559**	**.06579**	**.03923**	**.00031**	**-.00859**	**3.4265**	**.00066**	**.00770**
Stddev	.00001	.00108	.00202	.00035	.00022	.00012	.00055	.0103	.00018	.00008
%RSD	1.1482	.54911	36.160	.53735	.55483	38.341	6.3825	.29926	27.410	1.0830
#1	-.00053	.19619	-.00416	.06604	.03908	.00023	-.00820	3.4193	.00053	.00776
#2	-.00052	.19772	-.00702	.06554	.03938	.00040	-.00898	3.4338	.00078	.00764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00239**	**.12467**	**2.6256**	**.06018**	**3.1678**	**.16336**	**-.00004**	**28.602**	**.01249**
Stddev	.00006	.00007	.00165	.0454	.00191	.0112	.00033	.00002	.470	.00008
%RSD	3.9655	2.8475	1.3214	1.7300	3.1659	.35347	.20442	46.897	1.6433	.60398
#1	.00141	.00244	.12351	2.6577	.06153	3.1598	.16313	-.00006	28.270	.01244
#2	.00149	.00235	.12584	2.5935	.05884	3.1757	.16360	-.00003	28.935	.01254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02207**	**.00148**	**20.015**	**.00014**	**-.00015**	**33.122**	**.00071**	**.05337**	**-.00610**	**.00092**
Stddev	.00015	.00003	.007	.00240	.00408	.051	.00041	.00011	.00034	.00001
%RSD	.67543	2.3596	.03563	1764.8	2771.3	.15312	58.330	.20091	5.6095	1.5259
#1	.02218	.00151	20.010	.00183	-.00303	33.086	.00042	.05329	-.00586	.00093
#2	.02197	.00146	20.020	-.00156	.00274	33.157	.00100	.05344	-.00634	.00091
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00192**	**-.02844**	**-.00045**	**.04426**	**-.00223**
Stddev	.00063	.02295	.00050	.00038	.00027
%RSD	32.633	80.690	109.80	.84850	12.203
#1	-.00147	-.04467	-.00080	.04400	-.00242
#2	-.00236	-.01221	-.00010	.04453	-.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4360.3**	**61205.**	**4397.9**
Stddev	9.1	36.	12.1
%RSD	.20783	.05884	.27448
#1	4353.9	61230.	4406.4
#2	4366.7	61179.	4389.3

Sample Name: 280-27122-A-3-B Acquired: 4/2/2012 15:27:54 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.14688**	**-.00290**	**.04663**	**.08527**	**.00235**	**-.00737**	**5.0341**	**.00040**	**.01113**
Stddev	.00005	.00022	.00146	.00103	.00024	.00000	.00096	.0127	.00007	.00017
%RSD	11.691	.14951	50.380	2.2084	.28700	.02866	13.001	.25162	18.592	1.5080
#1	-.00041	.14704	-.00393	.04736	.08509	.00235	-.00670	5.0252	.00046	.01125
#2	-.00049	.14673	-.00187	.04590	.08544	.00235	-.00805	5.0431	.00035	.01101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00288**	**22.045**	**2.0058**	**.03660**	**5.1555**	**.77833**	**-.00042**	**20.115**	**.01912**
Stddev	.00008	.00010	.057	.0566	.00050	.0090	.00266	.00008	.207	.00014
%RSD	15.417	3.3704	.26028	2.8203	1.3776	.17522	.34179	18.401	1.0291	.75381
#1	.00059	.00294	22.004	1.9658	.03625	5.1491	.77645	-.00037	20.261	.01902
#2	.00048	.00281	22.085	2.0458	.03696	5.1619	.78021	-.00047	19.968	.01922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12769**	**.00176**	**6.6892**	**.00104**	W **-.00737**	**27.295**	**.00091**	**.09969**	**-.00646**	**.00313**
Stddev	.00329	.00020	.0053	.00150	.00559	.063	.00005	.00021	.00037	.00008
%RSD	2.5759	11.336	.07972	143.92	75.913	.22944	5.0409	.20795	5.7341	2.5179
#1	.12537	.00190	6.6854	-.00002	-.01132	27.251	.00088	.09954	-.00620	.00307
#2	.13002	.00162	6.6929	.00210	-.00341	27.340	.00094	.09983	-.00672	.00318
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00136**	**-.01433**	**-.00011**	**.03717**	**-.00335**
Stddev	.00031	.00624	.00023	.00018	.00220
%RSD	22.861	43.529	221.92	.47494	65.710
#1	-.00114	-.00992	-.00027	.03705	-.00491
#2	-.00158	-.01874	.00006	.03730	-.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4358.6**	**60897.**	**4379.9**
Stddev	3.1	26.	21.1
%RSD	.07164	.04323	.48181
#1	4356.4	60915.	4394.8
#2	4360.8	60878.	4365.0

Sample Name: 280-27122-A-4-B Acquired: 4/2/2012 15:30:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00116**	**.00311**	**-.00080**	**-.00081**	**.00008**	**-.00397**	**.01792**	**.00030**	**-.00029**
Stddev	.00056	.00073	.00066	.00032	.00040	.00005	.00294	.00170	.00003	.00010
%RSD	93.611	62.685	21.363	39.668	49.147	66.645	74.147	9.4991	10.804	33.207
#1	-.00020	.00168	.00264	-.00058	-.00053	.00004	-.00189	.01672	.00032	-.00036
#2	-.00099	.00065	.00358	-.00103	-.00110	.00012	-.00605	.01913	.00027	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00150**	**.00466**	**-.10606**	**.00234**	**-.02202**	**-.00051**	**-.00048**	**-.06046**	**-.00031**
Stddev	.00017	.00030	.00142	.05479	.00062	.00097	.00001	.00014	.00275	.00028
%RSD	144.57	20.037	30.449	51.663	26.383	4.4009	1.7531	28.483	4.5427	87.923
#1	.00000	.00129	.00365	-.14481	.00190	-.02270	-.00051	-.00058	-.05852	-.00012
#2	-.00024	.00171	.00566	-.06732	.00277	-.02133	-.00050	-.00039	-.06240	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00169**	**-.00036**	**.00168**	**-.00015**	W **-.00547**	**-.00242**	**.00001**	**.00011**	**-.00673**	**-.00085**
Stddev	.00282	.00112	.00390	.00004	.00505	.00986	.00045	.00022	.00113	.00002
%RSD	166.31	310.61	231.63	25.046	92.357	406.77	7493.1	201.76	16.784	2.0638
#1	.00030	-.00115	.00444	-.00018	-.00190	.00455	-.00031	.00026	-.00593	-.00084
#2	-.00369	.00043	-.00107	-.00012	-.00904	-.00940	.00033	-.00005	-.00753	-.00086
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**-.03270**	**-.00086**	**.00295**	**-.00006**
Stddev	.00014	.00756	.00019	.00031	.00078
%RSD	9.8401	23.128	21.645	10.566	1285.9
#1	-.00132	-.02735	-.00073	.00317	-.00061
#2	-.00152	-.03805	-.00099	.00273	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4352.4**	**61860.**	**4362.6**
Stddev	1.1	156.	8.7
%RSD	.02579	.25148	.19992
#1	4353.1	61970.	4368.8
#2	4351.6	61750.	4356.4

Sample Name: 280-27122-A-5-B Acquired: 4/2/2012 15:32:56 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**.00155**	**-.00270**	**-.00089**	**-.00013**	**.00009**	**-.00205**	**.01341**	**.00038**	**-.00042**
Stddev	.00032	.00059	.00240	.00066	.00022	.00007	.00127	.00500	.00004	.00006
%RSD	45.216	38.184	88.861	74.409	172.36	82.297	62.075	37.282	10.890	14.169
#1	-.00094	.00113	-.00100	-.00042	.00003	.00004	-.00115	.00987	.00041	-.00046
#2	-.00049	.00197	-.00440	-.00136	-.00028	.00014	-.00295	.01694	.00035	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00170**	**.00466**	**-.05521**	**.00300**	**-.01749**	**-.00043**	**-.00028**	**-.06168**	**-.00034**
Stddev	.00003	.00009	.00176	.04228	.00128	.00183	.00004	.00012	.00567	.00035
%RSD	112.89	5.3592	37.823	76.589	42.503	10.465	8.0954	43.693	9.2003	101.49
#1	-.00004	.00163	.00591	-.08511	.00210	-.01879	-.00041	-.00019	-.05767	-.00010
#2	.00000	.00176	.00342	-.02531	.00391	-.01620	-.00046	-.00036	-.06569	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.00052**	**.00507**	**.00068**	W **-.00569**	**-.00132**	**.00362**	**.00011**	**-.00695**	**-.00074**
Stddev	.00053	.00134	.00421	.00161	.00403	.00848	.00054	.00014	.00015	.00019
%RSD	96.427	257.95	83.021	237.49	70.815	639.72	14.794	122.08	2.2211	25.380
#1	-.00017	.00147	.00804	-.00046	-.00284	-.00732	.00324	.00021	-.00684	-.00060
#2	-.00092	-.00043	.00209	.00182	-.00853	.00467	.00400	.00002	-.00706	-.00087
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**-.03290**	**-.00041**	**.00322**	**-.00099**
Stddev	.00157	.00694	.00021	.00031	.00180
%RSD	181.69	21.090	52.268	9.5489	181.47
#1	.00025	-.03780	-.00056	.00344	.00028
#2	-.00198	-.02799	-.00026	.00300	-.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4331.2**	**61744.**	**4355.7**
Stddev	13.0	21.	12.5
%RSD	.30009	.03348	.28596
#1	4340.4	61758.	4346.8
#2	4322.0	61729.	4364.5

Sample Name: 280-27122-A-6-B Acquired: 4/2/2012 15:35:27 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.25120**	**-.00344**	**.06800**	**.24630**	**.00005**	**-.00799**	**316.22**	**.00070**	**.00275**
Stddev	.00065	.00070	.00404	.00080	.00014	.00002	.00258	.03	.00019	.00017
%RSD	94.768	.27744	117.41	1.1831	.05886	31.408	32.282	.00828	27.136	6.2236
#1	-.00022	.25169	-.00058	.06744	.24640	.00006	-.00617	316.24	.00083	.00263
#2	-.00114	.25070	-.00630	.06857	.24620	.00004	-.00981	316.20	.00056	.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01552**	**.00392**	**22.291**	**7.2001**	**.38910**	**221.35**	**2.4557**	**.02497**	**467.39**	**.00365**
Stddev	.00024	.00056	.015	.0770	.00142	1.20	.0015	.00024	.23	.00001
%RSD	1.5543	14.272	.06519	1.0697	.36622	.54434	.06193	.97621	.04916	.34291
#1	.01569	.00352	22.281	7.1456	.38809	220.50	2.4568	.02514	467.23	.00364
#2	.01535	.00431	22.301	7.2546	.39011	222.20	2.4546	.02480	467.55	.00366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05963**	**-.00114**	**598.91**	**-.00336**	**.00233**	**17.582**	**-.00070**	**6.3220**	**-.00930**	**.00574**
Stddev	.00317	.00007	1.62	.00092	.00425	.063	.00059	.0031	.00237	.00011
%RSD	5.3163	6.3615	.27041	27.380	182.34	.35752	84.332	.04918	25.516	1.9891
#1	.05739	-.00119	600.05	-.00401	-.00068	17.626	-.00028	6.3242	-.00762	.00582
#2	.06187	-.00108	597.76	-.00271	.00534	17.537	-.00112	6.3198	-.01097	.00566
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00258**	**.00158**	**.00013**	**.02094**	**-.00119**
Stddev	.00008	.01175	.00028	.00037	.00165
%RSD	3.0395	742.12	218.07	1.7444	138.37
#1	-.00264	.00989	-.00007	.02068	-.00003
#2	-.00253	-.00673	.00033	.02120	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3884.1**	**54094.**	**4196.8**
Stddev	9.8	75.	6.8
%RSD	.25232	.13816	.16120
#1	3891.0	54042.	4192.0
#2	3877.2	54147.	4201.5

Sample Name: CCVH-1338467 Acquired: 4/2/2012 15:38:13 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**50.228**	**-.00164**	**.00019**	**-.00047**	**.00015**	**1.0269**	**.01735**	**-.00157**	**.00216**	**.00068**	**.00400**	**51.189**
Stddev	.00039	.084	.00263	.00055	.00025	.00005	.0091	.00554	.00003	.00022	.00002	.00026	.048
%RSD	63.323	.16632	160.04	295.90	53.586	31.113	.88257	31.946	1.7236	10.106	2.6721	6.5824	.09291
#1	.00034	50.287	.00022	-.00020	-.00064	.00012	1.0333	.02127	-.00155	.00200	.00067	.00382	51.223
#2	.00089	50.169	-.00350	.00057	-.00029	.00019	1.0205	.01343	-.00159	.00231	.00069	.00419	51.155
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00832**	**.00270**	**.02925**	**-.00018**	**-.00135**	**254.81**	**.00207**	**.00682**	**-.00078**	**5.3496**	**-.00592**	**.00134**	**.00458**
Stddev	.03185	.00096	.10086	.00127	.00027	.67	.00070	.00094	.00053	.0202	.00105	.00084	.00249
%RSD	382.75	35.518	344.81	705.93	19.989	.26422	34.061	13.858	67.941	.37702	17.680	62.620	54.424
#1	.03084	.00202	-.04207	-.00108	-.00116	255.29	.00257	.00615	-.00115	5.3639	-.00518	.00194	.00282
#2	-.01420	.00338	.10057	.00072	-.00155	254.33	.00157	.00748	-.00040	5.3353	-.00666	.00075	.00634
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**.00071**	**4.9244**	**.00314**	**.00111**	**10.016**	**.00722**	**.00221**	**-.02976**
Stddev	.00088	.00004	.0108	.00005	.00013	.013	.00102	.00027	.00239
%RSD	49.012	5.7514	.22021	1.6278	12.003	.13076	14.120	12.206	8.0449
#1	.00242	.00068	4.9321	.00318	.00102	10.025	.00650	.00201	-.03145
#2	.00117	.00073	4.9168	.00311	.00121	10.007	.00794	.00240	-.02806
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4223.9**	**58694.**	**4277.5**
Stddev	2.9	22.	13.6
%RSD	.06801	.03757	.31801
#1	4226.0	58709.	4267.9
#2	4221.9	58678.	4287.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 15:40:40 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51079**	F **.55657**	**1.0388**	**.52570**	**.50244**	**.50648**	**.00241**	**5.0743**	**.52111**	**.50817**	**.50126**	**.52862**
Stddev	.00004	.00398	.0007	.00173	.00135	.00123	.00328	.0220	.00082	.00165	.00132	.00033
%RSD	.00873	.71524	.07142	.32944	.26837	.24231	135.77	.43437	.15682	.32402	.26247	.06216
#1	.51083	.55375	1.0394	.52447	.50339	.50735	.00010	5.0899	.52053	.50701	.50033	.52839
#2	.51076	.55938	1.0383	.52692	.50149	.50561	.00473	5.0587	.52169	.50934	.50219	.52886
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5507**	**51.559**	**1.0262**	**20.934**	**.50576**	**.50318**	**5.0584**	**.51804**	**1.0549**	**1.0370**	**.01315**	**1.0527**
Stddev	.0065	.157	.0026	.017	.00023	.00091	.0065	.00123	.0057	.0029	.00185	.0006
%RSD	.25342	.30379	.25305	.08134	.04520	.18109	.12779	.23815	.54404	.27611	14.034	.06155
#1	2.5552	51.670	1.0280	20.922	.50592	.50254	5.0630	.51717	1.0508	1.0350	.01446	1.0522
#2	2.5461	51.448	1.0244	20.946	.50560	.50382	5.0539	.51891	1.0589	1.0390	.01185	1.0531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0734**	**5.0632**	**.99848**	**.51415**	**-.00672**	**.49357**	**1.0585**	**.00419**	**.49177**	**.50668**	**.49867**
Stddev	.0014	.0279	.00137	.00119	.00073	.00055	.0033	.00745	.00106	.00017	.00005
%RSD	.13014	.55174	.13690	.23139	10.895	.11144	.31480	177.89	.21464	.03421	.01068
#1	1.0724	5.0434	.99751	.51499	-.00724	.49395	1.0561	.00946	.49252	.50656	.49863
#2	1.0744	5.0829	.99944	.51331	-.00620	.49318	1.0608	-.00108	.49103	.50681	.49870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4323.1**	**60409.**	**4331.5**
Stddev	6.5	93.	19.4
%RSD	.15108	.15349	.44839
#1	4327.8	60344.	4317.8
#2	4318.5	60475.	4345.2

Sample Name: CCB Acquired: 4/2/2012 15:42:58 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00095**	**-.00076**	**.00075**	**-.00046**	W **-.00084**	**.00007**	**-.00575**	**.00134**	**.00036**	**-.00043**
Stddev	.00008	.00048	.00342	.00089	.00004	.00008	.00387	.00086	.00013	.00002
%RSD	8.8420	63.344	454.42	195.25	4.2352	127.03	67.184	64.285	37.010	4.9899
#1	-.00089	-.00110	-.00167	-.00109	-.00081	.00001	-.00849	.00195	.00045	-.00045
#2	-.00101	-.00042	.00317	.00017	-.00086	.00012	-.00302	.00073	.00026	-.00042
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	W **.00136**	**-.00397**	**-.05192**	**.00189**	F **-.02334**	F **-.00057**	**.00070**	**-.04304**	**-.00009**
Stddev	.00014	.00021	.00152	.00324	.00003	.00359	.00002	.00009	.00200	.00002
%RSD	619.47	15.716	38.281	6.2424	1.3760	15.365	3.8674	13.396	4.6505	23.229
#1	-.00008	.00121	-.00504	-.05421	.00191	-.02587	-.00055	.00077	-.04162	-.00010
#2	.00012	.00152	-.00289	-.04962	.00187	-.02080	-.00058	.00063	-.04445	-.00007
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.02140	.00051			
Low Limit		-.00136				-.02140	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**-.00055**	**.00143**	W **.00342**	W **-.00749**	**-.01096**	**-.00028**	**.00026**	**-.00570**	**-.00055**
Stddev	.00240	.00078	.00160	.00116	.00492	.00118	.00008	.00006	.00049	.00054
%RSD	558.91	142.69	111.31	33.823	65.655	10.757	29.377	23.865	8.6070	98.564
#1	.00127	-.00110	.00256	.00423	-.00401	-.01179	-.00034	.00021	-.00604	-.00093
#2	-.00213	.00000	.00031	.00260	-.01097	-.01012	-.00022	.00030	-.00535	-.00017
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**-.00640**	**-.00067**	**.00126**	**-.00050**
Stddev	.00076	.00694	.00062	.00039	.00000
%RSD	162.63	108.41	92.288	30.625	.44472
#1	.00007	-.00149	-.00023	.00153	-.00050
#2	-.00100	-.01130	-.00111	.00099	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4265.0**	**60627.**	**4258.1**
Stddev	4.1	202.	1.1
%RSD	.09523	.33268	.02573
#1	4262.1	60485.	4257.3
#2	4267.9	60770.	4258.9

Sample Name: CCVL1341782 Acquired: 4/2/2012 15:45:30 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00905**	**.11662**	**.01545**	**.10303**	**.00956**	**.00112**	**.10985**	**.22099**	**.00541**	**.01041**	**.01008**
Stddev	.00023	.00031	.00272	.00086	.00002	.00004	.00035	.00079	.00008	.00015	.00012
%RSD	2.5187	.26751	17.626	.83578	.21165	3.3548	.31852	.35756	1.4125	1.4748	1.1625
#1	.00921	.11639	.01352	.10242	.00958	.00109	.10960	.22043	.00546	.01030	.01000
#2	.00888	.11684	.01737	.10364	.00955	.00114	.11010	.22155	.00536	.01052	.01016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01861**	**.11431**	**3.0338**	W **.01201**	**.19471**	**.01018**	**.01985**	**.98083**	**.04264**	**3.0956**	**.00976**
Stddev	.00013	.00047	.0508	.00144	.00389	.00001	.00014	.00048	.00007	.0018	.00126
%RSD	.67881	.41388	1.6753	11.989	2.0003	.09910	.69604	.04886	.16382	.05900	12.902
#1	.01852	.11464	2.9978	.01302	.19747	.01017	.01995	.98117	.04259	3.0969	.00887
#2	.01870	.11397	3.0697	.01099	.19196	.01019	.01975	.98049	.04269	3.0943	.01065
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**.01083**	**.01269**	**.50379**	**.10373**	**.01035**	F **.00754**	**.00947**	**.01610**	**.06745**	**.00894**
Stddev	.00076	.00171	.00204	.00809	.00139	.00008	.00025	.00029	.00048	.01869	.00007
%RSD	49.118	15.783	16.075	1.6058	1.3369	.77852	3.2607	3.0681	3.0043	27.702	.77859
#1	-.00209	.01204	.01414	.49807	.10471	.01029	.00772	.00927	.01576	.05424	.00899
#2	-.00101	.00962	.01125	.50951	.10275	.01041	.00737	.00968	.01645	.08067	.00889
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.01500				
Range							-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.02412**	**.01361**
Stddev	.00016	.00219
%RSD	.64645	16.093
#1	.02423	.01515
#2	.02401	.01206
Check ?	Chk Warn	Chk Pass
Value	.02000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4356.0**	**61640.**	**4334.6**
Stddev	3.6	161.	.6
%RSD	.08323	.26189	.01386
#1	4358.5	61754.	4335.0
#2	4353.4	61526.	4334.1

Sample Name: 280-27122-A-7-B Acquired: 4/2/2012 15:48:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.33375**	**.00000**	**.06704**	**.27297**	**.00005**	**-.00731**	**333.56**	**.00068**	**.00307**
Stddev	.00018	.00138	.0022	.00117	.00022	.00000	.00052	.84	.00026	.00008
%RSD	24.035	.41420	2643400.	1.7397	.08192	3.9783	7.0999	.25171	37.789	2.5565
#1	-.00063	.33277	-.00157	.06622	.27282	.00005	-.00768	334.15	.00086	.00301
#2	-.00088	.33473	.00157	.06787	.27313	.00005	-.00694	332.97	.00050	.00312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02276**	**.00635**	**21.857**	**7.5161**	**.38970**	**215.06**	**2.3776**	**.03112**	**461.86**	**.00413**
Stddev	.00034	.00019	.040	.0935	.00310	1.05	.0041	.00000	1.22	.00033
%RSD	1.4859	2.9579	.18497	1.2433	.79613	.48745	.17411	.00569	.26459	8.0352
#1	.02300	.00648	21.829	7.4500	.38750	214.32	2.3746	.03111	461.00	.00390
#2	.02252	.00622	21.886	7.5822	.39189	215.80	2.3805	.03112	462.73	.00437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08806**	**.00000**	**585.85**	**-.00207**	**.00297**	**17.450**	**-.00003**	**7.0800**	**-.00972**	**.01027**
Stddev	.00170	.00071	3.20	.00029	.00358	.052	.00073	.0791	.00181	.00063
%RSD	1.9323	18967.	.54652	14.117	120.63	.29894	2789.8	1.1170	18.663	6.1543
#1	.08926	.00051	588.11	-.00228	.00044	17.413	-.00054	7.0241	-.01101	.01072
#2	.08686	-.00050	583.58	-.00186	.00550	17.487	.00049	7.1359	-.00844	.00983
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00337**	**-.01553**	**.00050**	**.03514**	**.00147**
Stddev	.00028	.01467	.00010	.00018	.00094
%RSD	8.3387	94.455	20.781	.50241	63.539
#1	-.00317	-.00516	.00058	.03501	.00213
#2	-.00357	-.02591	.00043	.03526	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3877.0**	**54102.**	**4171.5**
Stddev	2.1	101.	17.3
%RSD	.05516	.18674	.41403
#1	3875.5	54174.	4183.7
#2	3878.5	54031.	4159.3

Sample Name: 280-27122-A-8-B Acquired: 4/2/2012 15:50:51 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.02786**	**-.00355**	**.21730**	**.02825**	**.00007**	**-.00837**	**80.834**	**.00066**	**.00013**
Stddev	.00022	.00069	.00172	.00088	.00010	.00008	.00303	.131	.00024	.00003
%RSD	77.889	2.4636	48.589	.40725	.34441	112.86	36.224	.16147	36.184	22.453
#1	-.00043	.02738	-.00233	.21792	.02832	.00013	-.00622	80.742	.00049	.00011
#2	-.00012	.02835	-.00477	.21667	.02818	.00001	-.01051	80.927	.00083	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00331**	**.00345**	**14.485**	**6.5621**	**.21061**	**63.728**	**3.8689**	**.00072**	**128.70**	**.00335**
Stddev	.00002	.00003	.003	.0179	.00081	.017	.0031	.00020	.31	.00023
%RSD	.59204	.73677	.02009	.27208	.38690	.02682	.07924	27.896	.24019	6.8639
#1	.00329	.00347	14.483	6.5748	.21119	63.716	3.8667	.00087	128.48	.00352
#2	.00332	.00343	14.487	6.5495	.21003	63.740	3.8711	.00058	128.92	.00319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25952**	**-.00021**	**166.39**	**.00116**	**-.00291**	**23.484**	**.00043**	**1.1689**	**-.00837**	**-.00074**
Stddev	.00323	.00136	.43	.00504	.00191	.007	.00004	.0010	.00167	.00017
%RSD	1.2438	645.88	.25566	433.95	65.790	.03193	8.2529	.08564	19.891	23.501
#1	.26180	-.00118	166.69	-.00240	-.00426	23.489	.00040	1.1681	-.00955	-.00087
#2	.25723	.00075	166.09	.00473	-.00155	23.479	.00045	1.1696	-.00720	-.00062
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**-.00756**	**-.00325**	**.15737**	**-.00054**
Stddev	.00115	.00247	.00047	.00004	.00137
%RSD	114.85	32.604	14.505	.02833	254.65
#1	-.00181	-.00582	-.00292	.15734	-.00151
#2	-.00019	-.00931	-.00359	.15740	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.8**	**57759.**	**4282.4**
Stddev	5.9	1.	24.2
%RSD	.14296	.00236	.56621
#1	4129.6	57758.	4265.3
#2	4137.9	57760.	4299.5

Sample Name: 280-27122-A-9-B Acquired: 4/2/2012 15:53:18 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.06955**	**-.00115**	**.04536**	**.07761**	**.00004**	**-.00646**	**30.910**	**.00037**	**.00046**
Stddev	.00015	.00093	.00396	.00023	.00054	.00002	.00123	.015	.00015	.00000
%RSD	27.319	1.3441	343.68	.51737	.69750	43.256	19.031	.04956	41.059	.19232
#1	-.00044	.07021	.00165	.04553	.07723	.00003	-.00559	30.899	.00048	.00046
#2	-.00065	.06889	-.00395	.04519	.07799	.00006	-.00733	30.921	.00026	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00333**	**.09305**	**2.0653**	**.12860**	**39.445**	**.05389**	**.00033**	**150.95**	**.00248**
Stddev	.00004	.00038	.00334	.0538	.00086	.051	.00012	.00028	.78	.00043
%RSD	54.201	11.261	3.5886	2.6062	.67030	.12916	.22775	86.207	.51657	17.133
#1	.00004	.00360	.09541	2.1033	.12799	39.481	.05380	.00052	150.40	.00278
#2	.00009	.00307	.09068	2.0272	.12920	39.409	.05398	.00013	151.50	.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37841**	**-.00019**	**39.728**	**-.00219**	W **-.00670**	**23.291**	**-.00078**	**.44707**	**-.00918**	**.00081**
Stddev	.00751	.00049	.051	.00038	.00054	.011	.00007	.00026	.00038	.00011
%RSD	1.9834	254.51	.12931	17.527	8.0913	.04922	9.5401	.05894	4.1752	13.478
#1	.37311	.00015	39.692	-.00192	-.00708	23.283	-.00073	.44725	-.00945	.00089
#2	.38372	-.00054	39.764	-.00247	-.00632	23.299	-.00084	.44688	-.00890	.00073
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.01967**	**.00196**	**.00599**	**-.00163**
Stddev	.00035	.01634	.00106	.00018	.00024
%RSD	425.44	83.082	54.103	2.9521	14.633
#1	.00033	.03122	.00121	.00587	-.00180
#2	-.00016	.00811	.00271	.00612	-.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4184.5**	**58367.**	**4297.6**
Stddev	5.4	76.	31.3
%RSD	.12830	.13064	.72879
#1	4188.3	58421.	4275.5
#2	4180.7	58313.	4319.8

Sample Name: 280-27122-A-10-B Acquired: 4/2/2012 15:55:47 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.04547**	**.00078**	**.07162**	**.03919**	**.00010**	**-.00543**	**27.510**	**.00041**	**.01201**
Stddev	.00049	.00124	.00085	.00030	.00033	.00003	.00310	.021	.00001	.00012
%RSD	851.85	2.7317	107.89	.41632	.83815	32.942	57.219	.07775	3.6596	.96842
#1	-.00040	.04460	.00019	.07183	.03942	.00007	-.00323	27.525	.00042	.01193
#2	.00029	.04635	.00138	.07141	.03895	.00012	-.00762	27.495	.00040	.01210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00412**	**35.061**	**8.7103**	**.10017**	**21.124**	**1.6343**	**-.00083**	**38.321**	**.01620**
Stddev	.00009	.00030	.009	.0504	.00023	.023	.0032	.00016	.454	.00001
%RSD	23.792	7.2445	.02608	.57857	.23405	.11034	.19457	18.951	1.1854	.08429
#1	.00033	.00433	35.067	8.7459	.10000	21.141	1.6365	-.00094	38.642	.01619
#2	.00046	.00391	35.054	8.6747	.10033	21.108	1.6320	-.00072	38.000	.01621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37139**	**-.00047**	**60.957**	**.00013**	**-.00281**	**27.681**	**-.00003**	**.53506**	**-.00653**	**.00053**
Stddev	.00566	.00142	.057	.00068	.00397	.007	.00035	.00001	.00047	.00019
%RSD	1.5239	298.97	.09426	528.92	141.29	.02536	1018.9	.00256	7.1528	37.010
#1	.36738	-.00148	60.917	-.00035	-.00562	27.686	-.00028	.53507	-.00686	.00039
#2	.37539	.00053	60.998	.00061	.00000	27.676	.00021	.53505	-.00620	.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00205**	**-.04029**	**-.00148**	**.08208**	**-.00140**
Stddev	.00152	.00623	.00055	.00000	.00202
%RSD	74.244	15.461	37.095	.00593	143.53
#1	-.00313	-.03588	-.00187	.08208	-.00283
#2	-.00097	-.04469	-.00109	.08208	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4331.5**	**60699.**	**4374.9**
Stddev	3.5	92.	12.1
%RSD	.08142	.15087	.27623
#1	4334.0	60764.	4366.4
#2	4329.0	60634.	4383.5

Sample Name: 280-27122-A-11-B Acquired: 4/2/2012 15:58:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.13496**	**-.00214**	**.07661**	**.03780**	**.00019**	**-.00559**	**19.682**	**.00050**	**.00910**
Stddev	.00029	.00069	.00049	.00033	.00006	.00002	.00066	.009	.00000	.00029
%RSD	29.268	.51142	23.144	.42603	.14935	11.063	11.767	.04740	.66613	3.1806
#1	-.00121	.13545	-.00249	.07684	.03784	.00018	-.00605	19.675	.00049	.00930
#2	-.00080	.13447	-.00179	.07638	.03776	.00021	-.00512	19.688	.00050	.00889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00261**	**19.900**	**3.9103**	**.12795**	**14.325**	**.65429**	**-.00028**	**43.782**	**.00998**
Stddev	.00001	.00055	.017	.0347	.00270	.010	.00031	.00006	.035	.00014
%RSD	4.6160	21.299	.08385	.88824	2.1123	.06698	.04754	20.339	.08029	1.4053
#1	.00029	.00221	19.912	3.8858	.12986	14.332	.65451	-.00032	43.757	.00988
#2	.00031	.00300	19.888	3.9349	.12604	14.319	.65407	-.00024	43.807	.01008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1539**	**.00168**	**24.895**	**.00091**	W **-.00798**	**26.591**	**.00035**	**.34096**	**-.00754**	**.00260**
Stddev	.0071	.00100	.029	.00012	.00581	.023	.00027	.00027	.00192	.00000
%RSD	.61167	59.385	.11741	13.545	72.806	.08467	78.492	.07786	25.452	.04199
#1	1.1489	.00238	24.915	.00100	-.01208	26.606	.00015	.34115	-.00618	.00260
#2	1.1589	.00097	24.874	.00083	-.00387	26.575	.00054	.34077	-.00890	.00260
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**-.02387**	**-.00038**	**.00954**	**-.00104**
Stddev	.00140	.00877	.00034	.00017	.00175
%RSD	113.94	36.744	89.366	1.7691	167.40
#1	-.00024	-.01767	-.00014	.00942	.00019
#2	-.00222	-.03007	-.00062	.00965	-.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4323.0**	**60722.**	**4382.2**
Stddev	9.7	38.	13.8
%RSD	.22515	.06273	.31540
#1	4316.1	60749.	4372.4
#2	4329.9	60695.	4391.9

Sample Name: 280-27122-A-12-B Acquired: 4/2/2012 16:00:44 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.02676**	**-.00161**	**.06907**	**.05971**	**.00010**	**-.00811**	**68.498**	**.00079**	**.00046**
Stddev	.00056	.00106	.00413	.00026	.00021	.00005	.00170	.082	.00007	.00032
%RSD	59.398	3.9629	255.75	.37088	.35039	47.281	21.003	.11991	8.2821	69.549
#1	-.00054	.02601	-.00453	.06888	.05986	.00013	-.00691	68.440	.00075	.00069
#2	-.00133	.02751	.00130	.06925	.05956	.00007	-.00932	68.556	.00084	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00399**	**11.976**	**2.8934**	**.14355**	**66.819**	**1.0341**	**.00019**	**89.877**	**.00229**
Stddev	.00005	.00005	.017	.0152	.00141	.103	.0022	.00015	.212	.00002
%RSD	33.055	1.2773	.14544	.52413	.98549	.15392	.21082	82.117	.23591	.98592
#1	.00020	.00402	11.964	2.9042	.14255	66.892	1.0357	.00029	89.728	.00227
#2	.00012	.00395	11.989	2.8827	.14455	66.746	1.0326	.00008	90.027	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12683**	**.00124**	**97.721**	**-.00140**	**-.00391**	**28.135**	**.00083**	**.94594**	**-.00802**	**-.00038**
Stddev	.00094	.00029	.105	.00019	.00040	.027	.00032	.00175	.00022	.00033
%RSD	.74255	23.469	.10748	13.765	10.316	.09543	39.080	.18460	2.7565	89.003
#1	.12750	.00145	97.647	-.00154	-.00419	28.116	.00060	.94471	-.00786	-.00014
#2	.12616	.00103	97.795	-.00127	-.00362	28.154	.00106	.94718	-.00818	-.00061
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00163**	**-.02194**	**.00025**	**.02205**	**-.00070**
Stddev	.00044	.03160	.00041	.00040	.00235
%RSD	27.066	144.06	166.91	1.8071	334.31
#1	-.00132	-.04428	-.00004	.02234	-.00237
#2	-.00194	.00041	.00053	.02177	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4218.9**	**59284.**	**4371.2**
Stddev	2.6	83.	28.5
%RSD	.06081	.14016	.65213
#1	4217.1	59343.	4391.4
#2	4220.7	59225.	4351.1

Sample Name: 280-27122-A-13-B Acquired: 4/2/2012 16:03:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**.33866**	**-.00375**	**.01690**	**.05741**	**.00039**	**-.00831**	**28.818**	**.00141**	**.00539**
Stddev	.00002	.00388	.00135	.00036	.00061	.00001	.00035	.012	.00016	.00016
%RSD	2.1394	1.1455	35.961	2.1313	1.0700	2.5121	4.1851	.04091	11.313	2.8960
#1	-.00110	.33592	-.00470	.01715	.05784	.00038	-.00855	28.810	.00130	.00528
#2	-.00114	.34141	-.00279	.01664	.05698	.00040	-.00806	28.826	.00153	.00550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00296**	**.57274**	**.86615**	**.04814**	**36.704**	**.05323**	**-.00045**	**54.550**	**.03562**
Stddev	.00009	.00023	.00070	.00018	.00065	.014	.00009	.00016	.332	.00000
%RSD	7.0988	7.8039	.12289	.02054	1.3509	.03919	.17372	36.083	.60815	.00402
#1	.00119	.00279	.57324	.86603	.04768	36.694	.05316	-.00056	54.315	.03562
#2	.00131	.00312	.57224	.86628	.04860	36.714	.05329	-.00033	54.784	.03562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02620**	**.00112**	**86.128**	**-.00072**	W **-.00583**	**25.491**	**-.00025**	**.37390**	**-.00750**	**.00786**
Stddev	.00177	.00219	.084	.00186	.00054	.079	.00075	.00018	.00061	.00003
%RSD	6.7614	194.44	.09745	257.22	9.3212	.31051	304.32	.04772	8.0934	.35841
#1	.02495	-.00042	86.069	-.00203	-.00544	25.435	.00028	.37402	-.00707	.00788
#2	.02746	.00267	86.188	.00059	-.00621	25.547	-.00077	.37377	-.00793	.00784
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**-.00799**	**.00071**	**.03664**	**-.00086**
Stddev	.00155	.02902	.00045	.00009	.00156
%RSD	274.55	363.12	63.318	.23575	181.58
#1	.00053	-.02851	.00039	.03670	.00024
#2	-.00166	.01253	.00103	.03658	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4365.7**	**60976.**	**4469.1**
Stddev	4.0	62.	11.8
%RSD	.09258	.10121	.26367
#1	4368.5	61019.	4477.5
#2	4362.8	60932.	4460.8

Sample Name: CCVH-1338467 Acquired: 4/2/2012 16:05:44 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**49.680**	**-.00323**	**-.00010**	**-.00076**	**.00006**	**1.0198**	**.00386**	**-.00172**	**.00192**	**.00045**	**.00368**	**50.654**
Stddev	.00069	.068	.00197	.00007	.00003	.00005	.0049	.00021	.00021	.00008	.00019	.00006	.162
%RSD	67.342	.13714	60.917	64.978	3.8909	87.891	.47844	5.5418	12.047	4.3727	42.565	1.6338	.31986
#1	.00054	49.728	-.00462	-.00006	-.00078	.00002	1.0163	.00401	-.00157	.00198	.00059	.00363	50.539
#2	.00152	49.632	-.00184	-.00015	-.00074	.00010	1.0232	.00371	-.00186	.00186	.00032	.00372	50.768
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05630**	**.00265**	**-.04409**	**-.00107**	**-.00133**	**252.69**	**.00226**	**.00528**	**.00023**	**5.2962**	**-.00487**	**-.00424**	**-.00065**
Stddev	.00203	.00215	.00480	.00006	.00035	.17	.00006	.00022	.00112	.0235	.00112	.00355	.00207
%RSD	3.6001	81.320	10.890	5.6899	26.038	.06548	2.4610	4.0740	481.34	.44452	23.042	83.713	318.27
#1	-.05486	.00112	-.04069	-.00103	-.00108	252.80	.00222	.00513	-.00056	5.2795	-.00566	-.00173	-.00212
#2	-.05773	.00417	-.04749	-.00111	-.00157	252.57	.00230	.00543	.00102	5.3128	-.00407	-.00675	.00082
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.00045**	**4.9139**	**.00320**	**.00312**	**9.9926**	**.00735**	**.00192**	**-.02976**
Stddev	.00003	.00010	.0093	.00044	.00048	.0296	.00018	.00039	.00366
%RSD	.76298	22.227	.18854	13.820	15.277	.29613	2.3895	20.427	12.302
#1	.00351	.00038	4.9074	.00351	.00346	10.013	.00748	.00219	-.02717
#2	.00347	.00052	4.9205	.00288	.00278	9.9717	.00723	.00164	-.03235
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4299.5**	**59428.**	**4381.1**
Stddev	8.1	165.	2.0
%RSD	.18940	.27777	.04563
#1	4293.8	59311.	4382.5
#2	4305.3	59545.	4379.7

Sample Name: CCV-1338469 Acquired: 4/2/2012 16:08:11 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50900**	F **.55294**	**1.0387**	**.52314**	**.50090**	**.50453**	**-.00019**	**5.0616**	**.51793**	**.50557**	**.49961**	**.52390**
Stddev	.00034	.00433	.0019	.00056	.00032	.00053	.00095	.0055	.00051	.00074	.00028	.00136
%RSD	.06656	.78315	.17843	.10776	.06393	.10580	496.99	.10865	.09921	.14610	.05537	.25947
#1	.50924	.54988	1.0400	.52274	.50112	.50415	-.00087	5.0577	.51756	.50505	.49981	.52294
#2	.50876	.55600	1.0373	.52354	.50067	.50491	.00048	5.0655	.51829	.50609	.49942	.52486
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5315**	**51.494**	**1.0222**	**20.817**	**.50257**	**.50131**	**5.0318**	**.51666**	**1.0515**	**1.0345**	**.00600**	**1.0467**
Stddev	.0013	.067	.0008	.016	.00067	.00036	.0258	.00120	.0024	.0033	.00173	.0002
%RSD	.05039	.12984	.07376	.07846	.13234	.07209	.51255	.23309	.22438	.31804	28.838	.02061
#1	2.5306	51.541	1.0216	20.806	.50210	.50106	5.0501	.51581	1.0498	1.0322	.00477	1.0466
#2	2.5324	51.446	1.0227	20.829	.50304	.50157	5.0136	.51751	1.0532	1.0369	.00722	1.0469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0623**	**5.0862**	**.99143**	**.51306**	**-.00667**	**.49236**	**1.0542**	**-.00415**	**.48864**	**.50564**	**.49819**
Stddev	.0017	.0220	.00075	.00039	.00246	.00029	.0025	.00681	.00175	.00191	.00074
%RSD	.15726	.43254	.07611	.07695	36.957	.05804	.23710	164.10	.35806	.37805	.14762
#1	1.0611	5.1018	.99196	.51278	-.00493	.49256	1.0560	.00067	.48988	.50700	.49871
#2	1.0635	5.0707	.99089	.51334	-.00841	.49216	1.0524	-.00897	.48741	.50429	.49767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4363.8**	**61011.**	**4376.4**
Stddev	5.9	117.	7.1
%RSD	.13522	.19111	.16118
#1	4368.0	60929.	4381.3
#2	4359.6	61094.	4371.4

Sample Name: CCB Acquired: 4/2/2012 16:10:31 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**-.00087**	**-.00007**	**-.00044**	W **-.00075**	**.00009**	**-.00364**	**-.00045**	**.00034**	**-.00048**
Stddev	.00038	.00045	.00270	.00046	.00004	.00002	.00118	.00539	.00012	.00054
%RSD	43.754	52.401	3944.9	104.46	5.4464	18.566	32.346	1189.5	34.423	113.86
#1	-.00115	-.00119	.00184	-.00012	-.00078	.00010	-.00281	-.00427	.00042	-.00086
#2	-.00060	-.00055	-.00198	-.00077	-.00072	.00008	-.00447	.00336	.00026	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00130**	**-.00313**	**-.08063**	W **.00366**	F **-.02295**	F **-.00055**	**.00063**	**-.03604**	**-.00021**
Stddev	.00009	.00011	.00093	.01198	.00119	.00082	.00001	.00010	.00328	.00029
%RSD	134.24	8.1054	29.712	14.861	32.425	3.5882	2.6848	16.609	9.1151	139.42
#1	.00000	.00137	-.00247	-.07216	.00282	-.02237	-.00056	.00070	-.03372	-.00041
#2	-.00013	.00122	-.00378	-.08910	.00451	-.02354	-.00054	.00055	-.03836	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					.00261	.02140	.00051			
Low Limit					-.00261	-.02140	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00071**	**.00399**	W **.00451**	W **-.00503**	**-.01430**	**.00038**	**.00007**	**-.00715**	**-.00038**
Stddev	.00181	.00043	.00027	.00023	.00477	.02422	.00039	.00000	.00099	.00008
%RSD	169.14	60.945	6.8293	5.0056	94.975	169.38	102.59	2.8260	13.907	20.467
#1	.00235	.00040	.00380	.00467	-.00165	.00283	.00010	.00006	-.00645	-.00044
#2	-.00021	.00101	.00419	.00435	-.00840	-.03143	.00065	.00007	-.00786	-.00033
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**-.01489**	**-.00074**	**.00180**	**-.00132**
Stddev	.00029	.01003	.00008	.00034	.00069
%RSD	22.434	67.353	11.260	19.182	52.195
#1	-.00108	-.00780	-.00068	.00204	-.00180
#2	-.00149	-.02199	-.00080	.00155	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4301.2**	**61135.**	**4344.6**
Stddev	4.9	265.	5.1
%RSD	.11428	.43375	.11726
#1	4297.8	60947.	4348.2
#2	4304.7	61322.	4341.0

Sample Name: CCVL1341782 Acquired: 4/2/2012 16:13:03 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00943**	W **.12018**	**.01535**	**.10231**	**.00945**	W **.00123**	**.11236**	F **.30563**	**.00538**	**.01047**	**.01017**
Stddev	.00010	.00153	.00199	.00011	.00000	.00029	.00070	.09670	.00006	.00026	.00008
%RSD	1.0914	1.2772	12.936	.11006	.04164	23.663	.62366	31.638	1.1834	2.4393	.79677
#1	.00951	.11909	.01394	.10239	.00944	.00144	.11186	.37401	.00542	.01065	.01022
#2	.00936	.12126	.01675	.10223	.00945	.00102	.11285	.23726	.00533	.01029	.01011
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.10000				.00100		.20000			
Range		20.000%				20.000%		30.000%			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01817**	F **.14108**	**3.0733**	**.01156**	**.19678**	**.01010**	**.02003**	**1.1938**	**.04253**	**3.1145**	**.00880**
Stddev	.00054	.04256	.0900	.00082	.00127	.00001	.00012	.2484	.00020	.0028	.00040
%RSD	2.9911	30.170	2.9297	7.0899	.64391	.08153	.57958	20.811	.46615	.08995	4.4925
#1	.01778	.17117	3.1370	.01213	.19768	.01010	.02011	1.3695	.04239	3.1125	.00852
#2	.01855	.11098	3.0096	.01098	.19589	.01011	.01995	1.0181	.04267	3.1165	.00908
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500	.10000									
Range	20.000%	30.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00885**	**.01055**	W **.01167**	**.53285**	**.10514**	**.01182**	F **.00747**	**.00930**	**.01729**	**.06270**	**.00937**
Stddev	.00250	.00074	.00150	.04913	.00087	.00174	.00142	.00045	.00032	.01006	.00025
%RSD	28.195	6.9864	12.825	9.2208	.82422	14.737	19.064	4.8806	1.8548	16.048	2.7066
#1	.00708	.01107	.01061	.56760	.10575	.01305	.00646	.00898	.01751	.06981	.00919
#2	.01061	.01003	.01273	.49811	.10452	.01059	.00848	.00962	.01706	.05558	.00955
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.02500**	**.01375**
Stddev	.00046	.00269
%RSD	1.8474	19.539
#1	.02468	.01564
#2	.02533	.01185
Check ?	Chk Warn	Chk Pass
Value	.02000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4403.4**	**62409.**	**4415.5**
Stddev	6.4	90.	25.2
%RSD	.14449	.14495	.57016
#1	4407.9	62345.	4397.7
#2	4398.9	62473.	4433.3

Sample Name: 280-27124-A-1-B Acquired: 4/2/2012 16:15:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00176**	**.66528**	**.00706**	**7.4606**	**.02592**	**.00007**	**-.00572**	**373.11**	**.00218**	**.00220**
Stddev	.00001	.00275	.00020	.0098	.00039	.00006	.00268	1.26	.00022	.00018
%RSD	.52245	.41370	2.8360	.13193	1.4912	85.919	46.916	.33748	10.208	8.1561
#1	-.00175	.66722	.00691	7.4536	.02564	.00012	-.00762	374.00	.00202	.00233
#2	-.00177	.66333	.00720	7.4675	.02619	.00003	-.00382	372.22	.00234	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00553**	**.01190**	**3.5761**	**13.990**	**.55247**	**127.48**	**.09712**	**.00143**	W **1379.0**	**.00934**
Stddev	.00006	.00006	.0031	.021	.00014	.11	.00007	.00002	.8	.00003
%RSD	1.1291	.48818	.08754	.15124	.02501	.08898	.07410	1.1566	.05869	.36633
#1	.00558	.01186	3.5783	14.005	.55237	127.56	.09718	.00144	1379.5	.00932
#2	.00549	.01195	3.5739	13.975	.55257	127.40	.09707	.00142	1378.4	.00937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26859**	**-.00009**	**841.06**	**-.00279**	**-.00137**	**9.9079**	**.01308**	W **16.535**	**-.00946**	**.02459**
Stddev	.00071	.00198	.11	.00497	.00422	.0327	.00044	.015	.00072	.00032
%RSD	.26439	2146.0	.01282	177.90	307.96	.32975	3.3773	.09127	7.5957	1.2981
#1	.26909	-.00149	840.99	.00072	.00162	9.9310	.01339	16.524	-.00997	.02436
#2	.26808	.00131	841.14	-.00631	-.00436	9.8848	.01277	16.545	-.00895	.02482
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**-.00528**	**.00645**	**.05128**	**.00072**
Stddev	.00242	.01140	.00002	.00023	.00157
%RSD	326.28	215.78	.37543	.45206	219.09
#1	.00097	.00278	.00643	.05145	.00183
#2	-.00245	-.01334	.00647	.05112	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3860.6**	**52926.**	**4266.2**
Stddev	7.4	68.	10.1
%RSD	.19279	.12757	.23739
#1	3865.9	52974.	4259.0
#2	3855.4	52879.	4273.3

Sample Name: 280-27124-A-2-B□□280 Acquired: 4/2/2012 16:18:58 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**.00143**	**-.00087**	**.01428**	**-.00070**	**.00013**	**-.00355**	**.03895**	**.00029**	**-.00020**
Stddev	.00054	.00142	.00020	.00202	.00003	.00002	.00016	.00201	.00027	.00010
%RSD	49.942	99.797	23.417	14.150	3.6587	13.851	4.4537	5.1550	92.335	49.462
#1	-.00147	.00042	-.00101	.01570	-.00072	.00014	-.00344	.04037	.00048	-.00013
#2	-.00070	.00243	-.00072	.01285	-.00068	.00011	-.00366	.03753	.00010	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00148**	**-.00190**	**-.07793**	**.00188**	**-.02041**	**-.00049**	**-.00012**	**.27282**	**-.00018**
Stddev	.00012	.00001	.00106	.05474	.00037	.00491	.00004	.00019	.02470	.00012
%RSD	79.155	.73877	55.830	70.241	19.711	24.059	8.6908	160.85	9.0554	63.732
#1	.00007	.00149	-.00265	-.11663	.00162	-.01694	-.00052	.00002	.29029	-.00010
#2	.00023	.00147	-.00115	-.03922	.00215	-.02388	-.00046	-.00025	.25535	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**-.00053**	**.04788**	**-.00006**	**-.00334**	**.04393**	**.00021**	**.00016**	**-.00555**	**-.00024**
Stddev	.00105	.00151	.00690	.00174	.00130	.00322	.00081	.00001	.00082	.00016
%RSD	62.286	284.97	14.417	3022.7	39.092	7.3212	390.94	9.0354	14.810	67.333
#1	.00243	.00054	.05276	-.00129	-.00426	.04621	-.00037	.00015	-.00613	-.00036
#2	.00094	-.00160	.04300	.00117	-.00241	.04166	.00078	.00017	-.00497	-.00013
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00223**	**-.01414**	**-.00097**	**.00219**	**-.00129**
Stddev	.00029	.02837	.00006	.00028	.00367
%RSD	13.073	200.66	6.6830	12.646	283.97
#1	-.00244	.00592	-.00102	.00239	-.00389
#2	-.00203	-.03420	-.00092	.00200	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4390.5**	**62749.**	**4453.6**
Stddev	3.9	114.	15.7
%RSD	.08944	.18099	.35308
#1	4393.3	62669.	4442.5
#2	4387.7	62829.	4464.7

Sample Name: 280-27124-A-3-B Acquired: 4/2/2012 16:21:30 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00168**	**.00486**	**.00020**	**1.7273**	**.01563**	**.00002**	**-.00560**	**477.35**	**.00040**	**.00081**
Stddev	.00031	.00152	.00487	.0127	.00025	.00002	.00421	3.59	.00009	.00027
%RSD	18.680	31.269	2417.0	.73747	1.5782	65.815	75.182	.75137	22.064	33.436
#1	-.00146	.00378	-.00325	1.7363	.01580	.00004	-.00262	474.81	.00046	.00101
#2	-.00190	.00593	.00365	1.7183	.01545	.00001	-.00857	479.88	.00034	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00576**	**.00513**	**17.874**	**.65479**	**306.08**	**.16291**	**.00130**	W **1082.2**	**.00733**
Stddev	.00020	.00027	.00060	.035	.00255	2.87	.00097	.00012	1.3	.00002
%RSD	29.072	4.6362	11.756	.19709	.38932	.93608	.59755	9.1287	.12068	.28332
#1	.00056	.00557	.00470	17.849	.65299	304.06	.16222	.00122	1081.3	.00734
#2	.00085	.00594	.00555	17.899	.65660	308.11	.16360	.00139	1083.2	.00731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05954**	**-.00128**	**1122.5**	**-.00064**	**.00391**	**7.9635**	**-.00061**	W **13.930**	**-.00822**	**-.00076**
Stddev	.00016	.00177	5.9	.00378	.00025	.0110	.00040	.043	.00147	.00009
%RSD	.26950	138.27	.52941	593.87	6.3836	.13869	65.273	.30758	17.903	12.058
#1	.05943	-.00003	1126.7	-.00331	.00408	7.9557	-.00089	13.960	-.00926	-.00070
#2	.05965	-.00253	1118.3	.00203	.00373	7.9713	-.00033	13.899	-.00718	-.00083
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.03462**	**.00599**	**.00673**	**.00027**
Stddev	.00059	.01394	.00100	.00054	.00138
%RSD	153.41	40.267	16.724	8.0646	514.03
#1	.00003	.02477	.00528	.00635	.00125
#2	-.00080	.04448	.00669	.00711	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3793.1**	**52450.**	**4219.0**
Stddev	.4	377.	8.8
%RSD	.01090	.71893	.20916
#1	3792.8	52717.	4212.7
#2	3793.3	52184.	4225.2

Sample Name: 280-27124-A-4-B Acquired: 4/2/2012 16:25:00 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00104**	**.00512**	**-.00032**	**1.7047**	**.01619**	**.00003**	**-.00531**	**473.31**	**.00059**	**.00053**
Stddev	.00017	.00139	.00312	.0121	.00013	.00005	.00366	3.79	.00009	.00008
%RSD	16.119	27.181	985.66	.71026	.79280	152.72	68.890	.80170	15.942	14.468
#1	-.00116	.00414	-.00252	1.7133	.01628	.00007	-.00789	470.62	.00066	.00058
#2	-.00092	.00611	.00189	1.6961	.01610	.00000	-.00272	475.99	.00053	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00483**	**.01884**	**17.782**	**.64771**	**305.75**	**.16119**	**.00114**	W **1072.0**	**.00682**
Stddev	.00023	.00026	.00759	.064	.00245	2.09	.00043	.00039	.1	.00044
%RSD	29.945	5.3724	40.281	.36235	.37752	.68498	.26726	34.343	.01381	6.4900
#1	.00094	.00465	.02420	17.736	.64598	304.27	.16089	.00142	1071.9	.00714
#2	.00061	.00501	.01347	17.827	.64944	307.24	.16149	.00086	1072.1	.00651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05900**	**-.00156**	**1114.8**	**-.00184**	**.00595**	**7.8908**	**.00004**	W **13.712**	**-.00960**	**-.00079**
Stddev	.00240	.00229	8.8	.00117	.00207	.0359	.00111	.106	.00232	.00026
%RSD	4.0725	146.90	.78809	63.897	34.759	.45502	2515.1	.77145	24.129	33.339
#1	.05730	.00006	1121.0	-.00267	.00449	7.9162	-.00074	13.637	-.00796	-.00097
#2	.06070	-.00318	1108.6	-.00101	.00741	7.8654	.00083	13.786	-.01123	-.00060
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00225**	**.01191**	**.00620**	**.00587**	**.00153**
Stddev	.00317	.00841	.00003	.00095	.00005
%RSD	141.06	70.630	.49305	16.184	3.4692
#1	-.00449	.00596	.00618	.00654	.00149
#2	-.00001	.01785	.00622	.00520	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3807.8**	**52732.**	**4253.0**
Stddev	.1	141.	.1
%RSD	.00338	.26691	.00207
#1	3807.7	52832.	4253.1
#2	3807.9	52633.	4253.0

Sample Name: 280-27124-A-5-B Acquired: 4/2/2012 16:28:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.17429**	**-.00253**	**2.1329**	**.02261**	**-.00001**	**-.00187**	**180.19**	**.00051**	**-.00006**
Stddev	.00004	.00074	.00115	.0042	.00001	.00002	.00109	.14	.00005	.00024
%RSD	8.8030	.42471	45.398	.19712	.06448	132.75	58.183	.07867	8.9732	381.83
#1	-.00044	.17481	-.00334	2.1359	.02262	.00000	-.00263	180.29	.00048	-.00023
#2	-.00049	.17376	-.00172	2.1299	.02260	-.00002	-.00110	180.09	.00054	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00423**	**.15931**	**12.264**	**.36419**	**99.221**	**.00351**	**.00062**	W **538.59**	**.01491**
Stddev	.00030	.00009	.00055	.060	.00053	.049	.00001	.00040	1.16	.00009
%RSD	41.113	2.2302	.34280	.48991	.14480	.04902	.17658	65.226	.21552	.58821
#1	.00051	.00430	.15892	12.307	.36382	99.255	.00352	.00090	539.41	.01497
#2	.00093	.00416	.15970	12.222	.36457	99.187	.00351	.00033	537.77	.01485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02727**	**-.00093**	**516.87**	**-.00358**	**.00616**	**4.3602**	**.00065**	**7.3412**	**-.00855**	**.00040**
Stddev	.00321	.00041	1.02	.00129	.00099	.0368	.00000	.0922	.00021	.00032
%RSD	11.764	43.827	.19644	36.059	16.023	.84342	.47504	1.2559	2.4720	80.563
#1	.02500	-.00122	517.58	-.00266	.00546	4.3342	.00065	7.4064	-.00870	.00062
#2	.02954	-.00064	516.15	-.00449	.00685	4.3862	.00065	7.2760	-.00840	.00017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00172**	**-.02019**	**.00215**	**.00502**	**.00077**
Stddev	.00034	.00331	.00023	.00022	.00028
%RSD	19.687	16.390	10.741	4.3293	36.057
#1	-.00148	-.01785	.00199	.00517	.00097
#2	-.00196	-.02252	.00231	.00486	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3996.8**	**55354.**	**4297.9**
Stddev	6.0	138.	4.9
%RSD	.14951	.24952	.11305
#1	3992.6	55256.	4294.5
#2	4001.1	55452.	4301.4

Sample Name: 280-27111-E-1-B Acquired: 4/2/2012 16:31:47 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**.00384**	**.03577**	**.21836**	**.06645**	**.00006**	**-.00993**	**92.988**	**.00043**	**-.00026**
Stddev	.00009	.00078	.00202	.00150	.00010	.00009	.00451	.304	.00025	.00004
%RSD	6.4312	20.275	5.6406	.68817	.14646	151.30	45.353	.32691	59.810	17.052
#1	-.00139	.00329	.03434	.21942	.06652	.00012	-.01312	92.773	.00025	-.00029
#2	-.00127	.00439	.03720	.21729	.06639	.00000	-.00675	93.203	.00061	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**.00337**	**.01142**	**4.2576**	**.02652**	**22.144**	**-.00014**	**.02212**	**144.04**	**.00045**
Stddev	.00024	.00022	.00050	.0465	.00071	.010	.00004	.00023	.83	.00054
%RSD	14.213	6.4203	4.3370	1.0918	2.6904	.04538	25.515	1.0243	.57885	118.30
#1	.00154	.00322	.01177	4.2247	.02602	22.151	-.00012	.02229	143.45	.00083
#2	.00189	.00353	.01107	4.2905	.02703	22.137	-.00017	.02196	144.63	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06333**	**.00106**	**63.735**	**-.00084**	**.00231**	**30.790**	**-.00083**	**1.1299**	**-.00739**	**-.00091**
Stddev	.00441	.00141	.208	.00047	.00298	.131	.00020	.0039	.00158	.00032
%RSD	6.9562	132.53	.32659	55.388	129.06	.42437	24.269	.34718	21.316	35.094
#1	.06022	.00007	63.882	-.00117	.00441	30.698	-.00068	1.1271	-.00628	-.00068
#2	.06645	.00206	63.588	-.00051	.00020	30.883	-.00097	1.1327	-.00851	-.00114
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.16563**	**.10880**	**.00382**	**-.00197**
Stddev	.00006	.00758	.00010	.00014	.00241
%RSD	13.125	4.5754	.08771	3.5427	121.99
#1	.00043	.16027	.10873	.00372	-.00027
#2	.00052	.17099	.10886	.00391	-.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.9**	**58044.**	**4318.2**
Stddev	4.9	28.	14.7
%RSD	.11753	.04839	.33991
#1	4139.4	58025.	4328.6
#2	4146.3	58064.	4307.8

Sample Name: sd 280-27111-E-1-B@5 Acquired: 4/2/2012 16:34:15 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00076**	**.00696**	**.04865**	**.01290**	**.00008**	**-.00528**	**18.697**	**.00017**	**-.00026**
Stddev	.00039	.00027	.00079	.00049	.00005	.00007	.00203	.015	.00017	.00011
%RSD	75.784	35.167	11.424	1.0088	.38115	91.012	38.394	.08199	102.73	42.528
#1	-.00079	.00094	.00639	.04900	.01293	.00003	-.00671	18.708	.00005	-.00034
#2	-.00024	.00057	.00752	.04830	.01287	.00013	-.00385	18.686	.00029	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00205**	**.01378**	**.79624**	**.00711**	**4.5879**	**-.00033**	**.00430**	**29.547**	**.00012**
Stddev	.00003	.00050	.00095	.05347	.00131	.0124	.00000	.00028	.403	.00001
%RSD	2.9252	24.328	6.8974	6.7158	18.450	.26970	.10725	6.6260	1.3626	11.108
#1	.00091	.00240	.01445	.75843	.00618	4.5966	-.00033	.00410	29.263	.00011
#2	.00095	.00169	.01311	.83405	.00804	4.5791	-.00033	.00450	29.832	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**-.00066**	**12.707**	**-.00059**	**-.00270**	**6.1338**	**-.00019**	**.22944**	**-.00679**	**-.00102**
Stddev	.00169	.00034	.023	.00041	.00189	.0116	.00001	.00018	.00039	.00019
%RSD	14.226	51.740	.17893	70.256	69.870	.18942	7.4894	.07916	5.6837	19.106
#1	.01308	-.00090	12.723	-.00029	-.00404	6.1420	-.00018	.22957	-.00652	-.00088
#2	.01069	-.00042	12.691	-.00088	-.00137	6.1256	-.00019	.22931	-.00706	-.00116
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.02071**	**.02166**	**.00296**	**.00111**
Stddev	.00153	.00202	.00028	.00004	.00181
%RSD	1046.9	9.7783	1.2941	1.2351	163.07
#1	.00094	.01927	.02147	.00293	.00239
#2	-.00123	.02214	.02186	.00298	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4329.5**	**61164.**	**4386.4**
Stddev	1.8	94.	27.8
%RSD	.04212	.15443	.63273
#1	4330.7	61098.	4366.8
#2	4328.2	61231.	4406.0

Sample Name: 280-27111-E-1-C MS Acquired: 4/2/2012 16:36:46 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05239**	**2.1086**	**1.1112**	**1.2527**	**2.0998**	**.05137**	**2.1008**	**138.65**	**.10801**	**.49279**
Stddev	.00046	.0086	.0024	.0005	.0014	.00017	.0016	.00	.00009	.00132
%RSD	.88208	.40827	.21699	.04095	.06580	.33085	.07425	.00302	.08389	.26797
#1	.05272	2.1147	1.1129	1.2530	2.0988	.05125	2.0997	138.64	.10794	.49373
#2	.05206	2.1025	1.1095	1.2523	2.1007	.05150	2.1019	138.65	.10807	.49186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20489**	**.27072**	**1.1852**	**57.806**	**1.0694**	**71.776**	**.50920**	**1.0470**	**187.42**	**.50949**
Stddev	.00020	.00087	.0016	.015	.0002	.029	.00162	.0034	.17	.00095
%RSD	.09827	.32260	.13730	.02643	.02288	.04028	.31739	.32374	.09269	.18694
#1	.20503	.27134	1.1864	57.795	1.0693	71.756	.51034	1.0494	187.54	.51016
#2	.20475	.27010	1.1841	57.816	1.0696	71.797	.50805	1.0446	187.30	.50881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.026**	**.49832**	**60.899**	**.53510**	**2.1499**	**39.465**	**1.9769**	**2.1287**	**.99799**	**1.0175**
Stddev	.024	.00299	.003	.00276	.0088	.059	.0097	.0007	.00143	.0030
%RSD	.21513	.59998	.00429	.51633	.40998	.14881	.48933	.03395	.14295	.29557
#1	11.043	.50043	60.901	.53706	2.1561	39.506	1.9837	2.1282	.99900	1.0197
#2	11.009	.49620	60.898	.53315	2.1436	39.423	1.9700	2.1293	.99698	1.0154
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9540**	**2.2121**	**.60877**	**.51066**	**.49582**
Stddev	.0059	.0202	.00285	.00187	.00028
%RSD	.29977	.91140	.46843	.36604	.05557
#1	1.9581	2.1978	.61079	.51198	.49601
#2	1.9498	2.2263	.60676	.50934	.49562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.7**	**57020.**	**4314.1**
Stddev	37.3	91.	6.1
%RSD	.91497	.15991	.14068
#1	4051.4	57084.	4309.8
#2	4104.1	56955.	4318.4

Sample Name: 280-27111-E-1-D MSD Acquired: 4/2/2012 16:39:00 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113650 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05190**	**2.1115**	**1.1119**	**1.2510**	**2.1021**	**.05141**	**2.1013**	**138.69**	**.10807**	**.49394**
Stddev	.00018	.0046	.0028	.0045	.0072	.00017	.0021	.27	.00006	.00146
%RSD	.35613	.21906	.25572	.36226	.34429	.32380	.09903	.19302	.05550	.29535
#1	.05204	2.1082	1.1099	1.2542	2.1072	.05153	2.1028	138.88	.10803	.49497
#2	.05177	2.1147	1.1139	1.2478	2.0970	.05130	2.0998	138.50	.10812	.49291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20302**	**.27204**	**1.0295**	**57.848**	**1.0691**	**72.109**	**.51191**	**1.0475**	**188.32**	**.51017**
Stddev	.00070	.00008	.0042	.147	.0026	.072	.00012	.0021	.66	.00207
%RSD	.34287	.02859	.41193	.25342	.24056	.09953	.02439	.19667	.34917	.40619
#1	.20351	.27210	1.0325	57.952	1.0709	72.058	.51182	1.0490	188.79	.51163
#2	.20253	.27199	1.0265	57.744	1.0673	72.159	.51199	1.0461	187.86	.50870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.040**	**.49947**	**60.810**	**.53204**	**2.1481**	**39.412**	**1.9754**	**2.1300**	**1.0029**	**1.0204**
Stddev	.024	.00186	.025	.00499	.0072	.145	.0025	.0072	.0009	.0014
%RSD	.21293	.37211	.04139	.93877	.33549	.36768	.12430	.33946	.09331	.13385
#1	11.057	.50078	60.827	.53557	2.1532	39.514	1.9771	2.1351	1.0036	1.0194
#2	11.023	.49816	60.792	.52850	2.1430	39.309	1.9737	2.1249	1.0023	1.0214
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9598**	**2.2409**	**.61088**	**.50445**	**.49774**
Stddev	.0140	.0271	.00003	.00175	.00085
%RSD	.71605	1.2097	.00451	.34667	.17138
#1	1.9697	2.2217	.61086	.50569	.49713
#2	1.9499	2.2601	.61090	.50322	.49834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4088.5**	**56889.**	**4310.5**
Stddev	40.7	69.	21.2
%RSD	.99440	.12108	.49183
#1	4059.8	56938.	4325.5
#2	4117.3	56841.	4295.5

Sample Name: CCVH-1338467 Acquired: 4/2/2012 16:41:14 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**50.616**	**-.00013**	**.00834**	**.00056**	**.00007**	**1.0251**	**.07065**	**-.00169**	**.00193**	**.00057**	**.00416**	**51.564**
Stddev	.00085	.146	.00035	.00101	.00022	.00010	.0039	.00859	.00007	.00000	.00008	.00002	.204
%RSD	122.26	.28868	263.10	12.079	40.203	139.67	.38238	12.164	4.3587	.17191	14.837	.38818	.39607
#1	.00009	50.719	.00012	.00905	.00071	.00015	1.0278	.07673	-.00164	.00194	.00051	.00417	51.708
#2	.00130	50.512	-.00038	.00762	.00040	.00000	1.0223	.06458	-.00174	.00193	.00063	.00415	51.419
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04131**	**.00648**	**-.02455**	**-.00093**	**.00007**	**257.42**	**.00245**	**.01041**	**.00125**	**5.4303**	**-.00629**	**-.00356**	**.01309**
Stddev	.06764	.00127	.00227	.00012	.00017	1.23	.00001	.00154	.00029	.0002	.00089	.00416	.00516
%RSD	163.75	19.547	9.2356	13.418	226.93	.47707	.39972	14.748	23.322	.00382	14.066	116.99	39.404
#1	.08914	.00558	-.02294	-.00102	-.00005	258.28	.00246	.00933	.00105	5.4301	-.00692	-.00061	.00944
#2	-.00652	.00737	-.02615	-.00084	.00019	256.55	.00244	.01150	.00146	5.4304	-.00567	-.00650	.01674
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**.00124**	**4.9809**	**.00345**	**.00564**	**10.154**	**.00762**	**.00561**	**-.02954**
Stddev	.00004	.00009	.0164	.00016	.00053	.000	.00020	.00021	.00034
%RSD	.91191	7.0192	.32944	4.7295	9.4008	.00407	2.6191	3.7644	1.1496
#1	.00393	.00117	4.9693	.00357	.00527	10.154	.00748	.00576	-.02930
#2	.00388	.00130	4.9925	.00334	.00602	10.154	.00776	.00546	-.02978
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4228.9**	**58279.**	**4283.8**
Stddev	73.3	136.	6.3
%RSD	1.7342	.23265	.14648
#1	4177.0	58375.	4279.4
#2	4280.7	58183.	4288.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 16:43:41 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50991**	F **.55921**	**1.0373**	**.53000**	**.50036**	**.50056**	**.00269**	**5.0550**	**.51898**	**.50617**	**.49962**	**.52454**
Stddev	.00045	.00238	.0001	.00081	.00081	.00057	.00024	.0051	.00015	.00065	.00010	.00114
%RSD	.08894	.42565	.01117	.15374	.16251	.11328	9.0466	.10041	.02902	.12907	.02061	.21778
#1	.51023	.55753	1.0372	.52942	.49978	.50096	.00252	5.0586	.51909	.50571	.49970	.52535
#2	.50959	.56090	1.0374	.53058	.50093	.50016	.00287	5.0515	.51888	.50663	.49955	.52373
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5252**	**51.494**	**1.0194**	**20.839**	**.50225**	**.50222**	**5.1996**	**.51783**	**1.0536**	**1.0333**	**.03405**	**1.0473**
Stddev	.0052	.079	.0010	.005	.00016	.00055	.0186	.00028	.0024	.0003	.00128	.0008
%RSD	.20618	.15292	.09394	.02551	.03233	.10977	.35697	.05394	.22706	.02418	3.7627	.07471
#1	2.5289	51.439	1.0201	20.843	.50237	.50261	5.2127	.51803	1.0519	1.0334	.03496	1.0478
#2	2.5215	51.550	1.0188	20.835	.50214	.50183	5.1865	.51763	1.0553	1.0331	.03315	1.0467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0708**	**5.1132**	**.98834**	**.51205**	**-.00489**	**.49559**	**1.0577**	**-.00388**	**.49088**	**.50713**	**.49750**
Stddev	.0025	.0170	.00074	.00034	.00014	.00006	.0015	.01077	.00066	.00004	.00340
%RSD	.23047	.33227	.07481	.06561	2.7973	.01176	.14530	277.56	.13434	.00842	.68404
#1	1.0726	5.1252	.98782	.51228	-.00499	.49563	1.0588	-.01150	.49041	.50716	.49990
#2	1.0691	5.1011	.98886	.51181	-.00480	.49555	1.0566	.00374	.49135	.50710	.49509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4356.4**	**60808.**	**4395.6**
Stddev	1.0	72.	29.2
%RSD	.02325	.11785	.66518
#1	4355.7	60858.	4374.9
#2	4357.1	60757.	4416.3

Sample Name: CCB Acquired: 4/2/2012 16:46:02 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**-.00023**	**-.00077**	F **.00339**	W **-.00077**	**.00006**	**-.00321**	**.00160**	**.00036**	**-.00024**
Stddev	.00081	.00101	.00029	.00016	.00016	.00003	.00092	.00614	.00012	.00001
%RSD	125.37	448.49	38.137	4.7384	20.451	44.513	28.807	385.16	33.206	2.6564
#1	-.00122	.00049	-.00056	.00328	-.00066	.00004	-.00386	-.00275	.00027	-.00025
#2	-.00007	-.00094	-.00098	.00351	-.00088	.00007	-.00255	.00594	.00044	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312	.00058					
Low Limit				-.00312	-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00127**	**.00057**	**-.03247**	F **.00555**	W **-.01945**	F **-.00053**	**.00084**	F **.17594**	**-.00049**
Stddev	.00001	.00011	.00130	.01530	.00104	.00082	.00002	.00026	.01771	.00016
%RSD	6.5007	8.6866	226.24	47.121	18.666	4.2406	4.4093	31.516	10.063	32.824
#1	.00013	.00119	.00149	-.02165	.00628	-.02003	-.00051	.00065	.16342	-.00037
#2	.00015	.00135	-.00034	-.04329	.00481	-.01887	-.00054	.00102	.18846	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit					.00522	.01070	.00051		.10000	
Low Limit					-.00522	-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.00133**	**.02922**	W **.00390**	**-.00030**	**-.00039**	**-.00008**	**.00011**	**-.00630**	**-.00047**
Stddev	.00093	.00143	.00077	.00112	.00072	.01395	.00104	.00009	.00125	.00003
%RSD	68.923	107.82	2.6246	28.625	242.64	3574.2	1231.4	85.442	19.839	7.0039
#1	-.00201	.00032	.02976	.00311	.00021	.00947	-.00082	.00018	-.00718	-.00045
#2	-.00069	.00234	.02868	.00469	-.00081	-.01025	.00065	.00004	-.00541	-.00049
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.01400**	**-.00044**	**.00217**	**-.00081**
Stddev	.00029	.03565	.00054	.00002	.00004
%RSD	96.373	254.58	122.14	.88158	5.1203
#1	.00051	.01120	-.00083	.00219	-.00078
#2	.00010	-.03921	-.00006	.00216	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4293.0**	**61424.**	**4325.7**
Stddev	2.8	81.	7.2
%RSD	.06636	.13201	.16578
#1	4295.0	61482.	4330.7
#2	4290.9	61367.	4320.6

Sample Name: CCVL1341782 Acquired: 4/2/2012 16:48:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00922**	**.11477**	**.01676**	**.10539**	**.00970**	**.00113**	**.11118**	**.22303**	**.00529**	**.01007**	**.00999**
Stddev	.00004	.00097	.00180	.00054	.00052	.00005	.00232	.00390	.00009	.00012	.00001
%RSD	.38387	.84617	10.748	.51056	5.3469	4.7088	2.0893	1.7503	1.7807	1.1542	.07088
#1	.00919	.11408	.01803	.10577	.01007	.00109	.10954	.22027	.00535	.00999	.01000
#2	.00924	.11546	.01549	.10501	.00934	.00117	.11282	.22579	.00522	.01015	.00999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01773**	**.10863**	**3.0899**	F **.01396**	**.19875**	**.00995**	**.01993**	**1.1666**	**.04236**	**3.0729**	**.01017**
Stddev	.00002	.00002	.0263	.00184	.00189	.00007	.00018	.0097	.00042	.0002	.00050
%RSD	.09637	.01479	.85281	13.184	.94867	.69168	.91061	.83064	.99263	.00636	4.9317
#1	.01774	.10864	3.0713	.01526	.20009	.00990	.02005	1.1597	.04266	3.0728	.01052
#2	.01771	.10862	3.1085	.01266	.19742	.01000	.01980	1.1734	.04206	3.0731	.00981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03237**	**.01017**	**.01399**	**.48955**	**.10135**	**.01045**	F **.00718**	**.00926**	**.01402**	**.06604**	**.00925**
Stddev	.00118	.00363	.00082	.01114	.00008	.00008	.00099	.00058	.00072	.00530	.00024
%RSD	3.6400	35.689	5.8948	2.2759	.08217	.74655	13.750	6.2711	5.1268	8.0231	2.5712
#1	.03320	.01273	.01341	.49743	.10141	.01039	.00788	.00885	.01352	.06229	.00908
#2	.03154	.00760	.01458	.48167	.10129	.01050	.00648	.00967	.01453	.06978	.00942
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.01500				
Range							-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.02436**	**.01661**
Stddev	.00001	.00096
%RSD	.03792	5.7876
#1	.02435	.01729
#2	.02436	.01593
Check ?	Chk Warn	Chk Pass
Value	.02000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4405.1**	**62143.**	**4385.9**
Stddev	5.8	227.	4.7
%RSD	.13156	.36483	.10638
#1	4409.2	61983.	4382.6
#2	4401.0	62304.	4389.2

Sample Name: MB 280-113464/1-A Acquired: 4/2/2012 16:51:07 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.00497**	**-.00108**	**.00101**	**-.00115**	**.00012**	**-.00335**	**.00349**	**.00032**	**-.00042**
Stddev	.00008	.00051	.00124	.00050	.00037	.00005	.00167	.00039	.00001	.00015
%RSD	8.7317	10.305	115.59	49.178	31.908	41.739	49.944	11.211	3.8152	36.095
#1	-.00088	.00461	-.00196	.00136	-.00089	.00008	-.00454	.00321	.00031	-.00052
#2	-.00099	.00533	-.00020	.00066	-.00141	.00015	-.00217	.00376	.00032	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00161**	**-.00087**	**-.07684**	**.00302**	**-.01861**	**-.00057**	**.00006**	**.09505**	**-.00045**
Stddev	.00029	.00018	.00442	.05866	.00141	.00082	.00002	.00021	.01268	.00013
%RSD	380.05	11.205	508.79	76.343	46.727	4.4184	2.9943	334.50	13.339	28.663
#1	.00013	.00174	-.00400	-.03536	.00401	-.01919	-.00055	-.00009	.10402	-.00036
#2	-.00028	.00148	.00226	-.11832	.00202	-.01803	-.00058	.00021	.08609	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00019**	**.01611**	**.00053**	W **-.00693**	**-.02181**	**-.00048**	**.00005**	W **-.00642**	**-.00056**
Stddev	.00284	.00087	.00167	.00129	.00054	.00416	.00042	.00001	.00178	.00023
%RSD	865.52	462.08	10.363	244.14	7.8361	19.074	87.230	28.754	27.763	40.269
#1	-.00168	-.00080	.01493	.00144	-.00655	-.01887	-.00018	.00006	-.00768	-.00072
#2	.00233	.00043	.01730	-.00038	-.00732	-.02475	-.00077	.00004	-.00516	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500				.00500	
Low Limit					-.00500				-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**-.00541**	**-.00064**	**.00221**	**-.00124**
Stddev	.00095	.00570	.00022	.00027	.00032
%RSD	85.335	105.34	33.974	12.121	25.753
#1	-.00179	-.00138	-.00049	.00202	-.00101
#2	-.00044	-.00944	-.00079	.00240	-.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4397.6**	**62652.**	**4401.8**
Stddev	.4	112.	8.7
%RSD	.00983	.17847	.19764
#1	4397.9	62731.	4395.7
#2	4397.3	62572.	4408.0

Sample Name: LCS 280-113464/2-A Acquired: 4/2/2012 16:53:39 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05093**	**2.1557**	**1.0534**	**1.0284**	**2.0441**	**.05152**	**2.1137**	**50.960**	**.10735**	**.50172**
Stddev	.00051	.0094	.0046	.0000	.0003	.00003	.0007	.065	.00047	.00027
%RSD	1.0020	.43652	.43863	.00294	.01593	.05079	.03302	.12823	.43448	.05445
#1	.05057	2.1491	1.0501	1.0284	2.0443	.05154	2.1132	51.006	.10702	.50153
#2	.05129	2.1624	1.0567	1.0284	2.0439	.05150	2.1142	50.913	.10768	.50191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20362**	**.26676**	**1.0246**	**53.097**	**1.0433**	**51.646**	**.51447**	**1.0217**	**51.748**	**.51805**
Stddev	.00009	.00024	.0021	.175	.0019	.094	.00043	.0014	.157	.00106
%RSD	.04391	.08816	.19994	.32939	.18499	.18114	.08385	.13490	.30322	.20535
#1	.20368	.26693	1.0260	53.220	1.0446	51.580	.51417	1.0207	51.637	.51730
#2	.20356	.26660	1.0231	52.973	1.0419	51.712	.51478	1.0227	51.859	.51880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.815**	**.51380**	**.02277**	**.52206**	**2.1087**	**10.310**	**1.9767**	**1.0543**	**.99918**	**1.0074**
Stddev	.015	.00099	.00376	.00272	.0099	.000	.0003	.0004	.00083	.0020
%RSD	.14045	.19348	16.521	.52019	.46827	.00007	.01722	.04263	.08294	.20030
#1	10.805	.51450	.02543	.52014	2.1017	10.310	1.9769	1.0546	.99977	1.0060
#2	10.826	.51310	.02011	.52398	2.1157	10.310	1.9765	1.0540	.99859	1.0089
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0502**	**2.0959**	**.50765**	**.50623**	**.49536**
Stddev	.0001	.0089	.00047	.00144	.00217
%RSD	.00481	.42641	.09194	.28511	.43806
#1	2.0503	2.0895	.50798	.50725	.49383
#2	2.0502	2.1022	.50732	.50521	.49690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4269.2**	**59751.**	**4402.6**
Stddev	1.5	64.	35.8
%RSD	.03495	.10662	.81360
#1	4268.2	59796.	4377.2
#2	4270.3	59706.	4427.9

Sample Name: 280-27091-AH-8-A@100 Acquired: 4/2/2012 16:55:57 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.00160**	**-.00143**	**.08393**	**.00012**	**.00011**	**-.00228**	**9.6468**	**.00004**	**-.00038**
Stddev	.00016	.00007	.00456	.00007	.00050	.00011	.00198	.0101	.00002	.00029
%RSD	14.135	4.6659	319.67	.08563	417.55	98.478	87.037	.10481	56.383	75.438
#1	-.00121	.00166	-.00465	.08398	.00047	.00018	-.00088	9.6539	.00006	-.00018
#2	-.00099	.00155	.00180	.08388	-.00023	.00003	-.00368	9.6396	.00003	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00198**	**.00725**	**9.0437**	**.06437**	**13.103**	**.00237**	**.00131**	**284.39**	**.00048**
Stddev	.00001	.00040	.00135	.0166	.00129	.028	.00006	.00033	.28	.00048
%RSD	1.6799	20.338	18.549	.18388	1.9987	.21020	2.3243	25.122	.09983	99.602
#1	.00052	.00169	.00630	9.0554	.06528	13.083	.00241	.00108	284.59	.00014
#2	.00051	.00226	.00820	9.0319	.06346	13.122	.00233	.00155	284.19	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00026**	**23.287**	**-.00192**	**.00145**	**.23557**	**.00053**	**.34023**	**-.00692**	**-.00045**
Stddev	.00161	.00025	.074	.00153	.00181	.00515	.00057	.00031	.00046	.00033
%RSD	123.79	99.113	.31816	79.575	125.21	2.1857	107.13	.09245	6.5904	73.053
#1	.00016	.00044	23.234	-.00300	.00017	.23193	.00013	.34046	-.00724	-.00022
#2	.00244	.00008	23.339	-.00084	.00273	.23921	.00093	.34001	-.00660	-.00068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00254**	**.00407**	**-.00022**	**.00306**	**.00066**
Stddev	.00123	.02839	.00016	.00005	.00037
%RSD	48.364	697.53	72.188	1.6362	56.873
#1	.00167	-.01601	-.00011	.00302	.00039
#2	.00341	.02415	-.00033	.00310	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4190.4**	**58049.**	**4348.5**
Stddev	8.8	167.	4.2
%RSD	.21046	.28813	.09608
#1	4196.6	58167.	4345.6
#2	4184.1	57931.	4351.5

Sample Name: sd 27091-AH-8-A@500 Acquired: 4/2/2012 16:58:27 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**-.00043**	**.00237**	**.01764**	**-.00031**	**.00011**	**-.00049**	**1.9413**	**.00001**	**-.00016**
Stddev	.00007	.00027	.00356	.00026	.00017	.00004	.00491	.0040	.00004	.00003
%RSD	13.408	61.002	150.21	1.4885	55.374	34.356	1007.3	.20766	696.93	16.855
#1	-.00055	-.00025	.00489	.01746	-.00043	.00013	-.00396	1.9385	-.00002	-.00018
#2	-.00045	-.00062	-.00015	.01783	-.00019	.00008	.00298	1.9442	.00004	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00204**	**.00929**	**1.6540**	**.01461**	**2.6788**	**.00009**	**.00001**	**57.601**	**.00017**
Stddev	.00015	.00006	.00037	.0276	.00062	.0119	.00001	.00032	.303	.00011
%RSD	34.983	2.7988	3.9948	1.6670	4.2664	.44359	13.574	4186.1	.52680	65.885
#1	.00032	.00208	.00956	1.6345	.01505	2.6704	.00010	.00023	57.386	.00025
#2	.00053	.00200	.00903	1.6735	.01417	2.6873	.00008	-.00022	57.816	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00129**	**4.5420**	**-.00095**	**-.00456**	**.03679**	**.00033**	**.06859**	**-.00719**	**-.00040**
Stddev	.00190	.00006	.0166	.00099	.00187	.02202	.00026	.00027	.00004	.00005
%RSD	340.36	4.6227	.36515	104.73	41.083	59.862	79.586	.39017	.58717	11.853
#1	.00078	.00133	4.5303	-.00025	-.00324	.02122	.00051	.06840	-.00722	-.00044
#2	-.00190	.00125	4.5537	-.00165	-.00589	.05236	.00014	.06878	-.00716	-.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00183**	**-.00834**	**-.00048**	**.00287**	**-.00072**
Stddev	.00083	.02126	.00023	.00041	.00016
%RSD	45.067	255.03	48.902	14.216	21.955
#1	-.00241	-.02337	-.00031	.00258	-.00061
#2	-.00125	.00670	-.00064	.00316	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4336.4**	**60962.**	**4376.8**
Stddev	5.9	117.	2.0
%RSD	.13627	.19215	.04575
#1	4340.6	61045.	4378.2
#2	4332.3	60879.	4375.4

Sample Name: 27091-AH-8-B MS@100 Acquired: 4/2/2012 17:00:58 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00070**	**.02265**	**.01299**	**.09408**	**.02045**	**.00051**	**.02092**	**10.340**	**.00124**	**.00532**
Stddev	.00010	.00047	.00227	.00060	.00007	.00011	.00127	.037	.00013	.00010
%RSD	14.746	2.0671	17.494	.63487	.35181	22.405	6.0828	.35821	10.560	1.8569
#1	-.00077	.02232	.01460	.09366	.02040	.00043	.02182	10.314	.00115	.00539
#2	-.00063	.02298	.01138	.09450	.02050	.00059	.02002	10.366	.00133	.00525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00262**	**.00501**	**.01554**	**9.7407**	**.07369**	**13.897**	**.00768**	**.01062**	**290.86**	**.00556**
Stddev	.00009	.00014	.00093	.0933	.00408	.021	.00007	.00012	1.27	.00024
%RSD	3.3634	2.7577	5.9768	.95808	5.5429	.15125	.87552	1.1166	.43519	4.3738
#1	.00256	.00491	.01620	9.6747	.07658	13.882	.00772	.01054	289.96	.00573
#2	.00268	.00511	.01489	9.8067	.07080	13.911	.00763	.01070	291.75	.00539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12030**	**.00733**	**23.680**	**.00414**	**.01809**	**.36498**	**.02044**	**.35713**	**.00083**	**.01009**
Stddev	.00092	.00118	.012	.00276	.00807	.02145	.00005	.00106	.00148	.00070
%RSD	.76321	16.056	.05211	66.768	44.619	5.8777	.24456	.29639	178.71	6.9424
#1	.12094	.00816	23.671	.00218	.01238	.34981	.02040	.35639	-.00022	.01059
#2	.11965	.00650	23.688	.00609	.02380	.38015	.02047	.35788	.00187	.00960
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02081**	**.00680**	**.00549**	**.00849**	**.00260**
Stddev	.00194	.01288	.00034	.00043	.00156
%RSD	9.3380	189.56	6.1545	5.0505	60.002
#1	.02218	.01590	.00573	.00819	.00150
#2	.01943	-.00231	.00525	.00879	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4183.8**	**58192.**	**4341.2**
Stddev	9.5	37.	2.3
%RSD	.22619	.06431	.05311
#1	4190.4	58219.	4339.6
#2	4177.1	58166.	4342.8

Sample Name: 27091-AH-8-C MSD@100 Acquired: 4/2/2012 17:03:29 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.02186**	**.01013**	**.09560**	**.02106**	**.00060**	**.02225**	**10.583**	**.00136**	**.00538**
Stddev	.00054	.00040	.00050	.00031	.00006	.00010	.00167	.022	.00007	.00003
%RSD	233.93	1.8346	4.9737	.32737	.29486	17.366	7.5010	.20947	4.9879	.59360
#1	-.00061	.02158	.01049	.09538	.02102	.00053	.02343	10.598	.00131	.00540
#2	.00015	.02215	.00977	.09582	.02111	.00067	.02107	10.567	.00140	.00536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00489**	**.02688**	**9.9803**	**.07553**	**14.148**	**.00803**	**.01094**	**300.28**	**.00561**
Stddev	.00003	.00007	.00272	.0259	.00028	.005	.00002	.00014	.21	.00002
%RSD	1.1002	1.5313	10.114	.25949	.37254	.03522	.27100	1.3142	.07034	.43126
#1	.00284	.00483	.02881	9.9986	.07573	14.145	.00801	.01083	300.43	.00559
#2	.00280	.00494	.02496	9.9620	.07534	14.152	.00804	.01104	300.13	.00563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11926**	**.00429**	**24.220**	**.00308**	**.01512**	**.35167**	**.02084**	**.36524**	**.00300**	**.01015**
Stddev	.00052	.00129	.120	.00042	.00125	.02453	.00103	.00029	.00120	.00032
%RSD	.43711	30.137	.49489	13.479	8.2892	6.9758	4.9251	.07919	39.940	3.1855
#1	.11889	.00520	24.135	.00338	.01601	.33432	.02011	.36504	.00385	.01038
#2	.11962	.00337	24.304	.00279	.01424	.36902	.02156	.36545	.00215	.00993
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02066**	**.00434**	**.00590**	**.00896**	**.00296**
Stddev	.00124	.00809	.00040	.00067	.00146
%RSD	6.0176	186.43	6.8337	7.4821	49.354
#1	.02153	.01006	.00562	.00944	.00399
#2	.01978	-.00138	.00619	.00849	.00193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4167.4**	**58035.**	**4320.8**
Stddev	7.7	12.	4.7
%RSD	.18389	.02089	.10764
#1	4172.8	58026.	4317.5
#2	4161.9	58044.	4324.1

Sample Name: CCVH-1338467 Acquired: 4/2/2012 17:06:00 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**49.629**	**-.00119**	**.00149**	**-.00029**	**.00007**	**1.0096**	**.01025**	**-.00165**	**.00202**	**.00074**	**.00414**	**50.694**
Stddev	.00060	.242	.00163	.00040	.00015	.00010	.0007	.00282	.00010	.00021	.00040	.00029	.192
%RSD	63.006	.48730	136.23	26.755	51.560	134.18	.07147	27.465	5.8104	10.534	53.422	7.0104	.37817
#1	.00053	49.800	-.00234	.00177	-.00018	.00014	1.0101	.00826	-.00158	.00187	.00046	.00393	50.830
#2	.00138	49.458	-.00004	.00121	-.00039	.00000	1.0091	.01225	-.00171	.00218	.00102	.00434	50.559
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06020**	**.00574**	**-.04204**	**-.00110**	**-.00126**	**253.20**	**.00195**	**.00693**	**-.00063**	**5.2941**	**-.00621**	**-.00458**	**.01060**
Stddev	.00206	.00154	.00452	.00010	.00004	1.60	.00011	.00126	.00121	.0021	.00098	.00146	.00019
%RSD	3.4160	26.809	10.745	9.0529	2.8306	.63069	5.8126	18.193	191.58	.03883	15.836	31.957	1.7954
#1	-.06165	.00683	-.04524	-.00117	-.00123	254.33	.00203	.00782	-.00149	5.2927	-.00552	-.00561	.01047
#2	-.05875	.00465	-.03885	-.00103	-.00128	252.07	.00187	.00604	.00022	5.2956	-.00691	-.00354	.01073
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00253**	**.00036**	**4.8874**	**.00315**	**.00243**	**9.9465**	**.00752**	**.00223**	**-.02619**
Stddev	.00085	.00005	.0040	.00006	.00101	.0073	.00023	.00096	.00244
%RSD	33.608	14.349	.08083	1.8939	41.649	.07322	3.1185	42.824	9.3116
#1	.00193	.00032	4.8846	.00311	.00315	9.9413	.00768	.00156	-.02791
#2	.00314	.00039	4.8902	.00320	.00172	9.9516	.00735	.00291	-.02446
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4279.7**	**59325.**	**4349.2**
Stddev	2.6	53.	32.6
%RSD	.05974	.08868	.74898
#1	4277.9	59288.	4326.2
#2	4281.5	59363.	4372.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 17:08:29 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50663**	F **.55563**	**1.0288**	**.52256**	**.49717**	**.50013**	**-.00023**	**5.0232**	**.51682**	**.50333**	**.49667**	**.52342**
Stddev	.00074	.00323	.0048	.00093	.00060	.00012	.00068	.0027	.00085	.00003	.00035	.00019
%RSD	.14508	.58120	.46293	.17823	.12066	.02308	298.29	.05282	.16534	.00666	.07088	.03591
#1	.50715	.55335	1.0254	.52190	.49675	.50005	-.00071	5.0213	.51622	.50335	.49642	.52329
#2	.50611	.55791	1.0322	.52321	.49760	.50021	.00025	5.0251	.51742	.50331	.49692	.52355
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5104**	**51.225**	**1.0158**	**20.800**	**.50176**	**.49883**	**5.1389**	**.51493**	**1.0504**	**1.0299**	**.01136**	**1.0423**
Stddev	.0092	.087	.0031	.006	.00030	.00087	.0176	.00039	.0008	.0014	.00212	.0037
%RSD	.36647	.16996	.30228	.02658	.06072	.17399	.34297	.07498	.07242	.13578	18.710	.35973
#1	2.5169	51.163	1.0137	20.796	.50197	.49944	5.1513	.51520	1.0510	1.0289	.00985	1.0397
#2	2.5039	51.287	1.0180	20.804	.50154	.49821	5.1264	.51465	1.0499	1.0308	.01286	1.0450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0654**	**5.0299**	**.98354**	**.51025**	**-.00731**	**.49068**	**1.0551**	**-.00777**	**.48644**	**.50391**	**.49675**
Stddev	.0075	.0011	.00532	.00011	.00087	.00012	.0006	.01249	.00039	.00023	.00085
%RSD	.70415	.02123	.54141	.02079	11.868	.02493	.06189	160.73	.08060	.04509	.17071
#1	1.0601	5.0307	.97978	.51017	-.00792	.49076	1.0555	-.01660	.48617	.50407	.49735
#2	1.0707	5.0291	.98731	.51032	-.00670	.49059	1.0546	.00106	.48672	.50375	.49615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4357.7**	**60583.**	**4356.8**
Stddev	5.0	28.	39.9
%RSD	.11478	.04540	.91650
#1	4361.2	60564.	4385.1
#2	4354.1	60603.	4328.6

Sample Name: CCB Acquired: 4/2/2012 17:10:48 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00100**	**-.00158**	**-.00028**	**.00042**	**-.00036**	**.00008**	**-.00496**	**-.00168**	**.00022**	**-.00016**
Stddev	.00005	.00015	.00057	.00078	.00023	.00007	.00019	.00192	.00003	.00005
%RSD	4.6307	9.6940	203.87	185.17	63.787	83.589	3.8614	114.23	12.693	34.116
#1	-.00104	-.00147	-.00068	.00097	-.00052	.00013	-.00482	-.00032	.00020	-.00012
#2	-.00097	-.00168	.00012	-.00013	-.00020	.00003	-.00510	-.00304	.00024	-.00019
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093									
Low Limit	-.00093									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	W **.00148**	**-.00104**	**-.05754**	W **.00266**	W **-.01933**	F **-.00053**	**.00079**	F **.11087**	**-.00045**
Stddev	.00007	.00008	.00202	.00784	.00081	.00088	.00003	.00027	.00790	.00008
%RSD	48.562	5.6893	194.16	13.625	30.588	4.5521	6.3466	34.158	7.1269	18.125
#1	-.00019	.00142	.00039	-.05200	.00324	-.01871	-.00051	.00060	.11646	-.00039
#2	-.00009	.00154	-.00247	-.06309	.00209	-.01996	-.00055	.00099	.10528	-.00050
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136			.00261	.01070	.00051		.10000	
Low Limit		-.00136			-.00261	-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**-.00010**	**.00839**	**.00301**	**.00188**	**-.00492**	**.00071**	**.00017**	**-.00689**	W **-.00063**
Stddev	.00172	.00068	.00411	.00147	.00271	.01668	.00027	.00000	.00050	.00029
%RSD	169.03	670.38	48.934	48.769	143.74	339.23	37.882	2.9421	7.3092	46.471
#1	.00224	-.00058	.00549	.00405	.00380	-.01671	.00052	.00017	-.00653	-.00043
#2	-.00020	.00038	.01130	.00197	-.00003	.00688	.00090	.00017	-.00725	-.00084
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										.00060
Low Limit										-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00669**	**-.00048**	**.00226**	**-.00041**
Stddev	.00032	.01264	.00070	.00018	.00012
%RSD	204.78	189.01	145.97	7.9020	27.917
#1	.00007	-.00225	-.00097	.00238	-.00033
#2	-.00038	.01563	.00002	.00213	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4308.1**	**61471.**	**4297.4**
Stddev	10.5	121.	1.8
%RSD	.24411	.19669	.04143
#1	4300.7	61385.	4298.7
#2	4315.5	61556.	4296.1

Sample Name: CCVL1341782 Acquired: 4/2/2012 17:13:21 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00894**	**.11916**	**.01668**	**.10328**	**.00906**	**.00104**	**.11117**	**.20226**	**.00543**	**.01019**	**.00994**
Stddev	.00006	.00946	.00141	.00010	.00049	.00003	.00211	.00177	.00022	.00007	.00003
%RSD	.70110	7.9378	8.4369	.09494	5.3953	2.7733	1.8952	.87282	4.0473	.70680	.32134
#1	.00889	.11248	.01569	.10321	.00941	.00106	.11266	.20101	.00528	.01014	.00997
#2	.00898	.12585	.01768	.10335	.00872	.00102	.10968	.20351	.00559	.01024	.00992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01761**	**.10046**	**2.9601**	W **.01288**	**.19268**	**.00980**	**.01977**	**1.0934**	**.04179**	**3.0747**	**.00938**
Stddev	.00015	.00172	.0058	.00036	.00228	.00004	.00004	.0082	.00007	.0037	.00062
%RSD	.85978	1.7103	.19522	2.8209	1.1850	.41065	.21447	.75311	.16577	.11929	6.6118
#1	.01772	.09924	2.9642	.01314	.19430	.00977	.01974	1.0876	.04184	3.0772	.00894
#2	.01750	.10167	2.9561	.01262	.19107	.00983	.01980	1.0992	.04174	3.0721	.00982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01393**	**.00953**	W **.01122**	**.50788**	**.10069**	**.01044**	F **.00696**	**.00921**	**.01534**	**.06600**	**.00853**
Stddev	.00843	.00041	.00042	.00936	.00015	.00015	.00013	.00025	.00050	.06103	.00008
%RSD	60.506	4.3097	3.7256	1.8433	.14789	1.4353	1.8860	2.7241	3.2752	92.467	.93191
#1	.00797	.00982	.01092	.51450	.10058	.01055	.00686	.00904	.01499	.10916	.00848
#2	.01989	.00924	.01151	.50126	.10079	.01034	.00705	.00939	.01570	.02285	.00859
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02247**	**.01644**
Stddev	.00045	.00130
%RSD	2.0226	7.8851
#1	.02215	.01553
#2	.02280	.01736
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4431.6**	**62528.**	**4416.1**
Stddev	1.4	29.	31.6
%RSD	.03202	.04686	.71456
#1	4430.6	62508.	4438.4
#2	4432.6	62549.	4393.8

Sample Name: 280-27093-AA-1-A@100 Acquired: 4/2/2012 17:15:51 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00096**	**-.00096**	**-.00325**	**.08546**	**-.00037**	**.00013**	**-.00001**	**13.973**	**.00004**	**-.00002**
Stddev	.00016	.00010	.00209	.00018	.00004	.00011	.00184	.014	.00006	.00004
%RSD	16.882	10.832	64.340	.20562	11.646	86.915	21551.	.09713	160.28	263.25
#1	-.00108	-.00088	-.00177	.08533	-.00034	.00021	.00130	13.982	-.00001	.00001
#2	-.00085	-.00103	-.00473	.08558	-.00040	.00005	-.00131	13.963	.00008	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00260**	**.00799**	**7.6090**	**.05667**	**16.271**	**-.00048**	**.00046**	**302.95**	**.00019**
Stddev	.00001	.00004	.00206	.0334	.00294	.041	.00001	.00029	.46	.00016
%RSD	.88422	1.6817	25.745	.43844	5.1969	.25309	1.8933	64.430	.15247	80.740
#1	.00057	.00257	.00944	7.5854	.05458	16.301	-.00047	.00025	303.28	.00008
#2	.00057	.00263	.00653	7.6326	.05875	16.242	-.00049	.00066	302.62	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**-.00048**	**28.889**	**-.00150**	**-.00477**	**.14474**	**-.00049**	**.36691**	**-.00715**	**-.00090**
Stddev	.00492	.00052	.023	.00066	.00958	.01881	.00093	.00087	.00103	.00044
%RSD	596.20	108.45	.08026	43.773	200.94	12.994	192.37	.23831	14.475	49.055
#1	-.00431	-.00011	28.873	-.00196	-.01154	.15803	-.00115	.36753	-.00641	-.00059
#2	.00266	-.00084	28.905	-.00103	.00201	.13144	.00018	.36629	-.00788	-.00121
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**-.00888**	**.00009**	**.00250**	**-.00034**
Stddev	.00096	.00945	.00019	.00025	.00086
%RSD	210.32	106.36	210.95	9.8887	249.78
#1	-.00022	-.00220	.00022	.00267	.00026
#2	.00114	-.01556	-.00004	.00232	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4181.1**	**57918.**	**4319.5**
Stddev	6.9	134.	5.4
%RSD	.16521	.23181	.12537
#1	4186.0	57823.	4315.6
#2	4176.3	58013.	4323.3

Sample Name: 27093-AA-1-B MS@100 Acquired: 4/2/2012 17:18:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.02216**	**.01209**	**.09488**	**.02092**	**.00060**	**.01897**	**14.353**	**.00138**	**.00536**
Stddev	.00023	.00034	.00175	.00070	.00020	.00004	.00264	.023	.00005	.00011
%RSD	29.977	1.5426	14.485	.73358	.95660	7.4308	13.913	.15962	3.2896	2.0622
#1	-.00061	.02192	.01333	.09537	.02077	.00056	.02084	14.369	.00135	.00544
#2	-.00094	.02240	.01086	.09439	.02106	.00063	.01711	14.336	.00141	.00528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00261**	**.00519**	**.01836**	**8.1380**	**.06659**	**16.632**	**.00497**	**.01147**	**300.49**	**.00552**
Stddev	.00002	.00038	.00173	.0425	.00082	.008	.00000	.00032	.10	.00026
%RSD	.65000	7.3109	9.4018	.52177	1.2296	.04690	.07850	2.8245	.03228	4.7654
#1	.00262	.00545	.01714	8.1680	.06717	16.627	.00496	.01170	300.42	.00533
#2	.00259	.00492	.01958	8.1079	.06601	16.638	.00497	.01124	300.56	.00571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12084**	**.00550**	**28.539**	**.00281**	**.01569**	**.26211**	**.01872**	**.37398**	**.00236**	**.01006**
Stddev	.00029	.00041	.038	.00112	.00268	.02569	.00129	.00042	.00047	.00039
%RSD	.23847	7.5411	.13226	39.677	17.107	9.8000	6.8830	.11206	20.087	3.8317
#1	.12064	.00579	28.512	.00360	.01758	.28027	.01963	.37427	.00202	.00979
#2	.12105	.00521	28.566	.00202	.01379	.24394	.01781	.37368	.00269	.01033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02021**	**.02954**	**.00549**	**.00852**	**.00511**
Stddev	.00084	.01448	.00004	.00013	.00151
%RSD	4.1512	49.002	.63830	1.5060	29.593
#1	.02080	.03978	.00547	.00843	.00404
#2	.01962	.01931	.00551	.00861	.00618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4183.5**	**58017.**	**4316.1**
Stddev	7.9	132.	6.6
%RSD	.18993	.22715	.15237
#1	4189.1	58110.	4311.5
#2	4177.8	57924.	4320.8

Sample Name: 27093-AA-1-C MSD@100 Acquired: 4/2/2012 17:20:54 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**.02172**	**.01028**	**.09240**	**.02024**	**.00063**	**.01997**	**13.958**	**.00113**	**.00500**
Stddev	.00016	.00105	.00129	.00008	.00044	.00010	.00092	.008	.00011	.00008
%RSD	24.567	4.8336	12.540	.08499	2.1919	16.483	4.6262	.05819	9.8694	1.6810
#1	-.00075	.02246	.01120	.09234	.02055	.00056	.02062	13.964	.00121	.00494
#2	-.00053	.02097	.00937	.09245	.01993	.00071	.01932	13.952	.00106	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00250**	**.00520**	**.01834**	**7.9371**	**.06660**	**16.218**	**.00479**	**.01086**	**291.46**	**.00575**
Stddev	.00008	.00043	.00243	.0280	.00021	.051	.00000	.00006	.34	.00027
%RSD	3.2747	8.2911	13.229	.35260	.31082	.31658	.03327	.56414	.11542	4.6257
#1	.00244	.00489	.01662	7.9173	.06675	16.182	.00479	.01081	291.22	.00556
#2	.00256	.00550	.02005	7.9569	.06645	16.254	.00479	.01090	291.70	.00593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11805**	**.00490**	**27.800**	**.00449**	**.01671**	**.26501**	**.01975**	**.36413**	**.00203**	**.00942**
Stddev	.00118	.00092	.039	.00056	.00414	.01544	.00017	.00066	.00086	.00025
%RSD	1.0023	18.698	.14168	12.494	24.788	5.8251	.85402	.18020	42.510	2.6541
#1	.11889	.00425	27.828	.00488	.01378	.25409	.01963	.36459	.00264	.00924
#2	.11721	.00555	27.772	.00409	.01964	.27592	.01987	.36366	.00142	.00960
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02105**	**.02151**	**.00544**	**.00862**	**.00461**
Stddev	.00043	.00338	.00050	.00001	.00268
%RSD	2.0188	15.702	9.1408	.07198	58.102
#1	.02075	.01912	.00580	.00862	.00272
#2	.02135	.02390	.00509	.00861	.00651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4177.5**	**58150.**	**4332.9**
Stddev	5.3	59.	10.6
%RSD	.12568	.10206	.24503
#1	4181.2	58192.	4325.4
#2	4173.7	58108.	4340.5

Sample Name: 280-27093-M-2-A@100 Acquired: 4/2/2012 17:23:25 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**-.00106**	**.00077**	**.08787**	**-.00028**	**.00008**	**-.00171**	**13.015**	**.00014**	**-.00010**
Stddev	.00000	.00146	.00513	.00078	.00010	.00004	.00191	.044	.00005	.00000
%RSD	.30115	137.74	669.71	.88223	34.035	51.759	111.91	.33842	40.033	4.6898
#1	-.00108	-.00003	.00440	.08732	-.00021	.00011	-.00306	13.046	.00010	-.00010
#2	-.00107	-.00209	-.00286	.08842	-.00035	.00005	-.00036	12.984	.00018	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00246**	**.00713**	**6.2374**	**.04987**	**14.779**	**.00022**	**.00045**	**278.49**	**.00042**
Stddev	.00000	.00016	.00082	.0160	.00319	.001	.00006	.00035	1.00	.00020
%RSD	.04895	6.5297	11.516	.25599	6.4005	.00770	26.699	78.225	.35828	47.895
#1	.00049	.00258	.00771	6.2487	.04761	14.780	.00026	.00070	279.20	.00056
#2	.00049	.00235	.00655	6.2261	.05213	14.778	.00018	.00020	277.79	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00057**	**28.005**	**-.00047**	**-.00159**	**.14144**	**.00031**	**.34582**	**-.00598**	**-.00080**
Stddev	.00094	.00142	.029	.00110	.00387	.00896	.00057	.00045	.00245	.00018
%RSD	516.81	248.61	.10278	233.03	243.06	6.3336	187.16	.12873	41.004	23.199
#1	.00084	.00043	27.984	-.00125	-.00432	.13510	-.00010	.34614	-.00424	-.00093
#2	-.00048	-.00157	28.025	.00031	.00114	.14777	.00071	.34551	-.00771	-.00067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.01151**	**-.00006**	**.00346**	**-.00079**
Stddev	.00042	.06126	.00044	.00047	.00123
%RSD	109.67	532.46	758.32	13.547	154.92
#1	.00009	-.05483	-.00037	.00379	.00008
#2	.00067	.03181	.00025	.00313	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4193.9**	**58126.**	**4327.5**
Stddev	.9	195.	10.1
%RSD	.02160	.33612	.23432
#1	4194.6	57988.	4320.3
#2	4193.3	58264.	4334.6

Sample Name: 280-27093-M-3-A@100 Acquired: 4/2/2012 17:25:57 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**-.00069**	**-.00110**	**.08813**	**-.00053**	**.00002**	**-.00116**	**13.055**	**-.00009**	**-.00029**
Stddev	.00035	.00007	.00002	.00015	.00022	.00004	.00500	.042	.00033	.00012
%RSD	42.833	9.4556	1.8024	.16900	41.925	222.48	432.52	.32269	348.57	40.022
#1	-.00057	-.00064	-.00109	.08802	-.00037	-.00001	-.00469	13.025	-.00033	-.00021
#2	-.00107	-.00073	-.00112	.08823	-.00069	.00004	.00238	13.085	.00014	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00279**	**.00429**	**6.2933**	**.05126**	**14.814**	**.00023**	**.00060**	**279.73**	**.00008**
Stddev	.00003	.00028	.00219	.0109	.00017	.023	.00009	.00023	.22	.00001
%RSD	5.1845	9.8831	50.980	.17240	.32797	.15591	41.029	38.156	.07774	15.944
#1	.00053	.00260	.00583	6.2856	.05114	14.831	.00029	.00044	279.88	.00009
#2	.00057	.00299	.00274	6.3010	.05138	14.798	.00016	.00076	279.57	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**-.00160**	**28.114**	**-.00081**	**-.00124**	**.15911**	**.00043**	**.34724**	**-.00936**	**-.00103**
Stddev	.00069	.00048	.027	.00549	.00375	.00481	.00017	.00001	.00019	.00015
%RSD	133.46	29.704	.09610	676.15	302.05	3.0234	40.061	.00196	2.0640	14.441
#1	-.00100	-.00127	28.095	-.00470	.00141	.16251	.00031	.34723	-.00950	-.00113
#2	-.00003	-.00194	28.133	.00307	-.00390	.15571	.00056	.34724	-.00923	-.00092
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00400**	**-.00017**	**.00291**	**.00086**
Stddev	.00042	.00677	.00006	.00021	.00016
%RSD	332.73	169.32	33.714	7.1336	18.115
#1	-.00017	-.00879	-.00021	.00276	.00097
#2	.00043	.00079	-.00013	.00305	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4194.9**	**58327.**	**4341.9**
Stddev	.6	65.	32.4
%RSD	.01499	.11087	.74521
#1	4195.3	58282.	4364.7
#2	4194.4	58373.	4319.0

Sample Name: 280-27093-M-4-A@100 Acquired: 4/2/2012 17:28:27 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113464 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**-.00036**	**-.00127**	**.08916**	**-.00058**	**.00010**	**-.00399**	**13.186**	**.00001**	**-.00004**
Stddev	.00095	.00129	.00322	.00044	.00025	.00008	.00143	.009	.00001	.00006
%RSD	71.777	356.73	252.99	.48829	43.559	82.216	35.854	.06456	131.75	135.08
#1	-.00065	.00055	-.00355	.08947	-.00040	.00004	-.00298	13.192	.00000	-.00009
#2	-.00200	-.00127	.00100	.08885	-.00076	.00016	-.00500	13.180	.00001	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00286**	**.00548**	**6.1455**	**.05121**	**16.155**	**.00083**	**.00065**	**265.37**	**.00020**
Stddev	.00001	.00060	.00213	.0107	.00011	.028	.00002	.00010	.55	.00041
%RSD	.90371	21.111	38.815	.17434	.20935	.17184	1.9209	15.090	.20684	203.03
#1	.00062	.00329	.00699	6.1531	.05129	16.175	.00084	.00058	265.76	-.00009
#2	.00063	.00243	.00398	6.1380	.05114	16.135	.00082	.00072	264.98	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**-.00069**	**27.205**	**-.00146**	W **-.00526**	**.15123**	**-.00059**	**.35571**	**-.00771**	**-.00068**
Stddev	.00017	.00068	.005	.00062	.00540	.00488	.00055	.00031	.00076	.00011
%RSD	11.291	99.108	.01969	42.641	102.82	3.2297	93.411	.08688	9.8063	16.018
#1	-.00159	-.00117	27.201	-.00102	-.00908	.14777	-.00020	.35593	-.00824	-.00060
#2	-.00135	-.00021	27.209	-.00190	-.00143	.15468	-.00098	.35549	-.00717	-.00075
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.01257**	**.00007**	**.00323**	**-.00211**
Stddev	.00060	.00934	.00014	.00020	.00156
%RSD	7338.4	74.315	205.46	6.1801	74.171
#1	-.00041	.01918	.00017	.00337	-.00100
#2	.00043	.00596	-.00003	.00309	-.00321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4197.3**	**58380.**	**4321.4**
Stddev	4.1	82.	6.2
%RSD	.09687	.14062	.14302
#1	4194.5	58322.	4325.8
#2	4200.2	58438.	4317.0

Sample Name: CCVH-1338467 Acquired: 4/2/2012 17:31:00 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**49.708**	**-.00079**	**.00041**	**-.00071**	**.00000**	**1.0134**	**.00806**	**-.00170**	**.00194**	**.00049**	**.00516**	**50.880**
Stddev	.00025	.103	.00019	.00041	.00013	.00003	.0038	.00151	.00001	.00025	.00003	.00005	.189
%RSD	51.105	.20774	23.748	100.89	19.003	2714.7	.37558	18.757	.63514	12.858	6.5206	1.0276	.37220
#1	.00032	49.635	-.00093	.00012	-.00061	-.00002	1.0107	.00699	-.00169	.00176	.00051	.00512	50.746
#2	.00068	49.781	-.00066	.00070	-.00080	.00002	1.0161	.00913	-.00171	.00211	.00046	.00520	51.014
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03591**	**.00522**	**-.04634**	**-.00103**	**-.00136**	**254.80**	**.00193**	**.00531**	**.00261**	**5.3563**	**-.00599**	**-.00825**	**-.00541**
Stddev	.01753	.00113	.00182	.00008	.00012	.41	.00023	.00073	.00149	.0192	.00278	.00404	.01087
%RSD	48.808	21.612	3.9251	7.4062	8.8532	.16041	11.861	13.770	56.997	.35880	46.442	48.995	200.97
#1	-.04830	.00442	-.04762	-.00098	-.00127	254.51	.00209	.00479	.00156	5.3427	-.00403	-.01111	.00228
#2	-.02351	.00601	-.04505	-.00109	-.00144	255.09	.00176	.00583	.00366	5.3699	-.00796	-.00539	-.01309
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**.00037**	**4.8736**	**.00285**	**.00250**	**10.010**	**.00799**	**.00208**	**-.02510**
Stddev	.00013	.00001	.0103	.00042	.00054	.026	.00022	.00008	.00089
%RSD	5.3648	1.8208	.21032	14.639	21.410	.26436	2.7658	4.0783	3.5463
#1	.00247	.00037	4.8808	.00315	.00212	10.029	.00783	.00214	-.02573
#2	.00229	.00036	4.8663	.00256	.00288	9.9917	.00815	.00202	-.02447
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4310.8**	**59859.**	**4364.5**
Stddev	.7	170.	.5
%RSD	.01714	.28425	.01193
#1	4311.4	59738.	4364.1
#2	4310.3	59979.	4364.9

Sample Name: CCV-1338469 Acquired: 4/2/2012 17:33:28 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50233**	F **.55753**	**1.0405**	**.52269**	**.49971**	**.50483**	**.00111**	**5.0477**	**.51656**	**.50353**	**.49708**	**.52420**
Stddev	.00018	.00417	.0012	.00229	.00144	.00090	.00017	.0143	.00112	.00051	.00071	.00044
%RSD	.03501	.74860	.11168	.43845	.28908	.17856	15.444	.28332	.21766	.10101	.14284	.08323
#1	.50246	.55458	1.0397	.52107	.49868	.50420	.00099	5.0376	.51577	.50317	.49658	.52451
#2	.50221	.56048	1.0413	.52431	.50073	.50547	.00123	5.0578	.51736	.50389	.49758	.52390
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5227**	**51.839**	**1.0244**	**20.871**	**.50374**	**.49989**	**5.1804**	**.51725**	**1.0526**	**1.0315**	**-.00004**	**1.0475**
Stddev	.0015	.004	.0023	.020	.00155	.00129	.0084	.00065	.0019	.0016	.00390	.0040
%RSD	.05999	.00828	.22089	.09795	.30755	.25777	.16206	.12652	.18386	.15256	9022.9	.38653
#1	2.5238	51.836	1.0260	20.857	.50264	.49897	5.1745	.51679	1.0540	1.0303	.00272	1.0446
#2	2.5217	51.842	1.0228	20.885	.50483	.50080	5.1864	.51771	1.0513	1.0326	-.00280	1.0503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0761**	**5.0796**	**.97909**	**.51682**	**-.00580**	**.48921**	**1.0529**	**-.03062**	**.48359**	**.50471**	**.49953**
Stddev	.0012	.0314	.00137	.00131	.00034	.00197	.0024	.01680	.00058	.00024	.00087
%RSD	.11555	.61826	.13997	.25407	5.8645	.40221	.22413	54.878	.12091	.04847	.17459
#1	1.0753	5.0574	.97812	.51589	-.00604	.48782	1.0512	-.04250	.48318	.50488	.50015
#2	1.0770	5.1019	.98006	.51775	-.00556	.49060	1.0546	-.01874	.48401	.50454	.49891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4380.3**	**61124.**	**4375.6**
Stddev	2.8	9.	8.5
%RSD	.06451	.01450	.19487
#1	4378.3	61118.	4381.7
#2	4382.3	61131.	4369.6

Sample Name: CCB Acquired: 4/2/2012 17:35:46 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**-.00092**	**.00059**	**-.00073**	W **-.00076**	**.00010**	**-.00350**	**-.00164**	W **.00049**	**-.00033**
Stddev	.00086	.00052	.00148	.00010	.00003	.00001	.00045	.00067	.00024	.00016
%RSD	130.79	56.675	251.30	13.508	4.4993	11.904	12.737	41.169	49.098	49.140
#1	-.00126	-.00129	.00164	-.00080	-.00078	.00009	-.00381	-.00116	.00032	-.00044
#2	-.00005	-.00055	-.00046	-.00066	-.00073	.00011	-.00318	-.00211	.00067	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit					.00058				.00045	
Low Limit					-.00058				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	W **.00219**	**-.00239**	**-.06488**	**.00133**	**.00536**	W **-.00036**	**.00073**	F **.13096**	**-.00031**
Stddev	.00024	.00050	.00221	.03625	.00173	.03977	.00032	.00009	.00699	.00004
%RSD	871.52	22.779	92.605	55.862	130.08	742.15	87.856	11.753	5.3351	13.356
#1	-.00020	.00183	-.00395	-.03925	.00011	-.02276	-.00059	.00067	.12602	-.00034
#2	.00014	.00254	-.00082	-.09051	.00255	.03348	-.00014	.00079	.13590	-.00028
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136					.00025		.10000	
Low Limit		-.00136					-.00025		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00236**	**-.00048**	**.00174**	W **.00350**	**-.00461**	**-.02589**	**.00045**	**.00007**	**-.00406**	**-.00016**
Stddev	.00155	.00139	.00771	.00093	.00250	.01874	.00059	.00009	.00246	.00021
%RSD	65.858	286.85	443.34	26.663	54.134	72.390	132.21	124.53	60.755	131.47
#1	-.00345	.00050	.00719	.00284	-.00638	-.03915	.00087	.00001	-.00580	-.00031
#2	-.00126	-.00147	-.00371	.00415	-.00285	-.01264	.00003	.00013	-.00231	-.00001
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.01131**	**.00002**	**.00190**	**.00019**
Stddev	.00001	.01411	.00058	.00002	.00216
%RSD	4.3882	124.82	2571.8	1.1815	1110.3
#1	-.00024	-.00133	-.00039	.00192	.00172
#2	-.00023	-.02128	.00044	.00189	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4346.9**	**61755.**	**4336.5**
Stddev	3.4	61.	9.3
%RSD	.07829	.09849	.21539
#1	4349.3	61712.	4329.8
#2	4344.5	61798.	4343.1

Sample Name: CCVL1341782 Acquired: 4/2/2012 17:38:20 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00874**	**.11449**	**.01367**	**.10340**	**.00886**	**.00104**	**.10864**	**.20302**	**.00515**	**.01008**	**.00991**
Stddev	.00045	.00117	.00063	.00041	.00030	.00000	.00082	.00500	.00008	.00012	.00001
%RSD	5.1622	1.0185	4.5813	.39706	3.3429	.16621	.75319	2.4639	1.5196	1.2223	.14371
#1	.00906	.11367	.01411	.10369	.00865	.00104	.10806	.19948	.00509	.01017	.00992
#2	.00842	.11532	.01323	.10311	.00907	.00103	.10922	.20655	.00521	.01000	.00990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01822**	**.10026**	**2.9720**	W **.01211**	**.19408**	**.00988**	**.02009**	**1.1289**	**.04222**	**3.1062**	**.00948**
Stddev	.00008	.00300	.0076	.00058	.00210	.00004	.00024	.0058	.00016	.0027	.00026
%RSD	.43572	2.9929	.25460	4.8078	1.0838	.40133	1.1846	.51767	.37088	.08586	2.7029
#1	.01817	.10238	2.9667	.01252	.19556	.00985	.02026	1.1247	.04233	3.1043	.00930
#2	.01828	.09814	2.9774	.01169	.19259	.00991	.01992	1.1330	.04211	3.1081	.00966
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	W **.01228**	**.01402**	**.51409**	**.10145**	**.01047**	F **.00731**	**.00866**	**.01686**	**.05757**	**.00946**
Stddev	.00681	.00191	.00129	.00028	.00026	.00004	.00079	.00029	.00018	.00307	.00007
%RSD	787.06	15.570	9.2128	.05494	.25830	.40441	10.740	3.3192	1.0629	5.3331	.68713
#1	-.00568	.01363	.01493	.51390	.10164	.01044	.00787	.00846	.01673	.05974	.00951
#2	.00395	.01093	.01310	.51429	.10127	.01050	.00676	.00887	.01698	.05540	.00941
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000					.01500				
Range		20.000%					-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02233**	**.01655**
Stddev	.00003	.00037
%RSD	.13494	2.2073
#1	.02235	.01630
#2	.02231	.01681
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4445.1**	**62941.**	**4421.3**
Stddev	6.2	57.	6.1
%RSD	.14025	.09023	.13841
#1	4449.5	62900.	4417.0
#2	4440.7	62981.	4425.6

Sample Name: 280-27116-A-4-A@5 Acquired: 4/2/2012 17:40:50 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07759**	**1.0887**	**.48173**	**2.0481**	**.09047**	**.00091**	**-.00192**	**61.987**	**.49160**	**.01902**
Stddev	.00036	.0053	.00637	.0018	.00039	.00011	.00413	.229	.00037	.00002
%RSD	.46419	.48907	1.3232	.08692	.43267	12.614	215.15	.36945	.07444	.07985
#1	.07733	1.0850	.48624	2.0468	.09019	.00083	-.00484	61.825	.49134	.01903
#2	.07784	1.0925	.47723	2.0493	.09075	.00099	.00100	62.149	.49186	.01901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02106**	**.93398**	**6.2109**	W **196.83**	**.20545**	**65.291**	**.44612**	**.19636**	W **2597.3**	**.28287**
Stddev	.00009	.00000	.0294	.83	.00334	.060	.00041	.00016	7.2	.00065
%RSD	.43369	.00014	.47385	.41974	1.6261	.09264	.09119	.08104	.27715	.22926
#1	.02112	.93398	6.1901	196.24	.20309	65.249	.44584	.19647	2592.2	.28333
#2	.02099	.93398	6.2317	197.41	.20781	65.334	.44641	.19625	2602.4	.28241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2744**	**.15814**	**842.98**	**.46752**	**.22390**	**18.932**	**.01908**	**1.5489**	W **-.01092**	**.01981**
Stddev	.0095	.00058	.33	.00086	.00016	.168	.00097	.0050	.00021	.00031
%RSD	.15155	.36619	.03880	.18300	.07118	.88535	5.0853	.32456	1.9169	1.5539
#1	6.2676	.15855	842.74	.46812	.22402	19.051	.01976	1.5453	-.01077	.02003
#2	6.2811	.15773	843.21	.46692	.22379	18.814	.01839	1.5525	-.01107	.01960
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									45.000	
Low Limit									-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**.02270**	**.23211**	W **20.995**	**.00342**
Stddev	.00151	.00893	.00019	.002	.00112
%RSD	50.684	39.327	.07974	.01055	32.695
#1	.00192	.01639	.23224	20.996	.00263
#2	.00406	.02901	.23198	20.993	.00421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3826.2**	**51348.**	**4223.4**
Stddev	1.1	6.	36.4
%RSD	.02877	.01194	.86199
#1	3825.5	51344.	4249.1
#2	3827.0	51352.	4197.6

Sample Name: 280-27116-A-6-A@10 Acquired: 4/2/2012 17:44:00 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05686**	**1.5098**	**.22195**	**.80615**	**.06814**	**.00050**	**-.00513**	**40.318**	**.17170**	**.01245**
Stddev	.00055	.0091	.00346	.00043	.00037	.00004	.00050	.014	.00030	.00020
%RSD	.96217	.60456	1.5577	.05299	.54446	8.5967	9.7033	.03462	.17392	1.6158
#1	.05647	1.5034	.21951	.80585	.06787	.00054	-.00548	40.327	.17191	.01230
#2	.05725	1.5163	.22440	.80646	.06840	.00047	-.00478	40.308	.17149	.01259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01493**	**.59915**	**3.5379**	**67.870**	**.09742**	**27.487**	**.21281**	**.11516**	W **1229.4**	**.15224**
Stddev	.00021	.00198	.0044	.164	.00062	.110	.00071	.00047	.1	.00126
%RSD	1.4245	.33102	.12470	.24211	.63618	.40148	.33576	.41032	.00929	.82504
#1	.01508	.59775	3.5348	67.987	.09786	27.409	.21230	.11549	1229.3	.15313
#2	.01478	.60056	3.5410	67.754	.09698	27.565	.21331	.11482	1229.5	.15135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9056**	**.05760**	**402.01**	**.09368**	**.10364**	**8.8997**	**.00495**	**.81064**	**-.00840**	**.00811**
Stddev	.0056	.00106	.14	.00014	.00150	.0794	.00048	.00136	.00052	.00021
%RSD	.19319	1.8360	.03553	.15197	1.4491	.89215	9.7455	.16775	6.1812	2.6358
#1	2.9016	.05835	402.11	.09378	.10470	8.9558	.00529	.81160	-.00877	.00796
#2	2.9095	.05685	401.91	.09358	.10258	8.8435	.00461	.80968	-.00803	.00826
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00091**	**.10219**	**6.5562**	**.00152**
Stddev	.00080	.01164	.00081	.0260	.00194
%RSD	245.02	1284.4	.79296	.39670	127.61
#1	.00090	.00914	.10276	6.5378	.00015
#2	-.00024	-.00732	.10162	6.5746	.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3963.3**	**54332.**	**4255.3**
Stddev	5.8	171.	6.0
%RSD	.14714	.31406	.14038
#1	3959.1	54453.	4251.1
#2	3967.4	54211.	4259.5

Sample Name: 280-27116-A-8-A@5 Acquired: 4/2/2012 17:47:05 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.10591**	**4.2750**	**.70851**	**1.7172**	**.12528**	**.00086**	**-.00014**	**111.97**	**.83998**	**.03103**
Stddev	.00066	.0252	.00157	.0036	.00012	.00000	.00223	.55	.00275	.00035
%RSD	.62642	.58862	.22180	.20875	.09729	.34429	1620.9	.49383	.32699	1.1376
#1	.10544	4.2572	.70740	1.7197	.12536	.00086	.00144	111.58	.84193	.03128
#2	.10638	4.2928	.70962	1.7147	.12519	.00086	-.00171	112.36	.83804	.03078
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02199**	**1.0055**	**6.4713**	W **101.29**	**.25957**	**72.189**	**.73930**	**.25992**	W **2689.4**	**.30281**
Stddev	.00027	.0005	.0202	.46	.00036	.070	.00119	.00056	14.6	.00006
%RSD	1.2363	.04961	.31198	.45854	.13800	.09679	.16104	.21681	.54379	.02094
#1	.02219	1.0052	6.4571	100.97	.25932	72.140	.73846	.26032	2679.0	.30277
#2	.02180	1.0059	6.4856	101.62	.25982	72.239	.74014	.25952	2699.7	.30286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8043**	**.16217**	**917.27**	**.16367**	**.23491**	**17.192**	**.00770**	**2.3718**	W **-.01019**	**.01441**
Stddev	.0181	.00221	2.59	.00091	.00208	.064	.00163	.0118	.00075	.00039
%RSD	.20531	1.3614	.28231	.55340	.88415	.37513	21.194	.49964	7.3418	2.6859
#1	8.8170	.16061	919.10	.16303	.23344	17.238	.00654	2.3634	-.00966	.01468
#2	8.7915	.16373	915.44	.16431	.23638	17.147	.00885	2.3802	-.01072	.01413
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									45.000	
Low Limit									-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.02910**	**.02255**	**.18931**	W **11.934**	**-.00019**
Stddev	.00156	.03640	.00005	.001	.00097
%RSD	5.3685	161.39	.02552	.01086	517.34
#1	.03021	.04829	.18934	11.933	.00050
#2	.02800	-.00318	.18927	11.935	-.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3779.4**	**51060.**	**4226.3**
Stddev	3.9	49.	9.4
%RSD	.10424	.09534	.22220
#1	3782.2	51094.	4232.9
#2	3776.6	51025.	4219.6

Sample Name: 280-27116-A-10-A@5 Acquired: 4/2/2012 17:50:13 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05878**	**4.0998**	**.67179**	**1.2352**	**.13458**	**.00083**	**.00746**	**95.306**	**1.0319**	**.02480**
Stddev	.00062	.0002	.00138	.0012	.00011	.00013	.00082	.069	.0005	.00005
%RSD	1.0548	.00400	.20527	.09314	.08460	16.110	11.056	.07272	.05068	.19542
#1	.05921	4.0999	.67081	1.2360	.13466	.00093	.00687	95.355	1.0323	.02483
#2	.05834	4.0997	.67276	1.2344	.13450	.00074	.00804	95.257	1.0316	.02477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02010**	**.59157**	**5.7587**	W **131.23**	**.20700**	**64.433**	**1.3423**	**.21535**	W **2491.6**	**.32519**
Stddev	.00000	.00093	.0107	.05	.00436	.060	.0009	.00021	1.4	.00056
%RSD	.00487	.15694	.18599	.03563	2.1061	.09352	.06834	.09964	.05672	.17168
#1	.02010	.59091	5.7511	131.19	.20392	64.390	1.3416	.21550	2492.6	.32479
#2	.02010	.59222	5.7663	131.26	.21008	64.476	1.3429	.21520	2490.6	.32558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.592**	**.20981**	**745.24**	**.13549**	**.27460**	**15.997**	**.00555**	**2.1620**	**-.00845**	**.00474**
Stddev	.025	.00119	.04	.00182	.00054	.121	.00086	.0008	.00021	.00009
%RSD	.15194	.56526	.00496	1.3434	.19652	.75915	15.474	.03668	2.4678	1.9942
#1	16.574	.20897	745.26	.13421	.27422	16.083	.00494	2.1626	-.00860	.00481
#2	16.610	.21065	745.21	.13678	.27498	15.911	.00615	2.1615	-.00830	.00467
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01458**	**-.00090**	**.14109**	W **14.380**	**.00050**
Stddev	.00003	.00400	.00008	.012	.00051
%RSD	.23515	442.49	.05551	.08623	103.85
#1	.01461	.00193	.14114	14.371	.00013
#2	.01456	-.00374	.14103	14.389	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3754.7**	**50858.**	**4163.2**
Stddev	12.4	78.	8.9
%RSD	.33073	.15345	.21491
#1	3745.9	50913.	4169.6
#2	3763.5	50803.	4156.9

Sample Name: 280-27116-A-12-A@5 Acquired: 4/2/2012 17:53:19 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05742**	**1.4210**	**.42212**	**1.7202**	**.11999**	**.00076**	**.00138**	**68.571**	**.30678**	**.01551**
Stddev	.00020	.0044	.00661	.0029	.00039	.00004	.00232	.030	.00097	.00012
%RSD	.34182	.31047	1.5658	.16747	.32641	5.4542	168.66	.04321	.31587	.79128
#1	.05728	1.4179	.42679	1.7222	.11971	.00078	.00302	68.592	.30747	.01560
#2	.05755	1.4241	.41745	1.7181	.12026	.00073	-.00027	68.550	.30610	.01542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01428**	**1.1391**	**6.3428**	W **226.62**	**.25403**	**71.557**	**1.3375**	**.22162**	W **2707.1**	**.22584**
Stddev	.00004	.0011	.0020	.05	.00074	.017	.0008	.00131	3.3	.00049
%RSD	.24940	.09411	.03100	.02323	.29122	.02347	.06094	.58893	.12067	.21784
#1	.01430	1.1383	6.3414	226.66	.25351	71.569	1.3381	.22254	2704.8	.22549
#2	.01425	1.1398	6.3442	226.58	.25456	71.545	1.3369	.22069	2709.4	.22618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.413**	**.08753**	**796.93**	**.15850**	**.25014**	**14.219**	**.00462**	**1.8300**	**-.00819**	**.00543**
Stddev	.025	.00076	1.84	.00048	.00326	.128	.00055	.0017	.00146	.00085
%RSD	.23597	.86595	.23147	.30469	1.3020	.89927	11.836	.09315	17.799	15.670
#1	10.431	.08699	798.23	.15884	.25245	14.309	.00501	1.8312	-.00716	.00603
#2	10.396	.08806	795.62	.15816	.24784	14.128	.00423	1.8288	-.00922	.00483
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**-.00518**	**.15673**	W **12.419**	**.00058**
Stddev	.00043	.02066	.00089	.015	.00136
%RSD	54.501	398.69	.56879	.11858	233.04
#1	.00049	.00943	.15736	12.430	.00154
#2	.00110	-.01979	.15610	12.409	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3804.4**	**51359.**	**4242.4**
Stddev	12.0	63.	16.6
%RSD	.31487	.12284	.39035
#1	3812.9	51314.	4254.1
#2	3796.0	51403.	4230.7

Sample Name: 280-27116-A-14-A@5 Acquired: 4/2/2012 17:56:26 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113573 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08098**	**.63653**	**.56240**	**1.6415**	**.09493**	**.00061**	**.00172**	**46.347**	**.52764**	**.01132**
Stddev	.00024	.00041	.00041	.0036	.00014	.00006	.00073	.199	.00086	.00013
%RSD	.29036	.06456	.07374	.21934	.14877	10.460	42.576	.42968	.16242	1.1204
#1	.08115	.63624	.56270	1.6441	.09503	.00056	.00120	46.206	.52825	.01123
#2	.08081	.63682	.56211	1.6390	.09483	.00065	.00224	46.488	.52704	.01141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02292**	**.95163**	**7.0764**	W **281.39**	**.23550**	**71.233**	**.75866**	**.23180**	W **2811.5**	**.13564**
Stddev	.00008	.00042	.0207	.79	.00470	.069	.00069	.00050	9.5	.00057
%RSD	.36455	.04448	.29274	.28022	1.9975	.09744	.09114	.21772	.33803	.42220
#1	.02298	.95193	7.0618	280.83	.23217	71.184	.75817	.23216	2804.8	.13523
#2	.02286	.95133	7.0911	281.94	.23883	71.283	.75915	.23145	2818.2	.13604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.5797**	**.05733**	**801.50**	**.33545**	**.23436**	**12.943**	**.00546**	**1.5781**	W **-.01132**	**.01485**
Stddev	.0162	.00183	1.34	.00521	.00084	.063	.00135	.0050	.00011	.00099
%RSD	.24557	3.1923	.16659	1.5520	.35885	.48934	24.619	.31992	1.0002	6.6490
#1	6.5911	.05604	802.44	.33913	.23377	12.988	.00641	1.5745	-.01124	.01416
#2	6.5683	.05863	800.55	.33176	.23496	12.898	.00451	1.5816	-.01140	.01555
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									45.000	
Low Limit									-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.02115**	**.20536**	**8.8195**	**.00176**
Stddev	.00283	.00195	.00053	.0098	.00199
%RSD	103.08	9.2014	.25612	.11060	113.40
#1	.00074	.02252	.20499	8.8126	.00317
#2	.00474	.01977	.20573	8.8264	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3803.1**	**51155.**	**4224.5**
Stddev	8.6	83.	15.6
%RSD	.22565	.16260	.36871
#1	3797.1	51214.	4235.5
#2	3809.2	51096.	4213.5

Sample Name: CCVH-1338467 Acquired: 4/2/2012 17:59:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**49.685**	**-.00106**	**.00597**	**-.00076**	**.00008**	**1.0053**	**.01153**	**-.00164**	**.00193**	**.00073**	**.00568**	**50.755**
Stddev	.00018	.003	.00455	.00003	.00036	.00007	.0087	.00036	.00023	.00004	.00008	.00020	.160
%RSD	37.282	.00633	427.21	.52849	46.847	92.244	.86533	3.1099	14.000	1.9159	10.359	3.4920	.31579
#1	.00060	49.688	.00215	.00595	-.00051	.00013	1.0115	.01127	-.00180	.00190	.00079	.00582	50.868
#2	.00035	49.683	-.00428	.00600	-.00101	.00003	.99918	.01178	-.00148	.00195	.00068	.00554	50.641
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33532**	**.00262**	**-.04855**	**-.00101**	**-.00144**	**256.44**	**.00259**	**.02208**	**.00208**	**5.4306**	**-.00624**	**-.00477**	**.00779**
Stddev	.02984	.00154	.00397	.00003	.00005	.14	.00029	.00158	.00293	.0164	.00109	.00279	.00391
%RSD	8.8977	58.735	8.1765	2.5198	3.4881	.05465	11.234	7.1720	140.69	.30256	17.448	58.530	50.150
#1	.35642	.00153	-.05136	-.00099	-.00147	256.54	.00239	.02320	.00415	5.4422	-.00547	-.00280	.00503
#2	.31422	.00370	-.04574	-.00103	-.00140	256.34	.00280	.02096	.00001	5.4189	-.00701	-.00674	.01055
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00263**	**.00043**	**4.8986**	**.00205**	**.00211**	**10.049**	**.00746**	**.00236**	**-.02281**
Stddev	.00105	.00008	.0053	.00014	.00151	.029	.00057	.00027	.00068
%RSD	40.062	19.315	.10821	6.6321	71.384	.29089	7.7051	11.588	2.9685
#1	.00188	.00037	4.9024	.00215	.00318	10.028	.00705	.00217	-.02234
#2	.00337	.00048	4.8949	.00196	.00105	10.070	.00787	.00256	-.02329
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4354.0**	**60123.**	**4401.9**
Stddev	7.3	69.	20.1
%RSD	.16805	.11490	.45735
#1	4348.9	60074.	4387.7
#2	4359.2	60172.	4416.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 18:02:02 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50341**	F **.56830**	**1.0504**	**.53182**	**.50173**	**.50656**	**-.00026**	**5.0529**	**.52072**	**.50503**	**.49849**	**.52978**
Stddev	.00065	.00354	.0031	.00155	.00141	.00115	.00235	.0139	.00033	.00006	.00006	.00042
%RSD	.12956	.62277	.29329	.29228	.28100	.22650	906.37	.27420	.06343	.01105	.01136	.07904
#1	.50295	.56579	1.0526	.53072	.50074	.50575	.00140	5.0431	.52049	.50507	.49853	.53008
#2	.50387	.57080	1.0483	.53292	.50273	.50737	-.00192	5.0627	.52095	.50500	.49845	.52949
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5382**	**52.350**	**1.0306**	**20.921**	**.50386**	**.50406**	F **5.8910**	**.52075**	**1.0705**	**1.0378**	**.05520**	**1.0615**
Stddev	.0060	.174	.0046	.015	.00067	.00020	.0074	.00106	.0020	.0020	.00311	.0002
%RSD	.23586	.33154	.45011	.07067	.13324	.03943	.12567	.20334	.18737	.19366	5.6281	.01872
#1	2.5339	52.228	1.0273	20.932	.50433	.50392	5.8962	.52000	1.0690	1.0364	.05739	1.0613
#2	2.5424	52.473	1.0339	20.911	.50338	.50420	5.8857	.52150	1.0719	1.0392	.05300	1.0616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0895**	**5.0951**	**.97604**	**.52036**	**-.00526**	**.48915**	**1.0598**	**-.01213**	**.48255**	**.50240**	**.49864**
Stddev	.0040	.0119	.00068	.00242	.00061	.00140	.0007	.03564	.00076	.00136	.00348
%RSD	.37157	.23283	.06948	.46456	11.582	.28719	.06245	293.68	.15842	.27024	.69725
#1	1.0924	5.1035	.97652	.51865	-.00569	.49014	1.0603	.01306	.48309	.50336	.49618
#2	1.0867	5.0867	.97556	.52207	-.00482	.48816	1.0594	-.03733	.48201	.50144	.50110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4409.9**	**61863.**	**4435.3**
Stddev	6.2	84.	4.7
%RSD	.14097	.13641	.10654
#1	4405.5	61923.	4438.6
#2	4414.3	61803.	4431.9

Sample Name: CCB Acquired: 4/2/2012 18:04:22 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00111**	**-.00029**	**-.00012**	W **.00296**	**-.00043**	**.00014**	**-.00413**	**.00305**	**.00023**	**-.00011**
Stddev	.00074	.00023	.00149	.00042	.00015	.00003	.00062	.00303	.00001	.00012
%RSD	66.202	77.372	1258.2	14.357	35.622	24.153	15.093	99.334	6.5206	103.63
#1	-.00163	-.00045	-.00117	.00266	-.00032	.00011	-.00458	.00520	.00024	-.00003
#2	-.00059	-.00013	.00093	.00326	-.00054	.00016	-.00369	.00091	.00022	-.00020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00156						
Low Limit	-.00093			-.00156						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	W **.00197**	**-.00127**	**.08629**	**.00237**	W **-.01561**	F **-.00054**	**.00081**	F **.78156**	**-.00069**
Stddev	.0001	.00058	.00149	.02821	.00032	.00252	.00001	.00006	.00483	.00030
%RSD	3214.0	29.623	117.88	32.696	13.538	16.148	2.2343	6.8740	.61819	43.392
#1	-.00008	.00238	-.00232	.10625	.00214	-.01382	-.00054	.00085	.77814	-.00048
#2	.00007	.00156	-.00021	.06634	.00259	-.01739	-.00053	.00077	.78497	-.00090
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00051		.10000	
Low Limit		-.00136				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00499**	**-.00042**	**.04375**	W **.00389**	**-.00133**	**-.00078**	**.00071**	**.00029**	**-.00615**	W **-.00069**
Stddev	.00094	.00067	.00022	.00050	.00151	.00067	.00024	.00018	.00127	.00021
%RSD	18.873	157.68	.50621	12.748	113.23	85.220	34.439	61.276	20.585	30.368
#1	.00433	.00005	.04360	.00354	-.00239	-.00031	.00054	.00016	-.00705	-.00084
#2	.00566	-.00089	.04391	.00424	-.00026	-.00125	.00088	.00041	-.00526	-.00054
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00314						.00060
Low Limit				-.00314						-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.02382**	**-.00066**	**.00163**	**-.00098**
Stddev	.00012	.02230	.00032	.00039	.00081
%RSD	63.481	93.648	49.080	24.174	82.597
#1	.00011	-.00805	-.00088	.00191	-.00041
#2	.00028	-.03959	-.00043	.00135	-.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4335.6**	**61890.**	**4342.4**
Stddev	5.4	297.	6.3
%RSD	.12433	.47952	.14428
#1	4331.8	61680.	4346.8
#2	4339.4	62099.	4337.9

Sample Name: CCVL1341782 Acquired: 4/2/2012 18:06:55 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00978**	**.11713**	**.01692**	**.10739**	**.00909**	**.00109**	**.10846**	**.21807**	**.00548**	**.01019**	**.01026**
Stddev	.00013	.00062	.00213	.00068	.00039	.00010	.00123	.00274	.00001	.00031	.00003
%RSD	1.2981	.52649	12.600	.63088	4.3401	9.3511	1.1377	1.2558	.19997	3.0354	.29630
#1	.00987	.11670	.01541	.10786	.00937	.00102	.10933	.22001	.00548	.01041	.01028
#2	.00969	.11757	.01843	.10691	.00881	.00116	.10758	.21614	.00547	.00997	.01024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01828**	**.10484**	**3.2728**	F **.01531**	**.19853**	**.01011**	**.02019**	F **1.6526**	**.04315**	**3.1336**	**.00877**
Stddev	.00004	.00085	.0581	.00068	.00228	.00006	.00010	.0223	.00046	.0002	.00049
%RSD	.24382	.80683	1.7762	4.4125	1.1472	.55771	.51411	1.3527	1.0682	.00706	5.5778
#1	.01831	.10424	3.3140	.01579	.20014	.01015	.02026	1.6685	.04348	3.1337	.00911
#2	.01825	.10544	3.2317	.01484	.19692	.01007	.02012	1.6368	.04283	3.1334	.00842
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000				1.0000			
Range	20.000%			30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02918**	**.01118**	**.01496**	**.51810**	**.10165**	**.01069**	F **.00773**	**.00943**	**.01653**	**.05327**	**.00948**
Stddev	.00338	.00002	.00216	.00177	.00144	.00020	.00133	.00023	.00032	.00697	.00049
%RSD	11.574	.20105	14.424	.34258	1.4143	1.8353	17.232	2.4217	1.9056	13.081	5.1315
#1	.03156	.01117	.01649	.51685	.10267	.01055	.00679	.00959	.01631	.05819	.00983
#2	.02679	.01120	.01343	.51936	.10063	.01083	.00867	.00927	.01676	.04834	.00914
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.01500				
Range							-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02233**	**.01614**
Stddev	.00041	.00002
%RSD	1.8173	.13990
#1	.02204	.01616
#2	.02262	.01612
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4426.6**	**62861.**	**4397.1**
Stddev	5.7	162.	7.6
%RSD	.12828	.25828	.17293
#1	4430.6	62747.	4391.8
#2	4422.6	62976.	4402.5

Sample Name: MB 280-113762/1-A Acquired: 4/2/2012 18:09:27 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**.00154**	**.00086**	**.00093**	**-.00071**	**.00008**	**-.00257**	**.02821**	**.00045**	**-.00030**
Stddev	.00009	.00107	.00288	.00033	.00005	.00015	.00171	.00010	.00004	.00004
%RSD	6.8113	69.213	336.22	35.670	7.0973	175.10	66.627	.36014	8.4080	12.845
#1	-.00131	.00230	-.00118	.00116	-.00075	.00019	-.00378	.02814	.00042	-.00027
#2	-.00144	.00079	.00290	.00069	-.00068	-.00002	-.00136	.02828	.00048	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00270**	**.00464**	**.01012**	**.00408**	**-.01685**	**-.00046**	**-.00004**	W **.74574**	**-.00017**
Stddev	.00004	.00009	.00133	.01618	.00212	.00245	.00002	.00014	.01584	.00011
%RSD	82.089	3.3353	28.695	159.97	52.093	14.548	4.5168	333.97	2.1241	67.510
#1	.00002	.00264	.00370	-.00133	.00558	-.01859	-.00045	-.00014	.75694	-.00009
#2	.00008	.00277	.00558	.02156	.00258	-.01512	-.00048	.00006	.73454	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.50000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00774**	**-.00006**	**.04934**	**.00177**	**-.00071**	**.00012**	**.00880**	**.00014**	W **-.00610**	**-.00030**
Stddev	.00043	.00041	.00434	.00001	.00241	.01504	.00009	.00000	.00096	.00015
%RSD	5.5342	685.36	8.8014	.33513	341.50	12044.	1.0726	1.3245	15.770	48.334
#1	.00744	-.00035	.04627	.00177	-.00241	-.01051	.00873	.00014	-.00678	-.00020
#2	.00804	.00023	.05241	.00178	.00100	.01076	.00887	.00014	-.00542	-.00041
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500								.00500	
Low Limit	-.00500								-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	W **-.05119**	**-.00099**	**.00259**	**-.00116**
Stddev	.00020	.01211	.00041	.00039	.00081
%RSD	15.435	23.658	41.262	15.172	69.671
#1	-.00144	-.05975	-.00128	.00287	-.00174
#2	-.00116	-.04262	-.00070	.00231	-.00059
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.05000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4440.2**	**63569.**	**4451.6**
Stddev	2.1	24.	7.6
%RSD	.04735	.03811	.17180
#1	4441.7	63586.	4457.0
#2	4438.7	63551.	4446.2

Sample Name: LCS 280-113762/2-A Acquired: 4/2/2012 18:12:00 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04996**	**2.1547**	**1.0446**	**1.0156**	**2.0167**	**.05156**	**2.0602**	**50.154**	**.10603**	**.49449**
Stddev	.00025	.0000	.0013	.0015	.0019	.00009	.0039	.026	.00007	.00031
%RSD	.50133	.00198	.12192	.14648	.09552	.16688	.18761	.05169	.06630	.06302
#1	.04978	2.1547	1.0437	1.0166	2.0180	.05162	2.0629	50.172	.10608	.49471
#2	.05014	2.1547	1.0455	1.0145	2.0153	.05150	2.0574	50.135	.10598	.49427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19904**	**.26910**	**1.0151**	**53.370**	**1.0439**	**50.921**	**.50906**	**1.0194**	**52.258**	**.51575**
Stddev	.00032	.00091	.0084	.067	.0004	.154	.00101	.0015	.384	.00134
%RSD	.15842	.33634	.82359	.12460	.04216	.30227	.19828	.14810	.73496	.25929
#1	.19926	.26846	1.0210	53.323	1.0436	50.812	.50835	1.0205	52.529	.51669
#2	.19881	.26974	1.0092	53.417	1.0442	51.030	.50978	1.0184	51.986	.51480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.754**	**.50712**	**.05335**	**.51758**	**2.1000**	**1.9407**	**1.9318**	**1.0577**	**.96626**	**.99516**
Stddev	.004	.00041	.00526	.00078	.0068	.0110	.0015	.0005	.00404	.00359
%RSD	.03665	.08127	9.8584	.15124	.32495	.56824	.07623	.04751	.41838	.36066
#1	10.757	.50741	.05707	.51814	2.1048	1.9329	1.9308	1.0581	.96340	.99263
#2	10.751	.50682	.04963	.51703	2.0951	1.9485	1.9329	1.0573	.96912	.99770
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0246**	**2.0666**	**.49119**	**.49622**	**.49945**
Stddev	.0054	.0301	.00273	.00246	.00035
%RSD	.26878	1.4580	.55665	.49632	.06939
#1	2.0284	2.0453	.48926	.49448	.49969
#2	2.0208	2.0879	.49313	.49797	.49920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4246.1**	**59923.**	**4364.0**
Stddev	5.9	49.	5.1
%RSD	.13904	.08167	.11772
#1	4250.3	59957.	4367.6
#2	4241.9	59888.	4360.3

Sample Name: 280-27148-A-1-A Acquired: 4/2/2012 18:14:18 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00157**	**86.458**	**.02455**	**.01437**	**.70837**	**.00107**	**.00444**	**72.557**	**.00189**	**.08678**
Stddev	.00020	.187	.00519	.00063	.00200	.00004	.00077	.202	.00004	.00037
%RSD	12.905	.21686	21.129	4.4185	.28258	3.8439	17.267	.27827	2.3584	.42856
#1	-.00172	86.590	.02088	.01481	.70978	.00110	.00498	72.700	.00185	.08652
#2	-.00143	86.325	.02822	.01392	.70695	.00105	.00389	72.414	.00192	.08705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10798**	**.16863**	**228.27**	**15.595**	**.08370**	**51.071**	**3.4008**	**.00291**	**4.3771**	**.13444**
Stddev	.00030	.00057	.41	.022	.00107	.063	.0059	.00025	.0187	.00102
%RSD	.27476	.33566	.17953	.14284	1.2756	.12331	.17264	8.6662	.42702	.75844
#1	.10777	.16903	228.56	15.611	.08295	51.115	3.4049	.00273	4.3904	.13372
#2	.10819	.16823	227.98	15.579	.08446	51.026	3.3966	.00309	4.3639	.13516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.9066**	**.06008**	**.80088**	**.00623**	F **-.01390**	**5.4789**	**-.01324**	**.33127**	**.02226**	W **15.565**
Stddev	.0149	.00060	.00407	.00096	.00419	.0308	.00002	.00149	.00016	.040
%RSD	.16685	1.0025	.50770	15.434	30.121	.56148	.14723	.44955	.73936	.25716
#1	8.8961	.06051	.80375	.00691	-.01094	5.5007	-.01325	.33232	.02214	15.593
#2	8.9171	.05966	.79800	.00555	-.01686	5.4572	-.01322	.33022	.02238	15.536
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**-.00105**	**.51791**	**.48790**	**.21088**
Stddev	.00075	.00513	.00016	.00033	.00179
%RSD	7.6899	489.07	.03106	.06862	.84706
#1	.01029	-.00468	.51802	.48767	.21215
#2	.00923	.00258	.51779	.48814	.20962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4732.9**	**65890.**	**4824.3**
Stddev	16.3	186.	.5
%RSD	.34502	.28283	.01066
#1	4744.4	65758.	4823.9
#2	4721.3	66022.	4824.6

Sample Name: sd 280-27148-A-1-A@5 Acquired: 4/2/2012 18:16:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**18.898**	**.00739**	**.00405**	**.15455**	**.00030**	**-.00070**	**15.831**	**.00050**	**.02028**
Stddev	.00044	.016	.00043	.00014	.00033	.00010	.00001	.035	.00005	.00003
%RSD	29.060	.08340	5.8168	3.5391	.21434	34.921	1.4362	.21973	9.2172	.16967
#1	-.00121	18.909	.00770	.00415	.15478	.00022	-.00069	15.856	.00054	.02025
#2	-.00184	18.886	.00709	.00395	.15432	.00037	-.00070	15.807	.00047	.02030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02421**	**.03967**	**50.497**	**3.3401**	**.02004**	**11.474**	**.75332**	**.00036**	**1.1510**	**.03086**
Stddev	.00003	.00008	.074	.0060	.00086	.013	.00002	.00007	.0119	.00007
%RSD	.12671	.19846	.14679	.17972	4.2990	.11387	.00327	19.272	1.0374	.22098
#1	.02423	.03973	50.445	3.3443	.01943	11.465	.75331	.00040	1.1594	.03081
#2	.02418	.03961	50.550	3.3358	.02065	11.484	.75334	.00031	1.1425	.03091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9673**	**.01320**	**.19986**	**-.00048**	W **-.00673**	**1.1426**	**-.00398**	**.07280**	**-.00176**	**3.4314**
Stddev	.0038	.00080	.00331	.00103	.00206	.0193	.00096	.00029	.00015	.0004
%RSD	.19355	6.0436	1.6561	213.88	30.695	1.6920	24.155	.39518	8.6964	.01237
#1	1.9700	.01263	.19752	.00025	-.00819	1.1562	-.00465	.07300	-.00187	3.4317
#2	1.9646	.01376	.20220	-.00122	-.00527	1.1289	-.00330	.07260	-.00165	3.4311
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00226**	**-.02157**	**.11249**	**.11006**	**.04885**
Stddev	.00028	.01179	.00057	.00005	.00188
%RSD	12.395	54.661	.50952	.04107	3.8423
#1	.00246	-.02991	.11209	.11010	.04753
#2	.00206	-.01323	.11290	.11003	.05018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4527.6**	**63435.**	**4491.2**
Stddev	8.0	9.	14.0
%RSD	.17572	.01415	.31061
#1	4522.0	63429.	4481.3
#2	4533.3	63441.	4501.1

Sample Name: 280-27148-A-1-B DU Acquired: 4/2/2012 18:19:18 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**77.325**	**.02334**	**.01258**	**.73020**	**.00067**	**.00623**	**79.677**	**.00189**	**.09025**
Stddev	.00038	.254	.00186	.00068	.00355	.00003	.00211	.170	.00018	.00060
%RSD	31.172	.32805	7.9864	5.3921	.48575	4.3038	33.811	.21290	9.3561	.66516
#1	-.00096	77.145	.02202	.01210	.72769	.00069	.00474	79.557	.00202	.08982
#2	-.00150	77.504	.02465	.01306	.73270	.00065	.00772	79.797	.00177	.09067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13594**	**.16991**	**225.34**	**14.136**	**.08144**	**47.496**	**3.3396**	**.00281**	**3.5629**	**.14892**
Stddev	.00002	.00050	.74	.005	.00047	.029	.0012	.00015	.0140	.00012
%RSD	.01229	.29599	.32738	.03549	.58286	.06145	.03468	5.3267	.39152	.07848
#1	.13596	.17027	224.81	14.133	.08110	47.517	3.3404	.00270	3.5530	.14900
#2	.13593	.16956	225.86	14.140	.08177	47.475	3.3388	.00291	3.5728	.14884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8481**	**.07114**	**.78491**	**.00592**	F **-.01525**	**4.1763**	**-.01699**	**.33747**	**.02126**	W **17.051**
Stddev	.0038	.00033	.00067	.00051	.00013	.0609	.00010	.00120	.00247	.019
%RSD	.04248	.46680	.08528	8.5990	.86120	1.4571	.59407	.35434	11.614	.11268
#1	8.8455	.07091	.78538	.00556	-.01535	4.2194	-.01706	.33663	.02300	17.064
#2	8.8508	.07138	.78444	.00628	-.01516	4.1333	-.01692	.33832	.01951	17.037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00884**	**-.03753**	**.53797**	**.46896**	**.21508**
Stddev	.00029	.01934	.00065	.00203	.00015
%RSD	3.2482	51.544	.12017	.43371	.07053
#1	.00864	-.05121	.53843	.47040	.21519
#2	.00905	-.02385	.53751	.46752	.21498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4752.4**	**66382.**	**4859.8**
Stddev	5.4	9.	29.2
%RSD	.11370	.01341	.60004
#1	4756.2	66376.	4880.4
#2	4748.5	66388.	4839.2

Sample Name: 280-27148-A-1-C MS Acquired: 4/2/2012 18:21:48 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04421**	**105.29**	**.93639**	**.87789**	**2.5358**	**.04612**	**1.8077**	**133.64**	**.09439**	**.51247**
Stddev	.00001	.27	.00399	.00031	.0024	.00005	.0051	.13	.00001	.00014
%RSD	.03235	.25224	.42582	.03522	.09379	.11761	.28221	.09643	.00901	.02688
#1	.04422	105.10	.93357	.87767	2.5341	.04616	1.8113	133.54	.09438	.51237
#2	.04420	105.47	.93921	.87810	2.5375	.04608	1.8041	133.73	.09439	.51257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30172**	**.40985**	**235.12**	**65.722**	**1.0270**	**102.38**	**4.0345**	**.86702**	**52.901**	**.60049**
Stddev	.00001	.00102	.12	.050	.0000	.08	.0147	.00049	.595	.00044
%RSD	.00252	.24782	.05105	.07605	.00227	.07830	.36524	.05598	1.1252	.07350
#1	.30172	.40913	235.03	65.687	1.0270	102.33	4.0241	.86736	52.480	.60080
#2	.30171	.41057	235.20	65.757	1.0270	102.44	4.0449	.86667	53.322	.60018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.014**	**.48745**	**.73712**	**.28298**	**1.8158**	**5.5514**	**1.5594**	**1.3452**	**.88424**	W **18.176**
Stddev	.009	.00181	.00017	.00017	.0012	.0220	.0094	.0022	.00426	.031
%RSD	.05128	.37149	.02369	.06166	.06470	.39575	.60168	.16167	.48211	.16821
#1	18.007	.48873	.73699	.28310	1.8150	5.5669	1.5660	1.3437	.88726	18.154
#2	18.020	.48617	.73724	.28285	1.8166	5.5358	1.5527	1.3467	.88123	18.198
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6811**	**1.7604**	**1.0051**	**.90032**	**.67253**
Stddev	.0011	.0264	.0007	.00039	.00156
%RSD	.06280	1.5007	.06914	.04295	.23133
#1	1.6818	1.7417	1.0056	.90060	.67363
#2	1.6803	1.7790	1.0046	.90005	.67143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4626.6**	**64024.**	**4778.6**
Stddev	.2	136.	6.0
%RSD	.00509	.21302	.12546
#1	4626.4	63927.	4782.8
#2	4626.8	64120.	4774.3

Sample Name: 280-27148-A-2-A Acquired: 4/2/2012 18:24:17 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00192**	**78.973**	**.02575**	**.01321**	**.62608**	**.00081**	**.00242**	**65.736**	**.00154**	**.08367**
Stddev	.00036	.097	.00103	.00006	.00141	.00004	.00078	.053	.00001	.00033
%RSD	18.839	.12224	3.9836	.44195	.22448	4.6153	32.193	.08128	.85997	.39607
#1	-.00166	79.041	.02502	.01325	.62708	.00083	.00187	65.774	.00153	.08390
#2	-.00218	78.905	.02647	.01316	.62509	.00078	.00297	65.699	.00155	.08343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10089**	**.16686**	**226.47**	**14.281**	**.07739**	**45.835**	**3.2760**	**.00291**	**3.9817**	**.11961**
Stddev	.00016	.00009	.14	.055	.00083	.077	.0062	.00017	.0005	.00016
%RSD	.15892	.05160	.06073	.38540	1.0679	.16696	.18945	5.8132	.01194	.13769
#1	.10100	.16692	226.57	14.320	.07798	45.780	3.2716	.00279	3.9814	.11949
#2	.10077	.16680	226.37	14.242	.07681	45.889	3.2804	.00303	3.9821	.11972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6690**	**.05108**	**.82565**	**.00719**	F **-.01431**	**3.4961**	**-.01409**	**.29400**	**.01798**	W **15.253**
Stddev	.0117	.00117	.00415	.00066	.00389	.0014	.00114	.00067	.00104	.043
%RSD	.12121	2.2989	.50228	9.1613	27.190	.04142	8.1114	.22708	5.7777	.28179
#1	9.6607	.05191	.82272	.00766	-.01156	3.4971	-.01490	.29447	.01872	15.222
#2	9.6773	.05025	.82858	.00673	-.01706	3.4951	-.01328	.29353	.01725	15.283
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01168**	**-.01354**	**.52758**	**.49949**	**.19860**
Stddev	.00032	.01562	.00090	.00269	.00032
%RSD	2.7421	115.35	.17044	.53811	.16130
#1	.01146	-.02459	.52694	.49759	.19883
#2	.01191	-.00250	.52821	.50139	.19838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4754.9**	**66205.**	**4825.0**
Stddev	10.1	158.	5.3
%RSD	.21205	.23796	.11005
#1	4747.8	66316.	4828.8
#2	4762.1	66093.	4821.2

Sample Name: CCVH-1338467 Acquired: 4/2/2012 18:26:47 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**49.372**	**-.00269**	**.00146**	**-.00044**	**.00002**	**.99159**	**.01424**	**-.00184**	**.00195**	**.00061**	**.00570**	**50.594**
Stddev	.00024	.123	.00312	.00070	.00003	.00013	.00181	.00542	.00003	.00022	.00030	.00018	.103
%RSD	38.532	.24945	116.14	47.857	6.3900	801.43	.18302	38.060	1.8786	11.483	49.664	3.1428	.20443
#1	.00045	49.285	-.00048	.00096	-.00046	.00011	.99031	.01807	-.00187	.00180	.00039	.00557	50.521
#2	.00078	49.459	-.00490	.00195	-.00042	-.00008	.99287	.01040	-.00182	.00211	.00082	.00583	50.667
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.05552**	**.00133**	**-.04681**	**-.00087**	**-.00131**	**254.95**	**.00201**	**.00693**	**.00087**	**5.3319**	**-.00693**	**-.00984**	**.00742**
Stddev	.04356	.00104	.00362	.00006	.00025	.82	.00050	.00205	.00078	.0112	.00114	.00294	.00057
%RSD	78.455	77.703	7.7368	7.0176	19.222	.32111	25.126	29.584	89.834	.21073	16.425	29.848	7.6375
#1	-.02472	.00060	-.04425	-.00092	-.00113	254.37	.00236	.00548	.00032	5.3399	-.00613	-.01192	.00782
#2	-.08632	.00206	-.04937	-.00083	-.00148	255.53	.00165	.00839	.00142	5.3240	-.00774	-.00776	.00702
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**.00045**	**4.8209**	**.00516**	**.00149**	**9.9419**	**.00746**	**.00249**	**-.01662**
Stddev	.00018	.00009	.0040	.00028	.00047	.0022	.00033	.00007	.00278
%RSD	6.5848	19.877	.08209	5.3854	31.577	.02254	4.3813	2.8193	16.707
#1	.00294	.00051	4.8237	.00536	.00116	9.9435	.00723	.00254	-.01858
#2	.00267	.00038	4.8181	.00496	.00183	9.9403	.00769	.00244	-.01466
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4315.2**	**59961.**	**4333.2**
Stddev	2.7	40.	12.8
%RSD	.06255	.06670	.29495
#1	4317.1	59990.	4342.2
#2	4313.3	59933.	4324.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 18:29:15 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49676**	F **.56922**	**1.0471**	**.52327**	**.49950**	**.50845**	**-.00147**	**5.0537**	**.51713**	**.50268**	**.49531**	**.52760**
Stddev	.00040	.00350	.0008	.00327	.00002	.00019	.00161	.0017	.00068	.00082	.00038	.00051
%RSD	.08124	.61408	.07805	.62406	.00375	.03816	109.58	.03268	.13195	.16356	.07706	.09742
#1	.49647	.56675	1.0465	.52096	.49949	.50858	-.00260	5.0549	.51665	.50209	.49558	.52796
#2	.49704	.57169	1.0477	.52558	.49952	.50831	-.00033	5.0525	.51762	.50326	.49504	.52723
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5302**	**52.590**	**1.0318**	**21.023**	**.50558**	**.50198**	**5.1825**	**.52106**	**1.0569**	**1.0334**	**.00834**	**1.0514**
Stddev	.0039	.013	.0018	.000	.00032	.00077	.0100	.00039	.0010	.0000	.00295	.0069
%RSD	.15431	.02508	.17494	.00095	.06262	.15340	.19334	.07503	.09829	.00134	35.353	.66018
#1	2.5274	52.599	1.0330	21.023	.50535	.50143	5.1896	.52134	1.0562	1.0334	.01042	1.0465
#2	2.5329	52.580	1.0305	21.023	.50580	.50252	5.1754	.52079	1.0576	1.0334	.00625	1.0563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0791**	**5.0867**	**.97086**	**.52231**	**-.00707**	**.48757**	**1.0562**	**-.00487**	**.47886**	**.50752**	**.50089**
Stddev	.0018	.0193	.00109	.00011	.00002	.00040	.0010	.00353	.00032	.00179	.00241
%RSD	.17066	.37958	.11272	.02022	.34583	.08140	.09599	72.461	.06674	.35233	.48145
#1	1.0804	5.0731	.97009	.52238	-.00705	.48785	1.0555	-.00238	.47863	.50625	.50260
#2	1.0778	5.1004	.97163	.52223	-.00709	.48729	1.0569	-.00737	.47908	.50878	.49919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4385.5**	**61299.**	**4338.2**
Stddev	3.6	16.	8.2
%RSD	.08118	.02656	.18853
#1	4388.1	61287.	4332.4
#2	4383.0	61310.	4344.0

Sample Name: CCB Acquired: 4/2/2012 18:31:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00188**	**-.00083**	**-.00048**	**.00059**	W **-.00068**	**.00013**	**-.00247**	**.00016**	**.00024**	**-.00022**
Stddev	.00004	.00021	.00009	.00063	.00027	.00001	.00151	.00638	.00021	.00010
%RSD	1.8668	25.359	18.254	105.79	39.395	6.2791	61.322	4054.8	86.108	46.668
#1	-.00186	-.00098	-.00042	.00104	-.00087	.00014	-.00354	.00467	.00009	-.00015
#2	-.00191	-.00069	-.00054	.00015	-.00049	.00013	-.00140	-.00435	.00039	-.00029
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00180				.00058					
Low Limit	-.00180				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	F **.00274**	**-.00123**	**-.06855**	**.00255**	F **-.02278**	F **-.00059**	**.00052**	F **.13555**	**.00007**
Stddev	.00006	.00015	.00178	.03196	.00238	.00016	.00001	.00029	.00673	.00009
%RSD	381.17	5.5900	144.33	46.616	93.096	.72374	1.6815	55.482	4.9616	127.83
#1	-.00006	.00285	-.00249	-.04596	.00087	-.02266	-.00060	.00031	.13079	.00001
#2	.00003	.00263	.00003	-.09115	.00423	-.02290	-.00058	.00072	.14031	.00013
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272				.02140	.00051		.10000	
Low Limit		-.00272				-.02140	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00283**	**.00104**	**.00162**	W **.00454**	W **-.00493**	**-.01217**	**-.00055**	**.00008**	**-.00709**	**-.00022**
Stddev	.00127	.00017	.00159	.00278	.00218	.00066	.00015	.00017	.00039	.00013
%RSD	44.923	16.414	98.103	61.268	44.183	5.4630	27.772	217.71	5.4428	59.034
#1	.00373	.00092	.00274	.00257	-.00339	-.01264	-.00065	-.00004	-.00682	-.00031
#2	.00193	.00116	.00050	.00650	-.00647	-.01170	-.00044	.00020	-.00736	-.00013
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**-.00468**	**-.00039**	**.00143**	**.00114**
Stddev	.00185	.01471	.00015	.00021	.00134
%RSD	174.36	314.10	38.896	14.360	117.41
#1	-.00237	-.01509	-.00028	.00129	.00019
#2	.00025	.00572	-.00049	.00158	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4375.2**	**62036.**	**4303.6**
Stddev	17.3	4.	11.5
%RSD	.39489	.00683	.26836
#1	4387.4	62039.	4311.8
#2	4363.0	62033.	4295.5

Sample Name: CCVL1341782 Acquired: 4/2/2012 18:34:07 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00869**	**.11884**	**.01333**	**.10383**	**.00947**	**.00104**	**.10637**	**.20611**	**.00536**	**.00979**	**.00998**
Stddev	.00042	.00050	.00163	.00046	.00055	.00003	.00071	.00169	.00013	.00010	.00012
%RSD	4.8336	.42264	12.260	.44405	5.8150	2.6499	.66671	.82154	2.4256	.97331	1.1887
#1	.00840	.11849	.01217	.10415	.00986	.00102	.10587	.20491	.00545	.00986	.01007
#2	.00899	.11920	.01448	.10350	.00909	.00106	.10687	.20731	.00526	.00973	.00990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01828**	**.10746**	**3.0283**	W **.01209**	**.19592**	**.00991**	**.01980**	**1.1285**	**.04256**	**3.0834**	**.01073**
Stddev	.00022	.00080	.0099	.00001	.00264	.00008	.00010	.0125	.00014	.0055	.00176
%RSD	1.2072	.74649	.32743	.07550	1.3459	.79108	.51744	1.1107	.32818	.17712	16.361
#1	.01844	.10689	3.0353	.01209	.19778	.00996	.01988	1.1197	.04266	3.0795	.00949
#2	.01813	.10803	3.0213	.01208	.19406	.00985	.01973	1.1374	.04246	3.0872	.01197
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	W **.01281**	F **.00894**	**.49137**	**.09905**	**.01043**	F **.00620**	**.01016**	**.01547**	W **.07720**	**.00909**
Stddev	.00429	.00056	.00219	.01106	.00029	.00003	.00163	.00009	.00096	.00904	.00024
%RSD	62.100	4.3554	24.460	2.2505	.29274	.27836	26.364	.85041	6.2083	11.703	2.6619
#1	.00388	.01320	.00739	.49918	.09885	.01041	.00735	.01010	.01479	.08359	.00892
#2	.00995	.01241	.01048	.48355	.09926	.01045	.00504	.01022	.01615	.07082	.00926
Check ?	None	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value		.01000	.01500				.01500			.06000	
Range		20.000%	-30.000%				-30.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02218**	**.01345**
Stddev	.00019	.00159
%RSD	.85481	11.849
#1	.02232	.01233
#2	.02205	.01458
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4430.8**	**62333.**	**4331.8**
Stddev	8.0	87.	30.3
%RSD	.18079	.13959	.69929
#1	4425.2	62394.	4353.2
#2	4436.5	62271.	4310.4

Sample Name: MB 280-113740/1-A Acquired: 4/2/2012 18:36:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00190**	**.00799**	**.00299**	**.00027**	**-.00042**	**.00005**	**-.00328**	**.09673**	**.00042**	**-.00041**
Stddev	.00002	.00110	.00162	.00025	.00006	.00002	.00275	.00146	.00011	.00005
%RSD	1.0400	13.819	54.247	91.486	15.255	44.674	83.868	1.5087	25.719	11.364
#1	-.00192	.00877	.00184	.00010	-.00047	.00003	-.00523	.09569	.00049	-.00045
#2	-.00189	.00721	.00414	.00045	-.00038	.00007	-.00134	.09776	.00034	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00318**	**.02165**	**-.06330**	**.00182**	**-.00763**	**-.00024**	**-.00014**	**.29828**	**.00027**
Stddev	.00004	.00036	.00076	.01774	.00033	.00055	.00006	.00004	.00662	.00006
%RSD	48.883	11.412	3.5235	28.018	18.352	7.2211	26.344	27.918	2.2202	23.928
#1	.00011	.00344	.02219	-.07584	.00159	-.00802	-.00020	-.00011	.29360	.00023
#2	.00005	.00292	.02111	-.05076	.00206	-.00724	-.00029	-.00016	.30296	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00629**	**.00042**	**.03295**	**-.00027**	**-.00011**	**.02285**	**.00921**	**.00028**	W **-.00769**	**.00043**
Stddev	.00015	.00010	.00308	.00100	.00103	.01622	.00075	.00019	.00067	.00026
%RSD	2.3421	22.983	9.3340	363.91	917.68	71.001	8.1574	66.453	8.7718	60.793
#1	.00619	.00035	.03077	.00043	.00062	.03432	.00974	.00015	-.00722	.00025
#2	.00640	.00048	.03512	-.00098	-.00084	.01138	.00868	.00042	-.00817	.00062
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500								.00500	
Low Limit	-.00500								-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**-.00863**	**-.00102**	**.00425**	**-.00080**
Stddev	.00107	.01099	.00042	.00022	.00186
%RSD	55.039	127.24	40.974	5.1327	231.75
#1	-.00118	-.00087	-.00072	.00441	-.00212
#2	-.00269	-.01640	-.00131	.00410	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4485.4**	**64056.**	**4446.2**
Stddev	.1	54.	18.1
%RSD	.00312	.08456	.40614
#1	4485.3	64018.	4433.4
#2	4485.5	64094.	4459.0

Sample Name: LCS 280-113740/2-A Acquired: 4/2/2012 18:39:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04953**	**2.1695**	**1.0445**	**1.0156**	**2.0256**	**.05189**	**2.0512**	**50.523**	**.10618**	**.49597**
Stddev	.00003	.0025	.0008	.0008	.0007	.00005	.0039	.042	.00023	.00031
%RSD	.05892	.11729	.07826	.07882	.03582	.09570	.19126	.08322	.21541	.06344
#1	.04951	2.1677	1.0440	1.0161	2.0262	.05193	2.0540	50.552	.10634	.49620
#2	.04955	2.1713	1.0451	1.0150	2.0251	.05186	2.0484	50.493	.10602	.49575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19999**	**.27012**	**1.0336**	**53.733**	**1.0553**	**51.045**	**.50943**	**1.0196**	**51.993**	**.51787**
Stddev	.00013	.00077	.0008	.004	.0007	.049	.00026	.0002	.038	.00043
%RSD	.06713	.28496	.07752	.00743	.06452	.09527	.05085	.02263	.07250	.08381
#1	.20008	.26958	1.0342	53.730	1.0548	51.011	.50925	1.0194	51.966	.51817
#2	.19989	.27067	1.0330	53.736	1.0558	51.080	.50962	1.0198	52.019	.51756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.772**	**.50905**	**.03299**	**.51923**	**2.0962**	**2.8265**	**1.9252**	**1.0669**	**.96859**	**.99140**
Stddev	.013	.00190	.00294	.00319	.0004	.0181	.0010	.0006	.00571	.00060
%RSD	.12442	.37230	8.9202	.61381	.02037	.63928	.05456	.05554	.58959	.06070
#1	10.782	.50771	.03091	.52149	2.0965	2.8393	1.9259	1.0673	.96456	.99097
#2	10.763	.51039	.03507	.51698	2.0959	2.8137	1.9244	1.0664	.97263	.99182
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0314**	**2.0813**	**.49069**	**.49681**	**.50083**
Stddev	.0055	.0259	.00149	.00009	.00228
%RSD	.26910	1.2452	.30326	.01733	.45470
#1	2.0353	2.0996	.48964	.49687	.49922
#2	2.0276	2.0630	.49174	.49675	.50244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4265.9**	**60108.**	**4338.8**
Stddev	10.3	123.	6.1
%RSD	.24186	.20543	.14059
#1	4273.2	60020.	4343.1
#2	4258.6	60195.	4334.5

Sample Name: 280-27146-C-1-A Acquired: 4/2/2012 18:41:31 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**82.228**	**.02791**	**.00734**	**.58872**	**.00072**	**.00156**	**53.875**	**.00156**	**.09468**
Stddev	.00038	.061	.00532	.00028	.00010	.00000	.00268	.047	.00007	.00090
%RSD	19.249	.07453	19.071	3.7613	.01634	.56797	171.54	.08790	4.4956	.95188
#1	-.00223	82.271	.03167	.00714	.58865	.00072	.00346	53.908	.00161	.09405
#2	-.00169	82.184	.02415	.00753	.58879	.00071	-.00033	53.842	.00151	.09532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13204**	**.26109**	**256.31**	**10.682**	**.07690**	**51.767**	**3.3363**	**.00295**	**3.4362**	**.14148**
Stddev	.00011	.00069	.22	.013	.00215	.035	.0040	.00022	.0271	.00037
%RSD	.08181	.26417	.08580	.11727	2.7983	.06844	.12075	7.3697	.78726	.26466
#1	.13196	.26060	256.46	10.673	.07842	51.742	3.3334	.00280	3.4553	.14121
#2	.13212	.26158	256.15	10.691	.07538	51.792	3.3391	.00310	3.4170	.14174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.009**	**.04181**	**.61548**	**.00695**	F **-.01173**	**3.9663**	**-.01550**	**.35590**	**.01259**	W **16.321**
Stddev	.005	.00031	.00407	.00176	.00022	.0518	.00067	.00009	.00107	.016
%RSD	.04797	.74971	.66150	25.367	1.8669	1.3050	4.3419	.02492	8.5074	.09755
#1	11.006	.04159	.61836	.00571	-.01189	3.9297	-.01598	.35596	.01183	16.333
#2	11.013	.04203	.61260	.00820	-.01158	4.0029	-.01503	.35583	.01334	16.310
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01255**	**-.02100**	**.56962**	**.45390**	**.20911**
Stddev	.00061	.00857	.00034	.00124	.00135
%RSD	4.8414	40.814	.05946	.27295	.64550
#1	.01212	-.01494	.56986	.45303	.20816
#2	.01298	-.02706	.56938	.45478	.21006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4874.6**	**67728.**	**4925.0**
Stddev	6.0	269.	9.1
%RSD	.12284	.39766	.18494
#1	4870.3	67537.	4931.4
#2	4878.8	67918.	4918.5

Sample Name: sd 280-27146-C-1-A@5 Acquired: 4/2/2012 18:44:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00169**	**18.677**	**.00894**	**.00100**	**.13306**	**.00017**	**-.00459**	**12.187**	**.00042**	**.02266**
Stddev	.00008	.084	.00105	.00014	.00032	.00017	.00001	.027	.00006	.00001
%RSD	4.9432	.45076	11.732	14.290	.24390	95.244	.17191	.22494	13.712	.03081
#1	-.00163	18.737	.00820	.00110	.13329	.00029	-.00458	12.206	.00038	.02266
#2	-.00175	18.618	.00968	.00090	.13283	.00006	-.00459	12.168	.00046	.02267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03045**	**.06174**	**58.817**	**2.3186**	**.01874**	**11.971**	**.76309**	**.00029**	**.81018**	**.03298**
Stddev	.00015	.00009	.198	.0063	.00075	.004	.00010	.00033	.01801	.00032
%RSD	.48146	.14587	.33701	.27226	3.9855	.02971	.01344	111.00	2.2229	.95552
#1	.03056	.06181	58.957	2.3141	.01927	11.969	.76316	.00006	.82292	.03276
#2	.03035	.06168	58.677	2.3231	.01822	11.974	.76301	.00053	.79745	.03320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5072**	**.00994**	**.14042**	**.00036**	W **-.00782**	**.84822**	**-.00408**	**.08120**	**-.00150**	**3.6875**
Stddev	.0037	.00064	.00085	.00046	.00117	.00642	.00039	.00003	.00224	.0030
%RSD	.14601	6.4217	.60359	125.14	14.965	.75740	9.4959	.03396	149.15	.08251
#1	2.5046	.01039	.14102	.00069	-.00864	.85276	-.00435	.08122	-.00308	3.6853
#2	2.5098	.00949	.13982	.00004	-.00699	.84367	-.00381	.08118	.00008	3.6896
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**-.01667**	**.12774**	**.10614**	**.04875**
Stddev	.00038	.02806	.00115	.00057	.00009
%RSD	26.005	168.33	.90144	.53297	.18792
#1	.00120	.00317	.12855	.10574	.04868
#2	.00174	-.03651	.12692	.10654	.04881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4541.4**	**63585.**	**4484.4**
Stddev	.5	150.	2.4
%RSD	.01092	.23563	.05415
#1	4541.7	63479.	4482.7
#2	4541.0	63691.	4486.1

Sample Name: 280-27146-C-1-B DU Acquired: 4/2/2012 18:46:30 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**81.229**	**.02040**	**.00520**	**.58345**	**.00089**	**.00120**	**61.864**	**.00159**	**.08903**
Stddev	.00050	.067	.00404	.00126	.00094	.00004	.00091	.160	.00009	.00005
%RSD	36.493	.08196	19.827	24.187	.16092	4.2614	76.260	.25830	5.4366	.05746
#1	-.00102	81.182	.02326	.00431	.58278	.00086	.00185	61.751	.00166	.08907
#2	-.00173	81.276	.01754	.00609	.58411	.00092	.00055	61.977	.00153	.08900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10806**	**.22561**	**243.18**	**11.318**	**.07444**	**46.915**	**3.2082**	**.00185**	**2.6288**	**.12103**
Stddev	.00018	.00151	.88	.051	.00073	.118	.0005	.00009	.0065	.00002
%RSD	.16414	.67140	.36309	.44820	.98087	.25255	.01554	4.5993	.24718	.01980
#1	.10793	.22668	242.56	11.282	.07393	46.999	3.2078	.00179	2.6242	.12101
#2	.10818	.22454	243.81	11.354	.07496	46.831	3.2085	.00191	2.6334	.12104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.630**	**.03897**	**.56436**	**.00256**	F **-.01647**	**3.0484**	**-.01757**	**.28438**	**.01380**	W **17.631**
Stddev	.007	.00067	.01040	.00020	.00027	.0374	.00124	.00075	.00037	.201
%RSD	.06973	1.7275	1.8425	7.9544	1.6556	1.2285	7.0409	.26211	2.6612	1.1396
#1	10.635	.03850	.55700	.00270	-.01628	3.0219	-.01669	.28386	.01406	17.489
#2	10.625	.03945	.57171	.00241	-.01666	3.0749	-.01844	.28491	.01354	17.774
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00858**	**-.03299**	**.56846**	**.44387**	**.24053**
Stddev	.00022	.01586	.00005	.00079	.00153
%RSD	2.5067	48.094	.00925	.17801	.63446
#1	.00843	-.04420	.56842	.44331	.24161
#2	.00873	-.02177	.56850	.44443	.23945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4896.7**	**68086.**	**4958.3**
Stddev	7.1	306.	7.5
%RSD	.14573	.44989	.15161
#1	4901.7	68303.	4953.0
#2	4891.6	67870.	4963.6

Sample Name: 280-27146-C-1-C MS Acquired: 4/2/2012 18:49:02 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04203**	**89.093**	**.89405**	**.83454**	**2.3557**	**.04404**	**1.7406**	**107.11**	**.09135**	**.51113**
Stddev	.00004	.264	.00765	.00173	.0055	.00025	.0013	.26	.00023	.00060
%RSD	.10669	.29611	.85538	.20785	.23481	.57839	.07363	.24649	.24855	.11812
#1	.04200	88.906	.88864	.83331	2.3518	.04386	1.7415	106.92	.09119	.51071
#2	.04206	89.279	.89946	.83577	2.3596	.04422	1.7397	107.30	.09151	.51156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30604**	**.46228**	**263.96**	**58.634**	**.97850**	**98.384**	**3.8843**	**.83594**	**49.733**	**.55878**
Stddev	.00011	.00026	.74	.149	.00228	.084	.0019	.00002	.281	.00026
%RSD	.03654	.05675	.28046	.25353	.23349	.08570	.04919	.00266	.56545	.04624
#1	.30596	.46209	263.43	58.529	.97688	98.324	3.8829	.83595	49.534	.55896
#2	.30612	.46246	264.48	58.739	.98011	98.443	3.8856	.83592	49.931	.55859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.758**	**.45360**	**.78785**	**.28145**	**1.7342**	**6.7223**	**1.4891**	**1.2575**	**.84501**	W **18.976**
Stddev	.041	.00113	.00640	.00247	.0034	.0380	.0012	.0032	.00282	.023
%RSD	.19747	.24835	.81280	.87808	.19320	.56537	.08244	.25316	.33332	.12010
#1	20.729	.45440	.79237	.27970	1.7366	6.6955	1.4900	1.2552	.84302	18.992
#2	20.787	.45281	.78332	.28320	1.7318	6.7492	1.4882	1.2597	.84701	18.960
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6257**	**1.7140**	**1.0787**	**.87471**	**.67998**
Stddev	.0022	.0070	.0019	.00098	.00285
%RSD	.13819	.41024	.17748	.11167	.41896
#1	1.6272	1.7190	1.0773	.87540	.67797
#2	1.6241	1.7090	1.0801	.87402	.68199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4849.7**	**67599.**	**4996.3**
Stddev	7.6	101.	14.5
%RSD	.15680	.14925	.28987
#1	4855.1	67528.	5006.5
#2	4844.3	67670.	4986.0

Sample Name: 280-27146-B-2-A Acquired: 4/2/2012 18:51:30 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**116.42**	**.02368**	**.02586**	**.93049**	**.00209**	**.00457**	**40.611**	**.00183**	**.09304**
Stddev	.00013	.34	.00127	.00013	.00167	.00005	.00005	.117	.00014	.00024
%RSD	8.5785	.29485	5.3843	.49273	.17960	2.5086	.98687	.28824	7.8145	.25261
#1	-.00145	116.17	.02277	.02595	.92931	.00206	.00461	40.529	.00193	.09287
#2	-.00164	116.66	.02458	.02577	.93167	.00213	.00454	40.694	.00173	.09321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15244**	**.18170**	**253.69**	**26.515**	**.10127**	**54.424**	**4.2658**	**.00225**	**2.4611**	**.14817**
Stddev	.00047	.00031	.61	.009	.00037	.006	.0050	.00027	.0120	.00029
%RSD	.30672	.17192	.23860	.03204	.36729	.01017	.11678	11.789	.48890	.19506
#1	.15277	.18147	253.26	26.521	.10153	54.420	4.2622	.00207	2.4696	.14838
#2	.15211	.18192	254.12	26.509	.10101	54.428	4.2693	.00244	2.4526	.14797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.3593**	**.05589**	**.34334**	**.00583**	W **-.00869**	**4.4817**	**-.01182**	**.30057**	**.02311**	W **14.302**
Stddev	.0099	.00026	.00356	.00253	.00328	.0008	.00031	.00111	.00038	.078
%RSD	.13481	.47180	1.0378	43.414	37.714	.01886	2.5888	.37084	1.6271	.54590
#1	7.3663	.05570	.34082	.00404	-.00637	4.4811	-.01204	.29979	.02338	14.247
#2	7.3523	.05607	.34586	.00762	-.01101	4.4823	-.01160	.30136	.02284	14.357
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00896**	**-.04822**	**.51042**	**.49404**	**.23698**
Stddev	.00127	.01185	.00068	.00100	.00338
%RSD	14.192	24.573	.13283	.20185	1.4273
#1	.00986	-.05660	.50994	.49333	.23458
#2	.00806	-.03984	.51090	.49474	.23937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4759.7**	**65832.**	**4781.0**
Stddev	1.2	221.	3.4
%RSD	.02426	.33574	.07140
#1	4758.9	65988.	4783.4
#2	4760.5	65675.	4778.6

Sample Name: 280-27146-B-3-A Acquired: 4/2/2012 18:54:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00175**	**61.569**	**.00995**	**.00496**	**.48722**	**.00001**	**.00007**	**45.181**	**.00155**	**.07197**
Stddev	.00005	.024	.00312	.00085	.00113	.00014	.00056	.047	.00023	.00041
%RSD	2.6946	.03952	31.316	17.180	.23189	1485.8	765.74	.10302	14.503	.56669
#1	-.00178	61.587	.01216	.00556	.48802	.00011	.00047	45.214	.00171	.07226
#2	-.00172	61.552	.00775	.00435	.48642	-.00009	-.00032	45.148	.00140	.07168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06486**	**.16663**	**184.25**	**6.7676**	**.06693**	**37.365**	**2.4304**	**.00128**	**3.5441**	**.08415**
Stddev	.00016	.00001	.19	.0192	.00045	.047	.0022	.00001	.0026	.00002
%RSD	.24912	.00811	.10220	.28414	.67422	.12463	.08845	.76972	.07301	.02302
#1	.06475	.16664	184.38	6.7812	.06725	37.332	2.4289	.00127	3.5459	.08413
#2	.06498	.16662	184.12	6.7540	.06661	37.398	2.4319	.00128	3.5422	.08416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.0444**	**.02534**	**.49314**	**.00352**	F **-.01131**	**2.8402**	**-.01466**	**.23884**	**.00581**	W **15.010**
Stddev	.0113	.00112	.00103	.00208	.00387	.1081	.00021	.00045	.00071	.058
%RSD	.14035	4.4095	.20902	59.156	34.185	3.8072	1.4411	.18897	12.187	.38922
#1	8.0524	.02613	.49241	.00499	-.00858	2.9166	-.01451	.23853	.00531	14.968
#2	8.0364	.02455	.49387	.00205	-.01404	2.7637	-.01481	.23916	.00631	15.051
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01012**	**-.04813**	**.45774**	**.38311**	**.17838**
Stddev	.00155	.03684	.00085	.00001	.00010
%RSD	15.301	76.548	.18530	.00377	.05610
#1	.00902	-.07418	.45714	.38312	.17845
#2	.01121	-.02208	.45834	.38309	.17831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4792.8**	**66555.**	**4805.2**
Stddev	10.4	57.	17.6
%RSD	.21680	.08618	.36652
#1	4785.4	66596.	4792.8
#2	4800.1	66514.	4817.7

Sample Name: 280-27146-B-4-A Acquired: 4/2/2012 18:56:38 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**65.773**	**.03571**	**.07448**	**.79915**	**.00006**	**.01811**	**53.704**	**.00333**	**.08770**
Stddev	.00113	.157	.00002	.00020	.00242	.00004	.00579	.121	.00005	.00003
%RSD	46.010	.23795	.06199	.27333	.30302	63.933	31.957	.22467	1.4472	.03854
#1	.00165	65.884	.03569	.07434	.80087	.00003	.01401	53.789	.00336	.08773
#2	.00325	65.663	.03573	.07462	.79744	.00008	.02220	53.618	.00329	.08768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11834**	W **42.833**	**202.69**	**11.586**	**.05133**	**38.408**	**2.7402**	**.00519**	**4.3910**	**2.3566**
Stddev	.00024	.431	.55	.105	.00056	.043	.0004	.00001	.0003	.0016
%RSD	.20195	1.0072	.27231	.90336	1.1002	.11142	.01346	.13341	.00727	.06884
#1	.11851	42.528	203.08	11.660	.05093	38.439	2.7404	.00519	4.3908	2.3555
#2	.11817	43.138	202.30	11.512	.05173	38.378	2.7399	.00518	4.3913	2.3578
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.01000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9941**	**1.3526**	**2.1331**	**.01727**	W **-.00891**	**4.3516**	**.04314**	**.29345**	**.01225**	W **15.395**
Stddev	.0006	.0021	.0017	.00186	.00233	.0712	.00077	.00095	.00051	.070
%RSD	.00726	.15197	.07777	10.792	26.180	1.6364	1.7756	.32465	4.1705	.45566
#1	7.9945	1.3540	2.1319	.01859	-.01056	4.4019	.04260	.29413	.01189	15.345
#2	7.9937	1.3511	2.1343	.01595	-.00726	4.3012	.04368	.29278	.01261	15.444
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00857**	**-.04677**	**.51568**	**2.7984**	**.18035**
Stddev	.00094	.00008	.00057	.0022	.00118
%RSD	10.974	.17732	.11125	.08035	.65244
#1	.00791	-.04683	.51609	2.8000	.18118
#2	.00924	-.04671	.51527	2.7968	.17952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4678.3**	**65490.**	**4755.4**
Stddev	10.9	55.	13.6
%RSD	.23358	.08384	.28628
#1	4686.1	65451.	4745.7
#2	4670.6	65529.	4765.0

Sample Name: CCVH-1338467 Acquired: 4/2/2012 18:59:14 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**49.568**	**-.00123**	**.00036**	**-.00035**	**.00005**	**.99213**	**.00853**	**-.00173**	**.00194**	**.00048**	**.00671**	**50.836**
Stddev	.00060	.007	.00144	.00013	.00025	.00000	.00153	.00008	.00005	.00023	.00002	.00016	.380
%RSD	110.61	.01317	117.05	35.922	71.174	.58410	.15429	.90137	3.1811	11.712	3.1938	2.3606	.74726
#1	.00096	49.573	-.00225	.00045	-.00017	.00005	.99104	.00858	-.00169	.00178	.00047	.00682	50.568
#2	.00012	49.564	-.00021	.00027	-.00052	.00005	.99321	.00847	-.00176	.00210	.00049	.00660	51.105
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06868**	**.00157**	**-.05507**	**-.00099**	**-.00115**	**256.21**	**.00183**	**.00690**	**.00215**	**5.3485**	**-.00611**	**-.01085**	**-.00171**
Stddev	.00836	.00149	.00153	.00000	.00014	.54	.00053	.00119	.00140	.0040	.00169	.00620	.00539
%RSD	12.173	94.761	2.7813	.02564	12.068	.21227	29.154	17.222	64.952	.07453	27.570	57.169	314.79
#1	-.07459	.00263	-.05616	-.00099	-.00124	256.60	.00145	.00774	.00314	5.3457	-.00492	-.01523	.00210
#2	-.06277	.00052	-.05399	-.00099	-.00105	255.83	.00221	.00606	.00116	5.3513	-.00731	-.00646	-.00552
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00300**	**.00041**	**4.8290**	**.00540**	**.00341**	**9.9994**	**.00793**	**.00285**	**-.01386**
Stddev	.00106	.00002	.0056	.00044	.00112	.0307	.00057	.00040	.00036
%RSD	35.343	5.2457	.11647	8.1030	32.760	.30678	7.1752	14.097	2.5850
#1	.00375	.00040	4.8250	.00509	.00262	10.021	.00833	.00314	-.01361
#2	.00225	.00043	4.8330	.00571	.00420	9.9777	.00753	.00257	-.01411
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4350.8**	**60262.**	**4331.5**
Stddev	1.9	117.	11.7
%RSD	.04443	.19366	.27122
#1	4349.4	60180.	4339.8
#2	4352.1	60345.	4323.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 19:01:40 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49494**	F **.57187**	**1.0512**	**.52488**	**.49994**	**.51127**	**.00003**	**5.0729**	**.51850**	**.50425**	**.49557**	**.52958**
Stddev	.00132	.00219	.0040	.00020	.00083	.00077	.00174	.0059	.00050	.00096	.00031	.00013
%RSD	.26712	.38215	.38560	.03737	.16536	.15121	6467.1	.11560	.09669	.19054	.06190	.02385
#1	.49587	.57033	1.0484	.52474	.49935	.51073	-.00120	5.0687	.51886	.50493	.49578	.52949
#2	.49400	.57342	1.0541	.52502	.50052	.51182	.00126	5.0770	.51815	.50357	.49535	.52967
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5365**	**52.968**	**1.0408**	**21.132**	**.50572**	**.50356**	**5.0659**	**.52300**	**1.0561**	**1.0349**	**.00223**	**1.0537**
Stddev	.0014	.068	.0018	.012	.00025	.00136	.0156	.00015	.0025	.0000	.00220	.0036
%RSD	.05488	.12897	.17349	.05844	.05037	.26957	.30804	.02907	.23518	.00354	98.505	.33739
#1	2.5356	52.919	1.0395	21.140	.50590	.50452	5.0549	.52310	1.0578	1.0349	.00068	1.0562
#2	2.5375	53.016	1.0421	21.123	.50554	.50260	5.0769	.52289	1.0543	1.0350	.00378	1.0512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0857**	**5.1243**	**.97193**	**.52633**	**-.00772**	**.48664**	**1.0566**	**-.01501**	**.47798**	**.50819**	**.50436**
Stddev	.0013	.0066	.00086	.00094	.00111	.00091	.0034	.00925	.00120	.00030	.00084
%RSD	.11682	.12859	.08834	.17839	14.351	.18669	.31752	61.587	.25047	.05918	.16645
#1	1.0866	5.1196	.97254	.52566	-.00694	.48728	1.0589	-.02155	.47714	.50841	.50495
#2	1.0848	5.1289	.97132	.52699	-.00850	.48600	1.0542	-.00847	.47883	.50798	.50376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4420.4**	**61602.**	**4320.5**
Stddev	7.3	5.	11.9
%RSD	.16597	.00815	.27508
#1	4415.2	61598.	4328.9
#2	4425.6	61605.	4312.1

Sample Name: CCB Acquired: 4/2/2012 19:04:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00157**	**-.00029**	**.00155**	**-.00063**	**-.00051**	**.00009**	**-.00199**	**-.00003**	**.00010**	**-.00021**	**.00000**
Stddev	.00046	.00051	.00010	.00030	.00044	.00003	.00077	.00168	.00011	.00017	.0001
%RSD	29.090	173.24	6.2614	46.831	86.122	28.726	38.753	5642.0	111.55	83.061	10896.
#1	-.00189	.00007	.00148	-.00042	-.00020	.00011	-.00253	.00116	.00002	-.00008	-.00007
#2	-.00125	-.00066	.00162	-.00084	-.00082	.00007	-.00144	-.00122	.00018	-.00033	.00007
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00237**	**-.00249**	**-.08180**	W **.00295**	W **-.02131**	F **-.00058**	**.00079**	**.00082**	**.00000**	**.00136**	**-.00109**
Stddev	.00003	.00190	.01847	.00012	.00233	.00004	.00033	.00603	.00033	.00464	.00097
%RSD	1.1124	76.030	22.585	4.0987	10.947	6.3724	41.966	736.54	12507.	339.96	89.152
#1	.00235	-.00383	-.09486	.00286	-.01966	-.00055	.00055	.00508	-.00023	-.00192	-.00178
#2	.00239	-.00115	-.06874	.00303	-.02296	-.00061	.00102	-.00344	.00024	.00464	-.00040
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136			.00261	.01070	.00051					
Low Limit	-.00136			-.00261	-.01070	-.00051					

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00193**	**.00237**	**-.00248**	**.00643**	**.00041**	**.00012**	**-.00764**	**-.00019**	**.00055**	**-.02634**	**-.00035**
Stddev	.00088	.00211	.00262	.01079	.00012	.00006	.00011	.00022	.00187	.00626	.00027
%RSD	45.687	88.910	105.69	167.79	30.275	51.433	1.4777	113.86	339.19	23.760	76.044
#1	-.00256	.00088	-.00433	-.00120	.00032	.00008	-.00772	-.00035	-.00077	-.02191	-.00016
#2	-.00131	.00387	-.00063	.01406	.00050	.00017	-.00756	-.00004	.00187	-.03076	-.00054
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00154**	**-.00149**
Stddev	.00008	.00059
%RSD	5.4242	39.453
#1	.00148	-.00191
#2	.00160	-.00108
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4403.5**	**62450.**	**4291.7**
Stddev	5.2	78.	37.0
%RSD	.11774	.12484	.86129
#1	4407.2	62395.	4317.8
#2	4399.9	62505.	4265.5

Sample Name: CCVL1341782 Acquired: 4/2/2012 19:06:33 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00876**	**.11894**	**.01585**	**.10342**	**.00930**	**.00118**	**.10998**	**.20525**	**.00553**	**.01017**	**.00992**
Stddev	.00069	.00214	.00246	.00038	.00013	.00004	.00061	.00043	.00006	.00012	.00008
%RSD	7.8669	1.7975	15.541	.36975	1.4481	3.2753	.55018	.20935	1.1686	1.1760	.76553
#1	.00828	.11743	.01759	.10314	.00920	.00115	.11041	.20495	.00558	.01026	.00987
#2	.00925	.12045	.01411	.10369	.00939	.00120	.10955	.20555	.00548	.01009	.00997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01869**	**.09927**	**3.1319**	**.01039**	**.19562**	**.01003**	**.02015**	**1.0242**	**.04293**	**3.1132**	**.00913**
Stddev	.00003	.00088	.0150	.00222	.00236	.00004	.00017	.0191	.00038	.0035	.00057
%RSD	.15697	.88229	.47820	21.384	1.2060	.37315	.83909	1.8660	.88587	.11269	6.2626
#1	.01871	.09865	3.1425	.00882	.19729	.01006	.02003	1.0377	.04319	3.1108	.00954
#2	.01867	.09989	3.1214	.01196	.19396	.01001	.02027	1.0106	.04266	3.1157	.00873
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00294**	**.01035**	W **.01122**	**.51053**	**.09991**	**.01082**	F **.00603**	**.00951**	**.01572**	**.05168**	**.00862**
Stddev	.00222	.00005	.00045	.01066	.00031	.00008	.00199	.00024	.00074	.04151	.00004
%RSD	75.433	.45226	3.9995	2.0887	.30797	.73570	33.026	2.4879	4.7050	80.321	.44316
#1	.00137	.01039	.01154	.50299	.09969	.01077	.00462	.00968	.01624	.08104	.00865
#2	.00451	.01032	.01090	.51807	.10012	.01088	.00744	.00934	.01519	.02233	.00859
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02275**	**.01615**
Stddev	.00004	.00072
%RSD	.15916	4.4313
#1	.02278	.01565
#2	.02273	.01666
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4438.3**	**62883.**	**4327.9**
Stddev	2.7	78.	18.1
%RSD	.06031	.12398	.41815
#1	4440.2	62828.	4315.1
#2	4436.4	62938.	4340.7

Sample Name: 280-27146-B-5-A Acquired: 4/2/2012 19:09:04 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00198**	**51.477**	**.02055**	**.03989**	**.50669**	**-.00050**	**-.00230**	**77.052**	**.00151**	**.09424**
Stddev	.00046	.100	.00116	.00009	.00115	.00001	.00032	.203	.00010	.00063
%RSD	23.042	.19350	5.6280	.22598	.22742	1.2656	13.758	.26354	6.4350	.66744
#1	-.00230	51.407	.02137	.03995	.50587	-.00051	-.00208	76.909	.00158	.09380
#2	-.00166	51.547	.01973	.03982	.50750	-.00050	-.00253	77.196	.00144	.09469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07902**	**.22990**	**267.06**	**9.2700**	**.05244**	**44.271**	**3.1291**	**.00324**	**8.5434**	**.11180**
Stddev	.00009	.00075	.78	.0424	.00105	.009	.0001	.00025	.0126	.00108
%RSD	.10810	.32812	.29360	.45773	1.9952	.01953	.00148	7.7915	.14728	.96242
#1	.07896	.23043	266.50	9.2400	.05170	44.277	3.1291	.00306	8.5345	.11104
#2	.07909	.22937	267.61	9.3000	.05318	44.265	3.1292	.00342	8.5523	.11256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.772**	**.09013**	**3.6537**	**.00561**	F **-.01290**	**2.5817**	**-.02078**	**.34097**	**.00627**	W **19.521**
Stddev	.017	.00146	.0035	.00249	.00356	.0999	.00006	.00101	.00017	.042
%RSD	.13408	1.6241	.09596	44.314	27.636	3.8699	.28904	.29482	2.6977	.21508
#1	12.760	.08909	3.6512	.00385	-.01542	2.6523	-.02082	.34026	.00615	19.551
#2	12.785	.09116	3.6562	.00737	-.01038	2.5110	-.02074	.34168	.00639	19.491
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01165**	**-.03666**	**.62480**	**.52186**	**.22909**
Stddev	.00026	.02359	.00001	.00063	.00013
%RSD	2.2243	64.343	.00088	.12025	.05865
#1	.01183	-.01998	.62479	.52142	.22900
#2	.01147	-.05333	.62480	.52231	.22919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4927.0**	**68853.**	**4974.9**
Stddev	.3	95.	9.3
%RSD	.00602	.13824	.18749
#1	4927.2	68786.	4981.5
#2	4926.8	68920.	4968.3

Sample Name: 280-27146-B-6-A Acquired: 4/2/2012 19:11:33 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00235**	**54.237**	**.02009**	**.00162**	**.59355**	**-.00073**	**-.00404**	**70.637**	**.00124**	**.07988**
Stddev	.00051	.075	.00021	.00039	.00165	.00008	.00156	.151	.00014	.00028
%RSD	21.802	.13757	1.0555	24.162	.27786	10.522	38.614	.21357	11.249	.34618
#1	-.00199	54.290	.01994	.00135	.59472	-.00078	-.00514	70.744	.00115	.08008
#2	-.00271	54.184	.02024	.00190	.59238	-.00067	-.00293	70.530	.00134	.07969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05772**	**.16721**	**222.43**	**6.8168**	**.05549**	**37.789**	**2.9232**	**.00148**	**2.9033**	**.07322**
Stddev	.00009	.00001	.69	.0270	.00062	.081	.0041	.00001	.0055	.00015
%RSD	.15078	.00524	.30861	.39572	1.1162	.21489	.13907	.66942	.18995	.20916
#1	.05766	.16722	222.91	6.7977	.05505	37.731	2.9203	.00148	2.8994	.07311
#2	.05778	.16721	221.94	6.8359	.05593	37.846	2.9261	.00147	2.9072	.07333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3884**	**.02712**	**1.0214**	**.00706**	W **-.00694**	**2.2333**	**-.02193**	**.24742**	**.00790**	W **19.366**
Stddev	.0040	.00123	.0066	.00002	.00363	.0163	.00022	.00060	.00102	.087
%RSD	.04265	4.5519	.64789	.30718	52.343	.73175	1.0174	.24255	12.932	.44761
#1	9.3912	.02625	1.0167	.00708	-.00437	2.2448	-.02177	.24785	.00718	19.305
#2	9.3856	.02800	1.0261	.00705	-.00951	2.2217	-.02209	.24700	.00863	19.427
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01169**	**-.03256**	**.51208**	**.38915**	**.25752**
Stddev	.00065	.00006	.00068	.00068	.00319
%RSD	5.5609	.16964	.13354	.17383	1.2390
#1	.01123	-.03252	.51159	.38867	.25978
#2	.01215	-.03260	.51256	.38962	.25527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4889.7**	**68063.**	**4881.2**
Stddev	6.5	32.	13.4
%RSD	.13246	.04752	.27495
#1	4885.1	68086.	4871.7
#2	4894.3	68040.	4890.7

Sample Name: 280-27146-B-7-A Acquired: 4/2/2012 19:14:02 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00168**	**86.851**	**.02348**	**.00824**	**.66976**	**.00123**	**-.00189**	**43.222**	**.00179**	**.09253**
Stddev	.00011	.046	.00102	.00019	.00056	.00004	.00138	.021	.00012	.00059
%RSD	6.2752	.05278	4.3622	2.3133	.08318	3.5151	73.019	.04842	6.5967	.63835
#1	-.00161	86.819	.02420	.00838	.66937	.00120	-.00092	43.207	.00187	.09295
#2	-.00176	86.884	.02275	.00811	.67015	.00126	-.00287	43.237	.00170	.09211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13222**	**.24338**	**248.19**	**14.497**	**.08431**	**52.329**	**3.4244**	**.00117**	**1.9498**	**.14252**
Stddev	.00021	.00003	.32	.074	.00221	.083	.0012	.00003	.0016	.00032
%RSD	.15887	.01345	.13080	.51009	2.6244	.15840	.03402	2.5750	.08317	.22302
#1	.13207	.24336	247.96	14.444	.08274	52.271	3.4236	.00119	1.9509	.14230
#2	.13237	.24340	248.42	14.549	.08587	52.388	3.4253	.00115	1.9486	.14275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.4299**	**.04619**	**.51336**	**.00704**	F **-.01896**	**5.7431**	**-.01430**	**.26327**	**.01248**	W **15.494**
Stddev	.0035	.00068	.00039	.00006	.00586	.0371	.00103	.00000	.00058	.100
%RSD	.04146	1.4620	.07533	.87406	30.934	.64543	7.2368	.00020	4.6738	.64787
#1	8.4274	.04667	.51309	.00708	-.01481	5.7693	-.01503	.26327	.01207	15.423
#2	8.4324	.04571	.51364	.00700	-.02310	5.7169	-.01357	.26327	.01289	15.565
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01049**	**-.02220**	**.56166**	**.43651**	**.23202**
Stddev	.00019	.00575	.00015	.00051	.00129
%RSD	1.8577	25.900	.02703	.11718	.55520
#1	.01062	-.01814	.56156	.43615	.23293
#2	.01035	-.02627	.56177	.43687	.23111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4803.5**	**67202.**	**4866.7**
Stddev	2.4	171.	3.9
%RSD	.04964	.25494	.08026
#1	4805.2	67323.	4869.4
#2	4801.8	67081.	4863.9

Sample Name: 280-27146-B-8-A Acquired: 4/2/2012 19:16:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**71.169**	**.02190**	**.01125**	**.54949**	**.00072**	**-.00063**	**55.309**	**.00158**	**.08334**
Stddev	.00029	.032	.00143	.00023	.00124	.00009	.00180	.009	.00001	.00005
%RSD	14.516	.04552	6.5204	2.0259	.22596	11.912	286.42	.01560	.65564	.06370
#1	-.00217	71.192	.02291	.01109	.54861	.00078	-.00190	55.315	.00157	.08331
#2	-.00177	71.146	.02089	.01141	.55037	.00066	.00064	55.303	.00158	.08338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10207**	**.22548**	**232.74**	**9.7997**	**.06927**	**46.582**	**2.8139**	**.00161**	**3.4484**	**.11803**
Stddev	.00011	.00028	.14	.0053	.00181	.055	.0031	.00016	.0117	.00000
%RSD	.10839	.12617	.06138	.05430	2.6082	.11831	.10965	9.8315	.33804	.00167
#1	.10214	.22528	232.84	9.7959	.07055	46.543	2.8117	.00172	3.4401	.11803
#2	.10199	.22568	232.64	9.8034	.06799	46.621	2.8161	.00149	3.4566	.11803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.558**	**.03598**	**.73421**	**.00411**	W **-.00947**	**3.9299**	**-.01249**	**.29372**	**.01078**	W **14.300**
Stddev	.016	.00119	.00247	.00279	.00027	.0321	.00010	.00016	.00100	.045
%RSD	.13474	3.3042	.33704	67.867	2.8893	.81593	.79243	.05376	9.2910	.31402
#1	11.547	.03682	.73596	.00608	-.00927	3.9072	-.01256	.29361	.01007	14.269
#2	11.569	.03514	.73246	.00214	-.00966	3.9526	-.01242	.29383	.01149	14.332
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00733**	**-.02892**	**.48133**	**.44220**	**.21910**
Stddev	.00023	.04323	.00228	.00071	.00307
%RSD	3.1142	149.48	.47429	.15973	1.4013
#1	.00749	.00165	.47971	.44270	.22127
#2	.00717	-.05948	.48294	.44170	.21693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4893.2**	**68297.**	**4922.1**
Stddev	4.7	157.	14.9
%RSD	.09515	.22998	.30357
#1	4896.5	68408.	4911.6
#2	4889.9	68186.	4932.7

Sample Name: 280-27146-B-9-A Acquired: 4/2/2012 19:19:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**52.951**	**.01839**	**-.00046**	**.48811**	**-.00002**	**-.00150**	**77.663**	**.00141**	**.06916**
Stddev	.00016	.048	.00012	.00116	.00047	.00012	.00021	.120	.00010	.00017
%RSD	8.4580	.09054	.66698	250.02	.09621	536.37	13.713	.15486	6.8614	.25293
#1	-.00182	52.917	.01847	-.00129	.48778	.00006	-.00136	77.748	.00148	.06929
#2	-.00206	52.985	.01830	.00036	.48844	-.00011	-.00165	77.578	.00135	.06904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04617**	**.16547**	**193.59**	**4.5382**	**.03837**	**31.372**	**1.8677**	**.00146**	**4.1429**	**.06493**
Stddev	.00019	.00037	.30	.0459	.00057	.007	.0018	.00002	.0157	.00024
%RSD	.41198	.22174	.15257	1.0118	1.4760	.02243	.09512	1.2507	.37907	.37392
#1	.04604	.16521	193.80	4.5706	.03877	31.377	1.8690	.00147	4.1318	.06476
#2	.04631	.16572	193.38	4.5057	.03797	31.367	1.8664	.00145	4.1540	.06510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7795**	**.02003**	**.79113**	**.00348**	F **-.01431**	**2.8574**	**-.01469**	**.30810**	**.00470**	W **14.971**
Stddev	.0026	.00166	.00883	.00125	.00313	.0040	.00064	.00018	.00235	.028
%RSD	.02605	8.2704	1.1159	35.975	21.875	.13848	4.3394	.05822	49.910	.19015
#1	9.7777	.02121	.79737	.00260	-.01209	2.8546	-.01514	.30797	.00304	14.951
#2	9.7813	.01886	.78489	.00437	-.01652	2.8602	-.01424	.30823	.00636	14.991
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00947**	**-.02539**	**.51661**	**.35799**	**.18502**
Stddev	.00149	.00715	.00085	.00019	.00034
%RSD	15.747	28.158	.16398	.05251	.18296
#1	.01053	-.02034	.51601	.35813	.18478
#2	.00842	-.03045	.51721	.35786	.18526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4911.7**	**68656.**	**4963.6**
Stddev	1.5	3.	1.9
%RSD	.02997	.00425	.03756
#1	4912.8	68658.	4964.9
#2	4910.7	68654.	4962.3

Sample Name: 280-27146-B-10-A Acquired: 4/2/2012 19:21:39 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00184**	**67.043**	**.01539**	**.00788**	**.52333**	**.00039**	**-.00099**	**86.991**	**.00147**	**.09213**
Stddev	.00003	.259	.00017	.00006	.00252	.00000	.00006	.413	.00020	.00015
%RSD	1.6676	.38703	1.0887	.72850	.48097	.15215	5.8443	.47477	13.322	.15979
#1	-.00186	67.227	.01527	.00784	.52511	.00039	-.00095	87.283	.00133	.09203
#2	-.00182	66.860	.01551	.00792	.52155	.00039	-.00103	86.699	.00161	.09224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11973**	**.22113**	**229.43**	**8.9633**	**.07511**	**48.962**	**2.8221**	**.00192**	**2.6880**	**.12223**
Stddev	.00010	.00050	1.14	.0829	.00082	.103	.0043	.00006	.0139	.00027
%RSD	.08068	.22709	.49875	.92535	1.0975	.21041	.15134	3.2018	.51751	.22107
#1	.11967	.22148	230.24	9.0220	.07452	48.890	2.8191	.00196	2.6978	.12242
#2	.11980	.22077	228.62	8.9047	.07569	49.035	2.8251	.00187	2.6781	.12204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.437**	**.03418**	**.81864**	**.00486**	F **-.01251**	**3.0740**	**-.01616**	**.34729**	**.00986**	W **15.456**
Stddev	.028	.00052	.00137	.00005	.00342	.0358	.00021	.00125	.00200	.023
%RSD	.24717	1.5315	.16725	1.0898	27.339	1.1653	1.2712	.36045	20.271	.14730
#1	11.457	.03455	.81960	.00482	-.01493	3.0993	-.01631	.34817	.00844	15.472
#2	11.417	.03381	.81767	.00490	-.01009	3.0487	-.01602	.34640	.01127	15.439
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00974**	**-.03372**	**.53685**	**.43955**	**.19810**
Stddev	.00018	.00255	.00207	.00074	.00155
%RSD	1.8853	7.5751	.38545	.16786	.78176
#1	.00987	-.03552	.53539	.43902	.19701
#2	.00961	-.03191	.53832	.44007	.19920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4844.8**	**67518.**	**4881.8**
Stddev	3.9	169.	15.0
%RSD	.08026	.25101	.30820
#1	4842.0	67637.	4871.2
#2	4847.5	67398.	4892.5

Sample Name: 280-27146-B-11-A Acquired: 4/2/2012 19:24:09 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00244**	**35.097**	**.01078**	**-.00230**	**.37223**	**-.00062**	**-.00300**	**60.475**	**.00119**	**.13329**
Stddev	.00000	.055	.00144	.00050	.00016	.00013	.00139	.173	.00012	.00010
%RSD	.03406	.15776	13.356	21.596	.04269	21.298	46.127	.28621	10.478	.07537
#1	-.00244	35.136	.01180	-.00195	.37234	-.00052	-.00398	60.597	.00128	.13322
#2	-.00244	35.058	.00976	-.00265	.37212	-.00071	-.00202	60.353	.00110	.13336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03707**	**.17920**	**245.75**	**5.9866**	**.03911**	**34.340**	**3.0427**	**.00268**	**3.0652**	**.07054**
Stddev	.00013	.00004	.69	.0221	.00022	.051	.0029	.00005	.0142	.00026
%RSD	.35776	.02495	.28181	.36883	.56174	.14943	.09424	2.0126	.46219	.37493
#1	.03698	.17917	246.24	5.9710	.03926	34.303	3.0407	.00272	3.0552	.07035
#2	.03716	.17923	245.26	6.0023	.03895	34.376	3.0448	.00264	3.0752	.07072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.751**	**.02215**	**.97953**	**.00426**	F **-.01481**	**1.7126**	**-.01713**	**.19082**	**.00363**	W **16.805**
Stddev	.015	.00002	.00633	.00180	.00051	.0092	.00052	.00070	.00175	.063
%RSD	.09786	.07633	.64660	42.159	3.4673	.53478	3.0161	.36729	48.192	.37258
#1	15.740	.02217	.97506	.00553	-.01445	1.7191	-.01677	.19131	.00239	16.849
#2	15.762	.02214	.98401	.00299	-.01518	1.7062	-.01750	.19032	.00487	16.761
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00978**	**-.02585**	**.59924**	**.43771**	**.20732**
Stddev	.00065	.01351	.00002	.00080	.00172
%RSD	6.6201	52.275	.00294	.18214	.82795
#1	.01024	-.01629	.59925	.43715	.20611
#2	.00933	-.03540	.59923	.43827	.20854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5115.6**	**71965.**	**5149.2**
Stddev	3.6	13.	26.3
%RSD	.07040	.01755	.51049
#1	5113.0	71956.	5130.6
#2	5118.1	71974.	5167.8

Sample Name: 280-27146-B-12-A Acquired: 4/2/2012 19:26:42 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**54.737**	**.01381**	**.00550**	**.50870**	**-.00108**	**-.00749**	**74.724**	**.00145**	**.10187**
Stddev	.00003	.102	.00137	.00027	.00048	.00006	.00637	.138	.00005	.00009
%RSD	1.0591	.18722	9.9303	4.8303	.09508	5.1403	85.070	.18469	3.4191	.09055
#1	-.00242	54.664	.01478	.00531	.50836	-.00104	-.01199	74.626	.00141	.10193
#2	-.00239	54.809	.01284	.00569	.50904	-.00112	-.00298	74.822	.00148	.10180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05885**	**.18481**	**298.08**	**8.2392**	**.05127**	**46.182**	**3.2631**	**.00257**	**5.4156**	**.08463**
Stddev	.00018	.00052	.17	.0181	.00086	.007	.0001	.00003	.0057	.00037
%RSD	.29931	.28123	.05595	.21966	1.6748	.01494	.00217	1.0956	.10550	.43881
#1	.05872	.18444	297.96	8.2520	.05188	46.177	3.2631	.00259	5.4196	.08437
#2	.05897	.18518	298.19	8.2264	.05066	46.187	3.2632	.00255	5.4115	.08490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.939**	**.16880**	**2.5652**	**.00659**	F **-.01674**	**2.2773**	**-.02304**	**.28097**	**.00549**	W **23.111**
Stddev	.034	.00195	.0116	.00089	.00251	.0660	.00010	.00006	.00030	.176
%RSD	.23084	1.1540	.45277	13.507	15.021	2.8972	.44419	.01993	5.4537	.76182
#1	14.915	.16742	2.5570	.00596	-.01496	2.3239	-.02297	.28094	.00570	22.987
#2	14.964	.17018	2.5734	.00722	-.01852	2.2306	-.02311	.28101	.00528	23.236
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01466**	**-.00382**	**.72539**	**.53480**	**.28427**
Stddev	.00234	.00209	.00182	.00033	.00015
%RSD	15.946	54.793	.25082	.06102	.05118
#1	.01631	-.00234	.72667	.53503	.28438
#2	.01300	-.00530	.72410	.53457	.28417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5061.3**	**70620.**	**5104.5**
Stddev	3.1	116.	11.1
%RSD	.06160	.16477	.21764
#1	5063.5	70703.	5112.4
#2	5059.0	70538.	5096.6

Sample Name: 280-27146-B-13-A Acquired: 4/2/2012 19:29:11 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113740 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**82.761**	**.02569**	**.01783**	**.73590**	**.00140**	**-.00219**	**43.538**	**.00182**	**.07341**
Stddev	.00004	.522	.00242	.00025	.00559	.00009	.00268	.286	.00005	.00015
%RSD	2.2679	.63035	9.4391	1.3885	.75903	6.7858	122.42	.65666	3.0087	.20762
#1	-.00157	82.392	.02397	.01801	.73195	.00146	-.00029	43.335	.00178	.07330
#2	-.00152	83.130	.02740	.01766	.73985	.00133	-.00409	43.740	.00186	.07352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13901**	**.20718**	**198.34**	**17.013**	**.07928**	**48.001**	**3.2089**	**.00124**	**1.8963**	**.13784**
Stddev	.00039	.00023	1.36	.173	.00011	.056	.0040	.00020	.0357	.00072
%RSD	.27935	.10881	.68531	1.0140	.14425	.11767	.12609	16.313	1.8833	.52238
#1	.13874	.20734	197.38	16.891	.07936	48.041	3.2117	.00110	1.8711	.13835
#2	.13929	.20702	199.30	17.135	.07920	47.961	3.2060	.00139	1.9216	.13733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.8018**	**.07483**	**.47862**	**.00293**	F **-.01505**	**6.9134**	**-.00822**	**.29108**	**.01693**	W **10.835**
Stddev	.0224	.00062	.00254	.00020	.00190	.0068	.00006	.00208	.00240	.019
%RSD	.28708	.82607	.53128	6.6774	12.643	.09810	.78261	.71461	14.193	.17653
#1	7.7860	.07439	.48042	.00307	-.01371	6.9182	-.00817	.28961	.01863	10.848
#2	7.8176	.07526	.47683	.00279	-.01640	6.9087	-.00827	.29255	.01523	10.821
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00466**	**-.03409**	**.43210**	**.41469**	**.14633**
Stddev	.00047	.00045	.00094	.00138	.00326
%RSD	10.164	1.3062	.21791	.33239	2.2277
#1	.00500	-.03378	.43276	.41371	.14863
#2	.00433	-.03441	.43143	.41566	.14402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4642.9**	**64823.**	**4659.0**
Stddev	.7	25.	15.4
%RSD	.01475	.03839	.33061
#1	4643.3	64841.	4669.9
#2	4642.4	64806.	4648.1

Sample Name: CCVH-1338467 Acquired: 4/2/2012 19:31:37 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**49.965**	**-.00107**	**-.00079**	**-.00044**	**.00002**	**1.0018**	**.01041**	**-.00177**	**.00193**	**.00057**	**.00686**	**51.457**
Stddev	.00023	.045	.00275	.00001	.00017	.00004	.0013	.00168	.00005	.00005	.00009	.00020	.227
%RSD	21.331	.09078	257.55	1.8491	38.298	200.54	.12962	16.160	2.9924	2.3376	15.962	2.8636	.44185
#1	.00091	49.933	.00088	-.00080	-.00055	.00005	1.0009	.00922	-.00173	.00190	.00063	.00673	51.296
#2	.00124	49.997	-.00301	-.00078	-.00032	-.00001	1.0027	.01160	-.00181	.00196	.00051	.00700	51.618
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07361**	**.00253**	**-.04894**	**-.00069**	**-.00124**	**259.66**	**.00201**	**.00728**	**.00169**	**5.4328**	**-.00865**	**-.00688**	**.01609**
Stddev	.00688	.00228	.00452	.00001	.00005	.64	.00010	.00100	.00113	.0063	.00166	.00473	.00163
%RSD	9.3464	90.167	9.2258	1.6901	4.0049	.24497	4.9304	13.664	66.750	.11628	19.149	68.758	10.134
#1	-.07847	.00092	-.05214	-.00070	-.00121	259.21	.00208	.00799	.00089	5.4283	-.00748	-.01023	.01494
#2	-.06874	.00414	-.04575	-.00068	-.00128	260.11	.00194	.00658	.00249	5.4373	-.00983	-.00354	.01724
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00317**	**.00040**	**4.8481**	**.00489**	**.00196**	**10.048**	**.00757**	**.00236**	**-.01340**
Stddev	.00006	.00001	.0071	.00034	.00155	.037	.00061	.00035	.00219
%RSD	1.9591	3.6064	.14693	6.9703	79.150	.37055	8.0627	14.680	16.350
#1	.00313	.00041	4.8431	.00465	.00306	10.022	.00800	.00260	-.01494
#2	.00322	.00039	4.8532	.00513	.00086	10.074	.00714	.00211	-.01185
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4336.2**	**60141.**	**4305.8**
Stddev	2.5	75.	9.3
%RSD	.05663	.12403	.21639
#1	4334.4	60088.	4312.3
#2	4337.9	60194.	4299.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 19:34:06 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50123**	F **.57742**	**1.0564**	**.52653**	**.50294**	**.51187**	**-.00103**	**5.0989**	**.52215**	**.50523**	**.49736**	**.53536**
Stddev	.00138	.00429	.0011	.00058	.00014	.00145	.00020	.0010	.00055	.00069	.00061	.00101
%RSD	.27561	.74235	.10238	.10979	.02685	.28245	19.723	.01867	.10480	.13723	.12317	.18887
#1	.50221	.57439	1.0556	.52612	.50304	.51289	-.00089	5.0983	.52176	.50474	.49692	.53608
#2	.50026	.58045	1.0571	.52694	.50285	.51085	-.00118	5.0996	.52254	.50572	.49779	.53465
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5596**	**53.334**	**1.0421**	**21.207**	**.50705**	**.50444**	**5.0331**	**.52426**	**1.0677**	**1.0397**	**-.00036**	**1.0654**
Stddev	.0039	.121	.0037	.075	.00157	.00043	.0046	.00044	.0053	.0000	.00052	.0065
%RSD	.15401	.22757	.35887	.35419	.30914	.08473	.09193	.08451	.49610	.00174	144.01	.60717
#1	2.5624	53.420	1.0448	21.260	.50816	.50413	5.0298	.52458	1.0640	1.0397	-.00073	1.0608
#2	2.5568	53.248	1.0395	21.153	.50594	.50474	5.0364	.52395	1.0715	1.0396	.00001	1.0699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0931**	**5.1571**	**.96987**	**.52857**	**-.00824**	**.49007**	**1.0622**	**.01543**	**.47983**	**.50787**	**.50492**
Stddev	.0015	.0213	.00046	.00074	.00123	.00240	.0018	.05258	.00104	.00264	.00344
%RSD	.14103	.41364	.04788	.14025	14.886	.48916	.17088	340.68	.21642	.51932	.68218
#1	1.0942	5.1722	.97020	.52909	-.00738	.49177	1.0609	-.02175	.48057	.50974	.50736
#2	1.0920	5.1420	.96954	.52805	-.00911	.48838	1.0634	.05262	.47910	.50601	.50249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4405.1**	**61653.**	**4318.1**
Stddev	1.7	243.	4.0
%RSD	.03811	.39378	.09328
#1	4406.2	61481.	4321.0
#2	4403.9	61824.	4315.3

Sample Name: CCB Acquired: 4/2/2012 19:36:27 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00128**	**.00158**	**-.00087**	**-.00152**	**-.00050**	**.00002**	**-.00446**	**.00131**	**.00026**	**-.00041**
Stddev	.00054	.00314	.00135	.00027	.00012	.00001	.00027	.00095	.00009	.00014
%RSD	42.090	198.36	155.27	18.015	24.768	30.701	6.0334	72.848	35.718	33.673
#1	-.00090	.00381	-.00183	-.00133	-.00041	.00002	-.00465	.00199	.00020	-.00051
#2	-.00166	-.00064	.00009	-.00172	-.00058	.00002	-.00426	.00064	.00033	-.00031
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093									
Low Limit	-.00093									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	W **.00220**	**.00978**	**-.08582**	**.00182**	W **-.01984**	W **-.00037**	**.00081**	**-.04808**	**-.00007**
Stddev	.00001	.00003	.00004	.02679	.00131	.00185	.00005	.00042	.01348	.00020
%RSD	4.6285	1.1533	.37988	31.217	71.811	9.3458	12.852	52.030	28.025	276.03
#1	-.00025	.00222	.00980	-.06687	.00275	-.02115	-.00041	.00051	-.03856	.00007
#2	-.00026	.00218	.00975	-.10476	.00090	-.01852	-.00034	.00111	-.05761	-.00021
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.01070	.00025			
Low Limit		-.00136				-.01070	-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00267**	**-.00121**	**-.00464**	W **.00409**	**-.00368**	**-.01005**	**.00002**	**.00014**	**-.00754**	**.00036**
Stddev	.00162	.00166	.00353	.00143	.00755	.00919	.00031	.00012	.00142	.00002
%RSD	60.730	137.08	76.060	34.843	205.14	91.413	1240.1	88.587	18.777	4.5401
#1	.00152	-.00239	-.00214	.00308	-.00901	-.00356	-.00019	.00023	-.00654	.00037
#2	.00381	-.00004	-.00713	.00510	.00166	-.01655	.00024	.00005	-.00854	.00035
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00181**	**-.00727**	**-.00070**	**.00141**	**-.00044**
Stddev	.00079	.03311	.00078	.00028	.00165
%RSD	43.453	455.39	111.47	19.542	371.77
#1	-.00125	-.03069	-.00125	.00121	-.00161
#2	-.00237	.01614	-.00015	.00160	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4389.1**	**62589.**	**4307.1**
Stddev	14.9	200.	8.0
%RSD	.33992	.31964	.18557
#1	4378.5	62447.	4301.4
#2	4399.6	62730.	4312.7

Sample Name: CCVL1341782 Acquired: 4/2/2012 19:39:00 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00857**	**.11688**	**.01765**	**.10403**	**.00944**	**.00102**	**.10993**	**.21607**	**.00554**	**.01056**	**.01017**
Stddev	.00005	.00138	.00026	.00026	.00015	.00003	.00149	.00564	.00007	.00007	.00018
%RSD	.53273	1.1824	1.4969	.25049	1.5920	3.3167	1.3559	2.6090	1.2139	.66571	1.7270
#1	.00854	.11591	.01783	.10385	.00954	.00100	.11099	.22005	.00559	.01061	.01004
#2	.00860	.11786	.01746	.10422	.00933	.00104	.10888	.21208	.00550	.01051	.01029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01923**	**.10043**	**3.1393**	**.01168**	**.19758**	**.01003**	**.02007**	**.98929**	**.04327**	**3.1302**	**.00823**
Stddev	.00034	.00191	.0408	.00008	.00015	.00002	.00015	.01071	.00004	.0063	.00038
%RSD	1.7785	1.9025	1.3013	.68011	.07830	.15694	.74671	1.0828	.08295	.20148	4.6394
#1	.01899	.09907	3.1105	.01174	.19747	.01002	.02018	.98172	.04325	3.1347	.00850
#2	.01947	.10178	3.1682	.01162	.19769	.01004	.01997	.99687	.04330	3.1257	.00796
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00315**	**.01116**	**.01203**	**.50825**	**.09982**	**.01081**	F **.00745**	**.00913**	**.01543**	**.06027**	**.00910**
Stddev	.00200	.00240	.00143	.01980	.00080	.00014	.00017	.00023	.00130	.02866	.00040
%RSD	63.341	21.487	11.884	3.8965	.80009	1.3130	2.2975	2.4834	8.4192	47.554	4.4448
#1	-.00456	.01286	.01304	.52226	.10038	.01091	.00757	.00929	.01635	.08054	.00881
#2	-.00174	.00947	.01102	.49425	.09926	.01071	.00733	.00897	.01451	.04000	.00939
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.01500				
Range							-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02296**	**.01707**
Stddev	.00036	.00069
%RSD	1.5630	4.0522
#1	.02321	.01756
#2	.02270	.01658
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4432.5**	**62962.**	**4324.4**
Stddev	.0	213.	13.8
%RSD	.00087	.33768	.31847
#1	4432.5	62812.	4314.6
#2	4432.4	63113.	4334.1

Sample Name: MB 280-113737/1-A Acquired: 4/2/2012 19:41:31 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00002**	**.00010**	W **-.00164**	**-.00038**	**.00010**	**-.00539**	**.00279**	**.00013**	**-.00035**
Stddev	.00004	.00047	.00106	.00039	.00021	.00005	.00118	.00566	.00005	.00024
%RSD	7.9472	1974.7	1075.8	23.767	54.669	48.089	21.865	203.01	37.140	68.980
#1	-.00053	-.00031	-.00065	-.00136	-.00053	.00006	-.00456	-.00121	.00010	-.00018
#2	-.00059	.00036	.00085	-.00191	-.00024	.00013	-.00622	.00679	.00017	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156						
Low Limit				-.00156						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	W **.00241**	**.00058**	**-.15775**	**.00165**	W **-.01794**	F **-.00057**	**-.00027**	**-.07595**	**-.00062**
Stddev	.00026	.00022	.00027	.05457	.00071	.00069	.00001	.00017	.00243	.00012
%RSD	84.114	9.0465	46.974	34.591	42.942	3.8612	1.5202	64.089	3.1948	19.471
#1	-.00013	.00257	.00039	-.19634	.00215	-.01745	-.00056	-.00015	-.07766	-.00071
#2	-.00050	.00226	.00077	-.11917	.00115	-.01843	-.00057	-.00040	-.07423	-.00054
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.01070	.00056			
Low Limit		-.00136				-.01070	-.00056			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00053**	**-.00112**	**-.00013**	W **-.00719**	**.00210**	**.00027**	**.00004**	W **-.00729**	**-.00053**
Stddev	.00046	.00102	.00011	.00037	.00080	.01183	.00017	.00018	.00142	.00018
%RSD	189.92	191.54	9.6793	291.25	11.070	563.19	63.805	438.65	19.513	34.089
#1	-.00057	-.00126	-.00104	-.00039	-.00775	.01047	.00015	-.00009	-.00628	-.00066
#2	.00008	.00019	-.00119	.00013	-.00663	-.00626	.00039	.00017	-.00829	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00486				.00495	
Low Limit					-.00486				-.00495	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	W **-.02494**	**-.00073**	**.00242**	**-.00247**
Stddev	.00101	.01008	.00003	.00022	.00263
%RSD	135.79	40.437	4.6777	9.0651	106.61
#1	-.00146	-.03207	-.00071	.00258	-.00061
#2	-.00003	-.01781	-.00076	.00227	-.00433
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01610			
Low Limit		-.01610			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4420.6**	**63214.**	**4345.8**
Stddev	1.5	138.	4.9
%RSD	.03435	.21867	.11306
#1	4421.7	63311.	4349.2
#2	4419.5	63116.	4342.3

Sample Name: LCS 280-113737/2-A Acquired: 4/2/2012 19:44:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04845**	F **2.1652**	**1.0459**	**1.0352**	**2.0120**	**.05117**	**2.0443**	**50.220**	**.10567**	**.48998**
Stddev	.00000	.0110	.0019	.0022	.0020	.00003	.0012	.031	.00027	.00085
%RSD	.00094	.50918	.18508	.21607	.10146	.05171	.05669	.06183	.25290	.17287
#1	.04845	2.1574	1.0473	1.0336	2.0135	.05119	2.0435	50.242	.10586	.49057
#2	.04845	2.1729	1.0445	1.0368	2.0106	.05115	2.0451	50.199	.10548	.48938
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.1600								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19793**	**.26728**	**1.0049**	**53.512**	**1.0474**	**51.223**	**.50540**	**1.0209**	**51.258**	**.51357**
Stddev	.00040	.00047	.0039	.044	.0011	.066	.00020	.0013	.533	.00014
%RSD	.20046	.17584	.38770	.08313	.10215	.12932	.03960	.12854	1.0402	.02812
#1	.19821	.26695	1.0021	53.481	1.0467	51.270	.50554	1.0219	51.635	.51347
#2	.19765	.26761	1.0077	53.543	1.0482	51.176	.50526	1.0200	50.881	.51368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.700**	**.50571**	**-.00100**	**.52747**	**2.1133**	**10.342**	**1.9247**	**1.0587**	**.96655**	**.99283**
Stddev	.001	.00439	.00820	.00074	.0038	.017	.0005	.0011	.00250	.00095
%RSD	.01149	.86714	822.34	.14010	.17923	.16195	.02788	.10292	.25898	.09604
#1	10.700	.50882	-.00680	.52799	2.1160	10.354	1.9251	1.0595	.96478	.99351
#2	10.701	.50261	.00480	.52694	2.1106	10.330	1.9243	1.0579	.96832	.99216
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0268**	**2.0326**	**.48812**	**.49555**	**.49748**
Stddev	.0027	.0050	.00058	.00062	.00086
%RSD	.13256	.24675	.11924	.12490	.17221
#1	2.0287	2.0290	.48771	.49599	.49688
#2	2.0249	2.0361	.48853	.49512	.49809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4262.2**	**60063.**	**4290.2**
Stddev	.0	6.	10.5
%RSD	.00074	.01016	.24535
#1	4262.2	60059.	4297.6
#2	4262.2	60067.	4282.7

Sample Name: LCSD 280-113737/3-A Acquired: 4/2/2012 19:46:21 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04939**	F **2.1655**	**1.0502**	**1.0374**	**2.0131**	**.05132**	**2.0488**	**50.199**	**.10590**	**.49094**
Stddev	.00022	.0008	.0040	.0001	.0011	.00018	.0012	.061	.00007	.00047
%RSD	.44062	.03792	.37962	.00749	.05254	.34969	.06001	.12216	.06213	.09593
#1	.04924	2.1661	1.0530	1.0374	2.0124	.05119	2.0479	50.155	.10595	.49127
#2	.04954	2.1649	1.0474	1.0373	2.0139	.05145	2.0497	50.242	.10586	.49060
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.1600								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19861**	**.26796**	**1.0024**	**53.358**	**1.0449**	**51.379**	**.50963**	**1.0235**	**51.824**	**.51394**
Stddev	.00035	.00011	.0006	.023	.0008	.027	.00036	.0011	.079	.00082
%RSD	.17616	.04033	.05844	.04275	.08162	.05230	.07129	.10594	.15153	.15999
#1	.19837	.26789	1.0020	53.341	1.0455	51.398	.50989	1.0242	51.880	.51452
#2	.19886	.26804	1.0028	53.374	1.0443	51.360	.50937	1.0227	51.769	.51336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.716**	**.50910**	**-.00351**	**.52817**	**2.1181**	**10.345**	**1.9278**	**1.0595**	**.97015**	**.99486**
Stddev	.013	.00061	.00097	.00086	.0036	.033	.0008	.0009	.00276	.00167
%RSD	.11704	.12019	27.561	.16338	.17099	.32154	.04402	.08210	.28426	.16819
#1	10.725	.50953	-.00420	.52756	2.1155	10.322	1.9284	1.0589	.96820	.99604
#2	10.707	.50867	-.00283	.52878	2.1207	10.369	1.9272	1.0601	.97210	.99367
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0328**	**2.0433**	**.49111**	**.49885**	**.50023**
Stddev	.0012	.0293	.00143	.00101	.00117
%RSD	.05683	1.4349	.29116	.20254	.23465
#1	2.0319	2.0640	.49212	.49956	.50106
#2	2.0336	2.0225	.49010	.49813	.49940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4268.0**	**59843.**	**4304.4**
Stddev	8.5	365.	11.0
%RSD	.19975	.61066	.25508
#1	4261.9	59585.	4312.2
#2	4274.0	60101.	4296.6

Sample Name: 280-27142-C-1-A Acquired: 4/2/2012 19:48:37 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**.00475**	**.00183**	**.53897**	**1.5211**	**.00008**	**-.00769**	**7.8367**	**.00001**	**.00026**
Stddev	.00000	.00000	.00618	.00038	.0053	.00005	.00058	.0220	.00003	.00028
%RSD	.14894	.09199	337.87	.07092	.34825	61.082	7.5487	.28076	237.94	110.52
#1	-.00197	.00475	.00620	.53870	1.5174	.00011	-.00728	7.8211	-.00001	.00006
#2	-.00197	.00475	-.00254	.53924	1.5249	.00004	-.00810	7.8522	.00004	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00492**	**.39779**	**4.7683**	**.64629**	**2.0583**	**.01049**	**.00136**	W **1089.5**	**-.00005**
Stddev	.00012	.00009	.00182	.0632	.00035	.0008	.00011	.00026	3.8	.00002
%RSD	14.873	1.8788	.45748	1.3247	.05399	.03750	1.0819	19.318	.34520	35.762
#1	.00074	.00486	.39650	4.7236	.64604	2.0577	.01041	.00117	1086.9	-.00004
#2	.00091	.00499	.39907	4.8129	.64653	2.0588	.01057	.00155	1092.2	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04193**	**-.00084**	**.03811**	**-.00107**	**-.00139**	**8.6699**	**-.00002**	**1.9032**	**-.00664**	**-.00050**
Stddev	.00041	.00153	.00507	.00293	.00709	.0096	.00025	.0066	.00070	.00019
%RSD	.97373	182.41	13.305	274.30	510.11	.11066	1338.2	.34610	10.527	39.056
#1	.04165	.00024	.04170	-.00314	.00362	8.6631	.00016	1.8985	-.00714	-.00036
#2	.04222	-.00192	.03453	.00100	-.00640	8.6767	-.00020	1.9078	-.00615	-.00063
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00248**	**-.00917**	**-.00035**	**.00736**	**.00019**
Stddev	.00017	.01938	.00028	.00043	.00076
%RSD	6.7940	211.45	78.195	5.8477	404.34
#1	.00260	-.02287	-.00016	.00767	.00072
#2	.00236	.00454	-.00055	.00706	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4007.9**	**54746.**	**4211.2**
Stddev	5.7	262.	8.6
%RSD	.14142	.47791	.20525
#1	4011.9	54931.	4217.3
#2	4003.9	54561.	4205.0

Sample Name: 280-27142-C-2-A Acquired: 4/2/2012 19:51:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.01174**	**-.00638**	**.31857**	**.42114**	**.00003**	**-.00308**	**3.7438**	**.00000**	**.00025**
Stddev	.00024	.00171	.00011	.00089	.00003	.00004	.00102	.0117	.0002	.00012
%RSD	16.124	14.548	1.7416	.27930	.00689	174.54	32.998	.31117	8122.5	48.361
#1	-.00132	.01294	-.00646	.31920	.42112	.00006	-.00236	3.7355	-.00013	.00016
#2	-.00166	.01053	-.00630	.31794	.42116	-.00001	-.00380	3.7520	.00012	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00935**	**.82177**	**3.1538**	**.26288**	**.69586**	**.01077**	**.00021**	W **704.10**	**.00082**
Stddev	.00012	.00065	.00060	.0055	.00068	.00257	.00004	.00005	.14	.00005
%RSD	14.021	6.9469	.07284	.17504	.25734	.36999	.35891	25.859	.02001	6.5012
#1	.00097	.00980	.82220	3.1499	.26241	.69768	.01080	.00017	704.20	.00078
#2	.00079	.00889	.82135	3.1577	.26336	.69404	.01075	.00024	704.00	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03217**	**-.00040**	**.07077**	**-.00094**	**-.00336**	**10.222**	**-.00006**	**.71915**	**-.00787**	**-.00031**
Stddev	.00084	.00058	.00231	.00063	.00206	.025	.00011	.00047	.00171	.00001
%RSD	2.5956	143.61	3.2699	67.259	61.188	.24201	187.88	.06504	21.703	3.7263
#1	.03158	-.00081	.07241	-.00139	-.00481	10.204	-.00014	.71882	-.00908	-.00031
#2	.03276	.00001	.06914	-.00049	-.00191	10.239	.00002	.71948	-.00667	-.00032
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00243**	**.00017**	**.01161**	**-.00048**
Stddev	.00089	.00066	.00021	.00066	.00172
%RSD	135.35	27.125	117.36	5.6706	357.52
#1	.00128	.00196	.00032	.01208	.00073
#2	.00003	.00289	.00003	.01115	-.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.5**	**55606.**	**4226.1**
Stddev	1.0	110.	14.4
%RSD	.02571	.19711	.34005
#1	4056.2	55684.	4236.2
#2	4054.7	55529.	4215.9

Sample Name: 280-27142-C-3-A Acquired: 4/2/2012 19:55:07 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.01056**	**-.00233**	**.02359**	**.52479**	**.00003**	**-.00293**	**3.5747**	**.00025**	**.00001**
Stddev	.00042	.00034	.00184	.00065	.00031	.00004	.00045	.0060	.00015	.00016
%RSD	42.101	3.2210	79.057	2.7740	.05886	156.52	15.372	.16932	61.043	1139.5
#1	-.00131	.01081	-.00103	.02405	.52457	.00005	-.00261	3.5704	.00035	.00013
#2	-.00071	.01032	-.00363	.02312	.52501	.00000	-.00325	3.5790	.00014	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.00660**	**2.0036**	**2.2900**	**.03461**	**.87396**	**.02952**	**.00129**	**341.94**	**.00429**
Stddev	.00011	.00013	.0052	.0179	.00122	.00541	.00007	.00038	1.08	.00023
%RSD	7.1655	2.0112	.26104	.78116	3.5291	.61915	.24053	29.149	.31529	5.3566
#1	.00157	.00651	1.9999	2.3026	.03375	.87778	.02957	.00102	341.18	.00413
#2	.00142	.00670	2.0073	2.2773	.03547	.87013	.02947	.00156	342.70	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01842**	**-.00035**	**.05590**	**.00029**	W **-.00795**	**7.8569**	**-.00016**	**.31525**	**-.00514**	**-.00042**
Stddev	.00117	.00083	.00247	.00070	.00504	.0100	.00093	.00003	.00126	.00008
%RSD	6.3572	236.62	4.4211	241.64	63.403	.12701	566.89	.00822	24.447	19.110
#1	.01925	-.00093	.05415	.00078	-.01151	7.8498	.00049	.31523	-.00425	-.00048
#2	.01760	.00023	.05764	-.00020	-.00438	7.8640	-.00082	.31527	-.00603	-.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**-.00891**	**.00015**	**.00463**	**-.00095**
Stddev	.00088	.02305	.00017	.00026	.00005
%RSD	81.041	258.63	111.33	5.7070	5.1966
#1	-.00171	.00739	.00027	.00481	-.00098
#2	-.00046	-.02521	.00003	.00444	-.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4152.5**	**57786.**	**4264.6**
Stddev	2.1	111.	10.5
%RSD	.05088	.19198	.24709
#1	4151.0	57708.	4272.1
#2	4154.0	57865.	4257.2

Sample Name: 280-27145-E-1-A Acquired: 4/2/2012 19:57:45 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00175**	**9.4616**	**-.00256**	**.14434**	**.05970**	**.00025**	**-.00943**	**21.580**	**.00293**	**.00190**
Stddev	.00035	.0290	.00249	.00141	.00033	.00003	.00039	.042	.00002	.00020
%RSD	20.007	.30616	97.451	.97626	.55420	13.246	4.1130	.19279	.60348	10.472
#1	-.00200	9.4412	-.00079	.14334	.05947	.00027	-.00971	21.551	.00292	.00204
#2	-.00150	9.4821	-.00432	.14534	.05994	.00022	-.00916	21.610	.00295	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09286**	**.45938**	**4.9509**	**59.683**	**.03102**	**11.893**	**.09390**	**.02644**	W **3335.9**	**.08203**
Stddev	.00015	.00139	.0024	.116	.00419	.044	.00034	.00003	8.2	.00047
%RSD	.16601	.30233	.04889	.19411	13.518	.36907	.36709	.10332	.24544	.57497
#1	.09275	.46036	4.9492	59.601	.03399	11.924	.09414	.02646	3330.1	.08169
#2	.09297	.45839	4.9526	59.765	.02806	11.862	.09366	.02642	3341.7	.08236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **174.16**	**.01901**	**1260.9**	**.00124**	**-.00234**	W **78.152**	**.00332**	**.12679**	**-.00930**	**.05973**
Stddev	.23	.00184	.8	.00159	.00202	.037	.00079	.00019	.00024	.00093
%RSD	.12952	9.7055	.06636	128.04	86.255	.04788	23.759	.15368	2.5994	1.5547
#1	174.00	.02031	1260.3	.00236	-.00091	78.178	.00388	.12693	-.00913	.06038
#2	174.32	.01770	1261.5	.00012	-.00377	78.125	.00276	.12665	-.00947	.05907
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000					50.000				
Low Limit	-2.0000					-.10000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.01585**	**.00221**	**.37219**	**.00744**
Stddev	.00020	.01218	.00001	.00279	.00219
%RSD	26.368	76.845	.50519	.74829	29.420
#1	-.00062	.00724	.00221	.37416	.00899
#2	-.00090	.02446	.00220	.37022	.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3887.3**	**51749.**	**4216.9**
Stddev	4.5	146.	11.4
%RSD	.11596	.28162	.26964
#1	3890.4	51646.	4225.0
#2	3884.1	51852.	4208.9

Sample Name: CCVH-1338467 Acquired: 4/2/2012 20:00:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**50.004**	**.00092**	**.00010**	**-.00028**	**.00004**	**1.0131**	**.00395**	**-.00169**	**.00191**	**.00051**	**.00615**	**51.059**
Stddev	.00025	.128	.00354	.00075	.00019	.00000	.0037	.00442	.00012	.00002	.00019	.00046	.310
%RSD	35.056	.25612	384.30	736.49	67.527	5.6390	.36226	111.91	7.2645	1.1913	36.498	7.4673	.60668
#1	.00053	49.913	.00343	.00063	-.00015	.00004	1.0105	.00707	-.00178	.00193	.00064	.00582	50.839
#2	.00088	50.094	-.00158	-.00043	-.00042	.00004	1.0157	.00082	-.00161	.00189	.00038	.00647	51.278
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07792**	**.00351**	**-.04708**	**-.00104**	**-.00114**	**258.64**	**.00210**	**.00850**	**.00091**	**5.4614**	**-.00580**	**-.00892**	**.08015**
Stddev	.03325	.00011	.00243	.00008	.00002	.38	.00013	.00044	.00012	.0067	.00348	.00059	.00467
%RSD	42.676	3.1627	5.1598	8.0483	1.5835	.14625	6.3137	5.1263	13.093	.12357	60.007	6.6671	5.8253
#1	.10143	.00359	-.04536	-.00098	-.00113	258.37	.00201	.00881	.00083	5.4662	-.00826	-.00934	.08345
#2	.05440	.00344	-.04879	-.00110	-.00115	258.91	.00220	.00819	.00100	5.4566	-.00334	-.00850	.07685
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**.00039**	**4.9121**	**.00240**	**.00257**	**10.074**	**.00744**	**.00255**	**-.02268**
Stddev	.00009	.00005	.0031	.00008	.00013	.014	.00020	.00046	.00319
%RSD	2.8179	13.604	.06252	3.2111	5.2477	.13931	2.7174	18.115	14.045
#1	.00321	.00036	4.9099	.00235	.00267	10.084	.00758	.00223	-.02493
#2	.00334	.00043	4.9142	.00246	.00248	10.064	.00730	.00288	-.02043
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4275.2**	**59470.**	**4270.8**
Stddev	4.2	89.	17.0
%RSD	.09886	.14995	.39692
#1	4278.2	59533.	4282.7
#2	4272.2	59407.	4258.8

Sample Name: CCV-1338469 Acquired: 4/2/2012 20:03:27 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51391**	F **.57873**	**1.0660**	**.53406**	**.51118**	**.51352**	**.00009**	**5.1638**	**.52976**	**.51407**	**.50604**	**.53703**
Stddev	.00002	.00426	.0001	.00084	.00086	.00039	.00199	.0025	.00109	.00124	.00027	.00077
%RSD	.00335	.73527	.01246	.15799	.16727	.07647	2104.1	.04804	.20633	.24119	.05417	.14288
#1	.51392	.57572	1.0661	.53466	.51178	.51380	.00150	5.1656	.53054	.51495	.50624	.53649
#2	.51390	.58174	1.0659	.53347	.51057	.51325	-.00132	5.1621	.52899	.51319	.50585	.53757
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5582**	**53.229**	**1.0468**	**21.410**	**.51330**	**.51148**	**5.4369**	**.52964**	**1.0812**	**1.0546**	**.02888**	**1.0730**
Stddev	.0050	.054	.0004	.002	.00078	.00199	.0326	.00078	.0034	.0049	.00388	.0077
%RSD	.19484	.10191	.03665	.00896	.15107	.38858	.59894	.14659	.30973	.46363	13.436	.72002
#1	2.5618	53.267	1.0471	21.409	.51275	.51289	5.4599	.53019	1.0835	1.0580	.03162	1.0785
#2	2.5547	53.191	1.0465	21.412	.51384	.51007	5.4139	.52909	1.0788	1.0511	.02614	1.0675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0983**	**5.2516**	**.99646**	**.52982**	**-.00790**	**.50047**	**1.0756**	**.00224**	**.49382**	**.51654**	**.50921**
Stddev	.0021	.0122	.00075	.00117	.00206	.00060	.0007	.00041	.00045	.00093	.00139
%RSD	.19260	.23252	.07550	.22101	26.131	.12002	.06494	18.188	.09052	.17976	.27353
#1	1.0968	5.2602	.99699	.53065	-.00644	.50005	1.0761	.00253	.49414	.51588	.51019
#2	1.0998	5.2429	.99592	.52899	-.00936	.50090	1.0751	.00196	.49351	.51719	.50822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4375.1**	**61044.**	**4335.4**
Stddev	2.1	77.	5.5
%RSD	.04799	.12631	.12714
#1	4373.6	61098.	4331.5
#2	4376.5	60989.	4339.3

Sample Name: CCB Acquired: 4/2/2012 20:05:48 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00098**	**-.00059**	**.00097**	**-.00073**	W **-.00097**	**.00012**	**-.00113**	**-.00291**	**.00027**	**-.00038**
Stddev	.00008	.00080	.00596	.00073	.00017	.00003	.00299	.00329	.00002	.00013
%RSD	8.6268	134.83	615.62	99.412	17.757	27.008	263.66	112.93	7.7622	33.134
#1	-.00104	-.00003	-.00325	-.00125	-.00085	.00010	.00098	-.00524	.00028	-.00047
#2	-.00092	-.00115	.00518	-.00022	-.00109	.00015	-.00325	-.00059	.00025	-.00029
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	W **.00178**	**-.00062**	**-.01031**	**.00062**	W **-.02098**	F **-.00054**	**.00072**	F **.22695**	**.00020**
Stddev	.00014	.00020	.00192	.02391	.00003	.00055	.00008	.00019	.00492	.00022
%RSD	752.44	10.952	310.11	231.93	4.1854	2.6354	14.738	26.008	2.1680	110.03
#1	-.00008	.00164	.00074	-.02722	.00060	-.02059	-.00049	.00058	.23043	.00005
#2	.00012	.00192	-.00198	.00660	.00064	-.02138	-.00060	.00085	.22347	.00036
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00051		.10000	
Low Limit		-.00136				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00190**	**.00064**	**.01526**	W **.00345**	**-.00256**	**.01403**	**.00085**	**.00011**	**-.00540**	**-.00056**
Stddev	.00085	.00033	.00365	.00143	.00060	.01060	.00018	.00018	.00042	.00011
%RSD	44.962	51.000	23.919	41.592	23.464	75.577	21.685	167.22	7.7541	18.739
#1	.00250	.00041	.01784	.00244	-.00299	.00653	.00072	-.00002	-.00570	-.00049
#2	.00129	.00087	.01268	.00446	-.00214	.02152	.00098	.00023	-.00511	-.00064
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**-.02121**	**-.00065**	**.00209**	**-.00111**
Stddev	.00029	.01647	.00027	.00019	.00159
%RSD	22.357	77.648	41.405	8.9129	143.21
#1	.00110	-.00956	-.00046	.00222	-.00224
#2	.00151	-.03285	-.00084	.00195	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.7**	**61821.**	**4297.2**
Stddev	5.6	80.	22.1
%RSD	.12796	.12978	.51543
#1	4366.7	61878.	4281.5
#2	4358.8	61764.	4312.8

Sample Name: CCVL1341782 Acquired: 4/2/2012 20:08:22 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00944**	**.11575**	**.01525**	**.10400**	**.00953**	**.00100**	**.11085**	**.20146**	**.00542**	**.01023**	**.00982**
Stddev	.00097	.00033	.00056	.00071	.00003	.00009	.00302	.00217	.00018	.00003	.00005
%RSD	10.255	.28803	3.6473	.68321	.34291	8.7205	2.7202	1.0783	3.3982	.27945	.51271
#1	.01012	.11551	.01486	.10350	.00956	.00106	.11298	.20300	.00555	.01021	.00985
#2	.00875	.11598	.01564	.10451	.00951	.00094	.10872	.19993	.00529	.01025	.00978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01828**	**.09894**	**3.0196**	**.01175**	**.19270**	**.00984**	**.02011**	**1.1843**	**.04285**	**3.1213**	**.00885**
Stddev	.00018	.00184	.0629	.00076	.00313	.00005	.00022	.0089	.00008	.0001	.00012
%RSD	.97612	1.8568	2.0817	6.4617	1.6222	.53139	1.1047	.75355	.19447	.00408	1.3480
#1	.01816	.10024	2.9752	.01229	.19049	.00981	.01995	1.1906	.04291	3.1213	.00877
#2	.01841	.09764	3.0641	.01122	.19491	.00988	.02027	1.1780	.04279	3.1212	.00893
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**.01051**	F **.01012**	**.53726**	**.10110**	**.01060**	F **.00768**	**.00942**	**.01623**	W **.07350**	**.00959**
Stddev	.00401	.00032	.00493	.00783	.00004	.00019	.00099	.00007	.00015	.00439	.00004
%RSD	33.691	3.0287	48.717	1.4565	.03781	1.8257	12.846	.70089	.89483	5.9793	.44051
#1	.01473	.01074	.00663	.54279	.10107	.01073	.00838	.00937	.01612	.07039	.00962
#2	.00906	.01029	.01360	.53172	.10113	.01046	.00698	.00947	.01633	.07661	.00956
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value			.01500				.01500			.06000	
Range			-30.000%				-30.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02204**	**.01396**
Stddev	.00027	.00214
%RSD	1.2029	15.340
#1	.02223	.01547
#2	.02185	.01244
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4431.3**	**62672.**	**4337.4**
Stddev	5.5	25.	2.1
%RSD	.12444	.04038	.04818
#1	4435.2	62654.	4338.9
#2	4427.4	62690.	4336.0

Sample Name: 280-27144-E-1-A Acquired: 4/2/2012 20:10:54 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.00646**	**.00242**	**-.00052**	**-.00018**	**.00010**	**-.00189**	**.01516**	**.00023**	**-.00050**
Stddev	.00068	.00075	.00340	.00011	.00035	.00002	.00115	.00260	.00007	.00019
%RSD	85.338	11.542	140.73	21.339	196.34	15.276	60.545	17.169	30.496	38.232
#1	-.00127	.00593	.00482	-.00045	-.00043	.00011	-.00270	.01700	.00018	-.00036
#2	-.00031	.00698	.00001	-.00060	.00007	.00009	-.00108	.01332	.00028	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00216**	**.00979**	**-.10769**	**.00053**	**-.01299**	**.00150**	**-.00011**	**.11966**	**.00054**
Stddev	.00011	.00059	.00036	.02924	.00145	.00692	.00010	.00016	.00099	.00008
%RSD	19.898	27.151	3.6759	27.152	270.30	53.285	6.5124	145.68	.82711	15.115
#1	.00047	.00174	.01004	-.08701	.00156	-.01789	.00143	.00000	.12036	.00049
#2	.00062	.00257	.00954	-.12836	-.00049	-.00810	.00157	-.00022	.11896	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00462**	**.00053**	**.02855**	**-.00154**	**-.00382**	**.03301**	**-.00074**	**.00028**	**-.00535**	**-.00041**
Stddev	.00059	.00200	.00980	.00191	.00113	.02273	.00049	.00004	.00049	.00009
%RSD	12.682	381.14	34.312	124.29	29.505	68.858	67.029	12.891	9.1505	21.924
#1	.00503	-.00089	.03548	-.00019	-.00303	.01694	-.00039	.00030	-.00569	-.00047
#2	.00420	.00194	.02162	-.00289	-.00462	.04909	-.00108	.00025	-.00500	-.00034
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**-.01537**	**-.00048**	**.00393**	**.00018**
Stddev	.00066	.00308	.00006	.00042	.00216
%RSD	78.900	20.009	12.834	10.586	1187.9
#1	-.00130	-.01754	-.00044	.00364	-.00135
#2	-.00037	-.01319	-.00053	.00422	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4411.0**	**63074.**	**4365.3**
Stddev	6.4	197.	7.0
%RSD	.14457	.31233	.16073
#1	4406.4	63213.	4370.2
#2	4415.5	62935.	4360.3

Sample Name: 280-27144-E-2-A Acquired: 4/2/2012 20:13:29 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.58569**	**-.00026**	**.00420**	**.03427**	**.00013**	**-.00463**	**7.0099**	**.00038**	**.00034**
Stddev	.00018	.00262	.00160	.00026	.00002	.00002	.00395	.0078	.00015	.00009
%RSD	12.573	.44672	619.44	6.3038	.07157	17.438	85.372	.11161	38.361	25.496
#1	-.00131	.58754	-.00139	.00401	.03425	.00015	-.00743	7.0044	.00028	.00028
#2	-.00156	.58384	.00087	.00438	.03429	.00011	-.00184	7.0155	.00049	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00292**	**1.7032**	**1.6912**	**.00304**	**1.9558**	**.18915**	**-.00007**	**6.6046**	**.00001**
Stddev	.00003	.00020	.0001	.0324	.00132	.0011	.00012	.00001	.0074	.00007
%RSD	5.1270	7.0085	.00808	1.9141	43.345	.05549	.06242	8.8404	.11253	631.25
#1	.00069	.00277	1.7033	1.6683	.00211	1.9566	.18906	-.00007	6.6098	-.00004
#2	.00065	.00306	1.7031	1.7141	.00397	1.9550	.18923	-.00007	6.5993	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03259**	**.00011**	**.65533**	**.00228**	W **-.00516**	**9.5601**	**.00009**	**.08345**	**-.00687**	**.02305**
Stddev	.00267	.00064	.00794	.00015	.00357	.0141	.00026	.00010	.00016	.00099
%RSD	8.1891	563.21	1.2117	6.4638	69.131	.14751	290.64	.11970	2.2803	4.2961
#1	.03448	-.00034	.66094	.00238	-.00768	9.5700	.00028	.08338	-.00698	.02235
#2	.03070	.00057	.64971	.00218	-.00264	9.5501	-.00010	.08352	-.00676	.02375
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**-.00699**	**.00040**	**.00886**	**.00076**
Stddev	.00053	.00049	.00052	.00001	.00063
%RSD	87.562	7.0476	128.95	.13670	83.809
#1	-.00098	-.00664	.00077	.00887	.00121
#2	-.00023	-.00734	.00004	.00885	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4421.0**	**62395.**	**4372.1**
Stddev	4.0	153.	.2
%RSD	.09013	.24484	.00536
#1	4418.2	62287.	4371.9
#2	4423.8	62503.	4372.3

Sample Name: 280-27144-E-3-A Acquired: 4/2/2012 20:16:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00817**	**.00271**	**-.00145**	**-.00014**	**.00010**	**.00017**	**.06033**	**.00027**	**-.00029**
Stddev	.00004	.00144	.00213	.00031	.00033	.00012	.00058	.00104	.00017	.00000
%RSD	6.9222	17.611	78.768	21.715	244.80	113.15	348.78	1.7186	64.225	.53487
#1	-.00059	.00715	.00421	-.00123	.00010	.00002	-.00024	.06106	.00040	-.00029
#2	-.00054	.00919	.00120	-.00167	-.00037	.00019	.00057	.05960	.00015	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00395**	**.08642**	**-.03850**	**.00078**	**-.01380**	**.00290**	**.00006**	**.05856**	**-.00036**
Stddev	.00005	.00005	.00313	.03045	.00055	.00097	.00002	.00021	.00562	.00001
%RSD	8.0758	1.2330	3.6168	79.095	70.190	7.0192	.60217	354.96	9.5910	1.5804
#1	.00068	.00392	.08421	-.06004	.00039	-.01311	.00289	-.00009	.06253	-.00037
#2	.00060	.00399	.08863	-.01697	.00116	-.01448	.00292	.00021	.05459	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00285**	**-.00033**	**.01379**	**.00238**	**-.00469**	**.02662**	**.00044**	**.00025**	**-.00678**	**-.00076**
Stddev	.00175	.00144	.00160	.00007	.00230	.00602	.00072	.00000	.00085	.00013
%RSD	61.560	431.76	11.598	3.0035	48.919	22.611	164.82	1.8100	12.535	16.951
#1	.00161	.00068	.01266	.00243	-.00307	.02237	-.00007	.00025	-.00618	-.00085
#2	.00409	-.00135	.01492	.00233	-.00631	.03088	.00095	.00026	-.00738	-.00067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**-.01474**	**-.00031**	**.00855**	**-.00139**
Stddev	.00115	.00327	.00032	.00019	.00002
%RSD	79.955	22.220	103.71	2.2112	1.2649
#1	-.00062	-.01242	-.00053	.00868	-.00140
#2	-.00225	-.01705	-.00008	.00841	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4405.7**	**63237.**	**4365.7**
Stddev	.3	189.	4.5
%RSD	.00587	.29927	.10384
#1	4405.9	63104.	4368.9
#2	4405.5	63371.	4362.5

Sample Name: 280-27144-E-4-A Acquired: 4/2/2012 20:18:35 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**.19003**	**-.00236**	**.01770**	**.01882**	**.00009**	**-.00342**	**10.717**	**.00015**	**.00000**
Stddev	.00020	.00124	.00065	.00026	.00037	.00002	.00004	.032	.00003	.0002
%RSD	13.863	.65439	27.460	1.4811	1.9546	16.755	1.2656	.30180	17.159	8522.0
#1	-.00156	.18915	-.00282	.01751	.01856	.00010	-.00345	10.740	.00013	-.00015
#2	-.00128	.19091	-.00190	.01788	.01908	.00008	-.00339	10.694	.00017	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00441**	**1.6346**	**2.7399**	**.00200**	**2.5112**	**.22106**	**.00034**	**15.575**	**.00063**
Stddev	.00003	.00029	.0002	.0053	.00126	.0063	.00049	.00012	.440	.00012
%RSD	4.5332	6.5822	.01120	.19227	62.829	.25100	.21983	34.941	2.8253	18.602
#1	.00064	.00420	1.6345	2.7437	.00289	2.5067	.22071	.00025	15.886	.00071
#2	.00068	.00461	1.6347	2.7362	.00111	2.5157	.22140	.00042	15.264	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01725**	**.00168**	**2.8804**	**-.00081**	**-.00347**	**5.6752**	**-.00017**	**.05017**	**-.00741**	**.00227**
Stddev	.00022	.00006	.0073	.00008	.00086	.0070	.00008	.00009	.00070	.00049
%RSD	1.2788	3.8206	.25336	9.5642	24.682	.12367	48.516	.17289	9.4584	21.619
#1	.01740	.00164	2.8752	-.00075	-.00286	5.6801	-.00023	.05023	-.00692	.00193
#2	.01709	.00173	2.8856	-.00086	-.00407	5.6702	-.00011	.05011	-.00791	.00262
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00136**	**-.02098**	**-.00029**	**.00815**	**-.00154**
Stddev	.00049	.01444	.00040	.00003	.00036
%RSD	35.834	68.816	135.78	.32480	23.410
#1	-.00102	-.01077	-.00058	.00817	-.00129
#2	-.00171	-.03119	-.00001	.00813	-.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4421.0**	**62570.**	**4368.5**
Stddev	3.1	131.	13.1
%RSD	.06901	.20982	.30067
#1	4423.2	62477.	4359.2
#2	4418.9	62663.	4377.8

Sample Name: sd 280-27144-E-4-A@5 Acquired: 4/2/2012 20:21:05 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**.04113**	**.00181**	**.00213**	**.00317**	**.00008**	**-.00282**	**2.1726**	**.00019**	**-.00002**
Stddev	.00044	.00065	.00395	.00009	.00017	.00000	.00089	.0105	.00019	.00028
%RSD	35.835	1.5699	218.44	4.3464	5.5262	.78640	31.779	.48153	104.56	1257.6
#1	-.00153	.04068	.00460	.00206	.00329	.00008	-.00345	2.1652	.00005	-.00022
#2	-.00091	.04159	-.00099	.00219	.00304	.00008	-.00218	2.1800	.00032	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00249**	**.33622**	**.48649**	**.00221**	**.50497**	**.04494**	**-.00016**	**2.9926**	**.00027**
Stddev	.00003	.00002	.00334	.06612	.00018	.00317	.00010	.00001	.0014	.00058
%RSD	6.2390	.89804	.99364	13.590	8.1356	.62703	.21587	7.1383	.04656	218.82
#1	.00047	.00248	.33386	.53324	.00208	.50273	.04500	-.00015	2.9936	-.00015
#2	.00043	.00251	.33858	.43973	.00234	.50721	.04487	-.00016	2.9916	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00472**	**-.00148**	**.58627**	**-.00277**	W **-.00770**	**1.1361**	**-.00025**	**.01021**	**-.00721**	**.00013**
Stddev	.00328	.00070	.00089	.00091	.00126	.0190	.00078	.00010	.00025	.00028
%RSD	69.376	47.266	.15264	32.854	16.316	1.6682	306.46	1.0198	3.4949	217.30
#1	.00704	-.00197	.58690	-.00213	-.00681	1.1227	.00030	.01014	-.00739	-.00007
#2	.00241	-.00098	.58564	-.00342	-.00859	1.1495	-.00080	.01029	-.00703	.00033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00167**	**-.00638**	**-.00048**	**.00428**	**-.00049**
Stddev	.00247	.00416	.00022	.00011	.00083
%RSD	148.12	65.171	46.309	2.4691	170.07
#1	-.00341	-.00932	-.00064	.00420	.00010
#2	.00008	-.00344	-.00032	.00435	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4443.6**	**62854.**	**4385.0**
Stddev	3.1	104.	20.9
%RSD	.07018	.16517	.47755
#1	4445.8	62781.	4399.8
#2	4441.3	62927.	4370.2

Sample Name: 280-27144-E-4-B MS Acquired: 4/2/2012 20:23:37 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04894**	**2.3831**	**1.0379**	**1.0355**	**2.0098**	**.05021**	**2.0264**	**60.119**	**.10470**	**.48365**
Stddev	.00095	.0115	.0030	.0016	.0053	.00005	.0022	.180	.00038	.00024
%RSD	1.9333	.48030	.28573	.15221	.26466	.10523	.10590	.29976	.36687	.04921
#1	.04961	2.3750	1.0400	1.0344	2.0136	.05017	2.0249	60.246	.10443	.48382
#2	.04828	2.3912	1.0359	1.0366	2.0060	.05025	2.0280	59.991	.10497	.48348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19635**	**.26598**	**2.6064**	**55.306**	**1.0268**	**52.793**	**.71662**	**1.0032**	**65.553**	**.50577**
Stddev	.00051	.00040	.0104	.123	.0008	.044	.00051	.0000	.124	.00043
%RSD	.25913	.15028	.40072	.22324	.07374	.08409	.07048	.00264	.18987	.08539
#1	.19671	.26626	2.6138	55.393	1.0263	52.824	.71698	1.0032	65.465	.50547
#2	.19599	.26570	2.5990	55.219	1.0273	52.762	.71627	1.0031	65.641	.50608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.592**	**.50018**	**2.8727**	**.52175**	**2.0861**	**15.892**	**1.9060**	**1.0883**	**.96219**	**.98902**
Stddev	.007	.00023	.0006	.00096	.0115	.055	.0046	.0027	.00145	.00130
%RSD	.06534	.04634	.01993	.18310	.55007	.34399	.24193	.24563	.15093	.13156
#1	10.597	.50034	2.8723	.52107	2.0942	15.931	1.9027	1.0901	.96116	.98994
#2	10.588	.50001	2.8731	.52243	2.0780	15.854	1.9092	1.0864	.96321	.98810
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9900**	**2.0000**	**.48744**	**.49477**	**.49248**
Stddev	.0062	.0060	.00028	.00068	.00054
%RSD	.31132	.29994	.05738	.13763	.11040
#1	1.9943	2.0043	.48764	.49526	.49210
#2	1.9856	1.9958	.48725	.49429	.49286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4264.1**	**59702.**	**4345.7**
Stddev	2.7	130.	4.3
%RSD	.06218	.21763	.09872
#1	4262.2	59610.	4342.7
#2	4265.9	59794.	4348.7

Sample Name: 280-27144-E-4-C MSD Acquired: 4/2/2012 20:25:55 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113737 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04997**	**2.4010**	**1.0510**	**1.0513**	**2.0386**	**.05108**	**2.0581**	**60.850**	**.10597**	**.49037**
Stddev	.00022	.0026	.0020	.0029	.0065	.00012	.0062	.197	.00058	.00102
%RSD	.43544	.10637	.19406	.27471	.31706	.22764	.30203	.32447	.55086	.20896
#1	.05013	2.3992	1.0496	1.0493	2.0432	.05116	2.0537	60.990	.10556	.48964
#2	.04982	2.4028	1.0525	1.0534	2.0341	.05100	2.0625	60.710	.10638	.49109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19915**	**.26905**	**2.5637**	**56.077**	**1.0413**	**53.525**	**.72610**	**1.0168**	**66.418**	**.51256**
Stddev	.00072	.00130	.0055	.313	.0066	.079	.00070	.0017	.175	.00028
%RSD	.36134	.48140	.21420	.55740	.62891	.14711	.09663	.16614	.26402	.05460
#1	.19864	.26997	2.5675	56.298	1.0459	53.580	.72660	1.0156	66.542	.51236
#2	.19965	.26813	2.5598	55.856	1.0367	53.469	.72561	1.0180	66.294	.51276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.745**	**.50718**	**2.8954**	**.52731**	**2.1111**	**16.104**	**1.9292**	**1.1037**	**.97565**	**1.0009**
Stddev	.014	.00463	.0056	.00149	.0076	.060	.0021	.0040	.00530	.0024
%RSD	.12864	.91293	.19391	.28253	.36176	.36972	.10820	.35811	.54347	.24522
#1	10.736	.50390	2.8915	.52626	2.1165	16.146	1.9277	1.1065	.97940	1.0026
#2	10.755	.51045	2.8994	.52837	2.1057	16.061	1.9307	1.1009	.97190	.99916
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0124**	**2.0548**	**.49464**	**.49979**	**.49687**
Stddev	.0047	.0043	.00108	.00016	.00153
%RSD	.23568	.20862	.21880	.03159	.30813
#1	2.0091	2.0579	.49540	.49968	.49795
#2	2.0158	2.0518	.49387	.49990	.49579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4270.2**	**59776.**	**4332.4**
Stddev	7.9	7.	26.2
%RSD	.18608	.01107	.60570
#1	4264.6	59772.	4313.8
#2	4275.8	59781.	4350.9

Sample Name: CCVH-1338467 Acquired: 4/2/2012 20:28:11 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**49.405**	**.00009**	**.00247**	**-.00080**	**.00006**	**1.0044**	**.00880**	**-.00161**	**.00181**	**.00071**	**.00613**	**50.411**
Stddev	.00050	.032	.00056	.00062	.00024	.00002	.0000	.00054	.00005	.00009	.00011	.00006	.074
%RSD	153.85	.06465	599.10	25.220	30.700	31.994	.00182	6.1105	3.2588	4.8456	15.765	.95608	.14751
#1	.00067	49.382	-.00030	.00291	-.00062	.00008	1.0044	.00918	-.00165	.00175	.00063	.00617	50.463
#2	-.00003	49.427	.00049	.00203	-.00097	.00005	1.0044	.00842	-.00157	.00187	.00079	.00609	50.358
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07045**	**.00324**	**-.04907**	**-.00102**	**-.00035**	**256.35**	**.00158**	**.00716**	**.00043**	**5.3828**	**-.00654**	**-.00742**	**.01730**
Stddev	.02608	.00140	.00619	.00006	.00021	.09	.00019	.00179	.00165	.0074	.00003	.00349	.00104
%RSD	37.011	43.147	12.625	5.4819	60.229	.03368	11.988	24.983	385.94	.13728	.39758	47.062	5.9939
#1	-.05202	.00225	-.05345	-.00105	-.00049	256.29	.00171	.00843	.00160	5.3776	-.00655	-.00988	.01804
#2	-.08889	.00422	-.04469	-.00098	-.00020	256.41	.00144	.00590	-.00074	5.3880	-.00652	-.00495	.01657
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00285**	**.00039**	**4.8730**	**.00187**	**.00385**	**9.9812**	**.00792**	**.00249**	**-.02143**
Stddev	.00172	.00002	.0006	.00010	.00259	.0145	.00126	.00019	.00177
%RSD	60.206	5.3472	.01142	5.3125	67.168	.14527	15.925	7.7201	8.2774
#1	.00164	.00041	4.8726	.00194	.00202	9.9709	.00703	.00262	-.02018
#2	.00407	.00038	4.8734	.00180	.00568	9.9914	.00881	.00235	-.02269
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4337.3**	**60165.**	**4352.7**
Stddev	3.5	133.	12.2
%RSD	.08025	.22140	.27915
#1	4339.8	60259.	4361.3
#2	4334.9	60071.	4344.1

Sample Name: CCV-1338469 Acquired: 4/2/2012 20:30:40 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50878**	F **.57274**	**1.0616**	**.53371**	**.50773**	**.51130**	**-.00149**	**5.1525**	**.52682**	**.51074**	**.50278**	**.53899**
Stddev	.00083	.00434	.0001	.00027	.00033	.00141	.00046	.0564	.00104	.00114	.00070	.00059
%RSD	.16407	.75741	.00779	.05146	.06476	.27638	31.023	1.0938	.19812	.22314	.13841	.10957
#1	.50937	.56968	1.0617	.53390	.50750	.51230	-.00182	5.1126	.52755	.51154	.50327	.53941
#2	.50819	.57581	1.0616	.53351	.50796	.51030	-.00116	5.1923	.52608	.50993	.50228	.53857
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5741**	**53.274**	**1.0458**	**21.322**	**.51170**	**.50962**	**5.4079**	**.52757**	**1.0741**	**1.0500**	**-.00172**	**1.0723**
Stddev	.0429	.074	.0025	.026	.00125	.00133	.3308	.00017	.0033	.0017	.00220	.0065
%RSD	1.6659	.13916	.24298	.11983	.24405	.26010	6.1162	.03266	.30304	.15732	128.33	.60792
#1	2.5438	53.326	1.0476	21.340	.51258	.51056	5.1740	.52769	1.0764	1.0511	-.00016	1.0769
#2	2.6044	53.221	1.0440	21.304	.51081	.50869	5.6418	.52745	1.0718	1.0488	-.00327	1.0677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1027**	**5.1670**	**.98665**	**.52921**	**-.00641**	**.49478**	**1.0763**	**.00510**	**.48773**	**.51304**	**.50506**
Stddev	.0092	.0038	.00239	.00079	.00176	.00116	.0034	.00658	.00083	.00110	.00134
%RSD	.83108	.07377	.24194	.14951	27.444	.23400	.31441	129.22	.16952	.21523	.26489
#1	1.1092	5.1697	.98834	.52977	-.00765	.49560	1.0787	.00975	.48832	.51382	.50601
#2	1.0963	5.1643	.98496	.52865	-.00516	.49396	1.0739	.00044	.48715	.51226	.50412
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000										
Range	10.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4408.3**	**61818.**	**4354.9**
Stddev	.1	257.	28.5
%RSD	.00246	.41619	.65540
#1	4408.4	61636.	4334.7
#2	4408.2	62000.	4375.1

Sample Name: CCB Acquired: 4/2/2012 20:33:02 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00165**	**-.00075**	**.00172**	**.00030**	W **-.00093**	**.00006**	**-.00234**	**.00073**	**.00028**	**-.00026**
Stddev	.00018	.00111	.00119	.00047	.00018	.00001	.00107	.00386	.00014	.00000
%RSD	10.969	149.06	68.984	156.19	18.851	10.921	45.907	530.05	49.511	.45430
#1	-.00152	-.00153	.00256	-.00003	-.00105	.00006	-.00158	.00346	.00018	-.00026
#2	-.00177	.00004	.00088	.00063	-.00080	.00007	-.00310	-.00200	.00037	-.00026
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	W **.00247**	**-.00455**	**-.17342**	**.00234**	F **-.02188**	F **-.00057**	**.00081**	**.02639**	**-.00001**
Stddev	.00020	.00008	.00038	.05098	.00105	.00060	.00002	.00011	.00403	.00009
%RSD	87.150	3.2716	8.3841	29.396	45.050	2.7404	3.8351	13.167	15.284	917.56
#1	-.00037	.00253	-.00428	-.13737	.00159	-.02145	-.00058	.00073	.02924	.00006
#2	-.00009	.00242	-.00482	-.20946	.00308	-.02230	-.00055	.00088	.02354	-.00008
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.02140	.00051			
Low Limit		-.00136				-.02140	-.00051			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00064**	**-.00337**	W **.00564**	**-.00416**	**-.00071**	**.00067**	**.00011**	**-.00825**	W **-.00061**
Stddev	.00241	.00032	.00271	.00155	.00071	.01085	.00015	.00016	.00029	.00047
%RSD	945.95	49.913	80.385	27.557	17.061	1528.2	22.145	143.80	3.5642	76.877
#1	-.00196	.00042	-.00146	.00454	-.00466	-.00838	.00057	.00023	-.00804	-.00095
#2	.00145	.00087	-.00529	.00674	-.00366	.00696	.00078	.00000	-.00846	-.00028
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00314						.00060
Low Limit				-.00314						-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**-.00866**	**-.00074**	**.00170**	**.00108**
Stddev	.00163	.00481	.00001	.00030	.00144
%RSD	237.61	55.577	1.2749	17.877	133.74
#1	-.00047	-.01206	-.00075	.00148	.00210
#2	.00184	-.00526	-.00073	.00191	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4408.9**	**62564.**	**4337.2**
Stddev	.1	190.	20.0
%RSD	.00228	.30307	.46076
#1	4409.0	62698.	4323.1
#2	4408.9	62430.	4351.3

Sample Name: CCVL1341782 Acquired: 4/2/2012 20:35:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00882**	**.11657**	**.01411**	**.10472**	**.00925**	**.00102**	**.10996**	**.20865**	**.00536**	**.01031**	**.01004**
Stddev	.00016	.00021	.00207	.00013	.00083	.00004	.00240	.00852	.00005	.00001	.00006
%RSD	1.7875	.18225	14.682	.12141	9.0276	4.0297	2.1841	4.0843	.90086	.12888	.58843
#1	.00893	.11642	.01558	.10463	.00866	.00105	.10827	.21467	.00533	.01032	.01008
#2	.00871	.11672	.01265	.10481	.00984	.00099	.11166	.20262	.00539	.01031	.01000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01881**	**.09874**	**3.0695**	W **.01290**	**.19314**	**.00997**	**.02039**	**1.0373**	**.04288**	**3.1281**	**.01061**
Stddev	.00019	.00017	.0257	.00156	.00354	.00008	.00002	.0122	.00009	.0024	.00031
%RSD	1.0273	.17065	.83754	12.119	1.8305	.75757	.09332	1.1746	.22033	.07721	2.9446
#1	.01895	.09862	3.0513	.01179	.19064	.00991	.02038	1.0459	.04294	3.1298	.01083
#2	.01867	.09886	3.0876	.01400	.19564	.01002	.02040	1.0287	.04281	3.1264	.01039
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00213**	**.01071**	**.01524**	**.50701**	**.09948**	**.01057**	F **.00625**	**.00947**	**.01639**	F **.03447**	**.00864**
Stddev	.00757	.00100	.00276	.00198	.00048	.00005	.00032	.00015	.00005	.00071	.00049
%RSD	355.49	9.3330	18.131	.39052	.48268	.43683	5.1737	1.5993	.27996	2.0724	5.6617
#1	-.00748	.01142	.01720	.50841	.09982	.01054	.00602	.00958	.01636	.03497	.00830
#2	.00322	.01000	.01329	.50561	.09914	.01061	.00648	.00937	.01642	.03396	.00899
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.01500			.06000	
Range							-30.000%			-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02324**	**.01505**
Stddev	.00017	.00015
%RSD	.75127	1.0190
#1	.02336	.01516
#2	.02312	.01495
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4451.4**	**63144.**	**4366.6**
Stddev	3.4	76.	6.1
%RSD	.07700	.12031	.14014
#1	4453.8	63090.	4362.3
#2	4448.9	63198.	4371.0

Sample Name: MB 280-113753/1-A Acquired: 4/2/2012 20:38:11 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.00133**	**-.00047**	**-.00063**	**-.00091**	**-.00001**	**-.00349**	**.01194**	**.00032**	**-.00032**
Stddev	.00020	.00116	.00170	.00045	.00000	.00007	.00069	.00333	.00001	.00015
%RSD	18.833	86.591	359.01	72.015	.27013	1009.7	19.811	27.903	4.0691	47.505
#1	-.00094	.00052	.00073	-.00095	-.00091	-.00005	-.00398	.00958	.00033	-.00043
#2	-.00123	.00215	-.00167	-.00031	-.00091	.00004	-.00300	.01430	.00031	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00276**	**.00019**	**-.08700**	**.00091**	**-.02085**	**-.00050**	**-.00014**	**.00964**	**-.00012**
Stddev	.00022	.00028	.00111	.01600	.00009	.00158	.00002	.00009	.02244	.00001
%RSD	244.48	10.253	570.43	18.389	10.004	7.5633	4.3162	67.515	232.79	6.8952
#1	-.00025	.00256	-.00059	-.09831	.00084	-.02197	-.00049	-.00007	-.00623	-.00011
#2	.00007	.00296	.00098	-.07569	.00097	-.01974	-.00052	-.00020	.02551	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**-.00059**	**.00282**	**.00146**	**-.00173**	**.00438**	**-.00004**	**.00013**	W **-.00643**	**-.00063**
Stddev	.00258	.00072	.00275	.00178	.00533	.00663	.00043	.00004	.00005	.00034
%RSD	218.11	123.13	97.266	122.36	307.29	151.44	1043.4	31.534	.75136	54.025
#1	-.00301	-.00008	.00088	.00020	-.00550	.00906	.00026	.00010	-.00646	-.00087
#2	.00064	-.00109	.00476	.00272	.00203	-.00031	-.00035	.00015	-.00640	-.00039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00500	
Low Limit									-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**-.01924**	**-.00101**	**.00388**	**-.00056**
Stddev	.00136	.00163	.00004	.00051	.00209
%RSD	454.63	8.4612	4.4300	13.020	375.04
#1	.00066	-.01809	-.00098	.00352	-.00204
#2	-.00126	-.02039	-.00104	.00424	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4428.1**	**63083.**	**4372.4**
Stddev	8.2	77.	15.2
%RSD	.18526	.12136	.34802
#1	4422.3	63028.	4383.1
#2	4433.9	63137.	4361.6

Sample Name: LCS 280-113753/2-A Acquired: 4/2/2012 20:40:47 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04955**	F **2.1882**	**1.0608**	**1.0466**	**2.0407**	**.05210**	**2.0732**	**50.830**	**.10736**	**.49751**
Stddev	.00032	.0095	.0024	.0013	.0009	.00003	.0010	.087	.00008	.00039
%RSD	.64806	.43660	.22489	.12121	.04535	.06590	.04741	.17061	.07544	.07886
#1	.04932	2.1815	1.0591	1.0457	2.0413	.05212	2.0725	50.891	.10742	.49779
#2	.04978	2.1950	1.0625	1.0475	2.0400	.05208	2.0739	50.769	.10730	.49724
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.1600								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20179**	**.27267**	F **1.1416**	**54.101**	**1.0583**	**52.037**	**.51536**	**1.0312**	**52.703**	**.52170**
Stddev	.00002	.00012	.0029	.011	.0004	.002	.00043	.0005	.284	.00057
%RSD	.00754	.04458	.25711	.01978	.04285	.00362	.08431	.05130	.53901	.10991
#1	.20181	.27258	1.1395	54.108	1.0586	52.038	.51566	1.0316	52.502	.52211
#2	.20178	.27275	1.1436	54.093	1.0580	52.035	.51505	1.0308	52.903	.52130
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1400							
Low Limit			.88000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.865**	**.51431**	**.00079**	**.53707**	**2.1490**	**10.466**	**1.9449**	**1.0742**	**.97877**	**1.0026**
Stddev	.019	.00084	.00123	.00338	.0045	.015	.0008	.0009	.00122	.0002
%RSD	.17284	.16308	154.89	.62992	.21019	.13880	.04006	.08714	.12496	.01695
#1	10.852	.51490	-.00008	.53468	2.1522	10.456	1.9443	1.0749	.97963	1.0025
#2	10.878	.51372	.00166	.53946	2.1458	10.476	1.9454	1.0736	.97790	1.0027
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0571**	**2.0688**	**.49583**	**.51243**	**.50367**
Stddev	.0002	.0101	.00019	.00019	.00139
%RSD	.00900	.48978	.03829	.03802	.27560
#1	2.0572	2.0616	.49596	.51257	.50269
#2	2.0570	2.0759	.49570	.51230	.50465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4261.2**	**60062.**	**4298.2**
Stddev	7.9	156.	10.9
%RSD	.18561	.25980	.25324
#1	4255.6	59951.	4290.5
#2	4266.8	60172.	4305.9

Sample Name: 280-27139-E-1-A Acquired: 4/2/2012 20:43:05 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.00473**	**-.00192**	**.09201**	**.00677**	**-.00005**	**-.00599**	**490.28**	**.00065**	**.00082**
Stddev	.00032	.00134	.00619	.00185	.00047	.00011	.00440	2.73	.00006	.00041
%RSD	21.308	28.254	322.21	2.0105	6.9834	213.82	73.393	.55620	9.1969	50.582
#1	-.00128	.00379	-.00630	.09332	.00643	-.00013	-.00910	492.21	.00069	.00052
#2	-.00173	.00568	.00246	.09070	.00710	.00003	-.00288	488.36	.00060	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00494**	**4.3257**	**12.108**	**.13428**	**492.49**	**.73787**	**.00257**	W **577.83**	**.00372**
Stddev	.00018	.00042	.0206	.044	.00030	1.02	.00105	.00126	1.15	.00063
%RSD	20.542	8.5065	.47690	.36260	.22433	.20683	.14171	49.267	.19975	17.052
#1	.00073	.00524	4.3111	12.077	.13407	491.77	.73713	.00167	577.01	.00327
#2	.00098	.00465	4.3403	12.139	.13449	493.21	.73861	.00346	578.65	.00417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02920**	W **-.00303**	**1274.3**	**-.00033**	**.00778**	**4.3203**	**.00206**	W **11.548**	**-.00909**	**-.00179**
Stddev	.00375	.00216	6.3	.00027	.00305	.0217	.00370	.009	.00013	.00030
%RSD	12.844	71.348	.49264	80.946	39.221	.50297	179.66	.07954	1.4569	16.783
#1	.02655	-.00456	1278.7	-.00052	.00562	4.3049	-.00056	11.542	-.00918	-.00158
#2	.03185	-.00150	1269.8	-.00014	.00993	4.3357	.00468	11.555	-.00900	-.00200
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit		10.000						10.000		
Low Limit		-.00300						-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.02246**	**.00200**	**.00941**	**.00063**
Stddev	.00168	.00088	.00031	.00030	.00220
%RSD	454.97	3.8974	15.399	3.2332	348.43
#1	-.00082	-.02308	.00221	.00920	-.00092
#2	.00155	-.02184	.00178	.00963	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3868.4**	**54016.**	**4169.1**
Stddev	1.4	128.	13.3
%RSD	.03492	.23715	.31838
#1	3869.4	54106.	4159.7
#2	3867.5	53925.	4178.5

Sample Name: 280-27139-E-2-A Acquired: 4/2/2012 20:46:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00221**	**.01555**	**-.00193**	**.07789**	**.00666**	**-.00007**	**-.00754**	**406.54**	**.00081**	**.00154**
Stddev	.00010	.00093	.00175	.00052	.00003	.00006	.00090	5.44	.00001	.00011
%RSD	4.3217	5.9935	90.745	.67083	.52014	98.720	11.885	1.3382	1.0062	6.9842
#1	-.00228	.01490	-.00317	.07826	.00668	-.00011	-.00818	402.69	.00082	.00146
#2	-.00214	.01621	-.00069	.07752	.00663	-.00002	-.00691	410.38	.00080	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.00489**	**.05682**	**9.6833**	**.03478**	W **551.20**	**.01306**	**.00203**	W **765.63**	**.00068**
Stddev	.00002	.00028	.00200	.0629	.00047	4.90	.00005	.00029	1.55	.00040
%RSD	1.6836	5.6932	3.5169	.64949	1.3560	.88947	.34527	14.312	.20206	58.279
#1	.00092	.00469	.05823	9.6388	.03445	554.67	.01309	.00224	766.72	.00096
#2	.00095	.00509	.05541	9.7278	.03512	547.74	.01303	.00183	764.53	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01550**	**-.00200**	**1457.5**	**-.00323**	**.00728**	**3.8076**	**-.00054**	**7.0712**	**-.00989**	**-.00225**
Stddev	.00205	.00107	4.3	.00029	.00269	.0092	.00070	.0180	.00020	.00014
%RSD	13.223	53.790	.29552	8.9544	36.970	.24162	128.94	.25496	2.0676	6.0904
#1	.01405	-.00276	1460.6	-.00303	.00537	3.8011	-.00104	7.0839	-.00975	-.00234
#2	.01695	-.00124	1454.5	-.00344	.00918	3.8141	-.00005	7.0584	-.01004	-.00215
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.01132**	**.00274**	**.00745**	**-.00094**
Stddev	.00179	.01481	.00076	.00063	.00088
%RSD	894.52	130.89	27.606	8.5201	93.017
#1	-.00147	.00084	.00220	.00790	-.00032
#2	.00107	.02179	.00327	.00700	-.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3849.9**	**53209.**	**4170.7**
Stddev	6.7	247.	11.9
%RSD	.17322	.46421	.28559
#1	3854.6	53035.	4162.3
#2	3845.2	53384.	4179.1

Sample Name: 280-27139-E-3-A Acquired: 4/2/2012 20:50:12 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00182**	**.00277**	**.00116**	**.10339**	**.01234**	**-.00005**	**-.00590**	**413.33**	**.00084**	**.00165**
Stddev	.00052	.00053	.00286	.00072	.00028	.00007	.00136	1.41	.00005	.00001
%RSD	28.301	19.292	245.93	.69428	2.2389	139.44	23.078	.34037	6.4027	.55002
#1	-.00146	.00315	.00319	.10390	.01254	-.00010	-.00493	412.33	.00080	.00166
#2	-.00219	.00239	-.00086	.10289	.01215	.00000	-.00686	414.32	.00088	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00773**	**.77477**	**24.884**	**.05785**	W **1663.6**	**.40687**	**.00534**	W **2507.3**	**.00705**
Stddev	.00002	.00008	.00140	.260	.00082	5.3	.00068	.00001	6.8	.00019
%RSD	4.2051	1.0518	.18121	1.0460	1.4095	.31631	.16595	.10004	.27050	2.6780
#1	.00050	.00767	.77378	24.700	.05727	1667.3	.40735	.00534	2502.5	.00692
#2	.00047	.00779	.77577	25.068	.05842	1659.8	.40639	.00533	2512.1	.00718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04092**	W **-.00437**	**2971.1**	**-.00237**	**.10810**	**4.4873**	**-.00136**	W **18.085**	W **-.01200**	W **-.01220**
Stddev	.00530	.00009	11.6	.00361	.00657	.0301	.00076	.034	.00078	.00011
%RSD	12.955	2.1430	.38928	152.79	6.0789	.67027	55.846	.18543	6.5308	.86635
#1	.04467	-.00431	2979.3	.00019	.10346	4.4661	-.00190	18.061	-.01256	-.01213
#2	.03717	-.00444	2962.9	-.00492	.11275	4.5086	-.00082	18.108	-.01145	-.01228
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn
High Limit		10.000						10.000	45.000	10.000
Low Limit		-.00300						-.01000	-.01000	-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00334**	**.07353**	**.00344**	**.00618**	**-.00146**
Stddev	.00047	.04306	.00022	.00049	.00097
%RSD	14.190	58.569	6.5304	7.9162	66.159
#1	-.00368	.04308	.00360	.00653	-.00078
#2	-.00300	.10398	.00328	.00584	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3570.5**	**49430.**	**4088.0**
Stddev	2.2	26.	6.3
%RSD	.06301	.05217	.15388
#1	3568.9	49412.	4092.4
#2	3572.1	49449.	4083.5

Sample Name: sd 280-27139-E-3-A@5 Acquired: 4/2/2012 20:53:48 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**-.00017**	**-.00165**	**.02080**	**.00189**	**.00001**	**-.00533**	**87.538**	**.00060**	**.00023**
Stddev	.00048	.00159	.00065	.00042	.00036	.00002	.00059	.193	.00009	.00025
%RSD	41.235	906.58	39.188	2.0165	19.212	107.99	11.006	.22006	14.735	105.73
#1	-.00082	-.00130	-.00119	.02109	.00214	.00003	-.00492	87.674	.00066	.00041
#2	-.00150	.00095	-.00210	.02050	.00163	.00000	-.00575	87.402	.00054	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00450**	**.16321**	**4.6043**	**.01055**	**353.65**	**.08342**	**.00060**	**494.76**	**.00159**
Stddev	.00001	.00067	.00020	.0034	.00015	3.28	.00019	.00010	.19	.00041
%RSD	1.3243	14.797	.12535	.07272	1.3896	.92730	.22571	16.507	.03861	25.834
#1	.00042	.00497	.16335	4.6067	.01044	355.97	.08355	.00053	494.89	.00188
#2	.00041	.00403	.16306	4.6019	.01065	351.33	.08328	.00067	494.62	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**-.00100**	**751.52**	**.00085**	**.01413**	**.89492**	**-.00133**	**3.7099**	**-.00990**	**-.00322**
Stddev	.00002	.00092	1.74	.00130	.00746	.00725	.00047	.0023	.00150	.00036
%RSD	.20855	91.565	.23137	153.24	52.769	.81027	35.501	.06127	15.176	11.252
#1	.01091	-.00165	752.75	-.00007	.01940	.88979	-.00099	3.7115	-.00883	-.00297
#2	.01088	-.00035	750.29	.00177	.00886	.90004	-.00166	3.7083	-.01096	-.00348
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.01565**	**.00230**	**.00348**	**-.00103**
Stddev	.00149	.01617	.00007	.00062	.00105
%RSD	306.84	103.29	3.0539	17.701	101.06
#1	-.00057	-.00422	.00226	.00305	-.00177
#2	.00153	-.02709	.00235	.00392	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4029.6**	**55954.**	**4228.9**
Stddev	8.0	111.	16.4
%RSD	.19783	.19922	.38689
#1	4035.2	55876.	4217.3
#2	4024.0	56033.	4240.4

Sample Name: CCVH-1338467 Acquired: 4/2/2012 20:56:29 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**49.894**	**-.00327**	**.00008**	**-.00075**	**.00007**	**1.0023**	**.04526**	**-.00159**	**.00185**	**.00056**	**.00697**	**51.232**
Stddev	.00034	.016	.00389	.00039	.00005	.00002	.0047	.01371	.00015	.00008	.00011	.00043	.031
%RSD	47.210	.03142	118.98	495.36	7.0096	27.219	.47238	30.299	9.3489	4.1580	19.011	6.1598	.05977
#1	.00096	49.882	-.00052	.00035	-.00071	.00005	1.0056	.05495	-.00170	.00180	.00048	.00666	51.211
#2	.00048	49.905	-.00602	-.00020	-.00079	.00008	.99891	.03556	-.00149	.00191	.00063	.00727	51.254
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02304**	**.00346**	**.00554**	**-.00102**	**-.00140**	**259.60**	**.00187**	**.00414**	**.00087**	**5.6513**	**-.00507**	**-.00685**	**.00152**
Stddev	.05115	.00233	.00544	.00002	.00020	.36	.00016	.00132	.00251	.0290	.00099	.00153	.00305
%RSD	221.98	67.150	98.237	1.6908	14.262	.13944	8.6823	31.809	289.48	.51223	19.451	22.347	200.05
#1	-.01313	.00182	.00938	-.00103	-.00154	259.86	.00198	.00321	-.00091	5.6718	-.00438	-.00577	.00368
#2	.05921	.00511	.00169	-.00101	-.00126	259.35	.00175	.00507	.00264	5.6309	-.00577	-.00793	-.00063
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**.00187**	**4.8648**	**.00200**	**.00113**	**10.070**	**.00809**	**.00200**	**-.01602**
Stddev	.00011	.00050	.0093	.00024	.00133	.042	.00021	.00023	.00367
%RSD	5.0377	26.495	.19032	11.834	117.93	.41923	2.5791	11.551	22.903
#1	.00227	.00222	4.8713	.00217	.00207	10.100	.00794	.00184	-.01862
#2	.00212	.00152	4.8582	.00184	.00019	10.040	.00824	.00216	-.01343
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4326.5**	**60100.**	**4313.2**
Stddev	2.5	114.	11.6
%RSD	.05762	.18991	.27004
#1	4328.3	60020.	4321.4
#2	4324.7	60181.	4305.0

Sample Name: CCV-1338469 Acquired: 4/2/2012 20:58:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50248**	F **.58385**	**1.0694**	**.53550**	**.50987**	**.51815**	**.00018**	**5.1467**	**.52916**	**.51196**	**.50430**	**.53962**
Stddev	.00087	.00437	.0018	.00095	.00023	.00001	.00207	.0106	.00076	.00179	.00192	.00108
%RSD	.17382	.74817	.16416	.17719	.04534	.00154	1143.4	.20608	.14335	.34935	.38039	.19931
#1	.50310	.58076	1.0682	.53483	.50970	.51814	.00165	5.1392	.52862	.51069	.50294	.54038
#2	.50186	.58694	1.0706	.53617	.51003	.51815	-.00128	5.1542	.52969	.51322	.50566	.53886
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5850**	**54.208**	**1.0627**	**21.438**	**.51286**	**.51317**	F **5.6396**	**.53382**	**1.0850**	**1.0543**	**.08416**	**1.0823**
Stddev	.0070	.007	.0003	.032	.00097	.00163	.0549	.00178	.0038	.0059	.00047	.0006
%RSD	.27229	.01237	.02420	.15006	.18823	.31795	.97346	.33313	.35415	.56023	.55933	.05813
#1	2.5900	54.213	1.0629	21.460	.51354	.51201	5.6784	.53256	1.0823	1.0501	.08382	1.0818
#2	2.5800	54.203	1.0625	21.415	.51217	.51432	5.6007	.53507	1.0877	1.0585	.08449	1.0827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1148**	**5.2384**	**.98023**	**.53765**	**-.00687**	**.49158**	**1.0759**	**.00198**	**.48376**	**.51244**	**.50994**
Stddev	.0027	.0403	.00258	.00011	.00033	.00008	.0012	.02295	.00057	.00035	.00176
%RSD	.24092	.76878	.26312	.01991	4.8631	.01714	.10763	1161.0	.11818	.06786	.34533
#1	1.1129	5.2668	.97841	.53773	-.00710	.49164	1.0751	.01820	.48335	.51219	.50870
#2	1.1167	5.2099	.98206	.53758	-.00663	.49152	1.0767	-.01425	.48416	.51269	.51119
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000										
Range	10.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4390.8**	**61845.**	**4323.3**
Stddev	16.2	78.	14.4
%RSD	.36979	.12680	.33372
#1	4402.3	61790.	4313.1
#2	4379.4	61901.	4333.5

Sample Name: CCB Acquired: 4/2/2012 21:01:19 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00179**	**-.00143**	**.00400**	**-.00126**	W **-.00111**	**.00014**	**-.00166**	**.00350**	**.00014**	**-.00040**
Stddev	.00026	.00025	.00065	.00015	.00034	.00002	.00371	.00003	.00007	.00004
%RSD	14.546	17.527	16.140	11.740	30.948	13.879	224.10	.85146	49.638	9.3515
#1	-.00161	-.00161	.00354	-.00116	-.00135	.00013	-.00428	.00352	.00009	-.00038
#2	-.00198	-.00126	.00446	-.00137	-.00086	.00016	.00097	.00348	.00020	-.00043
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	W **.00271**	**-.00362**	**-.03036**	**.00246**	W **-.01324**	W **-.00046**	**.00052**	F **.42446**	**.00002**
Stddev	.00001	.00025	.00197	.06464	.00283	.00028	.00003	.00021	.00777	.00018
%RSD	6.0818	9.3023	54.418	212.93	115.12	2.0971	5.7777	39.571	1.8303	844.81
#1	-.00009	.00254	-.00502	-.07606	.00446	-.01305	-.00047	.00067	.42995	.00015
#2	-.00010	.00289	-.00223	.01535	.00046	-.01344	-.00044	.00038	.41897	-.00011
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00025		.10000	
Low Limit		-.00136				-.01070	-.00025		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00042**	**.06138**	**.00259**	W **-.00561**	**.00563**	**.00014**	**.00020**	**-.00662**	**-.00021**
Stddev	.00042	.00030	.00212	.00086	.00598	.01190	.00009	.00003	.00004	.00005
%RSD	150.14	71.550	3.4523	33.197	106.47	211.52	62.815	15.412	.56912	24.912
#1	.00057	.00021	.06288	.00198	-.00139	-.00279	.00008	.00018	-.00664	-.00024
#2	-.00002	.00064	.05989	.00320	-.00984	.01404	.00020	.00022	-.00659	-.00017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00486					
Low Limit					-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00097**	**-.00089**	**.00150**	**.00024**
Stddev	.00166	.00202	.00001	.00001	.00125
%RSD	183.48	208.51	.69018	.53790	511.29
#1	.00208	.00240	-.00089	.00151	-.00064
#2	-.00027	-.00046	-.00090	.00150	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4392.6**	**62563.**	**4281.2**
Stddev	5.4	240.	8.9
%RSD	.12327	.38384	.20733
#1	4388.8	62733.	4287.5
#2	4396.4	62393.	4274.9

Sample Name: CCVL1341782 Acquired: 4/2/2012 21:03:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00909**	W **.12937**	**.01443**	**.10504**	**.00992**	**.00105**	**.11246**	F **.26998**	**.00559**	**.01042**	**.01034**
Stddev	.00026	.00079	.00220	.00070	.00000	.00001	.00079	.00139	.00005	.00003	.00020
%RSD	2.8261	.61272	15.279	.67088	.04250	1.1129	.70489	.51317	.88622	.29550	1.9565
#1	.00927	.12881	.01599	.10454	.00992	.00106	.11190	.27096	.00562	.01045	.01049
#2	.00891	.12993	.01287	.10554	.00993	.00104	.11302	.26900	.00555	.01040	.01020
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.10000						.20000			
Range		20.000%						30.000%			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.02047**	W **.12058**	**3.2723**	F **.01429**	**.21582**	**.01054**	**.02064**	F **1.4643**	**.04439**	**3.2241**	**.00915**
Stddev	.00019	.00081	.0036	.00002	.00020	.00003	.00038	.0224	.00006	.0058	.00165
%RSD	.92646	.67513	.11036	.16592	.09477	.25062	1.8482	1.5315	.12519	.18016	18.016
#1	.02061	.12000	3.2749	.01427	.21567	.01056	.02091	1.4801	.04435	3.2282	.01031
#2	.02034	.12115	3.2698	.01431	.21596	.01052	.02037	1.4484	.04443	3.2200	.00798
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500	.10000		.01000				1.0000			
Range	30.000%	20.000%		30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06506**	W **.01215**	**.01265**	**.51927**	**.10503**	**.01128**	F **.00777**	**.00947**	**.01629**	W **.07481**	**.00914**
Stddev	.00904	.00016	.00318	.01853	.00022	.00020	.00108	.00010	.00035	.00412	.00082
%RSD	13.891	1.3450	25.109	3.5677	.20558	1.7375	13.864	1.1081	2.1318	5.5092	9.0097
#1	.07145	.01203	.01040	.53237	.10518	.01142	.00701	.00940	.01653	.07190	.00856
#2	.05867	.01226	.01490	.50617	.10488	.01115	.00853	.00954	.01604	.07773	.00972
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value		.01000					.01500			.06000	
Range		20.000%					-30.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **.02903**	**.01712**
Stddev	.00011	.00148
%RSD	.39078	8.6389
#1	.02911	.01817
#2	.02895	.01607
Check ?	Chk Fail	Chk Pass
Value	.02000	
Range	30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4449.2**	**62977.**	**4331.6**
Stddev	5.9	262.	30.5
%RSD	.13152	.41542	.70443
#1	4445.1	62792.	4310.0
#2	4453.4	63162.	4353.2

Sample Name: 280-27139-E-3-B MS Acquired: 4/2/2012 21:06:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05627**	**1.9838**	**1.1530**	**1.0762**	**2.0636**	**.05022**	**2.0688**	**456.88**	**.11396**	**.46119**
Stddev	.00118	.0103	.0127	.0021	.0006	.00025	.0007	3.65	.00004	.00017
%RSD	2.1042	.51732	1.1051	.19648	.02645	.49197	.03599	.79950	.03731	.03662
#1	.05544	1.9765	1.1440	1.0747	2.0632	.05004	2.0682	459.46	.11399	.46131
#2	.05711	1.9910	1.1620	1.0777	2.0640	.05039	2.0693	454.30	.11393	.46107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19507**	**.28779**	**1.7471**	**84.962**	**1.1923**	W **1674.7**	**.91066**	**.99890**	W **2537.7**	**.48396**
Stddev	.00002	.00016	.0051	.216	.0028	.9	.00012	.00084	3.6	.00083
%RSD	.00782	.05485	.29339	.25481	.23751	.05267	.01268	.08391	.14047	.17130
#1	.19506	.28768	1.7435	84.809	1.1903	1675.3	.91074	.99830	2535.2	.48338
#2	.19508	.28790	1.7507	85.115	1.1943	1674.0	.91058	.99949	2540.2	.48455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.017**	**.44791**	**2960.9**	**.55670**	**2.6358**	**15.067**	**1.7461**	W **19.266**	**.98255**	**.98478**
Stddev	.004	.00247	4.4	.00215	.0163	.029	.0025	.002	.00307	.00140
%RSD	.03394	.55077	.15008	.38531	.61926	.18929	.14544	.00866	.31214	.14241
#1	12.014	.44617	2957.8	.55822	2.6242	15.047	1.7443	19.267	.98038	.98577
#2	12.020	.44966	2964.0	.55519	2.6473	15.087	1.7479	19.265	.98472	.98379
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6396**	**2.0135**	**.50072**	**.48615**	**.50106**
Stddev	.0033	.0171	.00010	.00189	.00211
%RSD	.20019	.85118	.01990	.38942	.42044
#1	1.6372	2.0256	.50065	.48749	.50255
#2	1.6419	2.0014	.50079	.48481	.49957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3566.5**	**49675.**	**4093.0**
Stddev	6.7	106.	5.2
%RSD	.18897	.21253	.12708
#1	3571.3	49750.	4089.3
#2	3561.7	49600.	4096.6

Sample Name: 280-27139-E-3-C MSD Acquired: 4/2/2012 21:09:50 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05603**	**1.9872**	**1.1621**	**1.0785**	**2.0823**	**.05054**	**2.0804**	**454.97**	**.11432**	**.46179**
Stddev	.00011	.0093	.0046	.0032	.0026	.00019	.0116	2.51	.00071	.00131
%RSD	.19629	.46847	.39201	.29495	.12633	.37393	.55676	.55096	.62294	.28280
#1	.05611	1.9938	1.1653	1.0808	2.0842	.05068	2.0885	453.19	.11482	.46272
#2	.05595	1.9806	1.1589	1.0763	2.0804	.05041	2.0722	456.74	.11381	.46087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19549**	**.28972**	**1.7453**	**85.735**	**1.2019**	W **1656.3**	**.90748**	**1.0002**	W **2515.7**	**.48610**
Stddev	.00012	.00103	.0133	.074	.0026	3.2	.00100	.0030	1.9	.00136
%RSD	.06062	.35512	.76300	.08575	.21705	.19430	.10986	.30435	.07696	.27884
#1	.19557	.28899	1.7547	85.683	1.2037	1658.6	.90818	1.0023	2517.0	.48706
#2	.19540	.29044	1.7358	85.786	1.2000	1654.0	.90677	.99800	2514.3	.48514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.054**	**.44939**	**2925.2**	**.55871**	**2.6524**	**15.117**	**1.7435**	W **19.066**	**.98342**	**.98830**
Stddev	.032	.00148	6.8	.00345	.0056	.046	.0150	.043	.00467	.00107
%RSD	.26217	.32867	.23289	.61773	.21249	.30291	.85884	.22451	.47455	.10868
#1	12.076	.45044	2930.1	.56115	2.6564	15.085	1.7541	19.035	.98672	.98906
#2	12.031	.44835	2920.4	.55627	2.6484	15.149	1.7329	19.096	.98012	.98754
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6464**	**2.0069**	**.50286**	**.48386**	**.50649**
Stddev	.0067	.0300	.00155	.00089	.00129
%RSD	.41006	1.4921	.30750	.18315	.25385
#1	1.6512	1.9857	.50395	.48449	.50558
#2	1.6416	2.0281	.50177	.48324	.50740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3595.2**	**50181.**	**4113.3**
Stddev	4.4	31.	14.0
%RSD	.12275	.06240	.34041
#1	3592.1	50158.	4123.2
#2	3598.3	50203.	4103.4

Sample Name: 280-27139-E-4-A Acquired: 4/2/2012 21:13:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00200**	**.00691**	**-.00245**	**.10453**	**.01255**	**-.00012**	**-.00795**	**411.62**	**.00082**	**.00187**
Stddev	.00031	.00061	.00137	.00006	.00026	.00004	.00362	1.36	.00001	.00002
%RSD	15.563	8.8784	55.937	.05895	2.0412	29.729	45.481	.33085	.73620	1.3008
#1	-.00178	.00648	-.00148	.10449	.01273	-.00014	-.01051	410.65	.00082	.00189
#2	-.00222	.00734	-.00342	.10458	.01237	-.00009	-.00540	412.58	.00083	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00796**	**.85110**	**25.474**	**.05684**	W **1672.6**	**.44843**	**.00548**	W **2542.4**	**.00793**
Stddev	.00014	.00019	.00546	.129	.00305	7.1	.00027	.00010	3.3	.00024
%RSD	60.254	2.4471	.64143	.50444	5.3708	.42403	.06056	1.7331	.12956	2.9710
#1	.00034	.00809	.85496	25.383	.05900	1667.5	.44862	.00542	2544.8	.00777
#2	.00014	.00782	.84724	25.565	.05468	1677.6	.44824	.00555	2540.1	.00810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04439**	W **-.00419**	**2993.8**	**-.00133**	**.10089**	**4.4274**	**-.00165**	W **18.135**	W **-.01047**	W **-.01247**
Stddev	.00378	.00071	6.2	.00308	.00364	.0190	.00055	.008	.00040	.00004
%RSD	8.5232	17.070	.20633	230.95	3.6043	.42931	33.106	.04144	3.8071	.31365
#1	.04707	-.00469	2998.1	-.00351	.09832	4.4408	-.00126	18.129	-.01019	-.01244
#2	.04172	-.00368	2989.4	.00084	.10346	4.4140	-.00204	18.140	-.01075	-.01250
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn
High Limit		10.000						10.000	45.000	10.000
Low Limit		-.00300						-.01000	-.01000	-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00248**	**.04848**	**.00370**	**.00552**	**.00027**
Stddev	.00143	.00088	.00099	.00048	.00015
%RSD	57.535	1.8097	26.726	8.6817	55.575
#1	-.00349	.04786	.00439	.00518	.00037
#2	-.00147	.04910	.00300	.00585	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3606.9**	**50001.**	**4167.7**
Stddev	1.0	71.	16.4
%RSD	.02703	.14292	.39244
#1	3607.6	50051.	4156.1
#2	3606.2	49950.	4179.2

Sample Name: 280-27139-E-5-A Acquired: 4/2/2012 21:16:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**.00629**	**-.00135**	**.00027**	**.00086**	**.00007**	**-.00030**	**.03769**	**.00032**	**-.00042**
Stddev	.00042	.00014	.00053	.00089	.00040	.00004	.00244	.00236	.00006	.00020
%RSD	26.404	2.1543	38.837	326.07	46.912	50.789	813.26	6.2551	18.390	46.578
#1	-.00190	.00619	-.00172	-.00036	.00115	.00010	.00143	.03602	.00028	-.00056
#2	-.00130	.00638	-.00098	.00090	.00058	.00005	-.00203	.03936	.00036	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00289**	**.00603**	**.10122**	**.00284**	**.01441**	**.00092**	**-.00022**	**1.3834**	**-.00053**
Stddev	.00016	.00017	.00087	.04734	.00158	.00021	.00004	.00030	.0376	.00018
%RSD	109.55	6.0503	14.456	46.770	55.589	1.4746	4.8530	134.04	2.7156	34.283
#1	-.00003	.00301	.00542	.13469	.00172	.01456	.00089	-.00001	1.4099	-.00066
#2	-.00026	.00277	.00665	.06774	.00396	.01426	.00095	-.00043	1.3568	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.00146**	**.18230**	**-.00014**	W **-.00510**	**.00821**	**-.00068**	**.00105**	**-.00874**	**-.00018**
Stddev	.00048	.00260	.00149	.00384	.00461	.01436	.00005	.00012	.00195	.00026
%RSD	32.276	177.98	.81557	2702.2	90.386	174.84	6.9897	11.766	22.314	143.60
#1	.00115	.00329	.18335	.00257	-.00184	-.00194	-.00071	.00113	-.01011	.00000
#2	.00183	-.00038	.18124	-.00285	-.00836	.01837	-.00064	.00096	-.00736	-.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00182**	**-.00062**	**.00471**	**-.00046**
Stddev	.00064	.02496	.00024	.00001	.00029
%RSD	218.28	1372.8	38.337	.22332	63.414
#1	.00016	.01947	-.00045	.00472	-.00025
#2	-.00074	-.01583	-.00078	.00470	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4438.9**	**63407.**	**4354.3**
Stddev	4.7	119.	1.0
%RSD	.10576	.18728	.02273
#1	4435.6	63491.	4355.0
#2	4442.3	63323.	4353.6

Sample Name: 280-27130-A-1-A Acquired: 4/2/2012 21:19:30 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00177**	**.03735**	**-.00061**	**.00136**	**.01791**	**.00002**	**-.00576**	**8.1167**	**.00027**	**-.00019**
Stddev	.00030	.00111	.00147	.00021	.00023	.00001	.00081	.0254	.00016	.00004
%RSD	16.749	2.9768	242.28	15.133	1.2610	42.232	13.969	.31256	58.403	23.183
#1	-.00156	.03657	-.00165	.00122	.01775	.00003	-.00633	8.0988	.00038	-.00016
#2	-.00198	.03814	.00043	.00151	.01807	.00002	-.00519	8.1347	.00016	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.02818**	**.04527**	**.54524**	**.00381**	**1.2944**	**.00409**	**.00091**	**7.8033**	**.00046**
Stddev	.00002	.00009	.00221	.01792	.00108	.0035	.00002	.00039	.0167	.00020
%RSD	2.9341	.30718	4.8930	3.2857	28.387	.26982	.60195	42.789	.21359	42.765
#1	.00077	.02812	.04683	.53258	.00305	1.2969	.00408	.00118	7.7915	.00060
#2	.00073	.02825	.04370	.55791	.00458	1.2919	.00411	.00063	7.8150	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**-.00058**	**5.7673**	**-.00012**	**-.00274**	**2.1082**	**.00010**	**.08651**	**-.00764**	**.00002**
Stddev	.00056	.00087	.0102	.00031	.00431	.0389	.00009	.00073	.00069	.00014
%RSD	66.217	150.32	.17688	263.70	157.42	1.8473	96.839	.84397	8.9870	761.79
#1	-.00124	-.00119	5.7745	-.00034	-.00579	2.0806	.00016	.08599	-.00813	-.00008
#2	-.00045	.00004	5.7601	.00010	.00031	2.1357	.00003	.08703	-.00716	.00012
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.01627**	**-.00078**	**.00647**	**-.00032**
Stddev	.00088	.00612	.00017	.00006	.00161
%RSD	113.46	37.634	21.729	.97772	501.98
#1	-.00015	.01194	-.00090	.00652	-.00146
#2	-.00140	.02060	-.00066	.00643	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4429.4**	**63421.**	**4394.2**
Stddev	10.6	76.	7.8
%RSD	.23943	.11995	.17641
#1	4421.9	63368.	4399.7
#2	4436.9	63475.	4388.8

Sample Name: CCVH-1338467 Acquired: 4/2/2012 21:22:04 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**49.917**	**.00138**	**.00048**	**-.00059**	**.00004**	**1.0036**	**.01321**	**-.00160**	**.00189**	**.00144**	**.01133**	**51.445**
Stddev	.00023	.044	.00067	.00072	.00018	.00001	.0043	.00673	.00008	.00006	.00006	.00053	.037
%RSD	22.884	.08769	48.435	149.84	29.736	24.726	.42689	50.967	4.9051	3.3218	3.8578	4.7079	.07104
#1	.00115	49.948	.00185	-.00003	-.00072	.00003	1.0067	.00845	-.00165	.00193	.00140	.01170	51.419
#2	.00083	49.887	.00091	.00098	-.00047	.00004	1.0006	.01798	-.00154	.00184	.00148	.01095	51.470
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04382**	**.00236**	**-.05258**	**-.00009**	**-.00132**	**261.35**	**.00243**	**.00620**	**.00123**	**5.5930**	**-.00708**	**-.00939**	**-.00219**
Stddev	.00889	.00051	.00094	.00003	.00007	.29	.00024	.00064	.00103	.0068	.00025	.00343	.00756
%RSD	20.283	21.758	1.7939	30.406	4.9859	.10976	9.9912	10.381	84.161	.12216	3.5144	36.566	344.66
#1	.05010	.00200	-.05192	-.00007	-.00137	261.15	.00260	.00665	.00050	5.5978	-.00725	-.01182	-.00754
#2	.03753	.00273	-.05325	-.00011	-.00128	261.56	.00225	.00574	.00195	5.5881	-.00690	-.00696	.00315
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**.00039**	**4.8419**	**.00132**	**.00203**	**10.084**	**.00771**	**.00388**	**-.00925**
Stddev	.00117	.00016	.0286	.00003	.00069	.071	.00046	.00008	.00429
%RSD	35.617	40.774	.59166	2.4754	34.247	.70592	5.9512	2.1315	46.327
#1	.00245	.00050	4.8216	.00134	.00154	10.034	.00738	.00382	-.01229
#2	.00410	.00028	4.8622	.00130	.00252	10.135	.00803	.00393	-.00622
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4354.9**	**60726.**	**4307.4**
Stddev	7.3	163.	9.6
%RSD	.16679	.26905	.22386
#1	4349.7	60841.	4300.6
#2	4360.0	60610.	4314.2

Sample Name: CCV-1338469 Acquired: 4/2/2012 21:24:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49831**	F **.58564**	**1.0744**	**.53398**	**.50905**	**.51904**	**-.00069**	**5.1360**	**.52701**	**.51128**	**.50162**	**.54092**
Stddev	.00033	.00230	.0032	.00031	.00122	.00009	.00159	.0074	.00058	.00002	.00087	.00078
%RSD	.06680	.39238	.29480	.05724	.24035	.01823	230.29	.14322	.11017	.00418	.17253	.14366
#1	.49808	.58401	1.0721	.53420	.50819	.51897	.00043	5.1412	.52742	.51126	.50101	.54037
#2	.49855	.58726	1.0766	.53376	.50992	.51911	-.00182	5.1308	.52659	.51129	.50223	.54147
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5721**	**54.603**	**1.0697**	**21.432**	**.51284**	**.51170**	F **5.8561**	**.53405**	**1.0800**	**1.0536**	**.07372**	**1.0813**
Stddev	.0089	.004	.0024	.041	.00099	.00001	.0266	.00028	.0003	.0027	.00015	.0039
%RSD	.34668	.00681	.22628	.19119	.19344	.00286	.45411	.05174	.03078	.26093	.20030	.36033
#1	2.5784	54.600	1.0680	21.403	.51214	.51169	5.8749	.53424	1.0803	1.0517	.07361	1.0841
#2	2.5658	54.605	1.0714	21.461	.51355	.51171	5.8373	.53385	1.0798	1.0555	.07382	1.0786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.1146**	**5.2189**	**.97202**	**.54013**	**-.00473**	**.48964**	**1.0755**	**.01053**	**.47948**	**.51096**	**.50977**
Stddev	.0025	.0019	.00177	.00011	.00005	.00009	.0014	.02620	.00098	.00164	.00416
%RSD	.22326	.03724	.18228	.02019	1.0446	.01867	.12742	248.75	.20417	.32091	.81684
#1	1.1128	5.2203	.97077	.54005	-.00476	.48971	1.0764	.02906	.47878	.50980	.50683
#2	1.1164	5.2175	.97327	.54021	-.00469	.48958	1.0745	-.00799	.48017	.51212	.51272
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000										
Range	10.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4436.0**	**62402.**	**4354.2**
Stddev	3.4	107.	9.8
%RSD	.07755	.17066	.22611
#1	4438.4	62477.	4361.2
#2	4433.6	62326.	4347.3

Sample Name: CCB Acquired: 4/2/2012 21:26:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00112**	**-.00149**	**-.00068**	**-.00043**	W **-.00080**	**.00010**	**-.00295**	**.00212**	**.00013**	**-.00025**
Stddev	.00013	.00043	.00193	.00008	.00001	.00002	.00049	.00108	.00021	.00013
%RSD	11.171	28.702	282.22	18.196	1.1790	14.966	16.592	50.891	158.45	53.186
#1	-.00103	-.00179	.00068	-.00037	-.00080	.00011	-.00260	.00136	.00028	-.00015
#2	-.00121	-.00119	-.00205	-.00048	-.00079	.00009	-.00330	.00289	-.00002	-.00034
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	F **.00277**	**-.00113**	**.03303**	**.00186**	W **-.01748**	F **-.00053**	**.00047**	F **.68291**	**.00016**
Stddev	.00011	.00004	.00258	.07227	.00150	.00063	.00002	.00006	.00305	.00046
%RSD	121.02	1.5956	228.49	218.79	80.830	3.5853	3.5397	12.845	.44729	288.93
#1	.00017	.00280	-.00296	-.01807	.00080	-.01793	-.00055	.00052	.68507	-.00017
#2	.00001	.00274	.00070	.08414	.00292	-.01704	-.00052	.00043	.68075	.00049
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272				.01070	.00051		.10000	
Low Limit		-.00272				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00051**	**.06477**	W **.00413**	**-.00408**	**-.00849**	**.00018**	**.00016**	**-.00692**	**-.00037**
Stddev	.00159	.00029	.00359	.00021	.00112	.00101	.00137	.00002	.00010	.00008
%RSD	365.23	57.351	5.5363	5.0786	27.524	11.835	752.17	10.580	1.4757	21.871
#1	.00156	.00030	.06731	.00428	-.00329	-.00920	-.00079	.00015	-.00685	-.00031
#2	-.00069	.00072	.06223	.00398	-.00488	-.00778	.00115	.00017	-.00700	-.00043
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00359**	**-.00078**	**.00178**	**-.00049**
Stddev	.00109	.01445	.00033	.00069	.00153
%RSD	176.85	402.00	42.102	38.720	314.07
#1	-.00015	.00662	-.00101	.00226	-.00157
#2	.00139	-.01381	-.00055	.00129	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4424.3**	**62741.**	**4330.3**
Stddev	2.5	79.	9.0
%RSD	.05726	.12571	.20845
#1	4426.1	62686.	4324.0
#2	4422.5	62797.	4336.7

Sample Name: CCVL1341782 Acquired: 4/2/2012 21:29:32 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00868**	W **.12028**	**.01543**	**.10416**	**.00933**	**.00102**	**.10911**	**.21817**	**.00544**	**.01024**	**.00996**
Stddev	.00059	.00106	.00325	.00033	.00003	.00003	.00092	.00231	.00005	.00011	.00006
%RSD	6.7645	.88083	21.079	.31649	.37397	3.3864	.83901	1.0571	.98610	1.0840	.58433
#1	.00827	.11953	.01313	.10439	.00930	.00100	.10975	.21980	.00547	.01032	.01000
#2	.00910	.12103	.01773	.10392	.00935	.00105	.10846	.21654	.00540	.01016	.00992
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.10000									
Range		20.000%									

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01939**	**.10427**	**3.2343**	F **.01417**	**.19636**	**.01014**	**.02032**	F **1.6401**	**.04362**	**3.1437**	**.00899**
Stddev	.00030	.00003	.0058	.00154	.00303	.00001	.00011	.0027	.00023	.0078	.00119
%RSD	1.5312	.03325	.17867	10.878	1.5409	.07802	.52732	.16758	.52453	.24675	13.228
#1	.01960	.10425	3.2384	.01526	.19422	.01014	.02024	1.6382	.04345	3.1382	.00983
#2	.01918	.10430	3.2302	.01308	.19850	.01013	.02039	1.6421	.04378	3.1492	.00815
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000				1.0000			
Range	20.000%			30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05794**	**.01127**	**.01304**	**.51928**	**.09967**	**.01087**	F **.00756**	**.00928**	**.01519**	F **.03968**	**.00924**
Stddev	.00157	.00166	.00011	.00415	.00001	.00015	.00047	.00006	.00067	.02083	.00026
%RSD	2.7078	14.683	.85492	.79847	.00808	1.3488	6.2278	.63783	4.4185	52.502	2.8230
#1	.05683	.01010	.01296	.51634	.09967	.01076	.00723	.00924	.01472	.05441	.00942
#2	.05905	.01244	.01312	.52221	.09968	.01097	.00790	.00932	.01567	.02495	.00905
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.01500			.06000	
Range							-30.000%			-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02321**	W **.01831**
Stddev	.00043	.00037
%RSD	1.8694	1.9977
#1	.02352	.01805
#2	.02290	.01857
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4488.1**	**63609.**	**4372.5**
Stddev	4.5	237.	28.0
%RSD	.09932	.37288	.64074
#1	4485.0	63442.	4392.3
#2	4491.3	63777.	4352.7

Sample Name: LB 280-113582/1-C Acquired: 4/2/2012 21:32:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.00049**	**-.00059**	F **.04562**	**.00327**	**.00000**	**-.00314**	F **.26670**	**.00034**	**.00012**
Stddev	.00006	.00015	.00242	.00027	.00006	.00010	.00124	.00213	.00020	.00004
%RSD	4.1526	29.979	406.79	.58556	1.7578	3909.2	39.303	.79757	58.131	31.967
#1	-.00147	.00039	-.00230	.04581	.00331	-.00007	-.00227	.26821	.00048	.00014
#2	-.00139	.00060	.00111	.04543	.00322	.00007	-.00402	.26520	.00020	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				.01000				.20000		
Low Limit				-.01000				-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00423**	**.00029**	**.04238**	**.00257**	**.02170**	**-.00041**	**-.00016**	**282.92**	**-.00004**
Stddev	.00007	.00008	.00047	.00708	.00180	.00028	.00006	.00042	.49	.00002
%RSD	30.740	1.8597	164.26	16.696	70.031	1.2798	14.090	260.56	.17185	38.816
#1	.00029	.00428	-.00005	.03738	.00130	.02189	-.00037	-.00045	282.58	-.00003
#2	.00018	.00417	.00062	.04739	.00384	.02150	-.00046	.00013	283.27	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**-.00059**	**.05719**	**-.00276**	**-.00045**	**.00491**	**-.00001**	**.00055**	W **-.00763**	**-.00047**
Stddev	.00156	.00110	.00264	.00073	.00280	.00306	.00007	.00012	.00025	.00003
%RSD	148.89	186.38	4.6095	26.433	623.96	62.281	670.80	21.116	3.2448	5.3329
#1	.00215	-.00137	.05905	-.00225	-.00243	.00275	.00004	.00063	-.00746	-.00045
#2	-.00006	.00019	.05532	-.00328	.00153	.00708	-.00006	.00047	-.00781	-.00049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00500	
Low Limit									-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00163**	**.00332**	**-.00029**	W **.00994**	**-.00037**
Stddev	.00218	.02891	.00054	.00007	.00064
%RSD	134.15	869.78	189.04	.75223	172.04
#1	-.00008	.02377	.00010	.00989	.00008
#2	-.00317	-.01712	-.00067	.00999	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				.00500	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4255.7**	**59736.**	**4373.8**
Stddev	10.4	22.	9.3
%RSD	.24336	.03664	.21257
#1	4248.4	59721.	4367.2
#2	4263.0	59752.	4380.4

Sample Name: LCS 280-113582/2-C Acquired: 4/2/2012 21:34:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19880**	**.42172**	**.83774**	F **.24162**	**2.3681**	**.00986**	**.37999**	**9.7371**	**.22824**	**.09444**
Stddev	.00072	.00185	.00008	.00124	.0046	.00007	.00184	.0076	.00016	.00014
%RSD	.36439	.43790	.00949	.51394	.19336	.72400	.48443	.07855	.06907	.14843
#1	.19931	.42042	.83779	.24074	2.3649	.00991	.37868	9.7317	.22812	.09454
#2	.19829	.42303	.83768	.24250	2.3714	.00981	.38129	9.7425	.22835	.09434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.24000						
Low Limit				.16000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0138**	**.47707**	**.20486**	**10.513**	**.20295**	**9.5508**	**.09764**	**.19485**	F **306.36**	**.10042**
Stddev	.0016	.00009	.00459	.028	.00218	.0103	.00004	.00024	.40	.00031
%RSD	.16010	.01973	2.2412	.26346	1.0751	.10810	.04151	.12510	.13217	.30517
#1	1.0126	.47700	.20161	10.532	.20141	9.5581	.09767	.19502	306.07	.10020
#2	1.0149	.47714	.20810	10.493	.20450	9.5435	.09761	.19468	306.65	.10063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									12.000	
Low Limit									8.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0687**	**1.0895**	**.05429**	**.10206**	**.63292**	F **1.9633**	**.36298**	**.20583**	**.17614**	**.18763**
Stddev	.0010	.0011	.00048	.00049	.00258	.0089	.00279	.00043	.00024	.00021
%RSD	.04740	.10022	.89103	.47560	.40750	.45541	.76932	.20762	.13722	.11294
#1	2.0694	1.0887	.05395	.10240	.63474	1.9569	.36100	.20553	.17631	.18748
#2	2.0680	1.0903	.05464	.10172	.63109	1.9696	.36495	.20613	.17596	.18778
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.48000				
Low Limit						.32000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.36907**	**.38202**	**.09300**	**.51113**	**.09531**
Stddev	.00143	.00287	.00026	.00019	.00064
%RSD	.38652	.75146	.27459	.03658	.66648
#1	.36806	.37999	.09282	.51100	.09486
#2	.37008	.38405	.09318	.51127	.09576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4257.2**	**59566.**	**4386.6**
Stddev	11.0	138.	3.0
%RSD	.25907	.23125	.06797
#1	4265.0	59469.	4384.5
#2	4249.4	59664.	4388.7

Sample Name: 280-27082-A-1-D Acquired: 4/2/2012 21:37:10 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**.20021**	**-.00004**	**.02853**	**.07132**	**.00008**	**-.00281**	**24.810**	**.00058**	**.00185**
Stddev	.00043	.00089	.00314	.00021	.00056	.00005	.00030	.038	.00008	.00017
%RSD	22.275	.44678	7074.9	.73424	.79146	58.878	10.657	.15279	13.664	9.1970
#1	-.00225	.20084	-.00226	.02867	.07172	.00005	-.00260	24.783	.00052	.00197
#2	-.00163	.19958	.00217	.02838	.07092	.00011	-.00303	24.836	.00063	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.01079**	**.08960**	**1.8059**	**.00323**	**5.6287**	**.32611**	**.00000**	W **541.26**	**.00275**
Stddev	.00022	.00049	.00354	.0936	.00225	.0066	.00002	.0001	.13	.00009
%RSD	19.096	4.5207	3.9533	5.1841	69.711	.11767	.00714	4697.4	.02460	3.2966
#1	.00129	.01045	.08710	1.7397	.00164	5.6334	.32613	.00010	541.35	.00269
#2	.00099	.01114	.09211	1.8721	.00482	5.6240	.32610	-.00011	541.16	.00281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03263**	**.00246**	**.26264**	**-.00076**	**-.00109**	**1.6300**	**.00063**	**.04855**	**-.00856**	**.00684**
Stddev	.00134	.00131	.00090	.00098	.00230	.0017	.00108	.00024	.00165	.00024
%RSD	4.1113	53.442	.34206	129.11	210.93	.10255	170.73	.49639	19.334	3.5519
#1	.03168	.00339	.26327	-.00007	.00054	1.6288	.00140	.04873	-.00973	.00667
#2	.03358	.00153	.26200	-.00146	-.00272	1.6311	-.00013	.04838	-.00739	.00701
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**.01143**	**-.00005**	**.02857**	**-.00149**
Stddev	.00110	.02095	.00006	.00048	.00122
%RSD	94.805	183.30	106.95	1.6854	82.120
#1	-.00195	.02624	-.00009	.02823	-.00235
#2	-.00038	-.00338	-.00001	.02891	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4201.6**	**58162.**	**4382.0**
Stddev	2.9	101.	2.2
%RSD	.06923	.17370	.04909
#1	4199.6	58233.	4380.5
#2	4203.7	58090.	4383.6

Sample Name: sd 280-27082-A-1-D@5 Acquired: 4/2/2012 21:40:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.04030**	**.00269**	**.00451**	**.01312**	**.00006**	**-.00127**	**4.9818**	**.00008**	**.00035**
Stddev	.00006	.00053	.00137	.00012	.00052	.00005	.00327	.0131	.00003	.00006
%RSD	4.9144	1.3100	50.718	2.7317	3.9489	76.785	258.22	.26371	39.917	18.027
#1	-.00128	.03993	.00366	.00460	.01275	.00003	.00105	4.9725	.00010	.00039
#2	-.00120	.04068	.00173	.00443	.01349	.00010	-.00358	4.9911	.00006	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00438**	**.02707**	**.27505**	**.00184**	**1.1507**	**.06491**	**-.00008**	**109.47**	**.00077**
Stddev	.00029	.00022	.00004	.01628	.00073	.0045	.00001	.00008	.30	.00015
%RSD	46.888	4.9520	.16044	5.9178	39.896	.39334	.01377	101.04	.27498	19.265
#1	.00042	.00454	.02704	.26354	.00235	1.1475	.06491	-.00014	109.25	.00088
#2	.00084	.00423	.02711	.28656	.00132	1.1539	.06492	-.00002	109.68	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00737**	**.00041**	**.07689**	**-.00126**	**-.00140**	**.31108**	**-.00058**	**.00974**	**-.00705**	**.00057**
Stddev	.00127	.00121	.00242	.00034	.00300	.02396	.00021	.00017	.00089	.00003
%RSD	17.182	292.14	3.1488	27.179	214.24	7.7030	36.386	1.6943	12.565	5.9012
#1	.00648	-.00044	.07860	-.00150	.00072	.32802	-.00073	.00963	-.00767	.00059
#2	.00827	.00127	.07518	-.00102	-.00353	.29413	-.00043	.00986	-.00642	.00054
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**-.00837**	**-.00013**	**.00800**	**-.00057**
Stddev	.00021	.01467	.00007	.00070	.00018
%RSD	26.114	175.24	57.824	8.8103	31.901
#1	-.00096	.00200	-.00018	.00750	-.00070
#2	-.00066	-.01875	-.00008	.00849	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4376.4**	**61601.**	**4406.4**
Stddev	8.4	14.	12.4
%RSD	.19141	.02348	.28079
#1	4382.3	61590.	4415.2
#2	4370.4	61611.	4397.7

Sample Name: 280-27082-A-1-E MS Acquired: 4/2/2012 21:43:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.19522**	**.61632**	**.81559**	**.21158**	**2.3170**	**.00943**	**.36187**	**33.578**	**.21994**	**.09122**
Stddev	.00002	.00147	.00199	.00012	.0012	.00005	.00105	.000	.00042	.00004
%RSD	.01014	.23811	.24353	.05483	.05277	.55492	.29005	.00009	.19235	.04611
#1	.19521	.61529	.81699	.21149	2.3178	.00947	.36261	33.578	.22024	.09125
#2	.19523	.61736	.81418	.21166	2.3161	.00940	.36113	33.578	.21964	.09119
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96705**	**.46230**	**.27273**	**11.926**	**.19560**	**14.666**	**.41689**	**.18728**	W **545.31**	**.09717**
Stddev	.00023	.00059	.00025	.057	.00163	.012	.00048	.00019	.55	.00007
%RSD	.02373	.12868	.09158	.47877	.83540	.08087	.11444	.10303	.10012	.07060
#1	.96721	.46188	.27255	11.966	.19675	14.657	.41656	.18741	545.70	.09722
#2	.96689	.46272	.27290	11.886	.19444	14.674	.41723	.18714	544.93	.09712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0616**	**1.0270**	**.24651**	**.09503**	**.61431**	**3.5072**	**.34491**	**.24222**	**.16948**	**.18223**
Stddev	.0056	.0059	.00711	.00298	.00083	.0023	.00121	.00045	.00064	.00055
%RSD	.27002	.57660	2.8849	3.1313	.13506	.06599	.34954	.18406	.37879	.29919
#1	2.0656	1.0311	.25154	.09714	.61490	3.5056	.34576	.24254	.16903	.18184
#2	2.0577	1.0228	.24148	.09293	.61372	3.5089	.34406	.24191	.16994	.18261
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.34235**	**.36781**	**.09047**	**.51265**	**.09067**
Stddev	.00176	.00873	.00080	.00042	.00165
%RSD	.51524	2.3731	.88162	.08111	1.8167
#1	.34111	.36164	.08990	.51235	.09184
#2	.34360	.37398	.09103	.51294	.08951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4189.1**	**58176.**	**4378.8**
Stddev	4.1	83.	6.4
%RSD	.09755	.14330	.14689
#1	4192.0	58235.	4383.4
#2	4186.2	58117.	4374.3

Sample Name: 280-27082-A-1-F MSD Acquired: 4/2/2012 21:46:16 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.19571**	**.62316**	**.81823**	**.21352**	**2.3386**	**.00965**	**.36497**	**33.918**	**.22202**	**.09206**
Stddev	.00028	.00310	.00522	.00045	.0041	.00004	.00457	.051	.00008	.00025
%RSD	.14224	.49797	.63805	.21283	.17440	.40919	1.2525	.15106	.03467	.26706
#1	.19551	.62097	.81454	.21320	2.3415	.00968	.36174	33.954	.22208	.09189
#2	.19591	.62535	.82193	.21384	2.3358	.00962	.36820	33.882	.22197	.09224
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97427**	**.46696**	**.37776**	**12.035**	**.19471**	**14.759**	**.42047**	**.18884**	W **551.72**	**.09755**
Stddev	.00194	.00103	.00215	.004	.00152	.037	.00051	.00016	.33	.00073
%RSD	.19904	.21983	.57012	.03196	.77847	.24974	.12197	.08226	.06006	.74346
#1	.97290	.46623	.37928	12.032	.19363	14.733	.42011	.18873	551.95	.09807
#2	.97564	.46769	.37623	12.037	.19578	14.785	.42083	.18895	551.48	.09704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0826**	**1.0354**	**.24257**	**.09606**	**.61705**	**3.5334**	**.34597**	**.24495**	**.17132**	**.18335**
Stddev	.0012	.0052	.00153	.00288	.00446	.0207	.00078	.00028	.00287	.00051
%RSD	.05758	.50122	.63066	2.9983	.72199	.58648	.22656	.11475	1.6731	.27955
#1	2.0818	1.0317	.24365	.09403	.61390	3.5481	.34542	.24515	.17335	.18299
#2	2.0835	1.0390	.24148	.09810	.62020	3.5188	.34653	.24475	.16929	.18371
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.34393**	**.37995**	**.09118**	**.52135**	**.09079**
Stddev	.00050	.00806	.00055	.00120	.00155
%RSD	.14577	2.1221	.60670	.23078	1.7065
#1	.34357	.37425	.09157	.52050	.08970
#2	.34428	.38565	.09079	.52220	.09189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4175.6**	**57965.**	**4348.1**
Stddev	9.4	27.	7.2
%RSD	.22512	.04674	.16510
#1	4182.3	57984.	4353.2
#2	4169.0	57946.	4343.1

Sample Name: pds 280-27082-A-1-D Acquired: 4/2/2012 21:49:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05104**	**1.3010**	**.22125**	**.13186**	**.17429**	**.05370**	**-.00625**	**45.218**	**.05499**	**.05243**
Stddev	.00017	.0013	.00320	.00114	.00039	.00014	.00227	.180	.00010	.00037
%RSD	.33119	.09989	1.4468	.86723	.22504	.26076	36.331	.39783	.18490	.70744
#1	.05092	1.3019	.22351	.13267	.17401	.05361	-.00464	45.091	.05506	.05269
#2	.05116	1.3001	.21899	.13105	.17456	.05380	-.00786	45.345	.05492	.05216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05201**	**.06640**	**1.1269**	**24.799**	**.11310**	**26.043**	**.37620**	**.05219**	W **559.65**	**.05531**
Stddev	.00001	.00095	.0098	.053	.00094	.003	.00005	.00024	2.97	.00012
%RSD	.02105	1.4243	.86761	.21320	.83139	.01223	.01380	.46572	.53059	.20910
#1	.05200	.06707	1.1200	24.762	.11377	26.041	.37623	.05236	557.55	.05522
#2	.05202	.06574	1.1338	24.837	.11244	26.045	.37616	.05202	561.75	.05539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3222**	**.10185**	**.24464**	**.10990**	**.22314**	**6.8497**	**.09725**	**.10518**	**.19349**	**.05795**
Stddev	.0050	.00211	.00241	.00105	.00191	.0558	.00079	.00044	.00107	.00053
%RSD	.21506	2.0720	.98657	.95087	.85727	.81537	.80922	.41629	.55177	.91384
#1	2.3257	.10334	.24635	.10916	.22449	6.8102	.09670	.10487	.19424	.05757
#2	2.3186	.10035	.24293	.11064	.22179	6.8892	.09781	.10549	.19273	.05832
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19328**	**.51901**	**.05127**	**.24327**	**.05217**
Stddev	.00269	.01320	.00030	.00059	.00115
%RSD	1.3935	2.5439	.59288	.24252	2.1991
#1	.19519	.50967	.05105	.24368	.05298
#2	.19138	.52834	.05148	.24285	.05135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4224.3**	**58366.**	**4376.2**
Stddev	8.8	185.	9.0
%RSD	.20780	.31735	.20615
#1	4218.1	58497.	4382.5
#2	4230.5	58235.	4369.8

Sample Name: 280-27092-A-1-F Acquired: 4/2/2012 21:52:44 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.14331**	**.00664**	**.02911**	**.10155**	**.00010**	**-.00390**	**17.487**	**.00059**	**.00653**
Stddev	.00012	.00266	.00047	.00059	.00025	.00007	.00401	.004	.00008	.00009
%RSD	13.432	1.8558	7.0086	2.0169	.25028	72.129	102.81	.02237	13.817	1.4111
#1	-.00101	.14519	.00631	.02952	.10173	.00005	-.00107	17.484	.00054	.00660
#2	-.00083	.14143	.00697	.02869	.10137	.00015	-.00674	17.490	.00065	.00646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00666**	**.23117**	**1.5511**	**.00383**	**2.2280**	**1.3068**	**.00086**	**321.66**	**.00465**
Stddev	.00001	.00028	.00015	.0090	.00239	.0060	.0006	.00012	.85	.00019
%RSD	1.6882	4.2272	.06370	.58054	62.394	.26907	.04651	13.773	.26275	4.0079
#1	.00062	.00646	.23107	1.5575	.00214	2.2238	1.3064	.00094	322.26	.00451
#2	.00061	.00686	.23128	1.5447	.00553	2.2322	1.3072	.00077	321.06	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12699**	**.00297**	**.11905**	**-.00389**	**-.00021**	**1.5940**	**.00017**	**.14385**	**-.00706**	**.00237**
Stddev	.00236	.00084	.00020	.00063	.00132	.0049	.00033	.00005	.00011	.00006
%RSD	1.8554	28.467	.17156	16.132	644.64	.30415	189.01	.03280	1.4913	2.5190
#1	.12865	.00356	.11919	-.00433	.00073	1.5906	-.00006	.14388	-.00714	.00233
#2	.12532	.00237	.11890	-.00345	-.00114	1.5974	.00041	.14381	-.00699	.00241
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00099**	**-.01967**	**-.00055**	**.03483**	**-.00052**
Stddev	.00036	.02100	.00031	.00058	.00082
%RSD	36.795	106.73	55.866	1.6583	157.33
#1	-.00073	-.00483	-.00033	.03524	.00006
#2	-.00124	-.03452	-.00077	.03442	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4275.1**	**59408.**	**4339.9**
Stddev	16.5	15.	8.3
%RSD	.38536	.02503	.19042
#1	4263.5	59418.	4334.0
#2	4286.8	59397.	4345.7

Sample Name: CCVH-1338467 Acquired: 4/2/2012 21:55:23 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**49.567**	**-.00044**	**-.00010**	**-.00072**	**.00001**	**.99713**	**.00945**	**-.00166**	**.00199**	**.00062**	**.00749**	**50.458**
Stddev	.00025	.101	.00166	.00048	.00013	.00006	.00182	.00158	.00009	.00011	.00017	.00013	.083
%RSD	31.238	.20391	381.86	460.87	17.522	624.00	.18285	16.677	5.6942	5.4288	27.286	1.7567	.16462
#1	.00064	49.638	.00074	-.00044	-.00081	.00005	.99584	.01057	-.00173	.00206	.00074	.00740	50.516
#2	.00100	49.495	-.00161	.00023	-.00063	-.00003	.99842	.00834	-.00159	.00191	.00050	.00759	50.399
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06300**	**.00137**	**-.05279**	**-.00091**	**-.00141**	**261.53**	**.00185**	**.00765**	**.00188**	**5.4626**	**-.00463**	**-.00509**	**.00213**
Stddev	.01902	.00208	.00302	.00000	.00025	.77	.00019	.00286	.00125	.0095	.00223	.00225	.00303
%RSD	30.187	151.15	5.7276	.16586	18.031	.29300	10.023	37.363	66.703	.17297	48.190	44.278	142.24
#1	-.04956	-.00009	-.05493	-.00091	-.00159	262.07	.00198	.00967	.00277	5.4559	-.00305	-.00350	-.00001
#2	-.07645	.00284	-.05065	-.00091	-.00123	260.99	.00172	.00563	.00099	5.4693	-.00621	-.00669	.00428
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**.00038**	**4.8159**	**.00142**	**.00103**	**10.116**	**.00757**	**.00199**	**-.00668**
Stddev	.00026	.00011	.0025	.00014	.00013	.007	.00027	.00020	.00276
%RSD	10.106	30.149	.05129	9.7282	12.550	.07199	3.5621	10.190	41.317
#1	.00238	.00046	4.8142	.00152	.00112	10.110	.00738	.00185	-.00473
#2	.00275	.00030	4.8177	.00132	.00094	10.121	.00776	.00213	-.00863
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4394.2**	**60844.**	**4353.1**
Stddev	14.8	32.	4.6
%RSD	.33661	.05183	.10521
#1	4404.7	60822.	4356.3
#2	4383.8	60867.	4349.8

Sample Name: CCV-1338469 Acquired: 4/2/2012 21:57:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49235**	F **.57751**	**1.0640**	**.52790**	**.50400**	**.51491**	**.00088**	**5.0580**	**.52223**	**.50489**	**.49668**	**.53675**
Stddev	.00048	.00022	.0012	.00101	.00092	.00064	.00025	.0179	.00032	.00020	.00018	.00174
%RSD	.09755	.03761	.11125	.19217	.18181	.12352	28.959	.35378	.06221	.03911	.03693	.32383
#1	.49201	.57766	1.0649	.52718	.50464	.51536	.00070	5.0706	.52246	.50503	.49681	.53552
#2	.49269	.57735	1.0632	.52861	.50335	.51446	.00106	5.0453	.52200	.50475	.49655	.53798
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5316**	**54.003**	**1.0567**	**21.269**	**.50951**	**.50681**	F **5.6066**	**.52828**	**1.0682**	**1.0426**	**.02009**	**1.0720**
Stddev	.0005	.118	.0021	.007	.00080	.00027	.0055	.00055	.0043	.0001	.00269	.0054
%RSD	.01962	.21910	.19616	.03366	.15693	.05410	.09774	.10400	.40037	.01037	13.411	.50543
#1	2.5312	54.087	1.0582	21.264	.51007	.50661	5.6105	.52867	1.0712	1.0426	.02200	1.0759
#2	2.5319	53.919	1.0552	21.274	.50894	.50700	5.6028	.52789	1.0651	1.0425	.01819	1.0682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0958**	**5.1315**	**.96340**	**.53592**	**-.00870**	**.48156**	**1.0611**	**.00508**	**.47387**	**.50509**	**.50381**
Stddev	.0069	.0056	.00229	.00030	.00002	.00078	.0030	.00887	.00251	.00207	.00043
%RSD	.63249	.11018	.23761	.05647	.28594	.16146	.28683	174.66	.52897	.40948	.08554
#1	1.1007	5.1275	.96502	.53613	-.00868	.48211	1.0633	-.00119	.47564	.50363	.50351
#2	1.0909	5.1355	.96178	.53570	-.00872	.48101	1.0590	.01135	.47210	.50656	.50412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4443.3**	**62424.**	**4356.4**
Stddev	4.3	19.	.0
%RSD	.09568	.02983	.00067
#1	4446.3	62411.	4356.4
#2	4440.3	62437.	4356.4

Sample Name: CCB Acquired: 4/2/2012 22:00:17 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00121**	**-.00073**	**.00174**	**-.00137**	W **-.00070**	**.00003**	**-.00329**	**-.00350**	**.00023**	**-.00024**
Stddev	.00004	.00045	.00119	.00004	.00001	.00001	.00172	.00476	.00007	.00031
%RSD	3.1553	61.617	68.483	2.9176	1.4613	39.168	52.308	136.10	29.384	132.01
#1	-.00118	-.00104	.00090	-.00140	-.00069	.00004	-.00208	-.00687	.00018	-.00045
#2	-.00123	-.00041	.00258	-.00134	-.00071	.00002	-.00451	-.00013	.00027	-.00002
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	F **.00275**	**-.00038**	**-.05128**	**.00066**	W **-.01997**	F **-.00052**	**.00051**	F **.46927**	**-.00004**
Stddev	.00027	.00016	.00042	.00264	.00035	.00246	.00002	.00018	.01319	.00016
%RSD	71.681	5.9855	109.29	5.1435	53.934	12.306	4.3570	35.477	2.8103	360.37
#1	-.00057	.00263	-.00068	-.04942	.00091	-.01823	-.00054	.00038	.47860	.00007
#2	-.00019	.00286	-.00009	-.05315	.00041	-.02171	-.00051	.00064	.45995	-.00015
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272				.01070	.00051		.10000	
Low Limit		-.00272				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00072**	**.02204**	**.00209**	W **-.00628**	**-.00133**	**-.00011**	**.00006**	**-.00781**	W **-.00060**
Stddev	.00140	.00040	.00787	.00365	.00293	.01502	.00076	.00000	.00198	.00007
%RSD	487.13	55.935	35.712	174.97	46.751	1131.4	696.59	.71610	25.383	12.407
#1	.00128	.00044	.01648	-.00049	-.00835	-.01195	-.00065	.00006	-.00641	-.00055
#2	-.00070	.00100	.02761	.00467	-.00420	.00929	.00043	.00006	-.00921	-.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00486					.00060
Low Limit					-.00486					-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00344**	**-.00085**	**.00150**	**-.00123**
Stddev	.00062	.03084	.00009	.00002	.00129
%RSD	239.60	897.02	10.117	1.4130	104.20
#1	.00070	.01837	-.00079	.00148	-.00214
#2	-.00018	-.02525	-.00091	.00151	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4438.1**	**63170.**	**4327.7**
Stddev	3.1	130.	1.2
%RSD	.07023	.20624	.02695
#1	4435.9	63262.	4326.8
#2	4440.3	63078.	4328.5

Sample Name: CCVL1341782 Acquired: 4/2/2012 22:02:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00887**	**.11989**	**.01692**	**.10542**	**.00936**	**.00105**	**.10624**	**.21247**	**.00558**	**.01031**	**.01019**
Stddev	.00002	.00028	.00260	.00016	.00009	.00001	.00261	.00360	.00001	.00017	.00011
%RSD	.22580	.22960	15.346	.15091	.98990	1.3990	2.4612	1.6941	.23404	1.6097	1.1100
#1	.00888	.11970	.01509	.10554	.00929	.00106	.10439	.20992	.00559	.01043	.01011
#2	.00885	.12009	.01876	.10531	.00942	.00104	.10809	.21501	.00557	.01019	.01027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01953**	**.10217**	**3.1990**	**.01143**	**.20026**	**.01011**	**.02068**	F **1.4885**	**.04418**	**3.1906**	**.01007**
Stddev	.00034	.00133	.0323	.00047	.00169	.00001	.00014	.0040	.00001	.0028	.00071
%RSD	1.7592	1.3055	1.0099	4.1486	.84637	.13349	.69870	.27082	.01476	.08656	7.0594
#1	.01978	.10312	3.1762	.01110	.19906	.01010	.02078	1.4856	.04418	3.1887	.01058
#2	.01929	.10123	3.2219	.01177	.20145	.01012	.02058	1.4913	.04419	3.1926	.00957
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500							1.0000			
Range	30.000%							30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01700**	W **.01247**	**.01328**	**.53253**	**.10117**	**.01097**	F **.00653**	**.00927**	**.01619**	**.06327**	**.00902**
Stddev	.00029	.00016	.00153	.01638	.00044	.00016	.00032	.00021	.00195	.00842	.00015
%RSD	1.7310	1.3129	11.517	3.0759	.43891	1.4492	4.8820	2.3127	12.058	13.300	1.6711
#1	.01680	.01258	.01436	.52094	.10148	.01108	.00630	.00912	.01481	.05732	.00891
#2	.01721	.01235	.01220	.54411	.10086	.01086	.00675	.00943	.01757	.06922	.00913
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000					.01500				
Range		20.000%					-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02322**	**.01670**
Stddev	.00023	.00042
%RSD	1.0017	2.5282
#1	.02339	.01700
#2	.02306	.01640
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4478.2**	**63558.**	**4354.5**
Stddev	5.7	44.	5.7
%RSD	.12813	.06859	.13140
#1	4482.2	63589.	4358.6
#2	4474.1	63528.	4350.5

Sample Name: LB2 280-113597/1-B Acquired: 4/2/2012 22:05:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00132**	**.00183**	**-.00142**	**.00467**	**.00064**	**.00012**	**-.00210**	W **.10208**	**.00050**	**-.00027**
Stddev	.00038	.00044	.00106	.00067	.00004	.00004	.00210	.00413	.00012	.00018
%RSD	29.084	23.819	74.295	14.372	6.4521	36.806	99.832	4.0419	23.591	65.711
#1	-.00105	.00152	-.00068	.00419	.00067	.00015	-.00359	.09916	.00058	-.00015
#2	-.00159	.00214	-.00217	.00514	.00061	.00009	-.00062	.10500	.00041	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.10000		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00375**	**.00101**	**-.10937**	**.00086**	**-.01409**	**-.00048**	**-.00014**	W **.82104**	**-.00056**
Stddev	.00011	.00006	.00163	.09339	.00119	.00155	.00004	.00015	.00461	.00023
%RSD	638.65	1.5523	161.12	85.389	139.11	11.012	8.1576	105.75	.56180	41.907
#1	-.00009	.00371	.00217	-.17541	.00170	-.01519	-.00051	-.00024	.81778	-.00072
#2	.00006	.00379	-.00014	-.04333	.00001	-.01300	-.00045	-.00004	.82430	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.50000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00074**	**.02035**	**.00228**	**-.00274**	**.01895**	**-.00003**	**.00037**	W **-.00562**	**-.00072**
Stddev	.00033	.00094	.00204	.00134	.00616	.01359	.00018	.00006	.00010	.00009
%RSD	2081.2	127.01	10.016	58.559	224.86	71.691	524.18	16.988	1.8040	12.237
#1	-.00022	.00008	.02179	.00134	.00162	.00934	-.00016	.00041	-.00569	-.00066
#2	.00025	.00141	.01891	.00322	-.00710	.02856	.00009	.00032	-.00555	-.00078
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.00500	
Low Limit									-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00310**	**-.02181**	**-.00086**	**.00371**	**.00084**
Stddev	.00015	.02679	.00012	.00016	.00077
%RSD	4.8449	122.83	14.442	4.2120	91.544
#1	-.00320	-.04076	-.00077	.00382	.00138
#2	-.00299	-.00287	-.00095	.00360	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4485.1**	**64176.**	**4408.5**
Stddev	1.0	34.	25.6
%RSD	.02293	.05336	.58019
#1	4484.3	64152.	4426.6
#2	4485.8	64200.	4390.4

Sample Name: LCS 280-113597/2-B Acquired: 4/2/2012 22:08:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18986**	**.42737**	**.78515**	**.19291**	**2.2902**	**.00945**	**.38130**	**9.2896**	**.21743**	**.09212**
Stddev	.00064	.00264	.00460	.00033	.0008	.00007	.00472	.0079	.00005	.00033
%RSD	.33477	.61794	.58563	.17301	.03360	.70506	1.2385	.08504	.02502	.35903
#1	.19031	.42550	.78841	.19267	2.2908	.00949	.37796	9.2840	.21740	.09236
#2	.18941	.42923	.78190	.19315	2.2897	.00940	.38464	9.2952	.21747	.09189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98047**	**.45930**	**.19392**	**9.8130**	**.19765**	**9.5426**	**.09481**	**.18708**	**10.142**	**10.581**
Stddev	.00102	.00007	.00032	.0296	.00186	.0074	.00024	.00057	.000	.539
%RSD	.10388	.01576	.16690	.30209	.93935	.07775	.25725	.30318	.00249	5.0909
#1	.97975	.45925	.19369	9.8340	.19896	9.5374	.09499	.18668	10.142	10.200
#2	.98119	.45935	.19415	9.7920	.19633	9.5479	.09464	.18748	10.142	10.962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09763**	**1.9231**	**1.0892**	**.01992**	**.09796**	**.59379**	F **1.8916**	**.35423**	**.19999**	**.16655**
Stddev	.00022	.0071	.0003	.00644	.00515	.00364	.0014	.00041	.00036	.00225
%RSD	.22754	.36691	.03038	32.327	5.2613	.61265	.07580	.11704	.17868	1.3536
#1	.09779	1.9181	1.0890	.01537	.10160	.59122	1.8926	.35394	.20025	.16814
#2	.09748	1.9281	1.0894	.02448	.09432	.59637	1.8905	.35453	.19974	.16495
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.48000			
Low Limit							.32000			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17842**	**.39187**	**.38448**	**.08751**	**.46683**	**.08960**
Stddev	.00009	.00313	.02335	.00017	.00028	.00245
%RSD	.05307	.79814	6.0743	.19156	.05896	2.7342
#1	.17849	.38966	.36797	.08739	.46702	.08787
#2	.17835	.39408	.40100	.08763	.46663	.09133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4469.8**	**63164.**	**4386.8**
Stddev	1.2	164.	8.1
%RSD	.02671	.25993	.18531
#1	4468.9	63280.	4381.0
#2	4470.6	63048.	4392.5

Sample Name: 280-27088-A-1-B Acquired: 4/2/2012 22:10:29 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00195**	**.01119**	**-.00253**	**.40840**	**.07591**	**-.00001**	**-.00499**	**336.96**	**-.00002**	**-.00014**
Stddev	.00023	.00010	.00050	.00093	.00011	.00015	.00347	.65	.00007	.00020
%RSD	11.967	.89641	19.640	.22686	.14898	2358.2	69.514	.19415	328.52	141.34
#1	-.00178	.01112	-.00218	.40906	.07583	-.00011	-.00744	336.50	-.00007	.00000
#2	-.00211	.01126	-.00288	.40775	.07599	.00010	-.00254	337.42	.00003	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01532**	**.00454**	**.02929**	**9.5382**	**.02511**	**-.02056**	**-.00037**	**.00660**	**329.27**	**.00061**
Stddev	.00012	.00034	.00280	.0252	.00093	.00376	.00003	.00003	.92	.00029
%RSD	.79852	7.5545	9.5755	.26374	3.6947	18.266	8.2289	.45401	.27945	47.022
#1	.01524	.00478	.03127	9.5560	.02446	-.02322	-.00035	.00662	329.92	.00041
#2	.01541	.00430	.02731	9.5204	.02577	-.01791	-.00040	.00658	328.62	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10154**	**.00277**	**91.926**	**-.00236**	**.00681**	**.02386**	**-.00018**	**.36431**	**-.00718**	**.00018**
Stddev	.00015	.00267	.128	.00273	.00301	.00635	.00087	.00054	.00149	.00013
%RSD	.15259	96.574	.13879	115.54	44.195	26.623	478.69	.14827	20.787	70.826
#1	.10165	.00088	92.017	-.00429	.00894	.01937	.00043	.36469	-.00613	.00009
#2	.10143	.00466	91.836	-.00043	.00468	.02835	-.00080	.36393	-.00824	.00027
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00073**	**-.00241**	**-.00055**	**.08415**	**.00045**
Stddev	.00046	.00903	.00009	.00126	.00126
%RSD	63.682	373.95	16.096	1.4918	277.17
#1	-.00106	-.00880	-.00049	.08504	-.00044
#2	-.00040	.00397	-.00061	.08326	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4150.4**	**58257.**	**4316.7**
Stddev	5.1	16.	3.8
%RSD	.12294	.02750	.08723
#1	4146.8	58269.	4314.0
#2	4154.0	58246.	4319.4

Sample Name: sd 280-27088-A-1-B@5 Acquired: 4/2/2012 22:13:15 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.00169**	**.00079**	**.08564**	**.01485**	**.00006**	**-.00426**	**70.804**	**.00005**	**-.00023**
Stddev	.00022	.00070	.00215	.00026	.00004	.00002	.00020	.111	.00008	.00006
%RSD	18.133	41.650	270.02	.29951	.25236	36.408	4.6268	.15645	153.60	25.352
#1	-.00138	.00119	.00231	.08582	.01483	.00008	-.00412	70.726	.00000	-.00028
#2	-.00107	.00218	-.00072	.08545	.01488	.00005	-.00440	70.882	.00011	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00357**	**.00317**	**.01251**	**1.8576**	**.00672**	**-.01953**	**-.00045**	**.00117**	**68.500**	**.00005**
Stddev	.00011	.00058	.00044	.0225	.00056	.00013	.00002	.00032	.014	.00019
%RSD	3.1745	18.426	3.5497	1.2108	8.3063	.67017	4.1420	27.755	.02042	373.06
#1	.00365	.00359	.01220	1.8735	.00632	-.01943	-.00043	.00094	68.491	-.00008
#2	.00349	.00276	.01282	1.8417	.00711	-.01962	-.00046	.00140	68.510	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02000**	**.00088**	**18.442**	**-.00194**	**-.00199**	**.01016**	**-.00066**	**.07547**	**-.00849**	**-.00104**
Stddev	.00112	.00002	.029	.00092	.00085	.00002	.00053	.00022	.00048	.00015
%RSD	5.5886	2.1880	.15506	47.401	42.964	.22761	79.254	.29716	5.7093	14.039
#1	.01921	.00086	18.422	-.00259	-.00138	.01017	-.00104	.07531	-.00883	-.00094
#2	.02079	.00089	18.463	-.00129	-.00259	.01014	-.00029	.07562	-.00815	-.00114
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.02613**	**-.00086**	**.01901**	**-.00204**
Stddev	.00056	.02752	.00054	.00041	.00022
%RSD	260.39	105.31	63.099	2.1673	11.048
#1	.00061	-.00667	-.00125	.01872	-.00219
#2	-.00018	-.04560	-.00048	.01931	-.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4371.3**	**61700.**	**4358.9**
Stddev	2.1	19.	25.3
%RSD	.04701	.03011	.57982
#1	4369.8	61687.	4376.7
#2	4372.8	61713.	4341.0

Sample Name: 280-27088-A-1-C MS Acquired: 4/2/2012 22:15:48 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.19647**	**.40922**	**.83836**	**.61454**	**2.3696**	**.00925**	**.37235**	**355.33**	**.22514**	**.09027**
Stddev	.00132	.00004	.00052	.00158	.0003	.00002	.00661	4.22	.00030	.00006
%RSD	.67088	.00885	.06159	.25638	.01071	.17972	1.7760	1.1867	.13308	.06301
#1	.19553	.40925	.83800	.61566	2.3698	.00924	.37702	358.31	.22535	.09031
#2	.19740	.40920	.83873	.61343	2.3694	.00926	.36767	352.34	.22493	.09023
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98325**	**.46437**	**.19424**	**20.546**	**.22455**	**9.0075**	**.09378**	**.19470**	**349.41**	**.09544**
Stddev	.00041	.00163	.00507	.083	.00206	.0019	.00003	.00024	1.10	.00084
%RSD	.04126	.35036	2.6103	.40295	.91809	.02058	.03030	.12146	.31424	.88464
#1	.98354	.46322	.19066	20.605	.22309	9.0088	.09380	.19486	350.19	.09485
#2	.98297	.46553	.19783	20.488	.22601	9.0061	.09376	.19453	348.63	.09604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1610**	**1.0366**	**101.75**	**.10167**	**.61819**	**1.9226**	**.34432**	**.57702**	**.17141**	**.18252**
Stddev	.0086	.0005	.18	.00120	.00106	.0095	.00073	.00026	.00030	.00012
%RSD	.39803	.04618	.18110	1.1827	.17136	.49205	.21075	.04459	.17550	.06805
#1	2.1671	1.0363	101.88	.10082	.61894	1.9159	.34483	.57684	.17162	.18261
#2	2.1549	1.0370	101.62	.10252	.61744	1.9293	.34380	.57721	.17120	.18243
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.34587**	**.34762**	**.09029**	**.56106**	**.08999**
Stddev	.00009	.02404	.00042	.00084	.00074
%RSD	.02665	6.9163	.46578	.15047	.82586
#1	.34580	.33062	.09000	.56046	.08946
#2	.34593	.36463	.09059	.56165	.09051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4101.1**	**57693.**	**4315.1**
Stddev	5.6	50.	19.7
%RSD	.13658	.08583	.45584
#1	4097.2	57658.	4301.2
#2	4105.1	57728.	4329.0

Sample Name: 280-27088-A-1-D MSD Acquired: 4/2/2012 22:18:25 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113733 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.19340**	**.40328**	**.82797**	**.60585**	**2.3514**	**.00917**	**.37110**	**355.60**	**.22201**	**.08929**
Stddev	.00012	.00171	.00358	.00034	.0095	.00014	.00261	.51	.00043	.00016
%RSD	.06159	.42474	.43192	.05624	.40403	1.4751	.70443	.14216	.19381	.18252
#1	.19331	.40207	.83050	.60609	2.3447	.00927	.37295	355.24	.22170	.08941
#2	.19348	.40450	.82544	.60561	2.3581	.00908	.36925	355.96	.22231	.08918
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97178**	**.45893**	**.22377**	**20.339**	**.22135**	**8.8881**	**.09263**	**.19292**	**345.82**	**.09392**
Stddev	.00027	.00040	.00252	.083	.00127	.0053	.00002	.00043	.60	.00077
%RSD	.02729	.08739	1.1248	.40631	.57277	.05942	.01841	.22304	.17293	.82395
#1	.97159	.45921	.22199	20.280	.22224	8.8843	.09262	.19262	345.40	.09447
#2	.97197	.45865	.22555	20.397	.22045	8.8918	.09265	.19322	346.25	.09337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1202**	**1.0227**	**100.21**	**.09730**	**.61209**	**1.8955**	**.33915**	**.57161**	**.16960**	**.18046**
Stddev	.0021	.0004	.06	.00059	.00581	.0123	.00021	.00182	.00009	.00031
%RSD	.09695	.04256	.05980	.60839	.94861	.64784	.06294	.31864	.05350	.17094
#1	2.1188	1.0224	100.17	.09772	.60799	1.8868	.33900	.57032	.16967	.18068
#2	2.1217	1.0230	100.25	.09688	.61620	1.9042	.33930	.57289	.16954	.18024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.34206**	**.34630**	**.08849**	**.55427**	**.09030**
Stddev	.00084	.00316	.00058	.00132	.00076
%RSD	.24523	.91287	.65141	.23805	.84157
#1	.34147	.34406	.08808	.55520	.08976
#2	.34266	.34853	.08889	.55334	.09083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4066.2**	**57725.**	**4296.0**
Stddev	1.4	37.	9.0
%RSD	.03502	.06353	.20862
#1	4065.2	57699.	4302.4
#2	4067.2	57751.	4289.7

Sample Name: CCVH-1338467 Acquired: 4/2/2012 22:21:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**49.918**	**-.00234**	**.00178**	**-.00041**	**.00001**	**1.0045**	**.02136**	**-.00181**	**.00194**	**.00061**	**.00759**	**51.270**
Stddev	.00037	.018	.00275	.00025	.00017	.00014	.0010	.00313	.00007	.00037	.00001	.00001	.140
%RSD	34.379	.03673	117.34	13.777	42.378	2021.1	.09960	14.656	3.9557	18.919	2.0578	.16114	.27390
#1	.00081	49.931	-.00040	.00196	-.00054	.00010	1.0038	.02358	-.00186	.00220	.00062	.00758	51.171
#2	.00133	49.905	-.00428	.00161	-.00029	-.00009	1.0052	.01915	-.00176	.00168	.00061	.00759	51.370
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.00335**	**-.05361**	**-.00095**	**-.00119**	**262.74**	**.00216**	**.00636**	**.00144**	**5.5423**	**-.00706**	**-.00581**	**-.00434**
Stddev	.01047	.00274	.00266	.00000	.00030	.69	.00027	.00416	.00128	.0150	.00004	.00483	.00925
%RSD	1039.4	81.664	4.9639	.28371	24.953	.26278	12.516	65.414	88.457	.27059	.62675	83.151	212.97
#1	-.00841	.00529	-.05173	-.00095	-.00139	262.26	.00197	.00342	.00054	5.5316	-.00703	-.00922	.00220
#2	.00640	.00142	-.05549	-.00095	-.00098	263.23	.00235	.00930	.00235	5.5529	-.00709	-.00239	-.01088
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**.00046**	**4.8943**	**.00096**	**.00279**	**10.125**	**.00800**	**.00200**	**-.01314**
Stddev	.00025	.00007	.0027	.00059	.00049	.009	.00010	.00040	.00096
%RSD	7.1751	14.250	.05451	60.962	17.627	.08665	1.2623	20.176	7.2885
#1	.00371	.00042	4.8925	.00055	.00314	10.118	.00808	.00228	-.01247
#2	.00335	.00051	4.8962	.00138	.00245	10.131	.00793	.00171	-.01382
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4328.6**	**60746.**	**4329.0**
Stddev	6.5	111.	10.5
%RSD	.15055	.18268	.24357
#1	4333.2	60825.	4321.5
#2	4324.0	60668.	4336.4

Sample Name: CCV-1338469 Acquired: 4/2/2012 22:23:31 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49337**	F **.57298**	**1.0626**	**.53013**	**.50379**	**.50855**	**-.00061**	**5.0621**	**.52277**	**.50545**	**.49685**	**.53187**
Stddev	.00011	.00489	.0007	.00098	.00218	.00210	.00054	.0173	.00092	.00023	.00043	.00130
%RSD	.02309	.85381	.06306	.18500	.43262	.41226	89.592	.34068	.17625	.04506	.08641	.24488
#1	.49329	.56952	1.0630	.53083	.50225	.50707	-.00099	5.0499	.52342	.50561	.49715	.53280
#2	.49345	.57644	1.0621	.52944	.50534	.51004	-.00022	5.0743	.52211	.50529	.49654	.53095
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5087**	**54.061**	**1.0630**	**21.079**	**.50513**	**.50631**	**5.4582**	**.52693**	**1.0675**	**1.0403**	**.01333**	**1.0694**
Stddev	.0138	.303	.0007	.021	.00034	.00058	.0159	.00035	.0048	.0022	.00003	.0015
%RSD	.54809	.55957	.06674	.10065	.06824	.11512	.29039	.06667	.44985	.21551	.22478	.13842
#1	2.4990	53.847	1.0625	21.094	.50537	.50672	5.4470	.52717	1.0641	1.0419	.01335	1.0704
#2	2.5184	54.275	1.0635	21.064	.50489	.50590	5.4694	.52668	1.0709	1.0387	.01331	1.0683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0999**	**5.1219**	**.96387**	**.53128**	**-.00679**	**.48516**	**1.0644**	**-.01057**	**.47638**	**.50444**	**.50023**
Stddev	.0006	.0170	.00138	.00274	.00209	.00026	.0032	.03197	.00008	.00063	.00274
%RSD	.05905	.33105	.14299	.51514	30.817	.05315	.29761	302.62	.01674	.12424	.54744
#1	1.1003	5.1099	.96485	.52935	-.00827	.48497	1.0621	.01204	.47644	.50400	.49829
#2	1.0994	5.1339	.96290	.53322	-.00531	.48534	1.0666	-.03317	.47633	.50488	.50217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4412.0**	**62159.**	**4339.4**
Stddev	2.8	37.	8.8
%RSD	.06349	.05886	.20339
#1	4410.0	62185.	4345.6
#2	4414.0	62133.	4333.1

Sample Name: CCB Acquired: 4/2/2012 22:25:54 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00163**	**-.00128**	**.00374**	**.00034**	**-.00055**	**.00000**	**-.00169**	**.00380**	**.00022**	**-.00029**	**-.00006**
Stddev	.00010	.00074	.00268	.00059	.00001	.00005	.00098	.00417	.00015	.00013	.00011
%RSD	6.1622	58.033	71.607	175.62	1.8195	2907.3	57.687	109.80	67.134	44.998	180.07
#1	-.00156	-.00075	.00184	.00076	-.00055	.00004	-.00100	.00675	.00011	-.00038	.00002
#2	-.00170	-.00180	.00563	-.00008	-.00056	-.00003	-.00238	.00085	.00032	-.00020	-.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00278**	**-.00144**	**-.08015**	**.00009**	F **-.02370**	F **-.00058**	**.00063**	F **.39561**	**-.00014**	**-.00050**	**.00087**
Stddev	.00001	.00279	.01435	.00025	.00079	.00004	.00019	.00475	.00029	.00172	.00158
%RSD	.20560	193.87	17.899	289.49	3.3340	6.7763	30.973	1.2002	217.25	343.81	182.64
#1	.00279	-.00342	-.07001	.00026	-.02426	-.00056	.00049	.39897	.00007	.00072	-.00025
#2	.00278	.00053	-.09029	-.00009	-.02314	-.00061	.00076	.39225	-.00034	-.00172	.00199
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272				.02140	.00051		.10000			
Low Limit	-.00272				-.02140	-.00051		-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01197**	**.00264**	**.00277**	**-.00202**	**.00031**	**.00009**	**-.00694**	**-.00041**	**.00091**	**.00230**	**-.00061**
Stddev	.00132	.00070	.00706	.00039	.00052	.00003	.00073	.00001	.00020	.02608	.00024
%RSD	11.022	26.606	255.42	19.180	167.75	33.139	10.486	3.2367	22.553	1132.7	39.964
#1	.01290	.00214	-.00223	-.00174	-.00006	.00011	-.00746	-.00042	.00076	.02074	-.00078
#2	.01104	.00313	.00776	-.00229	.00068	.00007	-.00643	-.00040	.00105	-.01614	-.00044
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00210**	**.00121**
Stddev	.00059	.00120
%RSD	28.164	98.599
#1	.00168	.00037
#2	.00252	.00206
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4418.6**	**62808.**	**4295.7**
Stddev	.1	27.	8.5
%RSD	.00279	.04276	.19779
#1	4418.7	62827.	4289.7
#2	4418.5	62789.	4301.7

Sample Name: CCVL1341782 Acquired: 4/2/2012 22:28:29 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00903**	**.11718**	**.01573**	**.10501**	**.00936**	**.00104**	**.10848**	**.20657**	**.00536**	**.01056**	**.00989**
Stddev	.00114	.00095	.00024	.00007	.00000	.00014	.00025	.00771	.00029	.00007	.00010
%RSD	12.654	.81494	1.4944	.06766	.01871	13.017	.23405	3.7334	5.3680	.62939	1.0083
#1	.00984	.11650	.01589	.10496	.00937	.00095	.10831	.20112	.00556	.01061	.00982
#2	.00823	.11785	.01556	.10506	.00936	.00114	.10866	.21202	.00516	.01051	.00996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01898**	**.09704**	**3.1482**	W **.01270**	**.19398**	**.00991**	**.02037**	F **1.3894**	**.04265**	**3.1292**	**.00930**
Stddev	.00023	.00153	.0386	.00284	.00253	.00000	.00026	.0197	.00034	.0077	.00012
%RSD	1.2055	1.5722	1.2267	22.326	1.3054	.02674	1.2602	1.4145	.80814	.24540	1.2418
#1	.01914	.09812	3.1755	.01070	.19577	.00991	.02019	1.3755	.04289	3.1346	.00939
#2	.01882	.09597	3.1209	.01471	.19219	.00991	.02055	1.4033	.04240	3.1237	.00922
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000				1.0000			
Range	20.000%			20.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00988**	**.00992**	F **.01028**	**.50923**	**.09858**	**.01067**	F **.00750**	**.00916**	**.01518**	**.06131**	**.00868**
Stddev	.00372	.00046	.00132	.00214	.00120	.00007	.00204	.00033	.00038	.00391	.00066
%RSD	37.645	4.6350	12.838	.41990	1.2177	.62569	27.260	3.6342	2.5243	6.3734	7.5657
#1	.00725	.00960	.01121	.51075	.09773	.01063	.00605	.00892	.01545	.05854	.00914
#2	.01251	.01025	.00934	.50772	.09943	.01072	.00895	.00939	.01491	.06407	.00821
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.01500				
Range			-30.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02275**	**.01496**
Stddev	.00032	.00089
%RSD	1.4223	5.9290
#1	.02252	.01433
#2	.02297	.01559
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4452.6**	**63434.**	**4363.5**
Stddev	4.8	161.	.4
%RSD	.10840	.25340	.00901
#1	4456.0	63321.	4363.2
#2	4449.2	63548.	4363.8

Sample Name: mb 280-113787/1-a Acquired: 4/2/2012 22:31:07 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.00608**	**.00147**	**-.00019**	**-.00039**	**-.00002**	**-.00354**	F **.22753**	**.00043**	**-.00023**
Stddev	.00029	.00011	.00035	.00030	.00030	.00002	.00019	.00222	.00013	.00004
%RSD	21.433	1.7978	24.113	155.58	75.594	127.74	5.4769	.97780	30.643	15.293
#1	-.00115	.00601	.00122	-.00040	-.00018	.00000	-.00368	.22910	.00033	-.00026
#2	-.00156	.00616	.00172	.00002	-.00060	-.00003	-.00341	.22595	.00052	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								.20000		
Low Limit								-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00428**	**.01346**	**-.07590**	**-.00058**	**-.00940**	**-.00010**	**-.00008**	W **.56789**	**.00019**
Stddev	.00012	.00010	.00038	.00186	.00067	.00129	.00002	.00022	.01991	.00048
%RSD	82.729	2.3164	2.8543	2.4572	115.81	13.680	18.485	286.95	3.5055	245.86
#1	.00006	.00421	.01319	-.07458	-.00106	-.01031	-.00011	-.00023	.55382	-.00014
#2	.00024	.00435	.01373	-.07721	-.00011	-.00849	-.00009	.00008	.58197	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.50000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00709**	**.00009**	**.04824**	**.00045**	W **-.00642**	**.03272**	**.00696**	**.00042**	W **-.00593**	**-.00022**
Stddev	.00105	.00041	.00195	.00096	.00012	.01475	.00014	.00010	.00105	.00037
%RSD	14.825	452.87	4.0386	214.95	1.8497	45.072	2.0539	22.994	17.657	169.85
#1	.00635	-.00020	.04686	-.00023	-.00634	.04315	.00686	.00049	-.00519	.00004
#2	.00784	.00038	.04961	.00112	-.00651	.02229	.00706	.00035	-.00667	-.00048
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	.00500				.00500				.00500	
Low Limit	-.00500				-.00500				-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00519**	**-.00111**	**.00363**	**-.00098**
Stddev	.00003	.02126	.00030	.00011	.00090
%RSD	6.1520	409.28	26.741	3.0574	91.227
#1	-.00043	-.02023	-.00132	.00355	-.00035
#2	-.00039	.00984	-.00090	.00371	-.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4448.3**	**63937.**	**4415.8**
Stddev	2.4	83.	7.0
%RSD	.05358	.12935	.15929
#1	4446.6	63995.	4410.9
#2	4450.0	63878.	4420.8

Sample Name: lcs 280-113787/2-a Acquired: 4/2/2012 22:33:41 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04947**	**2.1796**	**1.0692**	**1.0318**	**2.0519**	**.05205**	**2.0605**	**50.759**	**.10730**	**.50083**
Stddev	.00010	.0027	.0040	.0008	.0039	.00030	.0006	.106	.00003	.00019
%RSD	.19500	.12285	.37182	.07242	.19061	.58535	.02930	.20897	.02999	.03738
#1	.04954	2.1777	1.0720	1.0323	2.0546	.05226	2.0601	50.834	.10733	.50097
#2	.04940	2.1815	1.0664	1.0312	2.0491	.05183	2.0609	50.684	.10728	.50070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20193**	**.27478**	**1.0251**	**54.891**	**1.0791**	**51.468**	**.51423**	**1.0360**	**53.426**	**.52487**
Stddev	.00112	.00027	.0043	.166	.0019	.024	.00028	.0001	.129	.00057
%RSD	.55387	.09953	.41675	.30265	.18111	.04611	.05414	.01160	.24108	.10874
#1	.20272	.27497	1.0282	55.009	1.0805	51.485	.51443	1.0359	53.517	.52447
#2	.20114	.27458	1.0221	54.774	1.0778	51.451	.51404	1.0361	53.335	.52527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.894**	**.51288**	**.03748**	**.52211**	**2.1360**	**2.3426**	**1.9345**	**1.0850**	**.97149**	**1.0002**
Stddev	.001	.00154	.00054	.00179	.0025	.0028	.0039	.0029	.00326	.0014
%RSD	.01195	.30076	1.4415	.34252	.11672	.12102	.20311	.26863	.33516	.14328
#1	10.895	.51397	.03787	.52337	2.1342	2.3446	1.9373	1.0870	.97379	1.0012
#2	10.893	.51179	.03710	.52084	2.1378	2.3406	1.9317	1.0829	.96918	.99921
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0496**	**2.0924**	**.49240**	**.49894**	**.50336**
Stddev	.0027	.0056	.00085	.00028	.00067
%RSD	.13245	.26933	.17260	.05602	.13269
#1	2.0515	2.0964	.49300	.49874	.50289
#2	2.0476	2.0884	.49180	.49914	.50383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4248.0**	**60262.**	**4283.7**
Stddev	12.3	102.	6.3
%RSD	.28858	.16940	.14612
#1	4239.4	60190.	4279.3
#2	4256.7	60334.	4288.2

Sample Name: lcsd 280-113787/3-a Acquired: 4/2/2012 22:36:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05104**	**2.2361**	**1.0812**	**1.0497**	**2.0913**	**.05312**	**2.0964**	**51.889**	**.10945**	**.50890**
Stddev	.00008	.0024	.0035	.0001	.0039	.00038	.0014	.116	.00017	.00018
%RSD	.15095	.10662	.32403	.01048	.18594	.70618	.06465	.22275	.15652	.03463
#1	.05109	2.2344	1.0837	1.0498	2.0885	.05286	2.0974	51.808	.10933	.50903
#2	.05098	2.2378	1.0787	1.0496	2.0940	.05339	2.0955	51.971	.10957	.50878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20513**	F **.28089**	**1.0455**	F **55.944**	**1.0966**	**52.564**	**.52536**	**1.0526**	**54.146**	**.53430**
Stddev	.00002	.00050	.0060	.128	.0001	.042	.00025	.0005	.014	.00008
%RSD	.00805	.17934	.57380	.22955	.00824	.08069	.04818	.05001	.02569	.01556
#1	.20515	.28054	1.0413	55.853	1.0965	52.534	.52554	1.0530	54.136	.53424
#2	.20512	.28125	1.0498	56.035	1.0966	52.594	.52519	1.0523	54.156	.53436
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.27500		55.000						
Low Limit		.22000		44.500						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.088**	**.52185**	**.05481**	**.53352**	**2.1757**	**2.3267**	**1.9638**	F **1.1056**	**.99272**	**1.0191**
Stddev	.017	.00176	.00334	.00361	.0012	.0043	.0023	.0018	.00238	.0010
%RSD	.15463	.33788	6.0921	.67665	.05630	.18692	.11839	.15883	.23937	.10231
#1	11.100	.52310	.05245	.53607	2.1766	2.3236	1.9621	1.1044	.99104	1.0198
#2	11.075	.52060	.05717	.53097	2.1748	2.3298	1.9654	1.1069	.99440	1.0183
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1.1000		
Low Limit								.89000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0880**	**2.1216**	**.50299**	**.51077**	**.51333**
Stddev	.0036	.0109	.00129	.00104	.00039
%RSD	.17042	.51454	.25681	.20417	.07537
#1	2.0905	2.1139	.50390	.51151	.51360
#2	2.0855	2.1293	.50208	.51003	.51306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4249.8**	**60126.**	**4303.4**
Stddev	3.8	173.	.6
%RSD	.08978	.28712	.01448
#1	4252.5	60004.	4303.0
#2	4247.1	60248.	4303.8

Sample Name: 280-27174-a-1-a Acquired: 4/2/2012 22:38:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00233**	**68.148**	**.03176**	**.04917**	**1.0028**	**.00403**	**-.00663**	**132.56**	**.00155**	**.02827**
Stddev	.00020	.020	.00498	.00056	.0001	.00010	.00151	.09	.00005	.00021
%RSD	8.4593	.02948	15.693	1.1465	.01365	2.5586	22.723	.06717	3.4325	.75193
#1	-.00219	68.162	.02823	.04877	1.0027	.00396	-.00557	132.62	.00151	.02842
#2	-.00246	68.134	.03528	.04957	1.0029	.00411	-.00770	132.50	.00159	.02812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07221**	**.11724**	**68.659**	**15.819**	**.09950**	**25.129**	**1.5675**	**.01227**	**1.8445**	**.12439**
Stddev	.00032	.00014	.104	.007	.00014	.012	.0014	.00046	.0101	.00024
%RSD	.44596	.11816	.15110	.04556	.14531	.04861	.08725	3.7335	.55016	.18930
#1	.07199	.11715	68.733	15.824	.09940	25.138	1.5685	.01195	1.8517	.12423
#2	.07244	.11734	68.586	15.814	.09960	25.120	1.5666	.01260	1.8373	.12456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5291**	**.17467**	**5.4970**	**.00459**	**-.00220**	**2.9433**	**.00530**	**.26959**	**.03412**	**1.7848**
Stddev	.0155	.00108	.0011	.00002	.00108	.0074	.00042	.00036	.00061	.0013
%RSD	.61202	.61796	.01993	.35795	49.015	.25099	7.9339	.13325	1.8007	.07401
#1	2.5181	.17391	5.4962	.00460	-.00296	2.9381	.00559	.26985	.03456	1.7858
#2	2.5400	.17544	5.4978	.00458	-.00144	2.9486	.00500	.26934	.03369	1.7839
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00275**	W **-.06978**	**.40384**	**.32702**	**.09304**
Stddev	.00205	.01631	.00041	.00067	.00022
%RSD	74.618	23.373	.10079	.20411	.23276
#1	.00130	-.05824	.40413	.32655	.09289
#2	.00421	-.08131	.40356	.32749	.09320
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4671.8**	**64437.**	**4696.2**
Stddev	11.8	110.	1.4
%RSD	.25327	.17124	.02967
#1	4663.4	64359.	4697.2
#2	4680.2	64516.	4695.2

Sample Name: 280-27174-a-1-aSD@5 Acquired: 4/2/2012 22:40:51 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00223**	**14.716**	**.00753**	**.01067**	**.21480**	**.00096**	**-.00127**	**28.285**	**.00042**	**.00610**
Stddev	.00012	.049	.00040	.00090	.00047	.00000	.00349	.024	.00014	.00010
%RSD	5.3068	.33475	5.3100	8.4705	.21923	.14771	274.52	.08532	32.979	1.7198
#1	-.00231	14.681	.00724	.01131	.21446	.00096	-.00374	28.268	.00052	.00617
#2	-.00215	14.751	.00781	.01003	.21513	.00095	.00120	28.303	.00032	.00603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01596**	**.02661**	**14.701**	**3.2978**	**.02348**	**5.5023**	**.33336**	**.00194**	**.55989**	**.02752**
Stddev	.00002	.00048	.047	.0036	.00018	.0035	.00009	.00008	.00565	.00019
%RSD	.12438	1.7854	.32278	.10922	.76951	.06410	.02783	4.0743	1.0097	.70462
#1	.01595	.02695	14.667	3.2953	.02336	5.5048	.33329	.00189	.55589	.02738
#2	.01597	.02627	14.734	3.3004	.02361	5.4998	.33342	.00200	.56389	.02766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54434**	**.03905**	**1.1774**	**.00114**	**-.00347**	**.61990**	**.00112**	**.05808**	**.00239**	**.37405**
Stddev	.00153	.00071	.0031	.00058	.00167	.00732	.00069	.00002	.00025	.00139
%RSD	.28089	1.8271	.26022	50.780	48.211	1.1801	61.302	.03967	10.557	.37182
#1	.54326	.03854	1.1752	.00155	-.00229	.61473	.00063	.05807	.00257	.37504
#2	.54542	.03955	1.1796	.00073	-.00466	.62508	.00161	.05810	.00221	.37307
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00225**	**-.04607**	**.08516**	**.07187**	**.02051**
Stddev	.00111	.00240	.00011	.00024	.00123
%RSD	49.521	5.2007	.13194	.33990	6.0017
#1	.00303	-.04777	.08524	.07204	.01964
#2	.00146	-.04438	.08508	.07169	.02138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4529.4**	**63331.**	**4417.6**
Stddev	1.9	26.	4.4
%RSD	.04295	.04150	.10047
#1	4528.0	63349.	4414.5
#2	4530.7	63312.	4420.8

Sample Name: 280-27174-a-1-b ms Acquired: 4/2/2012 22:43:24 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04586**	**112.50**	**.99036**	**.98380**	**2.9808**	**.05134**	**1.8698**	**178.99**	**.09832**	**.46706**
Stddev	.00020	.03	.00178	.00098	.0044	.00004	.0009	.23	.00021	.00090
%RSD	.43494	.02404	.17974	.09920	.14657	.08126	.04874	.12635	.21539	.19176
#1	.04572	112.52	.99162	.98449	2.9839	.05137	1.8704	179.15	.09847	.46769
#2	.04600	112.48	.98910	.98311	2.9777	.05131	1.8691	178.83	.09817	.46642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27682**	**.36833**	**79.424**	**71.944**	**1.1102**	**81.277**	**2.0237**	**.90774**	**50.416**	**.62244**
Stddev	.00010	.00101	.008	.183	.0009	.183	.0059	.00032	.348	.00002
%RSD	.03452	.27393	.01062	.25465	.08247	.22463	.28969	.03566	.68965	.00361
#1	.27689	.36762	79.430	72.073	1.1109	81.148	2.0195	.90797	50.170	.62246
#2	.27676	.36904	79.418	71.814	1.1096	81.406	2.0278	.90751	50.661	.62242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.425**	**.61404**	**6.0147**	**.22873**	**1.9204**	**5.2817**	**1.6400**	**1.2682**	**.94288**	**3.9100**
Stddev	.008	.00007	.0036	.00059	.0041	.0594	.0010	.0019	.00030	.0132
%RSD	.06361	.01086	.05977	.25823	.21553	1.1238	.06061	.15128	.03181	.33859
#1	12.420	.61399	6.0173	.22915	1.9174	5.3236	1.6407	1.2696	.94267	3.9006
#2	12.431	.61408	6.0122	.22831	1.9233	5.2397	1.6393	1.2669	.94309	3.9194
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7000**	**1.8488**	**1.0037**	**.81030**	**.57366**
Stddev	.0018	.0363	.0022	.00492	.00066
%RSD	.10342	1.9630	.22071	.60733	.11441
#1	1.7013	1.8231	1.0021	.80682	.57320
#2	1.6988	1.8744	1.0053	.81378	.57413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4577.5**	**62597.**	**4673.2**
Stddev	1.7	65.	14.7
%RSD	.03692	.10338	.31499
#1	4576.3	62552.	4662.8
#2	4578.7	62643.	4683.6

Sample Name: 280-27174-a-1-c msd Acquired: 4/2/2012 22:45:41 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04536**	**103.37**	**.99412**	**.98499**	**3.0977**	**.05135**	**1.8684**	**168.58**	**.09849**	**.46760**
Stddev	.00021	.06	.00243	.00020	.0018	.00003	.0016	.15	.00005	.00128
%RSD	.46281	.05718	.24468	.01987	.05807	.06613	.08516	.08808	.04577	.27467
#1	.04522	103.33	.99584	.98513	3.0964	.05132	1.8696	168.48	.09846	.46669
#2	.04551	103.41	.99240	.98486	3.0990	.05137	1.8673	168.69	.09853	.46851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26267**	**.36815**	**77.337**	**70.113**	**1.0989**	**78.194**	**1.9948**	**.90549**	**50.218**	**.62608**
Stddev	.00039	.00164	.137	.101	.0009	.101	.0004	.00070	.113	.00126
%RSD	.14940	.44442	.17683	.14445	.08504	.12940	.01866	.07750	.22486	.20196
#1	.26239	.36931	77.240	70.041	1.0982	78.265	1.9945	.90598	50.298	.62518
#2	.26294	.36699	77.434	70.184	1.0996	78.122	1.9950	.90499	50.139	.62697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.191**	**.63206**	**7.1744**	**.23371**	**1.9278**	**4.7189**	**1.6542**	**1.2688**	**.94622**	**3.7161**
Stddev	.013	.00252	.0013	.00012	.0011	.0513	.0009	.0019	.00000	.0004
%RSD	.11003	.39895	.01854	.05076	.05722	1.0875	.05171	.14934	.00049	.00978
#1	12.181	.63028	7.1734	.23362	1.9286	4.7552	1.6536	1.2675	.94622	3.7158
#2	12.200	.63385	7.1753	.23379	1.9270	4.6826	1.6548	1.2702	.94621	3.7163
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6895**	**1.8051**	**1.0588**	**.80749**	**.56309**
Stddev	.0022	.0107	.0022	.00170	.00045
%RSD	.12814	.59426	.20915	.21031	.07956
#1	1.6880	1.8127	1.0572	.80629	.56340
#2	1.6911	1.7975	1.0603	.80869	.56277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4584.6**	**63016.**	**4677.8**
Stddev	3.0	94.	2.7
%RSD	.06512	.14948	.05775
#1	4586.7	63083.	4679.7
#2	4582.4	62949.	4675.9

Sample Name: 280-27174-a-2-a Acquired: 4/2/2012 22:47:59 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00195**	**60.010**	**.05474**	**.10143**	**1.2987**	**.00431**	**.01104**	**95.569**	**.00434**	**.02994**
Stddev	.00081	.188	.00071	.00013	.0047	.00014	.00071	.302	.00047	.00028
%RSD	41.412	.31361	1.2891	.12781	.36603	3.3129	6.4559	.31641	10.899	.94950
#1	-.00252	60.143	.05524	.10152	1.3020	.00420	.01155	95.783	.00468	.03014
#2	-.00138	59.877	.05424	.10133	1.2953	.00441	.01054	95.355	.00401	.02973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11172**	**.79238**	**99.730**	**13.591**	**.07629**	**20.813**	**2.0007**	**.00812**	**2.1055**	**.07887**
Stddev	.00012	.00084	.447	.101	.00064	.005	.0004	.00020	.0255	.00041
%RSD	.10964	.10585	.44795	.74149	.84175	.02413	.02036	2.4229	1.2092	.51434
#1	.11180	.79297	100.05	13.662	.07675	20.816	2.0010	.00826	2.1235	.07916
#2	.11163	.79178	99.414	13.520	.07584	20.809	2.0004	.00798	2.0875	.07859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1879**	**1.2304**	**4.3156**	**.01223**	**-.00179**	**2.5454**	**.06668**	**.56744**	**.02966**	**2.0738**
Stddev	.0003	.0031	.0098	.00072	.00307	.0070	.00075	.00136	.00136	.0022
%RSD	.00624	.25110	.22621	5.8647	171.80	.27507	1.1303	.23942	4.6019	.10637
#1	4.1877	1.2326	4.3087	.01274	-.00396	2.5503	.06721	.56840	.02869	2.0754
#2	4.1881	1.2282	4.3225	.01172	.00038	2.5404	.06614	.56648	.03062	2.0723
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	W **-.05747**	**.20393**	**1.1438**	**.09897**
Stddev	.00117	.00081	.00036	.0003	.00031
%RSD	60.858	1.4109	.17866	.02252	.31619
#1	.00110	-.05804	.20367	1.1440	.09875
#2	.00275	-.05689	.20419	1.1436	.09919
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4805.2**	**66302.**	**4833.8**
Stddev	.1	247.	38.8
%RSD	.00249	.37205	.80261
#1	4805.3	66477.	4806.4
#2	4805.2	66128.	4861.2

Sample Name: 280-27174-a-3-a Acquired: 4/2/2012 22:50:25 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**71.150**	**.03301**	**.05348**	**1.0085**	**.00380**	**-.00613**	**159.80**	**.00216**	**.02816**
Stddev	.00042	.324	.00253	.00012	.0048	.00018	.00036	.56	.00001	.00015
%RSD	19.278	.45498	7.6733	.21908	.47535	4.8115	5.9167	.35085	.26499	.54791
#1	-.00247	71.379	.03480	.05340	1.0119	.00393	-.00639	160.20	.00216	.02827
#2	-.00188	70.921	.03122	.05357	1.0051	.00367	-.00587	159.40	.00217	.02805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21645**	**.18728**	**70.803**	**14.369**	**.08100**	**19.486**	**1.9608**	**.00604**	**2.4441**	**.06150**
Stddev	.00062	.00072	.054	.041	.00030	.069	.0055	.00001	.0189	.00002
%RSD	.28478	.38689	.07611	.28447	.36962	.35173	.27948	.12799	.77420	.03877
#1	.21602	.18779	70.841	14.397	.08079	19.534	1.9646	.00603	2.4575	.06148
#2	.21689	.18677	70.765	14.340	.08121	19.437	1.9569	.00604	2.4307	.06152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2366**	**.64816**	**6.9340**	**.00090**	**-.00132**	**2.9516**	**.00997**	**.54654**	**.03475**	**1.9415**
Stddev	.0056	.00064	.0197	.00055	.00630	.0208	.00020	.00298	.00225	.0042
%RSD	.24990	.09942	.28348	61.229	478.71	.70302	2.0164	.54483	6.4879	.21686
#1	2.2405	.64862	6.9479	.00051	-.00577	2.9663	.00983	.54865	.03315	1.9445
#2	2.2326	.64771	6.9201	.00129	.00314	2.9369	.01011	.54444	.03634	1.9385
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	W **-.07853**	**.17165**	**.51802**	**.09235**
Stddev	.00011	.01990	.00012	.00112	.00226
%RSD	18.570	25.336	.07135	.21593	2.4454
#1	-.00054	-.06446	.17156	.51723	.09075
#2	-.00070	-.09260	.17173	.51881	.09395
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4699.1**	**64553.**	**4726.7**
Stddev	1.0	160.	9.5
%RSD	.02043	.24779	.20016
#1	4698.5	64440.	4720.0
#2	4699.8	64666.	4733.4

Sample Name: 280-27174-a-4-a Acquired: 4/2/2012 22:52:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00255**	**88.704**	**.03406**	**.05407**	**1.2429**	**.00469**	**-.00479**	**259.03**	**.00239**	**.02872**
Stddev	.00013	.085	.00009	.00054	.0013	.00000	.00038	1.84	.00008	.00007
%RSD	5.2566	.09608	.25982	1.0033	.10580	.07366	7.9547	.70948	3.4214	.24068
#1	-.00246	88.644	.03412	.05368	1.2420	.00469	-.00452	257.74	.00233	.02877
#2	-.00265	88.764	.03399	.05445	1.2438	.00469	-.00506	260.33	.00244	.02868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12864**	**.19045**	**84.921**	**20.305**	**.13070**	**33.607**	**1.5572**	**.00473**	**1.8072**	**.06923**
Stddev	.00030	.00050	.293	.038	.00347	.042	.0000	.00011	.0061	.00016
%RSD	.23052	.26325	.34521	.18606	2.6547	.12575	.00009	2.3723	.33977	.22869
#1	.12843	.19010	84.714	20.278	.13316	33.637	1.5572	.00480	1.8029	.06934
#2	.12885	.19081	85.129	20.331	.12825	33.577	1.5572	.00465	1.8116	.06911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3607**	**.34931**	**2.5722**	**-.00130**	**-.00357**	**3.2689**	**.00778**	**.48036**	**.04296**	**2.3708**
Stddev	.0017	.00089	.0056	.00252	.01077	.0011	.00043	.00078	.00118	.0005
%RSD	.05027	.25451	.21974	193.37	301.82	.03367	5.5553	.16331	2.7562	.02044
#1	3.3595	.34994	2.5762	.00048	-.01119	3.2682	.00808	.47981	.04380	2.3705
#2	3.3618	.34868	2.5682	-.00309	.00405	3.2697	.00747	.48092	.04212	2.3712
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	W **-.09660**	**.22128**	**.54771**	**.12107**
Stddev	.00092	.00142	.00071	.00044	.00162
%RSD	67.693	1.4678	.31903	.08035	1.3371
#1	.00201	-.09560	.22078	.54802	.11993
#2	.00071	-.09760	.22178	.54740	.12222
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4631.3**	**63519.**	**4734.3**
Stddev	1.5	235.	10.0
%RSD	.03297	.37006	.21128
#1	4632.4	63353.	4741.4
#2	4630.2	63685.	4727.2

Sample Name: CCVH-1338467 Acquired: 4/2/2012 22:55:21 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**48.293**	**.00032**	**.00073**	**-.00061**	**.00012**	**.98076**	**.01881**	**-.00181**	**.00191**	**.00036**	**.00656**	**49.365**
Stddev	.00003	.005	.00021	.00084	.00062	.00004	.00179	.00196	.00011	.00011	.00010	.00020	.001
%RSD	7.6771	.01000	65.004	114.67	102.60	30.604	.18259	10.397	5.8226	5.5017	27.366	2.9817	.00113
#1	.00041	48.297	.00017	.00132	-.00017	.00010	.98203	.02019	-.00188	.00199	.00029	.00670	49.365
#2	.00046	48.290	.00046	.00014	-.00105	.00015	.97950	.01742	-.00173	.00184	.00043	.00642	49.365
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.10606**	**.00241**	**-.04973**	**-.00098**	**-.00145**	**254.36**	**.00181**	**.00479**	**.00110**	**5.3136**	**-.00619**	**-.00517**	**-.00434**
Stddev	.00435	.00110	.00064	.00004	.00005	.65	.00005	.00095	.00037	.0120	.00036	.00017	.00152
%RSD	4.0993	45.598	1.2931	4.1379	3.6408	.25393	2.4925	19.806	33.322	.22655	5.7882	3.2160	35.110
#1	-.10914	.00163	-.05018	-.00101	-.00141	254.82	.00184	.00546	.00136	5.3051	-.00644	-.00528	-.00542
#2	-.10299	.00318	-.04927	-.00096	-.00149	253.91	.00177	.00412	.00084	5.3221	-.00593	-.00505	-.00326
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00326**	**.00038**	**4.7745**	**.00246**	**.00304**	**9.8003**	**.00796**	**.00216**	**-.01962**
Stddev	.00082	.00004	.0042	.00022	.00145	.0015	.00036	.00034	.00046
%RSD	25.231	11.336	.08833	9.0286	47.768	.01577	4.5306	15.482	2.3481
#1	.00268	.00035	4.7774	.00261	.00201	9.7992	.00822	.00193	-.01995
#2	.00384	.00042	4.7715	.00230	.00406	9.8014	.00771	.00240	-.01929
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4366.8**	**60649.**	**4330.4**
Stddev	3.4	99.	2.7
%RSD	.07838	.16312	.06185
#1	4369.2	60579.	4332.3
#2	4364.4	60719.	4328.5

Sample Name: CCV-1338469 Acquired: 4/2/2012 22:57:51 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49619**	F **.56304**	**1.0490**	**.52541**	**.49839**	**.49981**	**-.00047**	**4.9965**	**.51853**	**.50064**	**.49241**	**.52657**
Stddev	.00010	.00432	.0012	.00004	.00094	.00209	.00209	.0213	.00024	.00065	.00036	.00085
%RSD	.01944	.76708	.11278	.00730	.18897	.41813	440.49	.42656	.04585	.12957	.07218	.16088
#1	.49626	.55998	1.0482	.52538	.49906	.50129	-.00195	5.0116	.51836	.50110	.49216	.52597
#2	.49612	.56609	1.0499	.52544	.49772	.49833	.00100	4.9814	.51870	.50018	.49266	.52716
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4601**	**52.765**	**1.0374**	**20.895**	**.50045**	**.49943**	**5.1458**	**.51872**	**1.0540**	**1.0304**	**.00469**	**1.0577**
Stddev	.0110	.140	.0040	.011	.00006	.00056	.0135	.00037	.0005	.0021	.00385	.0025
%RSD	.44550	.26566	.38869	.05136	.01218	.11205	.26297	.07098	.04905	.20785	82.069	.23441
#1	2.4679	52.864	1.0402	20.887	.50049	.49903	5.1554	.51846	1.0544	1.0319	.00197	1.0559
#2	2.4524	52.666	1.0345	20.903	.50041	.49982	5.1363	.51898	1.0537	1.0289	.00742	1.0594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0902**	**5.0242**	**.96003**	**.52009**	**-.00585**	**.48379**	**1.0573**	**-.01361**	**.47700**	**.50286**	**.49518**
Stddev	.0054	.0340	.00068	.00097	.00033	.00107	.0005	.01810	.00053	.00140	.00357
%RSD	.49563	.67617	.07066	.18720	5.6204	.22016	.04882	132.97	.11138	.27764	.72033
#1	1.0940	5.0482	.95955	.52078	-.00562	.48304	1.0576	-.00081	.47738	.50385	.49770
#2	1.0864	5.0002	.96051	.51940	-.00608	.48454	1.0569	-.02642	.47662	.50187	.49266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4430.3**	**62208.**	**4353.7**
Stddev	3.1	54.	11.6
%RSD	.06904	.08727	.26534
#1	4432.5	62247.	4345.5
#2	4428.2	62170.	4361.9

Sample Name: CCB Acquired: 4/2/2012 23:00:14 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00120**	**-.00018**	**.00161**	**-.00011**	W **-.00084**	**.00020**	**-.00574**	**.00607**	**.00040**	**-.00036**
Stddev	.00009	.00015	.00437	.00034	.00020	.00005	.00004	.00015	.00011	.00013
%RSD	7.1176	87.174	271.81	311.44	23.411	23.466	.61697	2.5030	28.399	35.170
#1	-.00114	-.00007	-.00148	.00013	-.00098	.00023	-.00571	.00618	.00048	-.00027
#2	-.00126	-.00028	.00470	-.00035	-.00070	.00017	-.00576	.00597	.00032	-.00045
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	W **.00253**	**.00245**	**-.06645**	**.00203**	W **-.01981**	F **-.00058**	**.00033**	F **.12888**	**.00008**
Stddev	.00025	.00047	.00003	.03807	.00416	.00089	.00001	.00037	.00245	.00008
%RSD	71.924	18.626	1.1860	57.286	205.27	4.4677	1.9201	110.40	1.9039	97.830
#1	.00052	.00219	.00247	-.09336	-.00091	-.01918	-.00057	.00007	.13062	.00014
#2	.00017	.00286	.00243	-.03953	.00497	-.02044	-.00059	.00059	.12715	.00003
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00051		.10000	
Low Limit		-.00136				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00169**	**.00157**	**.00242**	W **.00448**	W **-.00773**	**-.01666**	**.00046**	**.00020**	**-.00656**	**-.00040**
Stddev	.00019	.00004	.00433	.00025	.00082	.00815	.00098	.00009	.00078	.00001
%RSD	11.302	2.5429	179.09	5.5932	10.656	48.901	214.51	44.450	11.922	3.1652
#1	-.00155	.00154	.00548	.00430	-.00715	-.01090	.00115	.00013	-.00601	-.00039
#2	-.00182	.00160	-.00064	.00466	-.00832	-.02242	-.00024	.00026	-.00711	-.00041
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00693**	**-.00080**	**.00122**	**-.00018**
Stddev	.00004	.01093	.00017	.00013	.00228
%RSD	99.244	157.63	21.537	10.627	1298.6
#1	.00007	.00079	-.00092	.00113	-.00179
#2	.00001	-.01466	-.00068	.00131	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4386.5**	**62702.**	**4298.9**
Stddev	2.9	105.	35.5
%RSD	.06694	.16729	.82552
#1	4384.4	62627.	4273.8
#2	4388.5	62776.	4323.9

Sample Name: CCVL1341782 Acquired: 4/2/2012 23:02:49 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00891**	**.11548**	**.01625**	**.10410**	**.00914**	**.00111**	**.10711**	**.20400**	**.00540**	**.00989**	**.01000**
Stddev	.00069	.00031	.00177	.00009	.00013	.00001	.00375	.00221	.00007	.00023	.00013
%RSD	7.6988	.26894	10.886	.08654	1.4713	1.3508	3.4991	1.0851	1.2613	2.3518	1.3088
#1	.00842	.11570	.01500	.10404	.00905	.00112	.10446	.20244	.00535	.01006	.00990
#2	.00939	.11526	.01750	.10416	.00924	.00110	.10976	.20557	.00545	.00973	.01009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01883**	**.09801**	**3.0740**	**.01153**	**.19236**	**.00988**	**.02009**	**1.1440**	**.04300**	**3.1167**	**.00929**
Stddev	.00065	.00100	.0061	.00110	.00155	.00004	.00006	.0043	.00018	.0096	.00012
%RSD	3.4597	1.0193	.19879	9.5213	.80620	.42177	.31334	.37936	.40899	.30682	1.2396
#1	.01929	.09871	3.0696	.01231	.19126	.00985	.02005	1.1410	.04288	3.1099	.00937
#2	.01837	.09730	3.0783	.01076	.19346	.00991	.02014	1.1471	.04313	3.1235	.00921
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00356**	**.01056**	F **.00895**	**.50281**	**.09960**	**.01066**	F **.00829**	**.00903**	**.01563**	F **.03664**	**.00921**
Stddev	.00158	.00119	.00005	.00021	.00038	.00005	.00035	.00009	.00108	.02350	.00009
%RSD	44.259	11.292	.53392	.04098	.38632	.50425	4.2662	.96729	6.8974	64.144	.95943
#1	.00467	.01141	.00892	.50296	.09987	.01070	.00804	.00909	.01639	.02002	.00915
#2	.00245	.00972	.00898	.50267	.09933	.01062	.00854	.00897	.01487	.05326	.00927
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			.01500				.01500			.06000	
Range			-30.000%				-30.000%			-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02237**	**.01529**
Stddev	.00003	.00231
%RSD	.15359	15.104
#1	.02234	.01366
#2	.02239	.01693
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4452.3**	**63373.**	**4350.5**
Stddev	6.2	158.	15.8
%RSD	.13916	.24977	.36419
#1	4456.7	63261.	4361.7
#2	4447.9	63485.	4339.3

Sample Name: 280-27175-a-1-a Acquired: 4/2/2012 23:05:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00268**	**121.77**	**.04867**	**.56702**	**5.3144**	**.00537**	**-.00073**	**245.20**	**.00247**	**.03809**
Stddev	.00003	.50	.00634	.00015	.0230	.00005	.00218	.06	.00004	.00004
%RSD	.94699	.41201	13.019	.02676	.43352	.98192	298.99	.02357	1.4925	.09835
#1	-.00266	121.42	.04419	.56692	5.2981	.00540	-.00227	245.24	.00244	.03811
#2	-.00270	122.13	.05315	.56713	5.3307	.00533	.00081	245.16	.00249	.03806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56313**	**.28307**	**83.050**	**13.812**	**.11416**	**41.747**	**1.2296**	**.00970**	**7.8146**	**.08274**
Stddev	.00059	.00093	.478	.069	.00031	.119	.0035	.00024	.0352	.00010
%RSD	.10467	.32683	.57534	.49973	.26913	.28481	.28422	2.4336	.44991	.12048
#1	.56354	.28372	82.713	13.763	.11394	41.831	1.2320	.00987	7.7898	.08267
#2	.56271	.28242	83.388	13.860	.11438	41.663	1.2271	.00953	7.8395	.08281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1344**	**.10962**	**34.668**	**-.00136**	**.03197**	**2.7224**	**.00164**	**3.3119**	**.05272**	**6.3355**
Stddev	.0144	.00043	.081	.00051	.00097	.0273	.00131	.0143	.00048	.0120
%RSD	.20164	.38972	.23506	37.624	3.0361	1.0027	79.505	.43262	.91943	.18972
#1	7.1243	.10932	34.610	-.00100	.03128	2.7031	.00257	3.3018	.05238	6.3440
#2	7.1446	.10992	34.726	-.00173	.03265	2.7417	.00072	3.3220	.05307	6.3270
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00527**	F **-.10259**	**.31653**	**.55105**	**.20284**
Stddev	.00222	.03632	.00015	.00232	.00009
%RSD	42.164	35.404	.04631	.42066	.04439
#1	.00370	-.07691	.31663	.55269	.20278
#2	.00684	-.12827	.31642	.54941	.20291
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4713.1**	**63972.**	**4783.6**
Stddev	25.5	94.	3.2
%RSD	.54133	.14743	.06780
#1	4695.0	63905.	4785.9
#2	4731.1	64038.	4781.3

Sample Name: 280-27175-a-2-a Acquired: 4/2/2012 23:07:55 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00202**	**112.43**	**.04025**	**.37178**	**4.0903**	**.00547**	**-.00064**	**218.59**	**.00219**	**.03529**
Stddev	.00002	.19	.00365	.00059	.0058	.00004	.00087	.39	.00006	.00033
%RSD	.77540	.17309	9.0610	.15942	.14091	.71072	136.59	.18046	2.7594	.92614
#1	-.00201	112.29	.04283	.37220	4.0862	.00544	-.00125	218.31	.00215	.03552
#2	-.00204	112.56	.03767	.37136	4.0944	.00549	-.00002	218.87	.00223	.03506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39102**	**.21091**	**85.448**	**15.850**	**.12527**	**38.983**	**1.4072**	**.00686**	**6.1330**	**.07387**
Stddev	.00021	.00029	.256	.040	.00069	.061	.0001	.00018	.0278	.00020
%RSD	.05425	.13532	.29909	.24931	.55306	.15704	.00867	2.5655	.45344	.26780
#1	.39117	.21071	85.267	15.822	.12478	39.027	1.4071	.00698	6.1134	.07401
#2	.39087	.21111	85.629	15.878	.12576	38.940	1.4073	.00673	6.1527	.07373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6257**	**.11232**	**21.330**	**-.00130**	**.01888**	**4.3415**	**.00451**	**2.2999**	**.04712**	**5.4292**
Stddev	.0050	.00003	.048	.00002	.00165	.0276	.00065	.0029	.00071	.0038
%RSD	.08950	.02378	.22724	1.3585	8.7491	.63666	14.322	.12451	1.5038	.06984
#1	5.6293	.11230	21.364	-.00131	.02005	4.3219	.00497	2.2978	.04662	5.4319
#2	5.6221	.11234	21.296	-.00128	.01771	4.3610	.00405	2.3019	.04762	5.4265
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00331**	W **-.08171**	**.28877**	**.45192**	**.18155**
Stddev	.00154	.01319	.00029	.00091	.00274
%RSD	46.571	16.140	.09981	.20087	1.5068
#1	.00440	-.09103	.28898	.45256	.17962
#2	.00222	-.07238	.28857	.45128	.18349
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4727.4**	**64638.**	**4867.1**
Stddev	3.5	90.	11.2
%RSD	.07416	.13989	.23045
#1	4724.9	64574.	4875.1
#2	4729.9	64702.	4859.2

Sample Name: 280-27175-a-3-a Acquired: 4/2/2012 23:10:19 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00252**	**83.070**	**.03736**	**.23738**	**3.1682**	**.00431**	**-.00396**	**170.66**	**.00191**	**.02780**
Stddev	.00047	.035	.00386	.00013	.0013	.00000	.00133	.04	.00018	.00001
%RSD	18.792	.04157	10.333	.05279	.04032	.03646	33.672	.02253	9.4596	.05343
#1	-.00285	83.094	.03463	.23729	3.1673	.00431	-.00490	170.63	.00178	.02779
#2	-.00218	83.045	.04009	.23747	3.1691	.00431	-.00301	170.69	.00204	.02781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23619**	**.16411**	**68.496**	**12.904**	**.09858**	**28.706**	**1.2189**	**.00475**	**4.4826**	**.05666**
Stddev	.00033	.00130	.068	.020	.00159	.112	.0039	.00017	.0045	.00017
%RSD	.13802	.79484	.09992	.15501	1.6131	.38849	.31673	3.5395	.10101	.29767
#1	.23596	.16318	68.545	12.919	.09745	28.627	1.2162	.00487	4.4794	.05678
#2	.23642	.16503	68.448	12.890	.09970	28.785	1.2217	.00463	4.4858	.05654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4197**	**.12032**	**15.111**	**.00050**	**.01386**	**4.1756**	**.00668**	**1.6364**	**.03534**	**3.9235**
Stddev	.0006	.00227	.019	.00141	.00502	.0092	.00105	.0001	.00037	.0129
%RSD	.01288	1.8853	.12754	282.69	36.215	.21945	15.710	.00871	1.0539	.32875
#1	4.4193	.11871	15.124	.00149	.01031	4.1821	.00594	1.6365	.03560	3.9144
#2	4.4201	.12192	15.097	-.00050	.01741	4.1692	.00742	1.6363	.03507	3.9326
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	W **-.06241**	**.21930**	**.35488**	**.13514**
Stddev	.00006	.03038	.00056	.00017	.00100
%RSD	5.2909	48.671	.25517	.04911	.74269
#1	.00121	-.08390	.21891	.35500	.13443
#2	.00113	-.04093	.21970	.35475	.13584
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4689.2**	**64313.**	**4809.3**
Stddev	2.7	240.	2.3
%RSD	.05864	.37363	.04867
#1	4691.1	64483.	4810.9
#2	4687.2	64144.	4807.6

Sample Name: 280-27175-a-4-a Acquired: 4/2/2012 23:12:44 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00259**	**55.431**	**.02316**	**.03301**	**.44567**	**.00447**	**-.00542**	**47.243**	**.00072**	**.02715**
Stddev	.00032	.170	.00118	.00000	.00053	.00001	.00076	.014	.00005	.00019
%RSD	12.352	.30581	5.0974	.01259	.11967	.20276	14.037	.02985	6.3668	.70946
#1	-.00236	55.311	.02232	.03302	.44530	.00446	-.00488	47.233	.00075	.02729
#2	-.00281	55.551	.02399	.03301	.44605	.00448	-.00596	47.253	.00069	.02702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05126**	**.03356**	**59.874**	**9.7513**	**.07955**	**23.572**	**1.5391**	**.00074**	**2.0632**	**.03586**
Stddev	.00013	.00081	.090	.0125	.00228	.022	.0020	.00004	.0056	.00001
%RSD	.25318	2.4069	.15049	.12773	2.8618	.09505	.13285	6.0420	.27298	.03109
#1	.05117	.03299	59.938	9.7601	.08116	23.556	1.5377	.00077	2.0592	.03586
#2	.05135	.03413	59.811	9.7425	.07794	23.588	1.5406	.00071	2.0672	.03587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1851**	**.05800**	**.87077**	**-.00045**	W **-.00687**	**2.9185**	**.00220**	**.33151**	**.02983**	**1.5358**
Stddev	.0001	.00085	.00765	.00261	.00349	.0272	.00099	.00047	.00111	.0011
%RSD	.01082	1.4627	.87801	575.27	50.776	.93300	45.173	.14132	3.7072	.06916
#1	1.1852	.05860	.87618	.00139	-.00934	2.9378	.00149	.33118	.03061	1.5351
#2	1.1850	.05740	.86537	-.00230	-.00440	2.8993	.00290	.33184	.02904	1.5366
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	W **-.07663**	**.16598**	**.30238**	**.07840**
Stddev	.00139	.03542	.00066	.00049	.00122
%RSD	110.93	46.218	.39664	.16338	1.5615
#1	-.00027	-.10167	.16552	.30203	.07754
#2	-.00224	-.05159	.16645	.30273	.07927
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4654.5**	**64609.**	**4663.3**
Stddev	9.4	143.	3.4
%RSD	.20206	.22118	.07274
#1	4661.2	64508.	4665.7
#2	4647.9	64710.	4660.9

Sample Name: 280-27175-a-5-a Acquired: 4/2/2012 23:15:15 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00247**	**104.87**	**.04114**	**.29420**	**3.8559**	**.00502**	**-.00353**	**211.72**	**.00219**	**.04394**
Stddev	.00013	.04	.00262	.00038	.0044	.00012	.00290	.16	.00013	.00010
%RSD	5.1336	.04203	6.3755	.12776	.11351	2.3688	82.208	.07757	5.9794	.22615
#1	-.00256	104.90	.03929	.29394	3.8590	.00510	-.00148	211.83	.00229	.04387
#2	-.00238	104.84	.04300	.29447	3.8528	.00493	-.00557	211.60	.00210	.04401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36310**	**.18220**	**92.419**	**16.095**	**.12924**	**39.819**	**1.5503**	**.00629**	**5.2171**	**.07476**
Stddev	.00088	.00003	.181	.052	.00032	.043	.0004	.00023	.0182	.00004
%RSD	.24359	.01577	.19637	.32090	.24984	.10739	.02781	3.5978	.34910	.05488
#1	.36248	.18218	92.547	16.131	.12901	39.850	1.5506	.00645	5.2299	.07479
#2	.36373	.18222	92.291	16.058	.12946	39.789	1.5500	.00613	5.2042	.07473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.5192**	**.13247**	**20.379**	**.00005**	**.01468**	**4.5957**	**.00439**	**1.8834**	**.05086**	**5.6559**
Stddev	.0158	.00011	.015	.00274	.00529	.0144	.00017	.0006	.00108	.0074
%RSD	.28694	.08124	.07588	6074.0	36.014	.31445	3.7753	.03374	2.1215	.13061
#1	5.5304	.13254	20.368	.00198	.01094	4.5855	.00451	1.8839	.05162	5.6611
#2	5.5080	.13239	20.390	-.00189	.01842	4.6059	.00427	1.8830	.05010	5.6506
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	F **-.10710**	**.28246**	**.47546**	**.17180**
Stddev	.00140	.00917	.00000	.00058	.00192
%RSD	51.411	8.5663	.00069	.12247	1.1191
#1	.00173	-.11359	.28246	.47587	.17316
#2	.00370	-.10061	.28246	.47505	.17044
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4730.4**	**64865.**	**4871.2**
Stddev	4.1	19.	7.9
%RSD	.08587	.02928	.16305
#1	4727.5	64878.	4865.6
#2	4733.3	64852.	4876.8

Sample Name: 280-27175-a-6-a Acquired: 4/2/2012 23:17:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00189**	**88.231**	**.03493**	**.11529**	**1.9766**	**.00477**	**-.00255**	**178.29**	**.00153**	**.03159**
Stddev	.00013	.297	.00047	.00026	.0043	.00003	.00250	.50	.00011	.00015
%RSD	7.1220	.33713	1.3384	.22422	.21678	.57911	97.949	.28196	7.0966	.46828
#1	-.00179	88.020	.03459	.11547	1.9736	.00476	-.00432	177.94	.00145	.03149
#2	-.00198	88.441	.03526	.11511	1.9797	.00479	-.00078	178.65	.00160	.03170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18642**	**.11164**	**79.982**	**14.580**	**.11367**	**33.058**	**1.5354**	**.00547**	**3.1364**	**.05650**
Stddev	.00007	.00003	.269	.040	.00011	.054	.0026	.00008	.0207	.00093
%RSD	.03681	.02650	.33578	.27412	.09370	.16212	.16767	1.3900	.66093	1.6433
#1	.18646	.11166	79.793	14.552	.11375	33.020	1.5336	.00542	3.1217	.05716
#2	.18637	.11162	80.172	14.608	.11360	33.096	1.5372	.00552	3.1510	.05584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1621**	**.09631**	**10.925**	**-.00033**	**.00985**	**3.9829**	**.00351**	**.99799**	**.03938**	**3.1900**
Stddev	.0067	.00166	.018	.00075	.00287	.0364	.00012	.00171	.00081	.0047
%RSD	.21077	1.7192	.16216	230.66	29.134	.91270	3.3016	.17085	2.0669	.14899
#1	3.1669	.09514	10.938	.00021	.01188	3.9572	.00343	.99678	.03996	3.1866
#2	3.1574	.09748	10.913	-.00086	.00782	4.0086	.00359	.99920	.03881	3.1933
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	W **-.08396**	**.22981**	**.42896**	**.12898**
Stddev	.00115	.00108	.00098	.00125	.00022
%RSD	53.573	1.2848	.42850	.29210	.17073
#1	.00134	-.08472	.22912	.42808	.12883
#2	.00297	-.08320	.23051	.42985	.12914
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4609.7**	**63672.**	**4715.2**
Stddev	2.0	82.	15.8
%RSD	.04263	.12906	.33524
#1	4611.1	63731.	4726.3
#2	4608.3	63614.	4704.0

Sample Name: CCVH-1338467 Acquired: 4/2/2012 23:20:10 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**48.389**	**-.00275**	**.00000**	**-.00035**	**.00000**	**.99697**	**.01399**	**-.00165**	**.00192**	**.00025**	**.00525**	**48.950**
Stddev	.00056	.066	.00236	.00060	.00005	.0000	.00192	.00402	.00003	.00011	.00001	.00025	.059
%RSD	60.995	.13634	85.784	729900.	14.514	714.69	.19237	28.709	1.8967	5.9862	3.3077	4.6828	.12032
#1	.00052	48.436	-.00108	.00042	-.00038	.00001	.99833	.01683	-.00163	.00200	.00025	.00508	48.908
#2	.00132	48.342	-.00442	-.00042	-.00031	-.00002	.99562	.01115	-.00167	.00183	.00024	.00543	48.992
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.11063**	**.00246**	**-.04417**	**-.00098**	**-.00133**	**254.19**	**.00205**	**.00301**	**.00134**	**5.2841**	**-.00555**	**-.00157**	**-.00180**
Stddev	.00089	.00255	.00197	.00006	.00012	.42	.00010	.00109	.00222	.0163	.00060	.00225	.01452
%RSD	.80201	103.72	4.4607	6.1174	8.9169	.16446	4.7437	36.368	165.63	.30826	10.753	143.00	807.13
#1	-.11000	.00426	-.04556	-.00094	-.00141	254.49	.00198	.00223	-.00023	5.2726	-.00597	-.00316	-.01206
#2	-.11126	.00065	-.04277	-.00103	-.00125	253.90	.00211	.00378	.00291	5.2957	-.00513	.00002	.00847
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00343**	**.00042**	**4.8062**	**.00308**	**.00184**	**9.8155**	**.00722**	**.00211**	**-.02433**
Stddev	.00042	.00003	.0168	.00004	.00032	.0340	.00013	.00037	.00059
%RSD	12.264	7.8067	.34875	1.1606	17.366	.34605	1.8698	17.701	2.4130
#1	.00314	.00044	4.7944	.00310	.00161	9.7915	.00731	.00184	-.02475
#2	.00373	.00039	4.8181	.00305	.00207	9.8395	.00712	.00237	-.02392
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4358.2**	**60691.**	**4361.6**
Stddev	10.0	214.	10.0
%RSD	.22853	.35254	.22994
#1	4365.2	60842.	4368.7
#2	4351.2	60540.	4354.5

Sample Name: CCV-1338469 Acquired: 4/2/2012 23:22:41 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50272**	F **.55717**	**1.0412**	**.52448**	**.49845**	**.49725**	**.00115**	**4.9722**	**.52035**	**.50071**	**.49289**	**.52804**
Stddev	.00146	.00176	.0060	.00023	.00120	.00176	.00308	.0301	.00002	.00016	.00053	.00176
%RSD	.29064	.31645	.58015	.04308	.24085	.35480	266.32	.60616	.00447	.03258	.10714	.33353
#1	.50375	.55593	1.0455	.52432	.49760	.49600	.00333	4.9508	.52033	.50059	.49326	.52928
#2	.50168	.55842	1.0369	.52464	.49930	.49850	-.00102	4.9935	.52036	.50082	.49251	.52679
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4311**	**52.154**	**1.0280**	**20.812**	**.49847**	**.49825**	**5.1132**	**.51614**	**1.0574**	**1.0282**	**.00297**	**1.0557**
Stddev	.0148	.189	.0032	.028	.00020	.00010	.0140	.00040	.0004	.0001	.00014	.0030
%RSD	.60725	.36265	.31631	.13691	.03917	.01933	.27379	.07822	.03377	.01105	4.7009	.28319
#1	2.4207	52.021	1.0257	20.832	.49861	.49832	5.1231	.51586	1.0571	1.0282	.00287	1.0578
#2	2.4416	52.288	1.0303	20.791	.49833	.49818	5.1033	.51643	1.0576	1.0283	.00307	1.0536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0841**	**4.9758**	**.97013**	**.51643**	**-.00676**	**.48509**	**1.0563**	**.01336**	**.47831**	**.49824**	**.49778**
Stddev	.0029	.0110	.00220	.00151	.00010	.00015	.0003	.00240	.00046	.00134	.00085
%RSD	.26971	.22005	.22649	.29285	1.5063	.03128	.02374	17.936	.09626	.26919	.17085
#1	1.0820	4.9680	.97168	.51536	-.00684	.48499	1.0565	.01166	.47798	.49919	.49718
#2	1.0862	4.9835	.96857	.51750	-.00669	.48520	1.0561	.01505	.47863	.49729	.49838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4414.3**	**61853.**	**4366.5**
Stddev	1.7	8.	16.4
%RSD	.03784	.01241	.37558
#1	4413.1	61847.	4354.9
#2	4415.5	61858.	4378.1

Sample Name: CCB Acquired: 4/2/2012 23:25:04 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00141**	**-.00094**	**.00294**	**-.00006**	W **-.00085**	**.00004**	**-.00236**	**.00698**	**.00026**	**-.00009**
Stddev	.00016	.00133	.00116	.00013	.00016	.00000	.00199	.00258	.00001	.00008
%RSD	11.336	141.27	39.654	215.46	19.329	9.9084	84.366	37.001	5.2763	86.843
#1	-.00130	-.00189	.00376	.00003	-.00073	.00005	-.00376	.00515	.00025	-.00003
#2	-.00153	.00000	.00211	-.00015	-.00096	.00004	-.00095	.00880	.00027	-.00015
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	W **.00220**	**-.00085**	**-.16856**	**.00230**	F **-.02205**	F **-.00056**	**.00061**	F **.10302**	**-.00009**
Stddev	.00002	.00006	.00118	.00068	.00072	.00519	.00000	.00034	.01041	.00017
%RSD	5.3930	2.7706	137.74	.40381	31.127	23.557	.80829	55.235	10.107	186.62
#1	.00045	.00216	-.00002	-.16904	.00281	-.01838	-.00056	.00037	.11038	-.00021
#2	.00041	.00225	-.00169	-.16808	.00179	-.02572	-.00056	.00084	.09565	.00003
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.02140	.00051		.10000	
Low Limit		-.00136				-.02140	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00021**	**-.00425**	W **.00546**	**-.00458**	**.00900**	**-.00021**	**.00007**	**-.00838**	**-.00028**
Stddev	.00068	.00036	.00341	.00002	.00377	.00300	.00032	.00003	.00200	.00031
%RSD	329.17	174.72	80.071	.35200	82.401	33.358	150.48	50.587	23.859	109.70
#1	-.00027	-.00046	-.00185	.00548	-.00725	.00688	-.00043	.00004	-.00696	-.00006
#2	.00069	.00005	-.00666	.00545	-.00191	.01112	.00001	.00009	-.00979	-.00050
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.03274**	**-.00056**	**.00142**	**.00173**
Stddev	.00166	.00624	.00004	.00041	.00129
%RSD	1474.9	19.063	7.9683	28.623	74.453
#1	-.00129	-.02832	-.00059	.00171	.00082
#2	.00106	-.03715	-.00053	.00114	.00265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4379.7**	**62421.**	**4319.4**
Stddev	3.0	122.	40.4
%RSD	.06839	.19531	.93636
#1	4381.8	62335.	4348.0
#2	4377.6	62507.	4290.8

Sample Name: CCVL1341782 Acquired: 4/2/2012 23:27:40 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00891**	**.11812**	**.01714**	**.10414**	**.00915**	**.00097**	**.11199**	**.20050**	**.00548**	**.01019**	**.00986**
Stddev	.00049	.00342	.00360	.00105	.00002	.00006	.00002	.00367	.00002	.00008	.00005
%RSD	5.5393	2.8976	21.011	1.0082	.20602	5.9802	.01789	1.8306	.38528	.77410	.54570
#1	.00926	.11570	.01969	.10488	.00916	.00101	.11200	.20310	.00550	.01024	.00983
#2	.00856	.12054	.01459	.10340	.00914	.00093	.11198	.19791	.00547	.01013	.00990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01873**	**.09380**	**2.9673**	W **.01209**	**.19472**	**.00992**	**.01998**	**1.1057**	**.04257**	**3.1295**	**.00959**
Stddev	.00042	.00175	.0380	.00055	.00224	.00003	.00002	.0099	.00019	.0043	.00029
%RSD	2.2688	1.8684	1.2810	4.5132	1.1478	.25473	.12387	.89314	.44144	.13783	2.9965
#1	.01843	.09256	2.9942	.01248	.19314	.00994	.01996	1.0987	.04244	3.1325	.00979
#2	.01903	.09504	2.9404	.01170	.19630	.00990	.02000	1.1127	.04270	3.1264	.00939
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00477**	W **.01231**	**.01468**	**.50893**	**.10072**	**.01061**	F **.00755**	**.00937**	**.01514**	**.04921**	**.00905**
Stddev	.00110	.00066	.00147	.00584	.00023	.00002	.00145	.00038	.00215	.02797	.00024
%RSD	23.163	5.3385	9.9925	1.1484	.22664	.16208	19.248	4.1040	14.172	56.842	2.6885
#1	-.00555	.01278	.01571	.51307	.10056	.01063	.00858	.00964	.01665	.02943	.00922
#2	-.00399	.01185	.01364	.50480	.10088	.01060	.00652	.00910	.01362	.06899	.00888
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000					.01500				
Range		20.000%					-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02153**	**.01485**
Stddev	.00019	.00016
%RSD	.88575	1.0782
#1	.02166	.01496
#2	.02139	.01474
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4456.8**	**63358.**	**4376.1**
Stddev	11.8	234.	12.8
%RSD	.26377	.36989	.29320
#1	4448.5	63193.	4385.1
#2	4465.1	63524.	4367.0

Sample Name: 280-27175-a-7-a Acquired: 4/2/2012 23:30:14 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00214**	**92.521**	**.03082**	**.11680**	**2.3316**	**.00494**	**-.00468**	**142.18**	**.00128**	**.03369**
Stddev	.00005	.079	.00266	.00017	.0023	.00007	.00037	.20	.00033	.00007
%RSD	2.4399	.08496	8.6204	.14754	.09685	1.4807	7.9732	.14190	25.872	.20919
#1	-.00218	92.576	.03270	.11668	2.3332	.00499	-.00442	142.32	.00105	.03374
#2	-.00211	92.465	.02895	.11692	2.3300	.00489	-.00495	142.04	.00151	.03364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19181**	**.11846**	**84.040**	**15.392**	**.12141**	**34.961**	**1.4150**	**.00429**	**3.0675**	**.05661**
Stddev	.00021	.00015	.031	.018	.00017	.062	.0021	.00001	.0001	.00003
%RSD	.10920	.12600	.03723	.11901	.13817	.17820	.15158	.30949	.00357	.05904
#1	.19167	.11857	84.062	15.379	.12153	34.917	1.4135	.00429	3.0676	.05664
#2	.19196	.11836	84.017	15.405	.12130	35.005	1.4165	.00430	3.0674	.05659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3472**	**.09693**	**11.688**	**-.00039**	**.00339**	**3.5366**	**.00385**	**1.0343**	**.06139**	**3.2745**
Stddev	.0056	.00043	.014	.00008	.00263	.0039	.00114	.0014	.00020	.0034
%RSD	.16804	.43913	.12325	19.566	77.707	.10903	29.542	.13504	.32635	.10400
#1	3.3432	.09663	11.678	-.00045	.00525	3.5339	.00305	1.0353	.06125	3.2721
#2	3.3512	.09723	11.698	-.00034	.00153	3.5393	.00466	1.0333	.06153	3.2769
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00255**	W **-.09298**	**.23424**	**.39358**	**.13051**
Stddev	.00101	.01323	.00041	.00103	.00286
%RSD	39.447	14.233	.17295	.26111	2.1935
#1	.00327	-.10234	.23452	.39285	.13254
#2	.00184	-.08362	.23395	.39431	.12849
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4640.9**	**64042.**	**4700.4**
Stddev	6.3	40.	8.9
%RSD	.13672	.06289	.18858
#1	4645.4	64070.	4694.1
#2	4636.4	64013.	4706.7

Sample Name: 280-27175-a-8-a Acquired: 4/2/2012 23:32:43 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**75.117**	**.02678**	**.10281**	**1.6504**	**.00402**	**-.00230**	**140.51**	**.00136**	**.02657**
Stddev	.00001	.183	.00093	.00061	.0040	.00010	.00186	.27	.00007	.00003
%RSD	.28488	.24412	3.4669	.58916	.24112	2.3882	80.789	.19564	4.9122	.09794
#1	-.00217	74.987	.02744	.10323	1.6476	.00408	-.00361	140.31	.00132	.02659
#2	-.00216	75.246	.02613	.10238	1.6532	.00395	-.00098	140.70	.00141	.02655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15573**	**.09400**	**68.658**	**12.469**	**.09603**	**28.421**	**1.2816**	**.00359**	**2.6590**	**.04608**
Stddev	.00019	.00024	.174	.060	.00138	.049	.0013	.00011	.0013	.00002
%RSD	.12024	.25323	.25304	.48337	1.4346	.17110	.10129	3.1387	.05055	.03596
#1	.15586	.09416	68.535	12.512	.09700	28.455	1.2825	.00351	2.6599	.04607
#2	.15560	.09383	68.781	12.427	.09505	28.386	1.2806	.00367	2.6580	.04610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6677**	**.08052**	**8.1827**	**-.00133**	**.00405**	**4.0144**	**.00536**	**.85178**	**.04007**	**2.7506**
Stddev	.0030	.00078	.0079	.00172	.00104	.0522	.00019	.00097	.00043	.0027
%RSD	.11359	.96812	.09692	128.95	25.665	1.3008	3.6101	.11403	1.0825	.09638
#1	2.6656	.08107	8.1883	-.00012	.00478	3.9775	.00522	.85109	.04038	2.7488
#2	2.6699	.07997	8.1771	-.00255	.00331	4.0513	.00549	.85247	.03977	2.7525
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	W **-.07943**	**.19950**	**.31723**	**.10971**
Stddev	.00024	.00386	.00104	.00063	.00181
%RSD	252.18	4.8638	.52099	.19759	1.6523
#1	-.00026	-.08216	.19876	.31679	.10843
#2	.00007	-.07670	.20023	.31767	.11099
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4576.1**	**63107.**	**4651.3**
Stddev	3.4	36.	17.5
%RSD	.07349	.05739	.37636
#1	4578.5	63081.	4663.7
#2	4573.7	63132.	4638.9

Sample Name: 280-27175-a-9-a Acquired: 4/2/2012 23:35:11 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00192**	**95.005**	**.03702**	**.17100**	**2.8051**	**.00508**	**-.00218**	**147.85**	**.00316**	**.03548**
Stddev	.00004	.301	.00126	.00010	.0026	.00001	.00060	.26	.00010	.00014
%RSD	2.2853	.31667	3.4051	.05791	.09152	.21214	27.356	.17619	3.2825	.38789
#1	-.00195	95.218	.03613	.17107	2.8070	.00509	-.00176	148.03	.00309	.03539
#2	-.00188	94.793	.03791	.17093	2.8033	.00507	-.00260	147.66	.00323	.03558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18857**	**.16666**	**80.280**	**14.242**	**.11191**	**34.283**	**1.4742**	**.00509**	**4.0367**	**.06113**
Stddev	.00020	.00142	.255	.050	.00049	.076	.0016	.00015	.0120	.00043
%RSD	.10606	.85372	.31748	.34821	.43711	.22064	.10690	2.9023	.29658	.70942
#1	.18871	.16565	80.460	14.277	.11156	34.230	1.4731	.00498	4.0452	.06082
#2	.18843	.16767	80.100	14.207	.11225	34.337	1.4753	.00519	4.0283	.06143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9267**	**.11041**	**11.183**	**-.00245**	**.00551**	**4.7147**	**.00523**	**1.3989**	**.04445**	**3.9415**
Stddev	.0047	.00097	.005	.00309	.00448	.0192	.00005	.0027	.00009	.0064
%RSD	.12093	.88265	.04852	126.01	81.219	.40720	.94244	.19439	.21095	.16158
#1	3.9234	.10972	11.186	-.00463	.00868	4.7283	.00527	1.4008	.04452	3.9370
#2	3.9301	.11110	11.179	-.00027	.00235	4.7012	.00520	1.3969	.04438	3.9460
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	W **-.09845**	**.25070**	**.35741**	**.14589**
Stddev	.00335	.01031	.00126	.00112	.00202
%RSD	165.84	10.475	.50293	.31354	1.3853
#1	.00439	-.10574	.24981	.35662	.14731
#2	-.00035	-.09116	.25159	.35820	.14446
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4640.3**	**63893.**	**4737.0**
Stddev	1.1	85.	4.7
%RSD	.02436	.13381	.09944
#1	4639.5	63833.	4733.6
#2	4641.1	63954.	4740.3

Sample Name: 280-27175-a-10-a Acquired: 4/2/2012 23:37:40 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00256**	**50.561**	**.02295**	**.07450**	**.54736**	**.00318**	**-.00402**	**33.995**	**.00108**	**.02448**
Stddev	.00036	.152	.00096	.00039	.00139	.00012	.00108	.075	.00001	.00003
%RSD	13.941	.29966	4.1769	.52655	.25447	3.7968	26.952	.21972	1.3137	.12867
#1	-.00231	50.454	.02227	.07478	.54638	.00327	-.00479	33.942	.00107	.02450
#2	-.00282	50.669	.02363	.07422	.54835	.00310	-.00326	34.047	.00109	.02446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06462**	**.05308**	**56.623**	**11.685**	**.06896**	**16.762**	**.72842**	**.00276**	**1.6955**	**.03948**
Stddev	.00038	.00059	.039	.011	.00075	.010	.00032	.00007	.0050	.00055
%RSD	.58050	1.1100	.06880	.09547	1.0931	.05920	.04455	2.6052	.29460	1.3984
#1	.06435	.05266	56.596	11.678	.06842	16.769	.72819	.00281	1.6990	.03909
#2	.06488	.05350	56.651	11.693	.06949	16.755	.72865	.00271	1.6920	.03987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3740**	**.05171**	**15.084**	**.00018**	**.01304**	**2.3923**	**.00381**	**.56206**	**.03663**	**1.6153**
Stddev	.0111	.00097	.055	.00036	.00099	.0225	.00039	.00123	.00049	.0005
%RSD	.46809	1.8780	.36605	197.28	7.6014	.93952	10.212	.21832	1.3408	.03267
#1	2.3662	.05240	15.045	-.00007	.01375	2.4082	.00353	.56119	.03697	1.6157
#2	2.3819	.05102	15.123	.00044	.01234	2.3764	.00408	.56293	.03628	1.6149
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	W **-.09046**	**.11624**	**.17556**	**.06233**
Stddev	.00034	.00935	.00075	.00043	.00194
%RSD	102.36	10.335	.64573	.24550	3.1128
#1	.00009	-.09707	.11677	.17525	.06370
#2	.00057	-.08385	.11571	.17586	.06096
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4736.2**	**65833.**	**4752.0**
Stddev	8.0	170.	22.9
%RSD	.16856	.25825	.48285
#1	4730.5	65713.	4768.3
#2	4741.8	65953.	4735.8

Sample Name: 280-27175-a-11-a Acquired: 4/2/2012 23:40:09 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**67.589**	**.05419**	**.14991**	**1.7242**	**.00537**	**-.00337**	**137.92**	**.00480**	**.04496**
Stddev	.00004	.258	.00176	.00038	.0058	.00007	.00058	.40	.00015	.00014
%RSD	3.0648	.38192	3.2509	.25389	.33827	1.3665	17.237	.29311	3.1117	.30833
#1	-.00125	67.406	.05294	.15018	1.7201	.00532	-.00378	137.64	.00469	.04505
#2	-.00131	67.771	.05543	.14964	1.7284	.00542	-.00296	138.21	.00491	.04486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13744**	**1.0939**	**122.16**	**14.722**	**.09021**	**25.437**	**2.7302**	**.00973**	**1.9949**	**.08600**
Stddev	.00060	.0004	.67	.049	.00152	.024	.0049	.00005	.0075	.00044
%RSD	.43729	.03924	.54481	.33292	1.6853	.09430	.17978	.46560	.37655	.50739
#1	.13702	1.0936	121.69	14.687	.08914	25.454	2.7337	.00976	1.9896	.08569
#2	.13787	1.0942	122.63	14.756	.09129	25.420	2.7267	.00969	2.0002	.08631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6879**	**1.6499**	**5.6190**	**.03051**	W **-.00646**	**9.1974**	**.09868**	**.68685**	**.05762**	**2.6608**
Stddev	.0062	.0059	.0030	.00048	.00589	.0261	.00115	.00236	.00111	.0033
%RSD	.16710	.36014	.05298	1.5616	91.219	.28329	1.1604	.34411	1.9237	.12338
#1	3.6836	1.6457	5.6169	.03085	-.00229	9.1790	.09787	.68518	.05840	2.6631
#2	3.6923	1.6541	5.6211	.03018	-.01063	9.2159	.09949	.68853	.05683	2.6585
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	W **-.08966**	**.23003**	**1.5026**	**.12636**
Stddev	.00232	.01334	.00039	.0061	.00189
%RSD	500.89	14.880	.16785	.40565	1.4934
#1	.00118	-.09909	.23031	1.5069	.12769
#2	-.00211	-.08023	.22976	1.4983	.12502
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4661.6**	**64520.**	**4801.6**
Stddev	16.2	362.	6.6
%RSD	.34755	.56108	.13819
#1	4673.1	64264.	4806.3
#2	4650.2	64776.	4796.9

Sample Name: 280-27175-a-12-a Acquired: 4/2/2012 23:42:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113787 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00233**	**129.67**	**.04519**	**.60060**	**5.7419**	**.00565**	**.00012**	**242.08**	**.00251**	**.04095**
Stddev	.00026	.40	.00280	.00247	.0173	.00000	.00183	1.22	.00015	.00010
%RSD	11.011	.31086	6.1875	.41179	.30082	.02782	1566.2	.50253	5.8245	.25606
#1	-.00215	129.39	.04717	.59886	5.7296	.00565	-.00118	242.94	.00240	.04102
#2	-.00252	129.96	.04321	.60235	5.7541	.00565	.00141	241.22	.00261	.04087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60873**	**.30030**	**89.066**	**14.866**	**.11917**	**44.103**	**1.3817**	**.01002**	**7.8870**	**.08837**
Stddev	.00117	.00034	.274	.071	.00119	.001	.0004	.00026	.0248	.00060
%RSD	.19161	.11404	.30799	.47628	1.0023	.00141	.03119	2.5959	.31456	.67567
#1	.60790	.30005	88.872	14.816	.11833	44.104	1.3814	.00984	7.8694	.08795
#2	.60955	.30054	89.260	14.916	.12002	44.103	1.3820	.01020	7.9045	.08879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.4426**	**.11583**	**37.193**	**.00081**	**.03083**	**2.9041**	**.00215**	**3.3902**	**.04730**	**6.9203**
Stddev	.0076	.00090	.086	.00102	.00364	.0186	.00063	.0099	.00028	.0059
%RSD	.10202	.77359	.23088	126.97	11.813	.63930	29.503	.29283	.59982	.08568
#1	7.4372	.11646	37.132	.00008	.03341	2.9172	.00260	3.3832	.04710	6.9245
#2	7.4480	.11520	37.253	.00153	.02826	2.8909	.00170	3.3973	.04750	6.9161
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	F **-.10192**	**.33791**	**.58960**	**.21350**
Stddev	.00069	.01182	.00059	.00016	.00025
%RSD	13.332	11.602	.17507	.02765	.11699
#1	.00569	-.09356	.33749	.58948	.21367
#2	.00471	-.11028	.33832	.58971	.21332
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4731.7**	**64539.**	**4885.9**
Stddev	5.3	62.	13.8
%RSD	.11213	.09669	.28285
#1	4735.4	64583.	4895.6
#2	4727.9	64494.	4876.1

Sample Name: CCVH-1338467 Acquired: 4/2/2012 23:45:05 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**48.337**	**.00002**	**.00073**	**-.00003**	**.00003**	**1.0036**	**.01095**	**-.00155**	**.00159**	**.00005**	**.00570**	**49.060**
Stddev	.00010	.099	.00338	.00059	.00039	.00000	.0002	.00116	.00011	.00008	.00010	.00031	.081
%RSD	9.6719	.20550	19126.	81.110	1332.8	12.831	.02252	10.633	6.8411	4.9061	197.97	5.4043	.16603
#1	.00114	48.267	.00241	.00114	.00024	.00003	1.0034	.01013	-.00148	.00153	.00013	.00548	49.002
#2	.00099	48.408	-.00237	.00031	-.00030	.00002	1.0037	.01177	-.00163	.00165	-.00002	.00592	49.118
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07046**	**.00375**	**-.04767**	**-.00101**	**-.00143**	**254.14**	**.00176**	**.00601**	**.00127**	**5.3495**	**-.00427**	**-.00748**	**-.00847**
Stddev	.05853	.00086	.00778	.00006	.00024	.83	.00034	.00017	.00166	.0071	.00005	.00182	.00495
%RSD	83.073	22.969	16.317	5.8051	16.833	.32811	19.460	2.7693	130.42	.13299	1.1719	24.374	58.421
#1	-.02907	.00436	-.05317	-.00105	-.00160	253.55	.00200	.00590	.00244	5.3545	-.00430	-.00619	-.00497
#2	-.11185	.00314	-.04217	-.00097	-.00126	254.73	.00152	.00613	.00010	5.3444	-.00423	-.00876	-.01197
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**.00061**	**4.8558**	**.00316**	**.00314**	**9.8592**	**.00774**	**.00289**	**-.02457**
Stddev	.00108	.00000	.0004	.00026	.00070	.0061	.00024	.00035	.00097
%RSD	35.790	.10589	.00874	8.2684	22.254	.06220	3.1558	12.264	3.9480
#1	.00225	.00061	4.8561	.00298	.00363	9.8549	.00757	.00264	-.02526
#2	.00378	.00061	4.8555	.00335	.00264	9.8635	.00792	.00315	-.02389
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4334.0**	**60349.**	**4331.5**
Stddev	3.5	96.	16.4
%RSD	.08055	.15847	.37760
#1	4331.5	60282.	4343.1
#2	4336.5	60417.	4319.9

Sample Name: CCV-1338469 Acquired: 4/2/2012 23:47:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50482**	F **.56281**	**1.0514**	**.52786**	**.50089**	**.49567**	**.00202**	**5.0187**	**.52304**	**.50570**	**.49805**	**.52717**
Stddev	.00004	.00007	.0005	.00069	.00033	.00119	.00402	.0097	.00121	.00115	.00111	.00012
%RSD	.00731	.01174	.05066	.13082	.06520	.23997	199.18	.19251	.23117	.22794	.22336	.02342
#1	.50480	.56277	1.0517	.52835	.50112	.49652	.00486	5.0256	.52218	.50489	.49726	.52708
#2	.50485	.56286	1.0510	.52737	.50066	.49483	-.00082	5.0119	.52389	.50652	.49883	.52726
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4493**	**52.561**	**1.0348**	**20.945**	**.50090**	**.50341**	**5.0719**	**.52058**	**1.0624**	**1.0399**	**.00350**	**1.0592**
Stddev	.0085	.133	.0034	.001	.00029	.00049	.0248	.00167	.0081	.0018	.00089	.0008
%RSD	.34818	.25313	.32468	.00671	.05800	.09735	.48841	.31994	.76034	.17686	25.576	.07390
#1	2.4553	52.655	1.0372	20.946	.50070	.50306	5.0894	.51940	1.0567	1.0386	.00413	1.0598
#2	2.4432	52.467	1.0325	20.944	.50111	.50375	5.0544	.52176	1.0681	1.0412	.00286	1.0587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0885**	**4.9867**	**.97873**	**.51742**	**-.00712**	**.49150**	**1.0632**	**.01160**	**.48535**	**.50478**	**.49448**
Stddev	.0011	.0637	.00274	.00095	.00101	.00037	.0009	.03602	.00013	.00124	.00026
%RSD	.10446	1.2772	.28005	.18357	14.175	.07568	.08370	310.45	.02713	.24467	.05164
#1	1.0877	4.9416	.97679	.51809	-.00784	.49124	1.0626	.03708	.48525	.50390	.49430
#2	1.0893	5.0317	.98066	.51675	-.00641	.49176	1.0638	-.01387	.48544	.50565	.49466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4397.9**	**61626.**	**4351.2**
Stddev	9.6	94.	4.8
%RSD	.21725	.15325	.11119
#1	4404.7	61693.	4354.6
#2	4391.2	61560.	4347.7

Sample Name: CCB Acquired: 4/2/2012 23:49:58 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00116**	**-.00007**	**-.00236**	**-.00049**	W **-.00095**	**.00012**	**-.00102**	**.00549**	**.00029**	**-.00026**
Stddev	.00019	.00091	.00171	.00037	.00002	.00003	.00313	.00108	.00002	.00006
%RSD	16.396	1235.6	72.442	75.843	2.4411	27.712	308.67	19.753	7.3404	24.417
#1	-.00129	.00057	-.00357	-.00023	-.00096	.00010	.00120	.00626	.00027	-.00022
#2	-.00102	-.00072	-.00115	-.00076	-.00093	.00014	-.00323	.00472	.00030	-.00031
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	W **.00235**	**-.00125**	**-.10615**	**.00254**	W **-.02093**	W **-.00047**	**.00070**	**.04677**	**.00003**
Stddev	.00014	.00002	.00284	.03377	.00151	.00002	.00006	.00007	.01487	.00004
%RSD	29.245	.93104	227.18	31.811	59.737	.09041	12.714	10.555	31.783	126.59
#1	.00037	.00233	-.00326	-.13003	.00146	-.02091	-.00051	.00065	.05728	.00000
#2	.00057	.00236	.00076	-.08227	.00361	-.02094	-.00042	.00075	.03626	.00006
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.01070	.00025			
Low Limit		-.00136				-.01070	-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00130**	**.00195**	W **.00418**	W **-.00539**	**.00622**	**.00114**	**.00020**	**-.00628**	**-.00052**
Stddev	.00076	.00042	.00276	.00040	.00100	.02464	.00122	.00006	.00080	.00027
%RSD	129.90	32.297	141.75	9.6317	18.493	396.12	106.66	28.321	12.814	52.091
#1	-.00113	.00101	.00000	.00389	-.00609	-.01120	.00200	.00024	-.00685	-.00033
#2	-.00005	.00160	.00389	.00446	-.00468	.02364	.00028	.00016	-.00571	-.00071
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00815**	**-.00075**	**.00123**	**-.00197**
Stddev	.00115	.00115	.00026	.00045	.00252
%RSD	196.66	14.120	35.073	36.612	128.31
#1	-.00023	-.00896	-.00094	.00091	-.00018
#2	.00139	-.00733	-.00056	.00154	-.00375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4374.6**	**62284.**	**4282.9**
Stddev	2.8	91.	37.2
%RSD	.06401	.14553	.86934
#1	4372.6	62348.	4256.6
#2	4376.6	62220.	4309.2

Sample Name: CCVL1341782 Acquired: 4/2/2012 23:52:36 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00962**	**.11651**	**.01775**	**.10526**	**.00943**	**.00104**	**.11514**	**.20157**	**.00541**	**.01011**	**.01007**
Stddev	.00099	.00080	.00056	.00053	.00007	.00011	.00111	.00394	.00016	.00022	.00022
%RSD	10.307	.68901	3.1432	.50430	.71504	10.456	.96225	1.9563	2.8789	2.1758	2.2010
#1	.01032	.11708	.01735	.10489	.00938	.00097	.11593	.20435	.00552	.00996	.00991
#2	.00892	.11594	.01814	.10564	.00948	.00112	.11436	.19878	.00530	.01027	.01022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01840**	**.09188**	**3.0173**	F **.01380**	**.19594**	**.00987**	**.02012**	**1.0713**	**.04216**	**3.1411**	**.01033**
Stddev	.00024	.00205	.0580	.00095	.00242	.00005	.00045	.0121	.00026	.0007	.00013
%RSD	1.2885	2.2269	1.9216	6.9008	1.2331	.51640	2.2391	1.1255	.61248	.02228	1.2212
#1	.01823	.09332	2.9763	.01312	.19424	.00990	.01980	1.0798	.04234	3.1406	.01024
#2	.01856	.09043	3.0583	.01447	.19765	.00983	.02044	1.0628	.04197	3.1416	.01042
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00551**	**.01199**	F **.00860**	**.50004**	**.10123**	**.01060**	F **.00750**	**.00938**	W **.01800**	**.06898**	**.00862**
Stddev	.00479	.00143	.00007	.01353	.00107	.00003	.00047	.00034	.00081	.01540	.00002
%RSD	86.892	11.947	.84667	2.7067	1.0567	.29464	6.2017	3.6107	4.4995	22.318	.19095
#1	.00889	.01098	.00855	.49047	.10199	.01058	.00783	.00962	.01743	.07987	.00863
#2	.00212	.01301	.00865	.50961	.10048	.01062	.00717	.00915	.01858	.05810	.00861
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value			.01500				.01500		.01500		
Range			-30.000%				-30.000%		20.000%		

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02229**	**.01505**
Stddev	.00032	.00073
%RSD	1.4151	4.8302
#1	.02207	.01557
#2	.02251	.01454
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4437.3**	**63139.**	**4358.9**
Stddev	3.7	84.	11.4
%RSD	.08230	.13366	.26061
#1	4434.7	63198.	4350.8
#2	4439.9	63079.	4366.9

Sample Name: mb 280-113784/1-a Acquired: 4/2/2012 23:55:11 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00134**	**.00073**	**.00320**	**-.00174**	**-.00105**	**.00008**	**.00087**	**.00485**	**.00010**	**-.00054**
Stddev	.00017	.00023	.00456	.00009	.00003	.00004	.00044	.00306	.00005	.00007
%RSD	13.072	31.683	142.43	5.1144	2.6955	55.144	50.845	63.067	51.689	12.846
#1	-.00146	.00089	-.00002	-.00180	-.00103	.00011	.00056	.00268	.00006	-.00049
#2	-.00121	.00056	.00643	-.00167	-.00107	.00005	.00118	.00701	.00013	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00244**	W **.05644**	**-.17086**	**.00116**	**-.02011**	**-.00021**	**.00016**	**.02481**	**.00054**
Stddev	.00028	.00024	.00007	.03335	.00196	.00247	.00006	.00010	.00296	.00012
%RSD	33.504	9.8630	.11917	19.521	169.08	12.265	28.544	61.052	11.923	22.354
#1	.00064	.00227	.05640	-.14727	-.00023	-.02186	-.00017	.00023	.02690	.00063
#2	.00103	.00260	.05649	-.19444	.00255	-.01837	-.00026	.00009	.02272	.00046
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00192**	**-.00455**	**-.00055**	W **-.00503**	**-.00572**	**.00025**	**.00019**	W **-.00822**	**-.00026**
Stddev	.00220	.00031	.00135	.00168	.00427	.00678	.00092	.00002	.00015	.00002
%RSD	616.89	16.329	29.680	302.78	84.786	118.48	363.60	9.3442	1.8162	8.5422
#1	-.00120	.00214	-.00551	-.00174	-.00805	-.00093	.00090	.00020	-.00833	-.00028
#2	.00191	.00170	-.00360	.00063	-.00201	-.01051	-.00040	.00018	-.00812	-.00024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500				.00500	
Low Limit					-.00500				-.00500	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**-.00489**	**-.00042**	**.00454**	**-.00159**
Stddev	.00144	.00370	.00015	.00049	.00146
%RSD	151.86	75.743	35.421	10.712	91.718
#1	-.00196	-.00227	-.00053	.00488	-.00263
#2	.00007	-.00751	-.00032	.00420	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4472.0**	**63583.**	**4430.7**
Stddev	5.9	138.	37.7
%RSD	.13213	.21748	.85191
#1	4476.2	63485.	4404.0
#2	4467.8	63681.	4457.4

Sample Name: lcs 280-113784/2-a Acquired: 4/2/2012 23:57:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05166**	F **2.1800**	**1.0800**	**1.0865**	**2.0470**	**.05101**	**2.1375**	**50.421**	**.10950**	**.50018**
Stddev	.00002	.0019	.0042	.0002	.0029	.00007	.0032	.070	.00008	.00035
%RSD	.03054	.08718	.38483	.01866	.13927	.13853	.14922	.13815	.07340	.07032
#1	.05165	2.1787	1.0829	1.0866	2.0449	.05096	2.1352	50.371	.10955	.50043
#2	.05167	2.1814	1.0771	1.0863	2.0490	.05106	2.1398	50.470	.10944	.49993
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.1600								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20107**	**.27133**	**.99336**	**53.874**	**1.0526**	**52.642**	**.51331**	**1.0222**	**53.118**	**.52138**
Stddev	.00044	.00014	.00051	.246	.0000	.005	.00037	.0004	.093	.00019
%RSD	.21754	.05088	.05177	.45637	.00277	.00890	.07117	.03702	.17454	.03731
#1	.20138	.27123	.99300	53.700	1.0526	52.638	.51357	1.0225	53.183	.52151
#2	.20076	.27143	.99373	54.048	1.0526	52.645	.51306	1.0220	53.052	.52124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.175**	**.51793**	**.00184**	F **.54255**	F **2.2506**	**10.191**	**1.9735**	**1.0607**	**.98997**	**1.0052**
Stddev	.011	.00150	.00219	.00178	.0072	.031	.0030	.0022	.00016	.0003
%RSD	.09420	.28982	118.95	.32753	.31919	.30685	.15158	.20361	.01623	.02713
#1	11.168	.51899	.00338	.54130	2.2557	10.169	1.9714	1.0592	.98985	1.0054
#2	11.183	.51686	.00029	.54381	2.2455	10.214	1.9756	1.0622	.99008	1.0050
Check ?	Chk Fail	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	11.100			.54000	2.2000					
Low Limit	9.1000			.44000	1.8000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0939**	**2.0603**	**.50189**	**.50965**	**.49788**
Stddev	.0054	.0124	.00007	.00192	.00196
%RSD	.25809	.60322	.01459	.37610	.39438
#1	2.0901	2.0516	.50184	.51101	.49649
#2	2.0977	2.0691	.50194	.50830	.49926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4304.3**	**60463.**	**4355.6**
Stddev	10.7	74.	24.1
%RSD	.24920	.12191	.55395
#1	4296.7	60515.	4372.6
#2	4311.9	60411.	4338.5

Sample Name: 280-27158-a-4-a Acquired: 4/3/2012 0:00:12 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**.00277**	**-.00069**	**.39673**	**-.00021**	**.00003**	**-.00498**	**35.468**	**.00019**	**-.00013**
Stddev	.00015	.00041	.00748	.00010	.00006	.00019	.00242	.125	.00019	.00011
%RSD	10.057	14.718	1084.8	.02597	29.576	590.18	48.597	.35373	101.51	84.116
#1	-.00136	.00249	-.00598	.39680	-.00016	.00017	-.00327	35.379	.00005	-.00005
#2	-.00157	.00306	.00460	.39665	-.00025	-.00010	-.00669	35.557	.00032	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**.00683**	**.00634**	W **340.10**	**.03601**	**13.571**	**.14056**	**.00848**	**37.295**	**.00114**
Stddev	.00024	.00040	.00178	1.24	.00141	.001	.00002	.00050	.129	.00012
%RSD	6.4202	5.8756	28.105	.36394	3.9174	.01041	.01694	5.8730	.34619	10.232
#1	.00350	.00711	.00508	339.22	.03701	13.570	.14058	.00812	37.386	.00123
#2	.00384	.00655	.00760	340.97	.03501	13.572	.14054	.00883	37.204	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01881**	**.00064**	**42.372**	**-.00275**	**.00237**	**6.0957**	**-.00020**	**.16251**	**-.00697**	**-.00075**
Stddev	.00015	.00176	.044	.00067	.00005	.0356	.00040	.00062	.00006	.00028
%RSD	.81207	276.84	.10311	24.423	1.9071	.58398	197.54	.37901	.87819	37.741
#1	.01870	.00188	42.403	-.00322	.00234	6.0705	-.00049	.16207	-.00693	-.00094
#2	.01892	-.00061	42.342	-.00227	.00240	6.1209	.00008	.16294	-.00701	-.00055
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00435**	**-.02951**	**.00056**	**.00426**	**.00004**
Stddev	.00085	.01194	.00060	.00052	.00163
%RSD	19.635	40.456	105.62	12.173	3630.3
#1	.00375	-.02107	.00014	.00463	.00120
#2	.00496	-.03795	.00099	.00389	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4284.2**	**59571.**	**4378.0**
Stddev	6.8	160.	24.0
%RSD	.15842	.26851	.54839
#1	4279.4	59458.	4395.0
#2	4289.0	59684.	4361.0

Sample Name: 280-27158-a-4-aSD@5 Acquired: 4/3/2012 0:03:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**.00770**	**.00442**	**.08094**	**-.00084**	**.00010**	**-.00079**	**7.3123**	**.00013**	**-.00005**
Stddev	.00021	.00792	.00221	.00087	.00003	.00002	.00085	.0256	.00012	.00005
%RSD	18.232	102.91	50.105	1.0796	3.7339	20.218	107.30	.34953	91.702	91.437
#1	-.00099	.01330	.00598	.08032	-.00086	.00012	-.00140	7.3304	.00022	-.00009
#2	-.00129	.00210	.00285	.08156	-.00082	.00009	-.00019	7.2942	.00005	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00270**	**.00495**	**69.474**	**.00741**	**2.8430**	**.02875**	**.00144**	**7.5220**	**.00013**
Stddev	.00019	.00010	.00448	.230	.00065	.0054	.00008	.00025	.0245	.00050
%RSD	16.104	3.5457	90.432	.33158	8.7716	.18865	.26704	17.150	.32534	386.22
#1	.00103	.00264	.00179	69.637	.00787	2.8392	.02869	.00161	7.5393	-.00022
#2	.00130	.00277	.00812	69.311	.00695	2.8468	.02880	.00126	7.5047	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00425**	**.00009**	**8.3737**	**-.00067**	**-.00408**	**1.2204**	**-.00033**	**.03363**	**-.00652**	**-.00091**
Stddev	.00184	.00011	.0151	.00024	.00047	.0112	.00083	.00006	.00181	.00012
%RSD	43.272	116.50	.18074	36.483	11.434	.91904	254.56	.17782	27.696	12.894
#1	.00295	.00002	8.3630	-.00049	-.00441	1.2283	-.00092	.03358	-.00779	-.00099
#2	.00555	.00017	8.3844	-.00084	-.00375	1.2125	.00026	.03367	-.00524	-.00083
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**-.00794**	**-.00049**	**.00676**	**.00006**
Stddev	.00088	.02836	.00070	.00003	.00135
%RSD	132.59	357.41	141.37	.45089	2148.4
#1	.00004	.01212	.00000	.00674	-.00089
#2	.00128	-.02799	-.00099	.00678	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4320.9**	**60815.**	**4344.5**
Stddev	4.5	43.	.4
%RSD	.10522	.07078	.01007
#1	4324.1	60785.	4344.8
#2	4317.7	60846.	4344.2

Sample Name: 280-27158-a-4-b ms Acquired: 4/3/2012 0:06:02 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05274**	**2.1015**	**1.0940**	**1.4559**	**2.0371**	**.05066**	**2.0788**	**85.762**	**.10888**	**.49404**
Stddev	.00093	.0064	.0006	.0016	.0046	.00013	.0023	.193	.00034	.00034
%RSD	1.7647	.30392	.05507	.11250	.22527	.25037	.11134	.22458	.31683	.06964
#1	.05209	2.0970	1.0936	1.4571	2.0403	.05075	2.0805	85.899	.10913	.49429
#2	.05340	2.1060	1.0944	1.4548	2.0338	.05057	2.0772	85.626	.10864	.49380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20364**	**.27632**	**1.0539**	W **393.81**	**1.0827**	**64.824**	**.65298**	**1.0232**	**88.594**	**.51371**
Stddev	.00063	.00043	.0009	.73	.0016	.037	.00013	.0000	.180	.00065
%RSD	.30837	.15482	.08250	.18649	.14789	.05753	.02000	.00007	.20341	.12575
#1	.20409	.27601	1.0533	394.33	1.0839	64.798	.65288	1.0232	88.722	.51325
#2	.20320	.27662	1.0545	393.29	1.0816	64.850	.65307	1.0232	88.467	.51417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.338**	**.49855**	**42.013**	**.54005**	**2.2217**	**16.152**	**1.9496**	**1.2131**	**.99240**	**1.0114**
Stddev	.007	.00300	.079	.00136	.0109	.089	.0041	.0023	.00185	.0011
%RSD	.05803	.60148	.18705	.25246	.49083	.55317	.21199	.19164	.18670	.10791
#1	11.343	.50067	42.069	.54102	2.2294	16.215	1.9525	1.2148	.99371	1.0106
#2	11.334	.49643	41.957	.53909	2.2140	16.089	1.9466	1.2115	.99109	1.0122
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9434**	**2.0363**	**.50627**	**.51683**	**.49376**
Stddev	.0056	.0103	.00072	.00143	.00192
%RSD	.29090	.50464	.14150	.27747	.38829
#1	1.9474	2.0436	.50678	.51785	.49511
#2	1.9394	2.0291	.50576	.51582	.49240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4187.1**	**58063.**	**4335.5**
Stddev	4.2	252.	11.5
%RSD	.09990	.43434	.26533
#1	4184.2	58242.	4327.4
#2	4190.1	57885.	4343.7

Sample Name: 280-27158-a-4-c msd Acquired: 4/3/2012 0:09:07 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05172**	**2.1007**	**1.0950**	**1.4589**	**2.0317**	**.05033**	**2.0791**	**85.563**	**.10893**	**.49365**
Stddev	.00022	.0047	.0056	.0014	.0079	.00025	.0021	.357	.00009	.00035
%RSD	.42755	.22493	.50659	.09478	.38964	.49436	.10291	.41735	.07805	.07102
#1	.05188	2.0974	1.0990	1.4579	2.0373	.05051	2.0776	85.815	.10899	.49389
#2	.05157	2.1041	1.0911	1.4599	2.0261	.05016	2.0806	85.310	.10887	.49340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20301**	**.27393**	**.98520**	W **393.57**	**1.0803**	**64.437**	**.64822**	**1.0251**	**88.246**	**.51430**
Stddev	.00042	.00025	.00555	1.63	.0050	.089	.00056	.0001	.308	.00027
%RSD	.20616	.08968	.56360	.41386	.46081	.13816	.08689	.01444	.34955	.05320
#1	.20272	.27410	.98913	394.72	1.0838	64.374	.64782	1.0252	88.028	.51450
#2	.20331	.27376	.98127	392.42	1.0768	64.500	.64861	1.0250	88.464	.51411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.360**	**.49934**	**42.115**	**.54087**	**2.2378**	**16.149**	**1.9469**	**1.2088**	**.99001**	**1.0101**
Stddev	.000	.00334	.065	.00625	.0023	.013	.0006	.0041	.00145	.0002
%RSD	.00148	.66976	.15349	1.1563	.10433	.08078	.03147	.33693	.14636	.02096
#1	11.360	.49698	42.069	.53645	2.2394	16.159	1.9465	1.2117	.98899	1.0103
#2	11.360	.50170	42.161	.54529	2.2361	16.140	1.9474	1.2059	.99104	1.0100
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9478**	**2.0263**	**.50627**	**.51242**	**.49354**
Stddev	.0012	.0017	.00087	.00016	.00286
%RSD	.06280	.08463	.17090	.03097	.57929
#1	1.9469	2.0275	.50566	.51231	.49556
#2	1.9486	2.0251	.50688	.51254	.49151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4255.8**	**59434.**	**4423.1**
Stddev	6.7	197.	2.9
%RSD	.15759	.33125	.06601
#1	4260.5	59573.	4421.1
#2	4251.0	59294.	4425.2

Sample Name: 280-27158-a-7-a Acquired: 4/3/2012 0:12:08 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**.05747**	**.00060**	**.32936**	**.05876**	**.00006**	**-.00497**	**84.002**	**.00029**	**.00132**
Stddev	.00057	.00188	.00300	.00071	.00003	.00002	.00118	.021	.00024	.00002
%RSD	119.17	3.2658	500.08	.21684	.04511	30.768	23.729	.02539	83.344	1.6671
#1	-.00008	.05880	.00272	.32986	.05878	.00004	-.00414	84.017	.00012	.00133
#2	-.00088	.05614	-.00152	.32885	.05875	.00007	-.00580	83.986	.00045	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00491**	**.08728**	**26.701**	**.02885**	**35.858**	**4.5762**	**.00431**	**22.664**	**.01103**
Stddev	.00000	.00012	.00221	.064	.00025	.011	.0248	.00019	.296	.00034
%RSD	.58666	2.4156	2.5304	.23955	.85300	.03135	.54083	4.4773	1.3046	3.0842
#1	.00039	.00483	.08885	26.746	.02902	35.866	4.5937	.00444	22.873	.01079
#2	.00039	.00499	.08572	26.656	.02868	35.850	4.5587	.00417	22.455	.01127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02469**	**-.00040**	**33.029**	**-.00254**	**-.00242**	**6.6928**	**-.00048**	**.64591**	**-.00835**	**.00143**
Stddev	.00021	.00119	.063	.00167	.00235	.0132	.00032	.00037	.00046	.00005
%RSD	.85353	299.89	.19160	65.656	97.049	.19689	67.961	.05683	5.4648	3.5894
#1	.02484	.00045	33.074	-.00373	-.00076	6.6835	-.00025	.64565	-.00867	.00147
#2	.02454	-.00124	32.984	-.00136	-.00408	6.7021	-.00071	.64617	-.00803	.00140
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00291**	**-.04156**	**-.00172**	**.01163**	**.00039**
Stddev	.00014	.00041	.00015	.00050	.00139
%RSD	4.9761	.97597	8.5468	4.2840	359.54
#1	-.00280	-.04185	-.00183	.01198	-.00059
#2	-.00301	-.04128	-.00162	.01128	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4377.8**	**61812.**	**4463.9**
Stddev	1.1	75.	2.1
%RSD	.02447	.12195	.04663
#1	4377.1	61865.	4462.5
#2	4378.6	61758.	4465.4

Sample Name: 280-27158-a-18-a Acquired: 4/3/2012 0:14:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.01048**	**-.00101**	**.16065**	**.10114**	**.00002**	**-.00468**	**119.28**	**.00025**	**-.00017**
Stddev	.00019	.00123	.00478	.00044	.00045	.00011	.00250	.00	.00011	.00013
%RSD	17.909	11.695	471.98	.27392	.44295	469.99	53.441	.00389	43.133	73.351
#1	-.00122	.00962	-.00439	.16096	.10145	-.00005	-.00291	119.28	.00033	-.00026
#2	-.00095	.01135	.00237	.16034	.10082	.00010	-.00644	119.27	.00017	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**.00264**	**.03071**	**4.4624**	**.02875**	**28.309**	**.00213**	**.00015**	**35.041**	**.00100**
Stddev	.00010	.00070	.00034	.0263	.00265	.024	.00002	.00021	.255	.00041
%RSD	3.0424	26.677	1.0980	.58869	9.2163	.08493	1.0985	138.88	.72902	40.824
#1	.00314	.00214	.03047	4.4438	.03063	28.326	.00215	.00000	35.222	.00128
#2	.00328	.00313	.03095	4.4810	.02688	28.292	.00212	.00029	34.861	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01498**	**-.00019**	**46.094**	**-.00265**	**-.00209**	**10.561**	**.00040**	**1.1204**	**-.00912**	**-.00044**
Stddev	.00097	.00041	.084	.00173	.00155	.014	.00037	.0019	.00204	.00021
%RSD	6.4512	217.46	.18193	65.442	74.051	.12854	92.665	.16915	22.390	47.874
#1	.01566	-.00048	46.035	-.00142	-.00318	10.570	.00014	1.1190	-.00767	-.00059
#2	.01429	.00010	46.153	-.00388	-.00099	10.551	.00066	1.1217	-.01056	-.00029
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**-.01145**	**-.00044**	**.00342**	**.00038**
Stddev	.00148	.01091	.00097	.00038	.00081
%RSD	163.53	95.282	220.84	11.125	214.09
#1	-.00014	-.01916	-.00112	.00315	.00095
#2	.00196	-.00374	.00025	.00369	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4301.3**	**60792.**	**4419.0**
Stddev	4.2	113.	11.7
%RSD	.09729	.18590	.26439
#1	4304.3	60872.	4427.3
#2	4298.4	60712.	4410.7

Sample Name: CCVH-1338467 Acquired: 4/3/2012 0:17:23 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**48.139**	**.00131**	**.00169**	**-.00033**	**.00001**	**1.0032**	**.02009**	**-.00161**	**.00197**	**.00037**	**.00487**	**48.742**
Stddev	.00024	.037	.00029	.00037	.00027	.00002	.0034	.00748	.00020	.00017	.00001	.00074	.173
%RSD	69.792	.07649	21.932	22.110	81.542	166.05	.34076	37.235	12.448	8.8367	3.3526	15.129	.35515
#1	.00017	48.113	.00151	.00195	-.00052	.00000	1.0008	.02538	-.00146	.00185	.00038	.00435	48.620
#2	.00052	48.165	.00111	.00142	-.00014	.00002	1.0057	.01480	-.00175	.00209	.00036	.00539	48.865
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00937**	**.00300**	**-.04311**	**-.00093**	**-.00153**	**252.64**	**.00176**	**.00269**	**.00043**	**5.2746**	**-.00631**	**-.00570**	**.00471**
Stddev	.00769	.00036	.00352	.00001	.00003	.48	.00045	.00161	.00075	.0119	.00090	.00049	.01580
%RSD	82.094	11.856	8.1569	.87983	2.1977	.19125	25.728	59.997	172.92	.22537	14.277	8.6412	335.37
#1	-.00393	.00275	-.04559	-.00093	-.00155	252.29	.00208	.00383	.00096	5.2662	-.00567	-.00535	.01589
#2	-.01480	.00326	-.04062	-.00094	-.00150	252.98	.00144	.00155	-.00010	5.2830	-.00694	-.00605	-.00646
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	**.00055**	**4.8867**	**.00270**	**.00248**	**9.8544**	**.00719**	**.00222**	**-.02972**
Stddev	.00044	.00005	.0043	.00039	.00036	.0022	.00017	.00067	.00254
%RSD	15.181	9.5367	.08804	14.523	14.563	.02196	2.3756	30.160	8.5320
#1	.00317	.00051	4.8837	.00242	.00223	9.8560	.00707	.00269	-.03151
#2	.00256	.00058	4.8898	.00297	.00274	9.8529	.00731	.00174	-.02792
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4339.2**	**60295.**	**4388.9**
Stddev	10.0	69.	3.4
%RSD	.23133	.11395	.07735
#1	4346.3	60344.	4386.5
#2	4332.1	60247.	4391.3

Sample Name: CCV-1338469 Acquired: 4/3/2012 0:19:56 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50731**	F **.55545**	**1.0352**	**.52510**	**.50176**	**.49206**	**.00126**	**5.0040**	**.51815**	**.50389**	**.49740**	**.52234**
Stddev	.00088	.00180	.0005	.00026	.00187	.00189	.00085	.0076	.00140	.00128	.00048	.00043
%RSD	.17394	.32427	.05208	.05018	.37337	.38459	67.887	.15225	.26994	.25346	.09645	.08324
#1	.50794	.55418	1.0356	.52528	.50308	.49340	.00186	5.0093	.51914	.50480	.49774	.52265
#2	.50669	.55673	1.0348	.52491	.50043	.49073	.00065	4.9986	.51716	.50299	.49706	.52204
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4268**	**51.815**	**1.0254**	**20.719**	**.49878**	**.50049**	**5.1090**	**.51700**	**1.0534**	**1.0325**	**-.00128**	**1.0507**
Stddev	.0039	.180	.0071	.035	.00084	.00022	.0236	.00067	.0046	.0038	.00649	.0003
%RSD	.16163	.34673	.68830	.16732	.16822	.04377	.46273	.13038	.44169	.36879	505.77	.02633
#1	2.4295	51.942	1.0304	20.743	.49819	.50065	5.1257	.51748	1.0566	1.0351	.00330	1.0509
#2	2.4240	51.688	1.0204	20.694	.49938	.50034	5.0923	.51653	1.0501	1.0298	-.00587	1.0505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0668**	**4.9636**	**.98130**	**.51289**	**-.00687**	**.49326**	**1.0543**	**.02642**	**.48927**	**.50517**	**.49411**
Stddev	.0086	.0123	.00128	.00161	.00056	.00013	.0020	.02001	.00002	.00024	.00119
%RSD	.80745	.24691	.13000	.31448	8.1051	.02621	.18867	75.752	.00324	.04827	.24086
#1	1.0729	4.9723	.98220	.51403	-.00647	.49317	1.0557	.01227	.48926	.50500	.49495
#2	1.0607	4.9550	.98040	.51175	-.00726	.49335	1.0529	.04057	.48928	.50534	.49327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4404.1**	**61427.**	**4378.6**
Stddev	4.8	40.	3.4
%RSD	.10973	.06587	.07743
#1	4400.7	61456.	4381.0
#2	4407.5	61399.	4376.2

Sample Name: CCB Acquired: 4/3/2012 0:22:19 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.00077**	**.00086**	**.00035**	W **-.00073**	**.00018**	**-.00291**	**.00576**	**.00037**	**-.00025**
Stddev	.00068	.00018	.00357	.00056	.00014	.00005	.00117	.00155	.00003	.00001
%RSD	77.785	22.820	416.76	156.99	19.748	25.978	40.381	26.979	8.0441	5.1073
#1	-.00039	.00090	.00338	.00075	-.00062	.00021	-.00374	.00466	.00039	-.00024
#2	-.00136	.00065	-.00167	-.00004	-.00083	.00014	-.00208	.00686	.00035	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	W **.00199**	**.00092**	**-.03717**	**.00135**	W **-.01715**	W **-.00036**	**.00087**	**.09103**	**.00014**
Stddev	.00020	.00004	.00002	.04293	.00100	.00077	.00003	.00023	.00949	.00028
%RSD	41.759	1.9928	2.5500	115.49	73.755	4.4823	8.2611	26.089	10.426	203.73
#1	.00034	.00197	.00090	-.00682	.00206	-.01661	-.00034	.00071	.08432	-.00006
#2	.00062	.00202	.00093	-.06752	.00065	-.01769	-.00038	.00103	.09774	.00033
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00136				.01070	.00025			
Low Limit		-.00136				-.01070	-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00190**	**-.00043**	**.00246**	W **.00521**	**-.00320**	**.00163**	**.00091**	**.00022**	**-.00698**	**-.00033**
Stddev	.00160	.00007	.00382	.00154	.00547	.00447	.00017	.00004	.00018	.00038
%RSD	84.171	16.120	155.10	29.585	170.68	273.60	18.326	19.567	2.6182	116.83
#1	.00077	-.00048	.00517	.00412	.00066	-.00153	.00079	.00025	-.00711	-.00060
#2	.00303	-.00038	-.00024	.00630	-.00707	.00479	.00103	.00019	-.00685	-.00006
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**-.02358**	**-.00044**	**.00130**	**-.00143**
Stddev	.00036	.00988	.00036	.00014	.00002
%RSD	74.730	41.892	81.203	10.397	1.3192
#1	-.00023	-.03057	-.00019	.00140	-.00145
#2	-.00074	-.01660	-.00070	.00120	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4368.3**	**62344.**	**4339.4**
Stddev	18.3	36.	10.4
%RSD	.41882	.05714	.23958
#1	4355.4	62318.	4332.1
#2	4381.3	62369.	4346.8

Sample Name: CCVL1341782 Acquired: 4/3/2012 0:24:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00897**	**.11515**	**.01581**	**.10481**	**.00960**	**.00110**	**.11114**	**.20274**	**.00524**	**.01016**	**.01008**
Stddev	.00078	.00040	.00430	.00039	.00029	.00007	.00036	.00332	.00002	.00024	.00009
%RSD	8.6640	.34864	27.192	.37451	3.0612	6.1228	.32191	1.6372	.37270	2.3707	.84603
#1	.00952	.11543	.01277	.10509	.00981	.00115	.11140	.20039	.00525	.00999	.01002
#2	.00842	.11487	.01885	.10453	.00940	.00106	.11089	.20508	.00522	.01033	.01014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01852**	**.09412**	**3.1095**	F **.01321**	**.19365**	**.00984**	**.02010**	**1.0868**	**.04257**	**3.1380**	**.00895**
Stddev	.00014	.00156	.0645	.00140	.00273	.00000	.00024	.0109	.00056	.0050	.00031
%RSD	.73387	1.6536	2.0752	10.602	1.4105	.00626	1.2032	1.0014	1.3064	.15774	3.4524
#1	.01842	.09522	3.0639	.01222	.19558	.00984	.02027	1.0791	.04218	3.1415	.00873
#2	.01861	.09302	3.1551	.01420	.19172	.00984	.01993	1.0945	.04297	3.1345	.00917
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500			.01000							
Range	20.000%			30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	W **.01285**	W **.01158**	**.50797**	**.10086**	**.01052**	F **.00680**	**.00941**	**.01623**	**.05523**	**.00889**
Stddev	.00247	.00215	.00226	.00073	.00198	.00000	.00057	.00003	.00006	.01995	.00016
%RSD	253.31	16.713	19.496	.14350	1.9665	.00220	8.3323	.33185	.35124	36.125	1.7959
#1	-.00272	.01437	.01318	.50746	.10226	.01052	.00640	.00943	.01619	.06934	.00878
#2	.00077	.01133	.00998	.50849	.09946	.01052	.00720	.00939	.01627	.04112	.00901
Check ?	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000	.01500				.01500				
Range		20.000%	-20.000%				-30.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02203**	**.01490**
Stddev	.00063	.00014
%RSD	2.8712	.90698
#1	.02159	.01499
#2	.02248	.01480
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4449.6**	**63283.**	**4389.6**
Stddev	4.0	56.	3.2
%RSD	.08995	.08922	.07318
#1	4452.5	63243.	4387.3
#2	4446.8	63322.	4391.9

Sample Name: 280-27158-a-19-a Acquired: 4/3/2012 0:27:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**.06124**	**.00305**	**.30018**	**.11110**	**.00003**	**-.00278**	**111.28**	**.00028**	**-.00004**
Stddev	.00016	.00090	.00017	.00085	.00062	.00009	.00084	.06	.00014	.00003
%RSD	11.018	1.4619	5.7038	.28159	.56147	294.50	30.397	.05163	50.619	71.911
#1	-.00131	.06061	.00293	.29959	.11154	-.00003	-.00337	111.24	.00018	-.00002
#2	-.00153	.06187	.00317	.30078	.11066	.00010	-.00218	111.32	.00038	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00324**	**.06201**	**12.098**	**.03550**	**29.485**	**.03868**	**.00420**	**46.876**	**.00329**
Stddev	.00010	.00025	.00438	.031	.00134	.018	.00007	.00033	.030	.00010
%RSD	19.424	7.7780	7.0555	.25794	3.7690	.05958	.17967	7.7741	.06471	2.9658
#1	.00046	.00342	.05891	12.120	.03456	29.497	.03863	.00444	46.855	.00322
#2	.00060	.00306	.06510	12.076	.03645	29.472	.03872	.00397	46.898	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00906**	**-.00005**	**47.621**	**-.00135**	**-.00408**	**6.5164**	**-.00001**	**1.3845**	**-.00777**	**.00042**
Stddev	.00257	.00114	.028	.00119	.00179	.0169	.00071	.0002	.00095	.00016
%RSD	28.329	2476.5	.05962	88.769	43.856	.25852	6294.9	.01149	12.274	37.977
#1	.00724	-.00085	47.601	-.00219	-.00282	6.5284	-.00051	1.3844	-.00844	.00031
#2	.01087	.00076	47.641	-.00050	-.00535	6.5045	.00049	1.3846	-.00710	.00053
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.01344**	**.00044**	**.00567**	**-.00125**
Stddev	.00243	.02510	.00002	.00045	.00155
%RSD	1143.1	186.67	4.7690	7.9804	123.38
#1	.00193	.03119	.00042	.00535	-.00235
#2	-.00150	-.00430	.00045	.00599	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4292.1**	**60782.**	**4407.2**
Stddev	4.8	60.	11.7
%RSD	.11295	.09862	.26483
#1	4295.5	60825.	4415.5
#2	4288.6	60740.	4398.9

Sample Name: 280-27158-a-20-a Acquired: 4/3/2012 0:30:03 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.00698**	**.00185**	**.19350**	**.11195**	**.00011**	**-.00241**	**99.524**	**.00063**	**.00023**
Stddev	.00021	.00013	.00008	.00092	.00053	.00001	.00189	.274	.00025	.00003
%RSD	19.607	1.8140	4.5930	.47474	.47153	9.0804	78.447	.27524	39.578	13.723
#1	-.00093	.00689	.00179	.19415	.11158	.00011	-.00107	99.330	.00081	.00021
#2	-.00123	.00707	.00191	.19285	.11233	.00010	-.00375	99.718	.00046	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00379**	**.10049**	**4.5364**	**.02957**	**24.811**	**.11448**	**.01840**	**20.979**	**.00313**
Stddev	.00007	.00043	.00104	.0032	.00088	.016	.00014	.00023	.029	.00004
%RSD	101.47	11.223	1.0324	.06984	2.9652	.06538	.12201	1.2362	.13717	1.3593
#1	.00002	.00409	.10123	4.5341	.03019	24.799	.11458	.01856	20.958	.00310
#2	.00012	.00349	.09976	4.5386	.02895	24.822	.11438	.01824	20.999	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02523**	**.00001**	**29.865**	**-.00131**	**-.00353**	**4.1239**	**-.00081**	**.91662**	**-.00849**	**-.00043**
Stddev	.00062	.00141	.109	.00054	.00285	.0213	.00057	.00232	.00079	.00008
%RSD	2.4618	10391.	.36592	41.589	80.615	.51526	70.367	.25335	9.3022	17.947
#1	.02567	-.00098	29.942	-.00092	-.00554	4.1389	-.00041	.91498	-.00905	-.00048
#2	.02479	.00101	29.788	-.00169	-.00152	4.1089	-.00122	.91826	-.00794	-.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.02617**	**.00009**	**.00335**	**-.00090**
Stddev	.00041	.00309	.00003	.00007	.00087
%RSD	473.30	11.806	31.741	2.1287	95.835
#1	.00038	-.02835	.00011	.00341	-.00029
#2	-.00020	-.02398	.00007	.00330	-.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4302.9**	**60848.**	**4398.9**
Stddev	3.9	129.	4.6
%RSD	.09038	.21168	.10402
#1	4305.7	60939.	4402.1
#2	4300.2	60757.	4395.6

Sample Name: 280-27158-a-21-a Acquired: 4/3/2012 0:32:36 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.05377**	**.00168**	**.24326**	**.07873**	**.00001**	**-.00353**	**107.20**	**.00042**	**-.00001**
Stddev	.00004	.00097	.00272	.00027	.00026	.00002	.00233	.23	.00000	.00014
%RSD	4.0424	1.7974	162.04	.11126	.33054	171.14	65.963	.21385	.28745	2169.4
#1	-.00107	.05445	.00361	.24306	.07891	.00003	-.00188	107.37	.00042	.00009
#2	-.00113	.05309	-.00024	.24345	.07854	.00000	-.00518	107.04	.00042	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00319**	**.06401**	**4.5830**	**.03616**	**27.264**	**.01388**	**.00542**	**68.890**	**.00171**
Stddev	.00027	.00033	.00165	.0405	.00265	.003	.00007	.00037	.208	.00033
%RSD	45.263	10.359	2.5758	.88317	7.3402	.00977	.47183	6.8933	.30228	19.355
#1	.00041	.00296	.06518	4.5543	.03428	27.263	.01383	.00516	68.742	.00194
#2	.00079	.00343	.06285	4.6116	.03804	27.266	.01392	.00569	69.037	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01539**	**-.00148**	**51.543**	**.00073**	**-.00153**	**6.7320**	**.00027**	**.90709**	**-.00718**	**.00301**
Stddev	.00247	.00069	.043	.00239	.00182	.0113	.00027	.00089	.00005	.00033
%RSD	16.053	46.556	.08361	330.04	118.51	.16821	101.60	.09862	.68606	10.896
#1	.01714	-.00099	51.513	.00242	-.00025	6.7401	.00046	.90772	-.00714	.00278
#2	.01364	-.00197	51.574	-.00097	-.00282	6.7240	.00008	.90646	-.00721	.00325
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00272**	**.00073**	**.00631**	**-.00089**
Stddev	.00093	.01036	.00057	.00021	.00229
%RSD	849.02	380.98	78.154	3.3940	256.33
#1	-.00055	-.00461	.00113	.00616	.00072
#2	.00077	.01005	.00032	.00647	-.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4267.6**	**60162.**	**4381.7**
Stddev	18.1	137.	.4
%RSD	.42460	.22723	.00919
#1	4280.4	60066.	4382.0
#2	4254.8	60259.	4381.4

Sample Name: 280-27158-a-22-a Acquired: 4/3/2012 0:35:10 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**.00075**	**.00203**	**.34862**	**.09017**	**.00002**	**-.00495**	**118.54**	**.00097**	**.00014**
Stddev	.00012	.00020	.00015	.00045	.00007	.00003	.00008	.00	.00018	.00032
%RSD	8.8848	26.803	7.2211	.13040	.07317	149.41	1.6052	.00094	18.856	219.88
#1	-.00142	.00089	.00193	.34830	.09012	.00000	-.00501	118.54	.00084	.00037
#2	-.00125	.00061	.00214	.34894	.09021	.00003	-.00489	118.54	.00110	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00436**	**.01654**	**3.9567**	**.03742**	**35.616**	**.11405**	**.04485**	**27.605**	**.00222**
Stddev	.00009	.00028	.00164	.0455	.00205	.020	.00021	.00030	.520	.00017
%RSD	1112.3	6.3561	9.9056	1.1510	5.4784	.05528	.18081	.67828	1.8820	7.5619
#1	.00006	.00416	.01770	3.9889	.03597	35.630	.11419	.04507	27.238	.00210
#2	-.00007	.00455	.01538	3.9245	.03887	35.602	.11390	.04464	27.972	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00880**	**-.00143**	**59.112**	**-.00144**	**-.00246**	**5.8545**	**.00033**	**1.1072**	**-.00754**	**-.00066**
Stddev	.00387	.00038	.062	.00148	.00714	.0185	.00103	.0003	.00043	.00017
%RSD	43.969	26.438	.10483	102.64	290.00	.31601	313.31	.02917	5.7641	25.040
#1	.01153	-.00116	59.156	-.00249	-.00751	5.8414	-.00040	1.1070	-.00723	-.00078
#2	.00606	-.00170	59.069	-.00040	.00259	5.8676	.00106	1.1074	-.00785	-.00055
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**-.02241**	**.00023**	**.00418**	**-.00065**
Stddev	.00069	.03515	.00014	.00010	.00061
%RSD	131.72	156.84	61.732	2.3833	94.806
#1	-.00004	-.04727	.00033	.00425	-.00021
#2	-.00101	.00244	.00013	.00411	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4305.0**	**60814.**	**4450.7**
Stddev	3.1	84.	17.1
%RSD	.07218	.13844	.38374
#1	4302.8	60874.	4462.8
#2	4307.2	60755.	4438.7

Sample Name: 280-27158-a-23-a Acquired: 4/3/2012 0:37:43 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	**.00101**	**.00217**	**.34274**	**.08998**	**.00011**	**-.00301**	**116.27**	**.00099**	**-.00003**
Stddev	.00003	.00068	.00307	.00096	.00010	.00003	.00051	.04	.00003	.00007
%RSD	1.6440	67.269	141.29	.28100	.11298	30.272	16.934	.03801	2.7935	233.88
#1	-.00155	.00053	.00434	.34342	.09005	.00013	-.00265	116.24	.00097	.00002
#2	-.00151	.00148	.00000	.34206	.08991	.00008	-.00337	116.31	.00101	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00420**	**.02193**	**3.8354**	**.03672**	**34.932**	**.14967**	**.04277**	**27.126**	**.00223**
Stddev	.00000	.00022	.00010	.0266	.00091	.045	.00010	.00007	.414	.00005
%RSD	4.9115	5.3348	.44428	.69425	2.4902	.12892	.06735	.16455	1.5246	2.1471
#1	.00010	.00404	.02200	3.8542	.03737	34.900	.14960	.04272	26.834	.00220
#2	.00009	.00436	.02186	3.8166	.03608	34.964	.14974	.04282	27.419	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01177**	**.00054**	**58.320**	**-.00345**	**-.00222**	**5.7355**	**-.00049**	**1.0891**	**-.00730**	**-.00108**
Stddev	.00079	.00108	.085	.00007	.00050	.0348	.00038	.0024	.00148	.00009
%RSD	6.7234	200.72	.14490	1.9797	22.663	.60765	76.894	.21722	20.294	7.9418
#1	.01233	-.00023	58.380	-.00340	-.00186	5.7109	-.00076	1.0875	-.00626	-.00102
#2	.01121	.00130	58.261	-.00350	-.00258	5.7602	-.00023	1.0908	-.00835	-.00114
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.04376**	**.00007**	**.00455**	**-.00004**
Stddev	.00066	.02745	.00009	.00069	.00102
%RSD	42.710	62.720	131.40	15.114	2463.0
#1	.00202	-.06316	.00000	.00406	-.00076
#2	.00108	-.02435	.00013	.00504	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4312.2**	**61068.**	**4446.9**
Stddev	11.4	378.	15.6
%RSD	.26436	.61888	.35116
#1	4304.2	61335.	4435.8
#2	4320.3	60801.	4457.9

Sample Name: 280-27158-a-24-a Acquired: 4/3/2012 0:40:17 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.00546**	**.06498**	**.40258**	**.10952**	**.00003**	**-.00469**	**125.66**	**.00041**	**.00056**
Stddev	.00007	.00181	.00229	.00003	.00002	.00003	.00074	.10	.00006	.00035
%RSD	6.5671	33.186	3.5258	.00777	.02052	97.186	15.752	.07963	13.435	62.031
#1	-.00104	.00418	.06660	.40256	.10951	.00001	-.00521	125.73	.00037	.00032
#2	-.00095	.00674	.06336	.40260	.10954	.00006	-.00417	125.58	.00045	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00273**	**2.1377**	**3.5206**	**.03247**	**40.001**	**.17273**	**.00051**	**31.547**	**.00189**
Stddev	.00012	.00017	.0095	.0309	.00199	.088	.00034	.00012	.466	.00044
%RSD	53.315	6.3696	.44221	.87874	6.1235	.21952	.19617	23.974	1.4762	23.265
#1	.00014	.00285	2.1310	3.5425	.03106	39.939	.17249	.00042	31.876	.00220
#2	.00031	.00260	2.1444	3.4988	.03387	40.063	.17297	.00060	31.218	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02477**	**-.00001**	**68.526**	**.00126**	**-.00415**	**11.199**	**-.00112**	**.98990**	**-.00868**	**-.00067**
Stddev	.00112	.00150	.136	.00187	.00322	.049	.00001	.00106	.00055	.00002
%RSD	4.5187	10556.	.19868	148.50	77.598	.44015	.92510	.10703	6.3477	3.2090
#1	.02556	.00105	68.429	-.00006	-.00187	11.234	-.00111	.99065	-.00907	-.00066
#2	.02398	-.00108	68.622	.00257	-.00643	11.164	-.00113	.98916	-.00829	-.00069
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**-.02332**	**-.00002**	**.00391**	**.00048**
Stddev	.00074	.01433	.00030	.00004	.00079
%RSD	87.710	61.466	1454.4	.99556	165.93
#1	-.00136	-.01318	-.00023	.00389	-.00008
#2	-.00032	-.03345	.00019	.00394	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4305.1**	**61017.**	**4466.3**
Stddev	3.6	272.	8.6
%RSD	.08436	.44555	.19240
#1	4307.7	61209.	4472.4
#2	4302.6	60825.	4460.2

Sample Name: 280-27158-a-27-a Acquired: 4/3/2012 0:42:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**.00456**	**.00776**	**.46419**	**.11328**	**-.00001**	**-.00451**	**102.80**	**.00051**	**.00039**
Stddev	.00022	.00004	.00315	.00059	.00007	.00003	.00324	.31	.00002	.00008
%RSD	18.209	.77240	40.588	.12722	.06177	341.44	71.780	.29991	4.1316	20.122
#1	-.00104	.00453	.00553	.46377	.11333	-.00003	-.00680	103.02	.00053	.00033
#2	-.00134	.00458	.00998	.46460	.11323	.00001	-.00222	102.58	.00050	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00399**	**.21875**	**6.7299**	**.04308**	**34.104**	**.25370**	**.00739**	**49.505**	**.00196**
Stddev	.00002	.00051	.00009	.0627	.00126	.043	.00033	.00026	.203	.00014
%RSD	5.5457	12.677	.04068	.93122	2.9176	.12600	.12873	3.5449	.41108	7.3065
#1	.00030	.00363	.21881	6.7742	.04397	34.135	.25393	.00757	49.361	.00207
#2	.00033	.00435	.21868	6.6855	.04219	34.074	.25347	.00720	49.649	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00852**	**-.00120**	**62.092**	**-.00161**	W **-.00893**	**5.8241**	**-.00004**	**.78788**	**-.00824**	**-.00096**
Stddev	.00094	.00038	.056	.00049	.00566	.0095	.00055	.00107	.00047	.00003
%RSD	11.079	31.445	.09089	30.592	63.339	.16283	1324.0	.13545	5.7135	3.0848
#1	.00785	-.00147	62.052	-.00196	-.00493	5.8308	.00035	.78864	-.00857	-.00094
#2	.00919	-.00094	62.132	-.00126	-.01293	5.8174	-.00043	.78713	-.00790	-.00098
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.02189**	**.00081**	**.00492**	**.00149**
Stddev	.00005	.00740	.00042	.00010	.00169
%RSD	6.3384	33.807	51.666	2.0381	113.06
#1	.00088	.01666	.00051	.00485	.00030
#2	.00080	.02713	.00111	.00499	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4300.9**	**60951.**	**4440.5**
Stddev	1.1	190.	3.6
%RSD	.02491	.31179	.08160
#1	4300.2	61086.	4437.9
#2	4301.7	60817.	4443.1

Sample Name: 280-27158-a-29-a Acquired: 4/3/2012 0:45:25 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113784 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**.05950**	**.00087**	**.59250**	**.03796**	**.00000**	**-.00324**	**84.967**	**.00039**	**.00011**
Stddev	.00035	.00065	.00169	.00120	.00031	.0002	.00171	.006	.00002	.00011
%RSD	31.942	1.0865	193.75	.20274	.81187	5527.2	52.803	.00713	5.0857	100.57
#1	-.00133	.05996	.00207	.59165	.03818	-.00011	-.00445	84.971	.00041	.00003
#2	-.00084	.05905	-.00032	.59335	.03774	.00011	-.00203	84.962	.00038	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00762**	**.00441**	**.09243**	**89.121**	**.02912**	**26.768**	**1.2530**	**.00084**	**31.537**	**.00292**
Stddev	.00005	.00019	.00022	.100	.00046	.028	.0001	.00004	.230	.00000
%RSD	.71158	4.2787	.23823	.11189	1.5901	.10504	.00577	4.9217	.72844	.16432
#1	.00758	.00428	.09227	89.050	.02880	26.748	1.2530	.00081	31.699	.00292
#2	.00766	.00455	.09259	89.191	.02945	26.788	1.2531	.00087	31.374	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02711**	**-.00017**	**41.347**	**-.00060**	**-.00257**	**9.7049**	**-.00031**	**.57690**	**-.00654**	**.00125**
Stddev	.00190	.00011	.009	.00092	.00013	.0146	.00226	.00030	.00003	.00027
%RSD	7.0189	67.303	.02244	152.55	5.0192	.15007	720.98	.05154	.47585	21.930
#1	.02577	-.00009	41.341	.00005	-.00266	9.6946	.00128	.57711	-.00652	.00105
#2	.02846	-.00025	41.354	-.00125	-.00248	9.7152	-.00191	.57669	-.00656	.00144
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**-.01227**	**-.00062**	**.00680**	**.00108**
Stddev	.00122	.00435	.00068	.00060	.00245
%RSD	143.23	35.452	109.29	8.7641	226.15
#1	.00001	-.01534	-.00014	.00722	-.00065
#2	-.00171	-.00919	-.00110	.00637	.00281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4315.0**	**60888.**	**4473.0**
Stddev	1.6	58.	1.1
%RSD	.03731	.09530	.02400
#1	4316.1	60847.	4472.2
#2	4313.8	60929.	4473.7

Sample Name: CCVH-1338467 Acquired: 4/3/2012 0:47:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**48.166**	**-.00057**	**.00153**	**-.00026**	**.00003**	**1.0147**	**.00234**	**-.00148**	**.00166**	**.00018**	**.00461**	**48.756**
Stddev	.00061	.021	.00124	.00036	.00008	.00005	.0032	.00286	.00015	.00019	.00008	.00000	.139
%RSD	173.74	.04359	219.81	23.692	30.271	154.73	.31631	122.15	9.9924	11.511	43.344	.02433	.28557
#1	.00078	48.152	-.00144	.00179	-.00032	.00006	1.0125	.00437	-.00158	.00179	.00024	.00461	48.657
#2	-.00008	48.181	.00031	.00127	-.00021	.00000	1.0170	.00032	-.00137	.00152	.00013	.00461	48.854
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04877**	**.00252**	**-.04720**	**-.00106**	**-.00136**	**252.73**	**.00214**	**.00389**	**-.00066**	**5.3098**	**-.00629**	**-.00559**	**.00632**
Stddev	.02313	.00043	.00095	.00002	.00023	.48	.00003	.00400	.00006	.0053	.00018	.00189	.00296
%RSD	47.425	16.992	2.0144	1.8516	16.730	.19152	1.4918	102.98	8.4816	.09963	2.8006	33.745	46.781
#1	-.06512	.00221	-.04787	-.00104	-.00153	253.07	.00216	.00672	-.00069	5.3060	-.00641	-.00692	.00842
#2	-.03241	.00282	-.04652	-.00107	-.00120	252.39	.00212	.00106	-.00062	5.3135	-.00616	-.00426	.00423
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.00041**	**4.9116**	**.00294**	**.00208**	**9.8652**	**.00721**	**.00229**	**-.03306**
Stddev	.00108	.00003	.0056	.00006	.00096	.0512	.00029	.00030	.00608
%RSD	45.148	7.2504	.11439	1.9090	45.833	.51892	3.9580	12.941	18.387
#1	.00315	.00039	4.9076	.00290	.00141	9.8290	.00701	.00250	-.03735
#2	.00163	.00043	4.9155	.00298	.00276	9.9014	.00741	.00208	-.02876
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4330.6**	**60127.**	**4396.3**
Stddev	17.3	334.	2.9
%RSD	.39849	.55563	.06706
#1	4342.8	60363.	4394.2
#2	4318.4	59891.	4398.3

Sample Name: CCV-1338469 Acquired: 4/3/2012 0:50:31 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50941**	F **.55267**	**1.0396**	**.52546**	**.50056**	**.48640**	**-.00201**	**4.9773**	**.51899**	**.50360**	**.49644**	**.51975**
Stddev	.00145	.00495	.0005	.00019	.00078	.00023	.00218	.0093	.00027	.00026	.00027	.00183
%RSD	.28453	.89635	.04571	.03695	.15628	.04684	108.69	.18740	.05162	.05241	.05386	.35114
#1	.50838	.54917	1.0393	.52532	.50111	.48624	-.00046	4.9839	.51880	.50379	.49625	.51846
#2	.51043	.55617	1.0400	.52559	.50001	.48656	-.00355	4.9707	.51918	.50342	.49663	.52104
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3991**	**51.433**	**1.0178**	**20.634**	**.49540**	**.49987**	**5.0469**	**.51564**	**1.0521**	**1.0292**	**.00186**	**1.0441**
Stddev	.0056	.075	.0005	.014	.00023	.00078	.0086	.00017	.0008	.0000	.00526	.0022
%RSD	.23383	.14512	.04816	.07018	.04644	.15563	.17129	.03251	.07309	.00158	282.14	.20887
#1	2.3951	51.486	1.0175	20.623	.49524	.50042	5.0408	.51576	1.0526	1.0292	.00558	1.0456
#2	2.4030	51.380	1.0182	20.644	.49556	.49932	5.0530	.51552	1.0516	1.0292	-.00185	1.0426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0760**	**4.9225**	**.98354**	**.50747**	**-.00373**	**.49164**	**1.0555**	**-.01164**	**.48723**	**.50048**	**.48940**
Stddev	.0034	.0085	.00028	.00037	.00018	.00135	.0019	.01046	.00046	.00048	.00191
%RSD	.31994	.17250	.02801	.07227	4.8995	.27362	.17551	89.806	.09521	.09581	.38975
#1	1.0735	4.9286	.98373	.50773	-.00361	.49069	1.0542	-.01904	.48755	.50082	.49075
#2	1.0784	4.9165	.98334	.50721	-.00386	.49259	1.0568	-.00425	.48690	.50014	.48805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4408.3**	**61913.**	**4423.1**
Stddev	4.4	234.	23.3
%RSD	.09945	.37873	.52579
#1	4411.4	61747.	4406.7
#2	4405.2	62079.	4439.6

Sample Name: CCB Acquired: 4/3/2012 0:52:58 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00109**	**-.00055**	**-.00139**	**.00031**	W **-.00099**	**.00005**	**-.00345**	**.00185**	**.00029**	**-.00003**
Stddev	.00006	.00016	.00203	.00015	.00004	.00012	.00287	.00319	.00009	.00015
%RSD	5.2905	29.229	146.29	47.619	4.1861	222.23	83.136	172.17	31.012	499.62
#1	-.00113	-.00044	-.00282	.00020	-.00096	.00014	-.00142	.00411	.00023	.00008
#2	-.00105	-.00066	.00005	.00041	-.00102	-.00003	-.00548	-.00040	.00036	-.00014
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058					
Low Limit	-.00093				-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	W **.00217**	**-.00031**	**-.08488**	**.00066**	W **-.02074**	F **-.00053**	**.00070**	F **.10763**	**-.00011**
Stddev	.00036	.00016	.00246	.02946	.00104	.00122	.00007	.00028	.00123	.00021
%RSD	98.452	7.1512	794.96	34.713	157.49	5.8929	12.562	39.391	1.1441	189.35
#1	.00011	.00228	-.00205	-.06404	.00139	-.02161	-.00048	.00051	.10676	-.00025
#2	.00062	.00206	.00143	-.10571	-.00007	-.01988	-.00058	.00090	.10850	.00004
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.00136				.01070	.00051		.10000	
Low Limit		-.00136				-.01070	-.00051		-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00140**	**.00423**	W **.00335**	**-.00330**	**.01243**	**.00089**	**.00013**	**-.00729**	**-.00052**
Stddev	.00034	.00027	.00134	.00236	.00309	.01447	.00014	.00016	.00047	.00001
%RSD	98.842	19.240	31.624	70.486	93.554	116.37	16.052	124.67	6.4327	2.4857
#1	.00010	-.00159	.00328	.00168	-.00549	.00220	.00079	.00002	-.00762	-.00051
#2	.00058	-.00121	.00517	.00502	-.00112	.02266	.00099	.00024	-.00696	-.00053
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00156**	**-.00737**	**-.00073**	**.00130**	**-.00040**
Stddev	.00017	.01353	.00001	.00045	.00088
%RSD	11.022	183.47	1.0097	34.814	219.62
#1	-.00144	-.01694	-.00072	.00162	-.00103
#2	-.00168	.00219	-.00073	.00098	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.3**	**62408.**	**4359.8**
Stddev	5.4	43.	6.1
%RSD	.12339	.06830	.13945
#1	4358.5	62438.	4364.1
#2	4366.1	62378.	4355.5

Sample Name: CCVL1341782 Acquired: 4/3/2012 0:55:38 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00897**	**.11279**	W **.01886**	**.10388**	**.00963**	**.00099**	**.11365**	**.20130**	**.00554**	**.01019**	**.01014**
Stddev	.00001	.00006	.00073	.00001	.00014	.00004	.00181	.00496	.00006	.00004	.00004
%RSD	.12678	.05745	3.8941	.01304	1.4329	4.1278	1.5927	2.4622	1.1059	.37377	.38388
#1	.00896	.11283	.01835	.10387	.00953	.00096	.11237	.20480	.00558	.01017	.01017
#2	.00897	.11274	.01938	.10389	.00973	.00102	.11493	.19779	.00550	.01022	.01011
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01831**	**.09345**	**3.0127**	**.01125**	**.19172**	**.00984**	**.02016**	**1.1049**	**.04278**	**3.1179**	**.00871**
Stddev	.00024	.00091	.0282	.00006	.00219	.00004	.00001	.0164	.00043	.0037	.00112
%RSD	1.2896	.97499	.93493	.53708	1.1421	.41402	.07276	1.4816	.99755	.11849	12.830
#1	.01815	.09280	2.9928	.01129	.19017	.00981	.02015	1.0933	.04308	3.1153	.00792
#2	.01848	.09409	3.0326	.01121	.19327	.00987	.02017	1.1165	.04247	3.1205	.00950
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	20.000%										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**.01004**	F **.00935**	**.48456**	**.10097**	**.01038**	F **.00752**	**.00934**	**.01583**	W **.07752**	**.00935**
Stddev	.00346	.00405	.00767	.01722	.00003	.00001	.00077	.00008	.00025	.00286	.00028
%RSD	143.44	40.387	82.032	3.5539	.02774	.05405	10.267	.80519	1.5627	3.6917	3.0198
#1	-.00486	.00717	.00393	.49674	.10095	.01038	.00697	.00939	.01565	.07955	.00955
#2	.00003	.01290	.01477	.47239	.10099	.01039	.00807	.00929	.01600	.07550	.00915
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value			.01500				.01500			.06000	
Range			-30.000%				-30.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02231**	**.01686**
Stddev	.00017	.00217
%RSD	.77097	12.878
#1	.02243	.01532
#2	.02219	.01839
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4439.8**	**63008.**	**4415.5**
Stddev	4.6	209.	21.1
%RSD	.10413	.33245	.47750
#1	4436.5	63156.	4430.4
#2	4443.1	62860.	4400.6

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ICP Data Review Checklist

TALS BATCH NUMBER: 114003, 114004, 114005	**Earliest due date:** 4/3/12	
Run Date: 4/2/12	**Analyst:** HEB	**Instrument:** 26
QC programs/Methods Run: 6010B, DoDv4.1, 200.7, DoDv3		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations ≥ the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: Heidi Bowen **Date:** 4/3/12

Comments:

2nd Level Reviewer: Yongmin Dong **Date:** 4/3/12

Comments:

Sample Name: ICIS Acquired: 4/3/2012 10:10:46 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00277**	**.00013**	**-.03630**	**-.00023**	**.00049**	**.01319**	**-.00034**	**-.00061**	**.01252**	**.00085**	**-.00031**	**-.00015**
Stddev	.00010	.00001	.00039	.00017	.00001	.00088	.00052	.00029	.00086	.00026	.00007	.00001
%RSD	3.5385	3.8647	1.0876	75.269	2.3388	6.6735	154.32	47.573	6.8736	30.084	21.818	7.1834
#1	-.00270	.00013	-.03602	-.00011	.00048	.01256	-.00070	-.00040	.01192	.00067	-.00026	-.00015
#2	-.00284	.00014	-.03658	-.00035	.00050	.01381	.00003	-.00081	.01313	.00104	-.00036	-.00014

Elem	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00643**	**.00024**	**.00148**	**.02115**	**-.01347**	**.00002**	**.00037**	**.00006**	**-.00085**	**-.02796**	**-.00082**	**.00013**
Stddev	.00017	.00030	.00030	.00028	.00084	.00002	.00000	.00003	.00332	.00461	.00009	.00010
%RSD	2.7058	127.42	20.445	1.3474	6.2249	81.809	.80833	52.758	390.35	16.495	11.400	74.762
#1	.00631	.00045	.00169	.02095	-.01406	.00001	.00036	.00004	-.00320	-.02470	-.00089	.00020
#2	.00655	.00002	.00126	.02135	-.01287	.00004	.00037	.00008	.00150	-.03122	-.00076	.00006

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00024**	**-.00061**	**-.00019**	**.00047**	**.00165**	**.00004**	**-.00303**	**-.00011**	**-.00022**	**-.00015**	**.00055**	**.00084**
Stddev	.00034	.00014	.00010	.00008	.00057	.00009	.00079	.00006	.00002	.00001	.00005	.00001
%RSD	142.70	22.891	53.393	16.832	34.477	205.15	26.179	57.749	7.5548	5.7353	8.2688	.64819
#1	-.00048	-.00071	-.00026	.00052	.00206	-.00002	-.00359	-.00015	-.00023	-.00016	.00058	.00083
#2	.00000	-.00052	-.00012	.00041	.00125	.00010	-.00247	-.00006	-.00021	-.00014	.00052	.00084

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00000**	**-.00310**
Stddev	.0000	.00018
%RSD	182.96	5.7031
#1	-.00001	-.00298
#2	.00000	-.00323

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4328.6**	**61423.**	**3974.9**
Stddev	5.4	65.	5.5
%RSD	.12587	.10516	.13739
#1	4332.4	61469.	3971.1
#2	4324.7	61377.	3978.8

Sample Name: IC1 Acquired: 4/3/2012 10:13:20 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.24392**	**.12077**	**.09599**	**.31066**	**5.0068**	**10.278**	**2.3308**	**1.6128**	**.90645**	**1.0402**	**.38071**	**1.1188**	**6.9611**
Stddev	.00016	.00010	.00013	.00075	.0148	.023	.0070	.0003	.00134	.0015	.00059	.0027	.0101
%RSD	.06446	.08389	.13696	.24215	.29490	.22236	.30263	.02124	.14810	.14836	.15553	.24406	.14482
#1	.24403	.12070	.09608	.31013	4.9964	10.262	2.3258	1.6130	.90740	1.0413	.38113	1.1169	6.9540
#2	.24381	.12084	.09590	.31120	5.0173	10.294	2.3358	1.6125	.90550	1.0392	.38030	1.1207	6.9682

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.8086**	**.89729**	**1.2222**	**.58266**	**2.3143**	**.68967**	**.08543**	**.48109**	**.19970**	**.09235**	**.56556**	**.21917**	**11.344**
Stddev	.0110	.00051	.0022	.00152	.0069	.00121	.00008	.00066	.00011	.00008	.00263	.00056	.019
%RSD	.38981	.05696	.18427	.26046	.29719	.17533	.09044	.13760	.05551	.08697	.46501	.25337	.16608
#1	2.8009	.89765	1.2238	.58374	2.3094	.69053	.08548	.48156	.19978	.09241	.56370	.21956	11.331
#2	2.8164	.89693	1.2207	.58159	2.3191	.68882	.08537	.48063	.19962	.09230	.56742	.21877	11.357

Elem	Ti3349	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.36467**	**.19594**	**.21671**	**.03322**	**.46788**
Stddev	.00074	.00015	.00001	.00005	.00283
%RSD	.20321	.07449	.00533	.13560	.60514
#1	.36519	.19605	.21670	.03326	.46587
#2	.36415	.19584	.21672	.03319	.46988

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4287.0**	**59200.**	**3956.6**
Stddev	34.6	125.	8.9
%RSD	.80649	.21194	.22539
#1	4262.5	59111.	3962.9
#2	4311.4	59289.	3950.3

Sample Name: IC2 Acquired: 4/3/2012 10:15:38 Type: Cal
Method: 6500_026(v2) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6.6267**	**.20287**	**.99306**	**3.2508**	**.25523**	**.58241**	**.13101**
Stddev	.0192	.00052	.00145	.0126	.00007	.00023	.00012
%RSD	.29034	.25825	.14629	.38855	.02770	.03899	.09498
#1	6.6403	.20250	.99408	3.2598	.25518	.58225	.13092
#2	6.6131	.20324	.99203	3.2419	.25528	.58257	.13110

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4167.6**	**57938.**	**4033.2**
Stddev	.4	107.	12.4
%RSD	.00913	.18408	.30770
#1	4167.9	58014.	4042.0
#2	4167.4	57863.	4024.4

Sample Name: S1-1338460 Acquired: 4/3/2012 10:18:11 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0014**	**1.0123**	**1.9979**	**1.0004**	**.99276**	**.98778**	**-.00029**	**9.9472**	**.99874**	**.99952**	**.99983**	**.99276**	**4.9610**
Stddev	.0005	.0029	.0027	.0024	.00142	.00119	.00389	.0299	.00133	.00203	.00050	.00010	.0139
%RSD	.04937	.28931	.13715	.23922	.14331	.12057	1355.9	.30012	.13355	.20338	.05048	.00962	.27995
#1	1.0018	1.0102	1.9960	.99871	.99376	.98862	.00246	9.9683	.99780	.99808	.99947	.99270	4.9708
#2	1.0011	1.0144	1.9999	1.0021	.99175	.98693	-.00304	9.9261	.99968	1.0010	1.0002	.99283	4.9512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**98.532**	**1.9724**	**39.647**	**.99077**	**.99748**	**10.123**	**10.204**	**.99698**	**1.9987**	**1.9980**	**.00455**	**1.9936**	**2.0027**
Stddev	.153	.0020	.036	.00081	.00065	.028	.150	.00026	.0024	.0009	.00032	.0008	.0054
%RSD	.15521	.10256	.09088	.08183	.06548	.27805	1.4719	.02595	.12054	.04576	7.0463	.04202	.26891
#1	98.640	1.9738	39.622	.99019	.99702	10.143	10.098	.99680	2.0004	1.9973	.00432	1.9930	2.0065
#2	98.424	1.9709	39.673	.99134	.99795	10.104	10.310	.99716	1.9970	1.9986	.00478	1.9942	1.9988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8145**	**2.0144**	**.98640**	**.00145**	**.99614**	**2.0023**	**.00596**	**.99858**	**.99301**	**.98813**
Stddev	.0173	.0040	.00094	.00046	.00095	.0045	.02551	.00092	.00202	.00368
%RSD	.17597	.20101	.09508	31.985	.09506	.22533	427.96	.09244	.20348	.37224
#1	9.8022	2.0173	.98706	.00112	.99548	1.9991	.02400	.99793	.99444	.99073
#2	9.8267	2.0116	.98573	.00178	.99681	2.0055	-.01208	.99924	.99158	.98553
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4297.4**	**60230.**	**4068.9**
Stddev	9.0	130.	9.9
%RSD	.21038	.21635	.24318
#1	4303.8	60322.	4061.9
#2	4291.0	60138.	4075.9

Sample Name: S2-1338466 Acquired: 4/3/2012 10:20:27 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00843**	**99.701**	**-.00561**	**.00583**	**.00118**	**.00030**	**1.9922**	**.02248**	**-.00337**	**.00402**	**.00030**	**.00898**	**99.805**
Stddev	.00148	.370	.00440	.00004	.00019	.00007	.0077	.00281	.00010	.00019	.00034	.00032	.311
%RSD	17.593	.37109	78.347	.72396	16.555	24.535	.38694	12.518	2.8534	4.7406	112.20	3.5409	.31200
#1	.00738	99.439	-.00250	.00586	.00131	.00035	1.9867	.02049	-.00330	.00389	.00054	.00875	99.584
#2	.00948	99.962	-.00872	.00580	.00104	.00025	1.9976	.02447	-.00344	.00416	.00006	.00920	100.02
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18177**	**.00333**	**-.02502**	**-.00031**	**-.00082**	**497.83**	**.00362**	**.01430**	**.00352**	**9.9778**	**-.00051**	**-.00980**	**.02313**
Stddev	.02754	.00012	.00548	.00005	.00041	3.26	.00005	.00249	.00134	.0291	.00003	.00038	.00806
%RSD	15.150	3.5225	21.887	15.641	50.274	.65463	1.3550	17.430	37.990	.29154	5.8836	3.8384	34.851
#1	.20124	.00341	-.02889	-.00034	-.00053	495.53	.00359	.01607	.00447	9.9573	-.00049	-.01006	.02883
#2	.16230	.00324	-.02114	-.00028	-.00111	500.14	.00365	.01254	.00257	9.9984	-.00053	-.00953	.01743
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00804**	**.00091**	**9.9689**	**.00171**	**.00507**	**19.994**	**.01850**	**.00488**	**-.02490**
Stddev	.00072	.00001	.0058	.00006	.00056	.088	.00010	.00004	.00035
%RSD	8.9385	.99665	.05815	3.3163	10.980	.44157	.54059	.77424	1.3990
#1	.00753	.00092	9.9730	.00167	.00467	20.057	.01843	.00485	-.02465
#2	.00854	.00090	9.9648	.00175	.00546	19.932	.01857	.00490	-.02514
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4176.0**	**57612.**	**4037.9**
Stddev	6.3	19.	17.0
%RSD	.15196	.03374	.42010
#1	4171.5	57626.	4049.9
#2	4180.5	57598.	4025.9

Sample Name: ICVH-1338471 Acquired: 4/3/2012 10:22:59 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00242**	**39.096**	**-.00729**	**.00279**	**.00059**	**.00004**	W **.52551**	**38.278**	**-.00102**	**.00118**	**.00076**
Stddev	.00093	.106	.00306	.00015	.00035	.00005	.00111	.095	.00005	.00003	.00022
%RSD	38.303	.27203	41.974	5.2847	59.392	105.33	.21044	.24839	5.0309	2.7756	29.353
#1	.00307	39.172	-.00513	.00268	.00034	.00001	.52629	38.345	-.00098	.00120	.00060
#2	.00176	39.021	-.00946	.00289	.00084	.00008	.52473	38.211	-.00106	.00115	.00092
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	Chk Pass	None	None	None
Value							.50000				
Range							5.0000%				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**77.256**	**.08078**	**.00235**	**-.01848**	**.00080**	**-.00097**	**39.917**	**.00195**	**.00666**	**.00159**
Stddev	.00005	.033	.03081	.00142	.00149	.00000	.00015	.165	.00024	.00081	.00166
%RSD	2.3255	.04244	38.145	60.424	8.0807	.60881	15.188	.41426	12.152	12.159	104.86
#1	.00209	77.279	.10257	.00135	-.01954	.00080	-.00087	39.800	.00212	.00608	.00041
#2	.00216	77.233	.05899	.00336	-.01743	.00080	-.00108	40.033	.00178	.00723	.00276
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8901**	**.00122**	**-.00378**	**.02752**	**.00247**	**.00036**	**2.9445**	**.00001**	**.00124**	**4.9207**	**.00532**
Stddev	.0001	.00044	.00743	.00779	.00012	.00013	.0063	.00009	.00141	.0262	.00007
%RSD	.00239	36.390	196.62	28.311	4.8105	36.292	.21319	1566.8	113.65	.53210	1.3555
#1	3.8902	.00153	-.00903	.02201	.00255	.00027	2.9489	.00007	.00224	4.9022	.00537
#2	3.8901	.00090	.00147	.03303	.00239	.00045	2.9401	-.00006	.00024	4.9392	.00527
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**2.4530**	**-.00805**
Stddev	.0001	.00127
%RSD	.00280	15.721
#1	2.4530	-.00715
#2	2.4530	-.00894
Check ?	Chk Pass	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4372.8**	**60837.**	**4137.2**
Stddev	6.3	13.	21.8
%RSD	.14466	.02072	.52694
#1	4377.3	60846.	4152.6
#2	4368.3	60828.	4121.8

Sample Name: ICV-1332160 Acquired: 4/3/2012 10:26:37 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25223**	F **.26404**	**.24050**	**.24399**	**.25340**	**.24308**	**-.00329**	**2.0156**	**.25008**	**.25550**	**.25851**	**.25246**
Stddev	.00010	.00038	.00230	.00082	.00078	.00063	.00126	.0009	.00037	.00117	.00097	.00091
%RSD	.03792	.14234	.95571	.33540	.30977	.26038	38.297	.04367	.14757	.45974	.37587	.36219
#1	.25216	.26378	.24212	.24457	.25284	.24264	-.00240	2.0150	.25034	.25633	.25920	.25181
#2	.25229	.26431	.23887	.24341	.25395	.24353	-.00418	2.0162	.24982	.25467	.25783	.25311
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.0000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26128**	**19.729**	**.25260**	**9.8691**	**.25456**	**.24928**	**2.0859**	**.25621**	**1.9163**	**.25535**	**.00118**	**.24711**
Stddev	.00302	.093	.00157	.0242	.00017	.00096	.0024	.00037	.0045	.00142	.00021	.00184
%RSD	1.1542	.46899	.62286	.24489	.06499	.38388	.11670	.14426	.23444	.55578	17.431	.74503
#1	.25915	19.663	.25148	9.8520	.25444	.24996	2.0876	.25647	1.9194	.25636	.00103	.24841
#2	.26341	19.794	.25371	9.8862	.25468	.24860	2.0842	.25595	1.9131	.25435	.00133	.24581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47993**	**2.0169**	**.50724**	**.25172**	**-.00037**	**.24893**	**.52072**	**-.01818**	**.25230**	**.24767**	**.24374**
Stddev	.00208	.0093	.00105	.00099	.00302	.00057	.00091	.00856	.00026	.00094	.00259
%RSD	.43439	.45997	.20747	.39192	807.78	.22805	.17394	47.088	.10187	.37798	1.0643
#1	.48141	2.0104	.50798	.25102	-.00251	.24933	.52136	-.01213	.25211	.24834	.24557
#2	.47846	2.0235	.50650	.25242	.00176	.24853	.52008	-.02424	.25248	.24701	.24190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4327.4**	**61129.**	**4091.3**
Stddev	10.1	100.	21.9
%RSD	.23377	.16414	.53528
#1	4320.2	61058.	4106.7
#2	4334.5	61200.	4075.8

Sample Name: ICVL1342846 Acquired: 4/3/2012 10:29:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	**.10716**	F **.00890**	**.09583**	**.01070**	**.00099**	**.10807**	**.20418**	**.00501**	**.01049**	**.01097**
Stddev	.00027	.00098	.00081	.00058	.00001	.00001	.00022	.00508	.00014	.00005	.00012
%RSD	2.7110	.91875	9.1193	.60472	.13750	1.1495	.20370	2.4856	2.8071	.48599	1.0989
#1	.00994	.10647	.00948	.09542	.01069	.00098	.10823	.20059	.00511	.01052	.01105
#2	.01033	.10786	.00833	.09624	.01071	.00100	.10792	.20777	.00491	.01045	.01088
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			-30.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01482**	**.10529**	**3.0096**	F **.01333**	**.20358**	**.01029**	**.01960**	**1.0592**	**.04136**	**2.7694**	**.01070**
Stddev	.00013	.00133	.0084	.00060	.00232	.00002	.00008	.0110	.00007	.0071	.00044
%RSD	.88186	1.2667	.28083	4.5374	1.1396	.18892	.39424	1.0425	.16126	.25717	4.0836
#1	.01492	.10435	3.0036	.01376	.20522	.01030	.01965	1.0670	.04141	2.7644	.01039
#2	.01473	.10624	3.0156	.01290	.20194	.01027	.01954	1.0514	.04131	2.7745	.01101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00429**	**.01040**	W **.01094**	**.48445**	**.10187**	**.01012**	**.01621**	**.00994**	**.01441**	W **.04584**	**.00991**
Stddev	.00216	.00066	.00130	.00513	.00012	.00003	.00265	.00023	.00106	.03690	.00108
%RSD	50.219	6.3654	11.893	1.0589	.12151	.31491	16.334	2.3212	7.3207	80.488	10.882
#1	-.00277	.00994	.01002	.48082	.10195	.01010	.01434	.01010	.01516	.07193	.00915
#2	-.00582	.01087	.01186	.48807	.10178	.01015	.01808	.00977	.01367	.01975	.01068
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value			.01500							.06000	
Range			-20.000%							-20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02196**	W **.01804**
Stddev	.00003	.00212
%RSD	.12695	11.754
#1	.02198	.01654
#2	.02194	.01954
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4341.7**	**61982.**	**4071.9**
Stddev	1.2	11.	.9
%RSD	.02715	.01808	.02268
#1	4340.8	61974.	4072.5
#2	4342.5	61990.	4071.2

Sample Name: CCVH-1338467 Acquired: 4/3/2012 10:31:30 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00435**	**49.737**	**-.00555**	**.00239**	**.00045**	**-.00007**	**1.0023**	**.00316**	**-.00210**	**.00202**	**.00053**	**.00392**	**49.553**
Stddev	.00038	.088	.00029	.00024	.00033	.00008	.0061	.00225	.00008	.00017	.00002	.00010	.238
%RSD	8.6483	.17755	5.2228	10.240	72.456	107.06	.60650	71.140	3.9275	8.4232	3.0756	2.5250	.47999
#1	.00409	49.674	-.00534	.00256	.00022	-.00002	1.0066	.00475	-.00204	.00190	.00052	.00399	49.384
#2	.00462	49.799	-.00575	.00222	.00069	-.00013	.99796	.00157	-.00216	.00214	.00054	.00385	49.721
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03292**	**-.00025**	**-.01387**	**-.00023**	**-.00098**	**249.20**	**.00203**	**.00555**	**.00044**	**4.9469**	**-.00463**	**-.00586**	**.02423**
Stddev	.04539	.00027	.00080	.00002	.00009	1.25	.00020	.00127	.00139	.0016	.00193	.00523	.01039
%RSD	137.88	108.58	5.7975	8.6598	8.8192	.50070	9.9559	22.954	315.15	.03146	41.634	89.311	42.871
#1	.06502	-.00006	-.01330	-.00025	-.00105	248.32	.00217	.00465	-.00054	4.9458	-.00327	-.00956	.03158
#2	.00082	-.00044	-.01444	-.00022	-.00092	250.08	.00189	.00645	.00142	4.9480	-.00599	-.00216	.01689
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00249**	**.00040**	**4.9538**	**.00090**	**.00368**	**10.050**	**.00948**	**.00294**	**-.01384**
Stddev	.00012	.00000	.0118	.00024	.00106	.007	.00020	.00024	.00200
%RSD	4.8200	1.0117	.23790	26.617	28.841	.07256	2.0993	8.0239	14.467
#1	.00257	.00040	4.9621	.00107	.00443	10.056	.00934	.00311	-.01526
#2	.00241	.00039	4.9454	.00073	.00293	10.045	.00962	.00277	-.01242
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4296.6**	**59510.**	**4065.6**
Stddev	8.1	154.	7.3
%RSD	.18954	.25855	.18071
#1	4302.3	59401.	4070.8
#2	4290.8	59618.	4060.4

Sample Name: CCV-1338469 Acquired: 4/3/2012 10:33:57 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50696**	**.51285**	**.98989**	**.50294**	**.49589**	**.48717**	**-.00085**	**4.9572**	**.50087**	**.50426**	**.50109**	**.49669**	**2.4597**
Stddev	.00024	.00182	.00036	.00045	.00088	.00068	.00016	.0014	.00014	.00045	.00005	.00118	.0033
%RSD	.04722	.35480	.03664	.08967	.17789	.13880	19.239	.02836	.02699	.08893	.01004	.23838	.13255
#1	.50679	.51156	.99014	.50262	.49652	.48764	-.00073	4.9562	.50097	.50394	.50113	.49753	2.4620
#2	.50713	.51414	.98963	.50326	.49527	.48669	-.00097	4.9582	.50078	.50458	.50106	.49585	2.4574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.810**	**.98043**	**19.932**	**.49353**	**.49493**	**4.9834**	**.50344**	**.99183**	**1.0120**	**-.00518**	**.99350**	**1.0022**	**4.8675**
Stddev	.123	.00384	.042	.00046	.00049	.0142	.00126	.00277	.0011	.00284	.00049	.0015	.0164
%RSD	.25164	.39151	.21119	.09323	.09872	.28472	.25011	.27929	.11141	54.846	.04928	.15082	.33584
#1	48.897	.98314	19.962	.49385	.49527	4.9935	.50255	.98987	1.0128	-.00317	.99315	1.0011	4.8790
#2	48.723	.97771	19.902	.49320	.49458	4.9734	.50433	.99379	1.0112	-.00718	.99385	1.0033	4.8559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0141**	**.49014**	**.00072**	**.49610**	**1.0258**	**.04358**	**.49910**	**.50121**	**.49107**
Stddev	.0001	.00116	.00034	.00065	.0002	.04044	.00107	.00207	.00162
%RSD	.00692	.23644	46.659	.13196	.02294	92.797	.21359	.41360	.32998
#1	1.0142	.49096	.00048	.49656	1.0259	.07217	.49985	.50268	.49222
#2	1.0141	.48932	.00096	.49564	1.0256	.01498	.49835	.49975	.48993
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.2**	**60910.**	**4093.0**
Stddev	1.4	75.	12.9
%RSD	.03286	.12361	.31588
#1	4363.2	60857.	4083.8
#2	4361.2	60963.	4102.1

Sample Name: ICB Acquired: 4/3/2012 10:36:16 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00133**	**-.00276**	W **.00220**	**.00046**	**.00009**	**-.00585**	**.00281**	**-.00008**	**-.00004**	**.00061**
Stddev	.00059	.00015	.00165	.00052	.00009	.00011	.00298	.00300	.00002	.00022	.00005
%RSD	420.49	11.644	59.646	23.768	20.213	113.88	50.987	106.66	32.380	636.33	8.9802
#1	.00028	.00122	-.00160	.00257	.00040	.00017	-.00796	.00069	-.00006	-.00019	.00057
#2	-.00056	.00144	-.00392	.00183	.00053	.00002	-.00374	.00493	-.00009	.00012	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.00369**	**.05471**	**.00005**	**-.00347**	**-.00002**	**.00070**	**.04719**	**.00013**	**.00129**	**.00095**
Stddev	.00001	.00092	.00502	.00226	.00169	.00005	.00018	.01107	.00058	.00052	.00023
%RSD	1.9702	24.893	9.1772	4570.6	48.660	234.65	25.464	23.462	460.50	40.172	23.936
#1	-.00046	.00304	.05826	-.00155	-.00228	-.00006	.00057	.05502	-.00029	.00166	.00079
#2	-.00044	.00434	.05116	.00165	-.00466	.00001	.00083	.03936	.00054	.00092	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00236**	W **.00336**	**-.00363**	**.00855**	**.00008**	**.00003**	**.00034**	**.00005**	**.00133**	**-.01332**	**-.00040**
Stddev	.00320	.00012	.00081	.00999	.00071	.00011	.00050	.00061	.00049	.01683	.00001
%RSD	135.77	3.6345	22.291	116.85	851.41	321.32	146.53	1331.9	36.824	126.35	3.5017
#1	-.00462	.00327	-.00306	.00149	-.00042	-.00004	.00069	.00048	.00099	-.02522	-.00041
#2	-.00009	.00344	-.00421	.01561	.00058	.00011	-.00001	-.00039	.00168	-.00142	-.00039
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00172**	**.00022**
Stddev	.00024	.00088
%RSD	13.962	407.98
#1	.00155	-.00041
#2	.00189	.00084
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4316.5**	**61205.**	**4009.8**
Stddev	9.2	165.	6.4
%RSD	.21394	.26983	.16010
#1	4310.0	61088.	4014.4
#2	4323.0	61322.	4005.3

Sample Name: CRI-1342845 Acquired: 4/3/2012 10:38:48 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**.11420**	W **.00757**	**.10436**	**.00598**	**.00113**	**.11792**	**.22391**	**.00542**	**.00549**	**.01196**
Stddev	.00014	.00053	.00181	.00044	.00021	.00001	.00179	.00128	.00012	.00003	.00000
%RSD	1.3606	.46273	23.881	.41996	3.4833	1.3017	1.5141	.56947	2.1268	.60096	.01700
#1	.01013	.11383	.00629	.10405	.00613	.00114	.11666	.22301	.00534	.00547	.01196
#2	.01033	.11458	.00885	.10467	.00583	.00112	.11918	.22481	.00550	.00551	.01196
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000								
Range			-20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01055**	**.03537**	**1.0862**	**.01011**	**.21655**	**.00339**	**.01003**	**1.1199**	**.01114**	**1.0142**	W **.00422**
Stddev	.00031	.00094	.0294	.00255	.00163	.00002	.00023	.0003	.00004	.0074	.00027
%RSD	2.9551	2.6694	2.7064	25.210	.75378	.61974	2.3145	.02585	.31456	.72983	6.3132
#1	.01033	.03604	1.1069	.01192	.21539	.00338	.01019	1.1201	.01112	1.0089	.00441
#2	.01077	.03471	1.0654	.00831	.21770	.00341	.00986	1.1197	.01117	1.0194	.00403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value											.00300
Range											20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09797**	**.01009**	W **.00619**	**.50201**	**.02091**	**.00537**	W **.01237**	**.00992**	**.01050**	**.06175**	**.01047**
Stddev	.00264	.00018	.00653	.01345	.00024	.00017	.00044	.00035	.00078	.01010	.00034
%RSD	2.6936	1.7796	105.50	2.6797	1.1687	3.1313	3.5711	3.5290	7.4720	16.355	3.2402
#1	.09983	.01021	.00157	.51152	.02108	.00525	.01268	.00967	.00994	.06889	.01071
#2	.09610	.00996	.01081	.49249	.02074	.00549	.01206	.01016	.01105	.05461	.01023
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000				.01000				
Range			-20.000%				20.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.01329**	**.01090**
Stddev	.00002	.00068
%RSD	.14290	6.2606
#1	.01330	.01042
#2	.01327	.01138
Check ?	Chk Warn	Chk Pass
Value	.01000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4348.1**	**61637.**	**4044.9**
Stddev	7.3	13.	27.6
%RSD	.16732	.02148	.68193
#1	4353.2	61647.	4025.4
#2	4342.9	61628.	4064.4

Sample Name: cri-1343077 Acquired: 4/3/2012 10:46:32 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00043**	**.01529**	**.00103**	**.00029**	**.00013**	**-.00022**	**-.00083**	**.00005**	**-.00016**
Stddev	.00069	.00037	.00265	.00048	.00026	.00006	.00448	.00533	.00013	.00011
%RSD	263.03	85.485	17.359	46.426	89.396	47.211	2061.7	641.60	234.94	66.409
#1	-.00022	.00017	.01717	.00136	.00047	.00017	.00295	-.00460	-.00004	-.00024
#2	.00075	.00069	.01341	.00069	.00011	.00008	-.00338	.00294	.00014	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00051**	**.00262**	**.02294**	**.00165**	**.00140**	**.00006**	**-.00009**	**.01238**	**.00017**
Stddev	.00002	.00011	.00056	.03621	.00083	.00063	.00006	.00022	.00048	.00042
%RSD	3.6608	21.515	21.202	157.84	50.548	45.061	105.14	262.21	3.9058	240.63
#1	.00056	-.00043	.00302	-.00266	.00224	.00095	.00001	-.00024	.01272	.00047
#2	.00059	-.00059	.00223	.04854	.00106	.00184	.00010	.00007	.01204	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.01129**	**-.00809**	**-.00023**	**.01377**	**.01738**	**.00105**	**.00003**	**.00095**	**-.00002**
Stddev	.0023	.00144	.00231	.00237	.00121	.01134	.00112	.00007	.00150	.00007
%RSD	76025.	12.775	28.504	1044.4	8.8132	65.224	106.03	247.60	157.79	425.68
#1	.00163	.01231	-.00972	.00145	.01291	.02540	.00026	-.00002	.00201	-.00006
#2	-.00164	.01027	-.00646	-.00190	.01463	.00937	.00185	.00008	-.00011	.00003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00804**	**-.00059**	**.01913**	**.00150**
Stddev	.00018	.02497	.00007	.00045	.00028
%RSD	127.46	310.42	12.176	2.3482	18.646
#1	.00001	-.02570	-.00064	.01945	.00131
#2	.00027	.00961	-.00054	.01882	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4332.1**	**61560.**	**4042.5**
Stddev	5.6	239.	7.5
%RSD	.13025	.38809	.18548
#1	4328.1	61391.	4037.2
#2	4336.1	61729.	4047.8

Sample Name: cri-1343077 Acquired: 4/3/2012 10:53:15 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00053**	**.01655**	**.00052**	**.00034**	**.00007**	**-.00307**	**.00803**	**.00002**	**-.00019**
Stddev	.00071	.00016	.00126	.00027	.00010	.00001	.00059	.00144	.00019	.00004
%RSD	120.36	29.572	7.5920	51.839	30.499	16.620	19.267	17.933	1077.8	23.449
#1	.00009	.00064	.01744	.00070	.00041	.00008	-.00349	.00701	.00015	-.00022
#2	.00109	.00042	.01566	.00033	.00026	.00006	-.00265	.00905	-.00012	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00067**	**.00623**	**.03632**	**-.00159**	**.00058**	**.00005**	**-.00025**	**.02026**	**.00021**
Stddev	.00001	.00004	.00172	.04916	.00004	.00045	.00002	.00000	.01506	.00008
%RSD	1.3718	6.6813	27.593	135.35	2.2198	76.653	34.153	1.7686	74.332	39.144
#1	.00058	-.00064	.00745	.07109	-.00156	.00090	.00004	-.00025	.00961	.00015
#2	.00059	-.00070	.00502	.00156	-.00161	.00027	.00007	-.00025	.03092	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00911**	**-.00403**	**.00011**	**.00887**	**.02095**	**.00021**	**.00004**	**-.00081**	**.00005**
Stddev	.00037	.00095	.00248	.00180	.00660	.00679	.00011	.00007	.00021	.00030
%RSD	26.937	10.468	61.542	1672.3	74.430	32.415	54.022	185.84	25.705	590.57
#1	.00110	.00843	-.00578	-.00117	.01354	.02575	.00029	.00008	-.00096	.00026
#2	.00162	.00978	-.00228	.00138	.00420	.01615	.00013	-.00001	-.00067	-.00016
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.01455**	**-.00087**	**.01948**	**.00127**
Stddev	.00008	.01956	.00006	.00041	.00105
%RSD	8.8567	134.45	6.8726	2.1143	82.251
#1	-.00096	.00072	-.00083	.01919	.00201
#2	-.00084	.02838	-.00091	.01977	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4326.4**	**61509.**	**4035.1**
Stddev	13.0	18.	10.5
%RSD	.30097	.02928	.25907
#1	4317.1	61496.	4027.7
#2	4335.6	61522.	4042.5

Sample Name: ICSA-1333972 Acquired: 4/3/2012 10:59:22 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**511.98**	W **-.00841**	W **-.00213**	**.00030**	**-.00017**	**-.01173**	**483.40**	**.00043**	**-.00091**
Stddev	.00017	.20	.00784	.00086	.00025	.00006	.00095	1.69	.00003	.00001
%RSD	89.048	.03986	93.169	40.177	81.757	37.267	8.0651	.34900	5.8249	1.6066
#1	-.00007	512.12	-.00287	-.00274	.00013	-.00021	-.01107	482.20	.00042	-.00092
#2	-.00031	511.83	-.01395	-.00153	.00048	-.00012	-.01240	484.59	.00045	-.00090
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156						
Low Limit			-.00440	-.00156						

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00283**	F **.00378**	**192.24**	**-.02453**	**-.00023**	**505.42**	F **.00245**	**-.00112**	W **.11150**	F **.00432**
Stddev	.00004	.00024	.04	.02070	.00210	.67	.00003	.00006	.00297	.00040
%RSD	1.5054	6.3517	.02142	84.375	916.35	.13311	1.4114	5.2965	2.6677	9.2306
#1	.00286	.00361	192.27	-.00990	.00126	504.94	.00247	-.00116	.11360	.00461
#2	.00280	.00395	192.21	-.03917	-.00171	505.89	.00242	-.00108	.10939	.00404
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Fail
High Limit	.00123	.00272					.00051		.09160	.00258
Low Limit	-.00132	-.00272					-.00051		-.09160	-.00258

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00875**	**.00185**	**-.07707**	**.00021**	W **-.00582**	**.01079**	**.00136**	F **.00199**	**-.00718**	F **-.00176**
Stddev	.00009	.00078	.00240	.00315	.00592	.00462	.00136	.00009	.00055	.00028
%RSD	1.0572	42.314	3.1081	1463.9	101.61	42.808	99.669	4.6042	7.6431	16.123
#1	.00881	.00129	-.07876	-.00201	-.01001	.00752	.00040	.00205	-.00679	-.00156
#2	.00868	.00240	-.07537	.00244	-.00164	.01406	.00232	.00192	-.00757	-.00196
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit					.00486			.00060		.00119
Low Limit					-.00486			-.00060		-.00119

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.02955**	F **.00324**	F **.00942**	**-.00006**
Stddev	.00040	.00167	.00032	.00002	.00087
%RSD	461.38	5.6539	9.8841	.24843	1451.4
#1	.00020	-.02836	.00301	.00944	.00055
#2	-.00037	-.03073	.00346	.00940	-.00067
Check ?	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
High Limit			.00222	.00906	
Low Limit			-.00222	-.00906	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3903.4**	**52766.**	**3941.1**
Stddev	4.8	202.	17.9
%RSD	.12339	.38280	.45367
#1	3906.8	52909.	3953.8
#2	3900.0	52623.	3928.5

Sample Name: ICSAB-1341784 Acquired: 4/3/2012 11:02:35 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1128**	**512.60**	**2.0029**	**1.9020**	**.50379**	**.48298**	**1.0204**	**479.71**	**1.0315**	**.46709**	**.49163**	**.53923**	**191.19**	**51.805**
Stddev	.0012	.52	.0033	.0042	.00113	.00114	.0023	2.26	.0006	.00038	.00118	.00200	.63	.003
%RSD	.10899	.10162	.16609	.21945	.22386	.23554	.22469	.47021	.05994	.08041	.23916	.37095	.33128	.00528
#1	1.1136	512.23	2.0005	1.8990	.50299	.48217	1.0188	481.30	1.0320	.46736	.49080	.54064	190.74	51.803
#2	1.1119	512.97	2.0052	1.9049	.50458	.48378	1.0220	478.11	1.0311	.46682	.49246	.53781	191.64	51.807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0295**	**507.63**	**.50545**	**.95702**	**51.619**	**.92525**	**1.9458**	**.92976**	**.92966**	**.98909**	**4.8632**	**10.145**	**9.2593**	**.99368**
Stddev	.0011	1.14	.00034	.00038	.312	.00221	.0047	.00340	.00410	.00119	.0139	.006	.0077	.00058
%RSD	.10496	.22512	.06772	.03961	.60354	.23838	.24379	.36603	.44120	.12010	.28534	.05821	.08337	.05805
#1	1.0287	506.83	.50569	.95729	51.839	.92681	1.9425	.93217	.93256	.98825	4.8730	10.141	9.2538	.99327
#2	1.0303	508.44	.50521	.95675	51.398	.92370	1.9492	.92735	.92676	.98993	4.8534	10.150	9.2647	.99408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0501**	**1.0023**	**8.5290**	**.02774**	**.51869**	**.99245**	**.95789**
Stddev	.0022	.0004	.0040	.00706	.00037	.00689	.00757
%RSD	.10959	.03761	.04738	25.464	.07188	.69454	.79009
#1	2.0517	1.0020	8.5319	.03274	.51843	.98758	.95254
#2	2.0485	1.0025	8.5261	.02275	.51895	.99732	.96325
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3925.5**	**53008.**	**3953.5**
Stddev	1.8	54.	7.2
%RSD	.04566	.10098	.18171
#1	3926.8	53046.	3948.4
#2	3924.2	52970.	3958.6

Sample Name: LRA-1341785 Acquired: 4/3/2012 11:05:34 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0405**	**-.19902**	**9.9447**	**9.7050**	**12.083**	**.00078**	**.00014**	**.01311**	**2.0506**	**5.0328**	**10.026**	**10.370**	**499.94**
Stddev	.0019	.00669	.0142	.0064	.038	.00014	.00485	.00317	.0029	.0075	.014	.011	1.99
%RSD	.09042	3.3605	.14320	.06619	.31139	17.959	3518.8	24.194	.14268	.14884	.14356	.10659	.39872
#1	2.0418	-.20375	9.9547	9.7095	12.110	.00088	-.00329	.01087	2.0527	5.0381	10.037	10.378	501.35
#2	2.0392	-.19429	9.9346	9.7004	12.057	.00069	.00357	.01535	2.0486	5.0275	10.016	10.362	498.53
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.09058**	**.00009**	**-.07737**	**9.9685**	**4.9249**	**.05506**	**10.087**	**-.00976**	**10.306**	**-.03569**	**.01510**	**4.9233**	**47.308**
Stddev	.00888	.00118	.00592	.0240	.0087	.02467	.018	.00404	.014	.00571	.00328	.0182	.019
%RSD	9.7992	1241.7	7.6509	.24128	.17711	44.811	.17968	41.420	.13628	15.991	21.699	.37070	.04061
#1	-.08430	.00093	-.07319	9.9515	4.9310	.07250	10.099	-.01262	10.315	-.03165	.01741	4.9363	47.321
#2	-.09685	-.00074	-.08156	9.9855	4.9187	.03761	10.074	-.00690	10.296	-.03972	.01278	4.9104	47.294
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01145**	**9.8788**	**.00062**	**9.9542**	**5.0780**	**.17104**	**10.164**	**9.8086**	**-.00499**
Stddev	.00011	.0792	.00055	.0066	.0036	.03544	.003	.0347	.00046
%RSD	.92555	.80131	88.759	.06579	.07008	20.720	.03041	.35341	9.3169
#1	-.01138	9.9348	.00023	9.9496	5.0805	.14598	10.162	9.7840	-.00466
#2	-.01153	9.8228	.00100	9.9589	5.0755	.19610	10.166	9.8331	-.00532
Check ?	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4241.1**	**59199.**	**4052.3**
Stddev	9.4	289.	21.7
%RSD	.22201	.48782	.53456
#1	4234.5	59403.	4037.0
#2	4247.8	58994.	4067.6

Sample Name: CCVH-1338467 Acquired: 4/3/2012 11:08:08 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00357**	**49.621**	**-.00115**	**.02528**	**.00145**	**.00007**	**1.0046**	**.01397**	**-.00188**	**.00209**	**.00059**	**.00426**	**49.551**
Stddev	.00011	.130	.00302	.00243	.00032	.00004	.0016	.00054	.00010	.00009	.00010	.00039	.196
%RSD	2.9808	.26172	262.88	9.6177	21.682	61.916	.15717	3.8659	5.0493	4.5368	16.960	9.1794	.39622
#1	.00365	49.529	.00099	.02700	.00168	.00010	1.0057	.01359	-.00182	.00215	.00066	.00398	49.412
#2	.00350	49.713	-.00329	.02356	.00123	.00004	1.0035	.01435	-.00195	.00202	.00052	.00453	49.690
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04545**	**.00078**	**-.00690**	**-.00002**	**.00304**	**249.49**	**.00203**	**.00637**	**.00076**	**4.9578**	**-.00308**	**-.00363**	**.07045**
Stddev	.04001	.00029	.00136	.00007	.00069	.01	.00010	.00159	.00095	.0032	.00174	.00042	.01095
%RSD	88.024	36.962	19.729	376.86	22.581	.00466	4.7590	25.009	125.38	.06511	56.604	11.467	15.551
#1	.07375	.00058	-.00786	.00003	.00255	249.49	.00197	.00524	.00143	4.9601	-.00431	-.00334	.06270
#2	.01716	.00099	-.00594	-.00007	.00353	249.48	.00210	.00750	.00009	4.9555	-.00185	-.00393	.07819
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00352**	**.00105**	**4.9464**	**.00300**	**.00692**	**10.142**	**.00937**	**.00331**	**-.01272**
Stddev	.00086	.00022	.0132	.00013	.00083	.024	.00119	.00039	.00080
%RSD	24.374	20.989	.26591	4.1746	11.975	.23351	12.708	11.770	6.2655
#1	.00291	.00120	4.9557	.00308	.00751	10.126	.00853	.00359	-.01329
#2	.00412	.00089	4.9371	.00291	.00633	10.159	.01021	.00304	-.01216
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4271.6**	**59238.**	**4056.9**
Stddev	1.1	160.	13.6
%RSD	.02494	.27002	.33530
#1	4272.4	59125.	4066.5
#2	4270.9	59352.	4047.3

Sample Name: CCV-1338469 Acquired: 4/3/2012 11:10:33 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50588**	**.51795**	**.98991**	**.51537**	**.49591**	**.48670**	**.00117**	**4.9663**	**.50085**	**.50354**	**.50094**	**.49640**	**2.4667**
Stddev	.00098	.00232	.01208	.00111	.00005	.00123	.00364	.0138	.00019	.00008	.00026	.00070	.0004
%RSD	.19348	.44806	1.2202	.21465	.01028	.25182	310.84	.27697	.03707	.01544	.05274	.14016	.01843
#1	.50657	.51631	.99845	.51615	.49588	.48757	.00374	4.9760	.50071	.50359	.50076	.49690	2.4664
#2	.50519	.51959	.98137	.51459	.49595	.48584	-.00140	4.9565	.50098	.50348	.50113	.49591	2.4670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.839**	**.97904**	**19.925**	**.49411**	**.49550**	**4.9822**	**.50268**	**.98906**	**1.0121**	**-.00149**	**.99012**	**.99720**	**4.8874**
Stddev	.003	.00117	.024	.00094	.00006	.0350	.00018	.00083	.0024	.00127	.00358	.00392	.0024
%RSD	.00667	.11955	.12205	.19007	.01231	.70310	.03606	.08420	.24200	84.824	.36186	.39264	.04834
#1	48.837	.97821	19.942	.49477	.49554	5.0070	.50256	.98847	1.0103	-.00060	.99266	.99444	4.8857
#2	48.841	.97986	19.907	.49344	.49545	4.9574	.50281	.98965	1.0138	-.00239	.98759	.99997	4.8891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0114**	**.49128**	**.00012**	**.49704**	**1.0259**	**.01138**	**.49642**	**.50100**	**.49059**
Stddev	.0001	.00026	.00077	.00014	.0035	.02691	.00207	.00197	.00272
%RSD	.01253	.05390	647.53	.02775	.34324	236.38	.41703	.39239	.55519
#1	1.0113	.49147	.00066	.49714	1.0284	.03041	.49788	.50239	.49252
#2	1.0115	.49109	-.00042	.49694	1.0234	-.00764	.49495	.49961	.48867
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4340.0**	**60541.**	**4055.7**
Stddev	4.3	218.	9.3
%RSD	.09898	.35981	.22894
#1	4343.1	60387.	4062.2
#2	4337.0	60695.	4049.1

Sample Name: CCB Acquired: 4/3/2012 11:12:51 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00315**	**-.00367**	F **.01116**	W **.00064**	**.00003**	**-.00567**	**.00554**	**.00011**	**-.00015**	**.00057**
Stddev	.00002	.00073	.00244	.00107	.00022	.00006	.00120	.00697	.00013	.00009	.00026
%RSD	9.0589	23.083	66.497	9.5474	34.532	180.96	21.135	125.93	127.37	58.528	45.713
#1	.00027	.00366	-.00194	.01191	.00048	.00007	-.00652	.01046	.00020	-.00021	.00038
#2	.00024	.00263	-.00539	.01041	.00080	-.00001	-.00482	.00061	.00001	-.00009	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312	.00058						
Low Limit				-.00312	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00617**	**.05662**	**.00161**	**.00114**	**.00006**	**.00093**	**.03406**	**.00011**	**.00229**	**.00105**
Stddev	.00006	.00022	.02201	.00007	.00161	.00004	.00015	.00270	.00055	.00118	.00047
%RSD	18.633	3.5586	38.880	4.0822	142.01	69.375	15.829	7.9195	505.07	51.639	44.829
#1	-.00028	.00633	.07219	.00156	.00228	.00009	.00082	.03216	-.00028	.00145	.00139
#2	-.00037	.00601	.04106	.00166	.00000	.00003	.00103	.03597	.00050	.00312	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00275**	W **.00454**	**-.00139**	**.01526**	**.00091**	**.00014**	**-.00028**	**.00010**	**.00113**	**-.00871**	**-.00022**
Stddev	.00094	.00093	.00082	.00342	.00025	.00008	.00149	.00017	.00086	.00328	.00003
%RSD	34.339	20.568	58.950	22.409	27.162	58.983	540.35	177.40	75.994	37.687	14.273
#1	-.00208	.00520	-.00081	.01284	.00073	.00020	.00078	.00022	.00174	-.00639	-.00020
#2	-.00342	.00388	-.00197	.01767	.00108	.00008	-.00133	-.00002	.00052	-.01103	-.00024
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00201**	**.00203**
Stddev	.00008	.00165
%RSD	3.7400	81.280
#1	.00206	.00319
#2	.00196	.00086
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4289.3**	**61296.**	**4006.2**
Stddev	1.5	143.	12.4
%RSD	.03506	.23382	.30924
#1	4288.3	61194.	3997.5
#2	4290.4	61397.	4015.0

Sample Name: CCVL1342846 Acquired: 4/3/2012 11:15:23 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.10810**	**.01340**	**.10267**	**.01010**	**.00097**	**.10818**	**.20374**	**.00486**	**.01018**	**.01103**	**.01463**
Stddev	.00001	.00073	.00071	.00090	.00002	.00014	.00310	.00048	.00011	.00036	.00007	.00034
%RSD	.07262	.67298	5.2678	.87589	.15701	14.854	2.8673	.23652	2.3193	3.5316	.60193	2.3229
#1	.01004	.10759	.01390	.10331	.01012	.00087	.10599	.20408	.00493	.01044	.01098	.01487
#2	.01005	.10862	.01290	.10203	.01009	.00107	.11037	.20340	.00478	.00993	.01107	.01439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10263**	**2.9664**	**.00932**	**.20206**	**.01021**	**.01960**	**1.0342**	**.04144**	**2.7497**	**.00967**	**-.00179**	**.00996**
Stddev	.00192	.0456	.00240	.00230	.00001	.00017	.0088	.00001	.0083	.00081	.00210	.00028
%RSD	1.8673	1.5384	25.770	1.1375	.09206	.88286	.85357	.03446	.30026	8.3279	117.62	2.7816
#1	.10399	2.9986	.00763	.20043	.01022	.01948	1.0405	.04145	2.7556	.00910	-.00030	.01016
#2	.10128	2.9341	.01102	.20368	.01021	.01972	1.0280	.04143	2.7439	.01024	-.00328	.00976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01317**	**.50420**	**.10007**	**.01007**	**.01500**	**.00950**	**.01458**	F **.07846**	**.00978**	**.02244**	**.01546**
Stddev	.00184	.01241	.00055	.00013	.00026	.00050	.00040	.00983	.00016	.00031	.00058
%RSD	13.936	2.4618	.54765	1.3343	1.7562	5.2219	2.7441	12.524	1.6097	1.3814	3.7507
#1	.01447	.49542	.09969	.00998	.01519	.00915	.01487	.07151	.00989	.02266	.01505
#2	.01187	.51297	.10046	.01017	.01481	.00985	.01430	.08541	.00967	.02222	.01587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4313.8**	**61316.**	**4027.1**
Stddev	2.2	218.	1.3
%RSD	.05108	.35614	.03182
#1	4315.3	61161.	4028.0
#2	4312.2	61470.	4026.2

Sample Name: LB 280-113582/1-C Acquired: 4/3/2012 11:17:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00275**	**-.00088**	F **.05021**	**.00466**	**.00003**	**-.00037**	F **.25957**	**-.00030**	**.00003**
Stddev	.00032	.00010	.00087	.00023	.00020	.00005	.00395	.00011	.00000	.00004
%RSD	271.52	3.6959	99.063	.45929	4.2868	137.23	1080.9	.04391	1.5321	140.71
#1	-.00034	.00268	-.00026	.05005	.00480	.00000	-.00316	.25949	-.00030	.00006
#2	.00011	.00282	-.00149	.05038	.00452	.00007	.00243	.25965	-.00030	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				.01000				.20000		
Low Limit				-.01000				-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00095**	**.00238**	**.06656**	**-.00169**	**.03941**	**.00013**	**.00006**	**273.43**	**.00048**
Stddev	.00006	.00022	.00036	.01816	.00063	.00060	.00001	.00005	.12	.00024
%RSD	17.174	22.670	15.283	27.287	37.059	1.5166	11.395	84.970	.04489	50.993
#1	.00040	.00080	.00212	.07940	-.00214	.03983	.00012	.00002	273.52	.00031
#2	.00031	.00110	.00263	.05372	-.00125	.03899	.00014	.00009	273.35	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**.00263**	**.00345**	**-.00067**	**-.00037**	**.01636**	**.00062**	**.00047**	**-.00059**	**-.00001**
Stddev	.00010	.00092	.00223	.00239	.00557	.00183	.00026	.00006	.00235	.00043
%RSD	3.1127	34.806	64.599	358.21	1519.9	11.192	42.249	12.435	399.55	4601.5
#1	.00328	.00199	.00187	-.00236	.00357	.01766	.00081	.00043	.00107	-.00031
#2	.00314	.00328	.00502	.00102	-.00430	.01507	.00044	.00052	-.00225	.00029
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.02987**	**-.00027**	F **.01055**	**.00217**
Stddev	.00062	.00847	.00055	.00038	.00070
%RSD	176.65	28.362	204.69	3.6112	32.096
#1	.00009	.02388	-.00065	.01081	.00168
#2	-.00079	.03586	.00012	.01028	.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.01000	
Low Limit				-.01000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4168.2**	**58138.**	**4054.2**
Stddev	5.4	19.	24.8
%RSD	.12854	.03264	.61167
#1	4172.0	58125.	4036.7
#2	4164.4	58152.	4071.7

Sample Name: LCS 280-113582/2-C Acquired: 4/3/2012 11:20:23 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20532**	**.38051**	**.78049**	**.23349**	**2.3162**	**.00929**	**.39106**	**9.4506**	**.21927**	**.09409**
Stddev	.00176	.00140	.00560	.00142	.0027	.00005	.00069	.0181	.00010	.00036
%RSD	.85720	.36745	.71749	.60740	.11749	.53741	.17543	.19162	.04724	.38768
#1	.20656	.37952	.78445	.23450	2.3143	.00933	.39058	9.4378	.21934	.09435
#2	.20408	.38150	.77653	.23249	2.3182	.00926	.39155	9.4634	.21920	.09383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0215**	**.44145**	**.19335**	**9.4445**	**.18588**	**8.9586**	**.09493**	**.19044**	F **293.96**	**.09496**
Stddev	.0009	.00127	.00315	.0329	.00253	.0502	.00007	.00027	.79	.00045
%RSD	.08625	.28760	1.6275	.34877	1.3587	.56061	.06953	.14383	.26977	.47376
#1	1.0221	.44234	.19557	9.4678	.18767	8.9941	.09498	.19063	293.40	.09528
#2	1.0209	.44055	.19112	9.4212	.18409	8.9230	.09489	.19025	294.52	.09464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									12.000	
Low Limit									8.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9230**	**1.0542**	**.00550**	**.09244**	**.57349**	F **1.8463**	**.37979**	**.18709**	**.18803**	**.19324**
Stddev	.0047	.0051	.00158	.00066	.00284	.0056	.00071	.00040	.00146	.00104
%RSD	.24285	.48233	28.720	.71156	.49596	.30613	.18731	.21291	.77494	.53820
#1	1.9263	1.0578	.00438	.09290	.57148	1.8503	.38029	.18681	.18700	.19398
#2	1.9197	1.0506	.00662	.09197	.57550	1.8423	.37929	.18737	.18906	.19251
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.48000				
Low Limit						.32000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.35788**	**.42329**	**.09740**	**.50385**	**.09270**
Stddev	.00230	.00753	.00034	.00114	.00143
%RSD	.64204	1.7798	.35195	.22575	1.5414
#1	.35950	.41796	.09715	.50465	.09169
#2	.35625	.42861	.09764	.50304	.09371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4179.9**	**58229.**	**4118.4**
Stddev	.9	93.	.9
%RSD	.02069	.15973	.02065
#1	4180.5	58163.	4119.0
#2	4179.3	58295.	4117.8

Sample Name: 280-27082-A-1-D Acquired: 4/3/2012 11:22:49 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.17899**	**.00007**	**.03234**	**.07152**	**.00022**	**-.00403**	**24.132**	**.00008**	**.00218**
Stddev	.00074	.00021	.00141	.00014	.00064	.00006	.00179	.139	.00002	.00030
%RSD	151.91	.11942	2089.6	.42598	.89396	26.521	44.434	.57727	20.952	13.615
#1	-.00004	.17884	-.00093	.03224	.07107	.00026	-.00276	24.034	.00007	.00239
#2	.00101	.17914	.00106	.03244	.07198	.00017	-.00529	24.231	.00010	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00697**	**.08863**	**1.6703**	**.00213**	**5.2517**	**.31462**	**.00042**	W **520.62**	**.00305**
Stddev	.00000	.00004	.00201	.0275	.00114	.0055	.00005	.00018	2.55	.00024
%RSD	.10621	.59687	2.2653	1.6484	53.476	.10435	.01632	41.937	.48943	7.7744
#1	.00127	.00700	.09005	1.6898	.00132	5.2478	.31458	.00030	518.82	.00322
#2	.00127	.00694	.08721	1.6508	.00294	5.2556	.31465	.00054	522.42	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03322**	**.00281**	**.19786**	**-.00095**	**.00360**	**1.5421**	**-.00024**	**.04411**	**.00040**	**.00727**
Stddev	.00528	.00035	.00022	.00320	.00030	.0072	.00120	.00028	.00171	.00020
%RSD	15.891	12.604	.11047	336.47	8.3952	.46615	495.61	.64377	427.10	2.8168
#1	.02949	.00256	.19802	-.00321	.00338	1.5471	-.00109	.04390	.00161	.00742
#2	.03695	.00306	.19771	.00131	.00381	1.5370	.00061	.04431	-.00081	.00713
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.02845**	**.00001**	**.02903**	**.00184**
Stddev	.00120	.00231	.00125	.00034	.00144
%RSD	590.84	8.1304	11954.	1.1729	78.269
#1	-.00105	.02681	.00089	.02927	.00286
#2	.00065	.03008	-.00087	.02879	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4148.5**	**57406.**	**4124.6**
Stddev	6.1	43.	9.4
%RSD	.14821	.07538	.22770
#1	4152.9	57437.	4131.3
#2	4144.2	57376.	4118.0

Sample Name: sd 280-27082-A-1-D@5 Acquired: 4/3/2012 11:26:01 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.03722**	**-.00366**	**.00947**	**.01410**	**-.00004**	**.00040**	**4.6582**	**-.00015**	**.00059**
Stddev	.00025	.00095	.00070	.00038	.00009	.00008	.00214	.0119	.00002	.00026
%RSD	57.353	2.5426	19.261	4.0016	.66704	206.82	529.91	.25567	14.948	44.514
#1	.00061	.03789	-.00416	.00974	.01416	-.00010	.00192	4.6498	-.00017	.00077
#2	.00026	.03655	-.00316	.00921	.01403	.00002	-.00111	4.6666	-.00014	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00121**	**.02431**	**.36389**	**.00046**	**1.0462**	**.06064**	**-.00009**	**100.59**	**.00106**
Stddev	.00014	.00040	.00089	.01310	.00007	.0035	.00005	.00005	.31	.00027
%RSD	33.888	33.380	3.6558	3.5989	16.059	.33575	.08044	55.669	.30681	25.660
#1	.00051	.00150	.02368	.35463	.00041	1.0437	.06061	-.00012	100.81	.00125
#2	.00031	.00093	.02494	.37315	.00051	1.0487	.06068	-.00005	100.37	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00658**	**.00187**	**.03562**	**-.00300**	**-.00231**	**.29745**	**-.00054**	**.00840**	**.00068**	**.00142**
Stddev	.00183	.00048	.00258	.00275	.00412	.00599	.00041	.00009	.00215	.00002
%RSD	27.863	25.761	7.2564	91.588	178.06	2.0147	74.718	1.1010	317.37	1.1608
#1	.00788	.00153	.03745	-.00495	.00060	.29321	-.00026	.00833	.00220	.00143
#2	.00528	.00221	.03379	-.00106	-.00522	.30169	-.00083	.00846	-.00084	.00141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**-.01719**	**-.00048**	**.00970**	**.00137**
Stddev	.00005	.01199	.00002	.00032	.00177
%RSD	12.745	69.763	4.8893	3.2869	129.25
#1	.00037	-.02567	-.00049	.00993	.00263
#2	.00045	-.00871	-.00046	.00948	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4280.9**	**60182.**	**4108.7**
Stddev	.4	201.	.2
%RSD	.01023	.33441	.00430
#1	4281.2	60039.	4108.6
#2	4280.6	60324.	4108.8

Sample Name: 280-27082-A-1-E MS Acquired: 4/3/2012 11:28:30 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.20045**	**.55796**	**.76475**	**.20596**	**2.2951**	**.00906**	**.37406**	**33.039**	**.21216**	**.09138**
Stddev	.00030	.00378	.00194	.00054	.0004	.00002	.00106	.009	.00020	.00016
%RSD	.14991	.67789	.25338	.26303	.01950	.24212	.28212	.02625	.09304	.17782
#1	.20023	.55529	.76612	.20634	2.2954	.00904	.37332	33.045	.21230	.09150
#2	.20066	.56064	.76338	.20557	2.2948	.00907	.37481	33.033	.21202	.09127
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98286**	**.42891**	**.26937**	**10.894**	**.18157**	**13.755**	**.40457**	**.18361**	W **526.03**	**.09309**
Stddev	.00048	.00029	.00196	.105	.00014	.012	.00022	.00018	.25	.00071
%RSD	.04898	.06650	.72689	.96215	.07481	.08596	.05508	.09852	.04842	.75825
#1	.98252	.42911	.27075	10.820	.18148	13.763	.40473	.18374	525.85	.09359
#2	.98320	.42870	.26799	10.968	.18167	13.747	.40441	.18348	526.21	.09260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9330**	**1.0013**	**.19339**	**.08840**	**.56173**	**3.3614**	**.36494**	**.22377**	**.18417**	**.18813**
Stddev	.0007	.0010	.00004	.00077	.00205	.0127	.00192	.00056	.00315	.00054
%RSD	.03402	.09461	.01937	.87614	.36483	.37661	.52588	.25072	1.7100	.28910
#1	1.9335	1.0007	.19342	.08786	.56318	3.3703	.36358	.22338	.18195	.18774
#2	1.9325	1.0020	.19336	.08895	.56029	3.3524	.36629	.22417	.18640	.18851
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.33332**	**.39029**	**.09457**	**.50458**	**.09116**
Stddev	.00277	.04212	.00076	.00100	.00127
%RSD	.83234	10.791	.80384	.19768	1.3977
#1	.33528	.42007	.09404	.50528	.09206
#2	.33136	.36051	.09511	.50387	.09026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4111.2**	**56930.**	**4094.8**
Stddev	.4	118.	2.3
%RSD	.00992	.20747	.05555
#1	4110.9	56846.	4096.4
#2	4111.5	57013.	4093.2

Sample Name: 280-27082-A-1-F MSD Acquired: 4/3/2012 11:31:34 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.20384**	**.56273**	**.77247**	**.20791**	**2.3309**	**.00917**	**.37804**	**33.476**	**.21497**	**.09297**
Stddev	.00120	.00169	.00077	.00100	.0190	.00008	.00231	.284	.00062	.00025
%RSD	.58838	.30114	.10029	.47951	.81442	.84362	.61149	.84908	.28682	.26499
#1	.20299	.56153	.77301	.20721	2.3175	.00911	.37641	33.275	.21453	.09315
#2	.20468	.56393	.77192	.20862	2.3443	.00922	.37967	33.677	.21540	.09280
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99636**	**.43578**	**.37275**	**11.108**	**.18452**	**13.967**	**.41193**	**.18779**	W **535.45**	**.09458**
Stddev	.00115	.00086	.00298	.016	.00210	.061	.00130	.00032	4.90	.00008
%RSD	.11512	.19708	.79836	.14734	1.1356	.43586	.31497	.17021	.91478	.08532
#1	.99717	.43517	.37485	11.120	.18304	13.924	.41102	.18801	531.98	.09452
#2	.99554	.43638	.37065	11.097	.18600	14.010	.41285	.18756	538.91	.09463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9451**	**1.0129**	**.19722**	**.08941**	**.57225**	**3.4055**	**.36774**	**.22677**	**.18656**	**.19103**
Stddev	.0024	.0019	.00492	.00112	.00651	.0393	.00197	.00184	.00088	.00095
%RSD	.12247	.19265	2.4943	1.2568	1.1378	1.1551	.53526	.80975	.47072	.49863
#1	1.9468	1.0115	.20070	.09020	.57685	3.3777	.36913	.22547	.18593	.19036
#2	1.9434	1.0143	.19375	.08861	.56764	3.4333	.36634	.22807	.18718	.19171
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.33717**	**.38509**	**.09645**	**.52175**	**.09023**
Stddev	.00162	.00476	.00010	.00191	.00060
%RSD	.48023	1.2354	.10359	.36570	.66222
#1	.33832	.38845	.09638	.52040	.08981
#2	.33603	.38173	.09652	.52310	.09065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4121.7**	**56873.**	**4118.8**
Stddev	3.8	219.	26.5
%RSD	.09120	.38475	.64333
#1	4119.1	57027.	4137.6
#2	4124.4	56718.	4100.1

Sample Name: pds 280-27082-A-1-D Acquired: 4/3/2012 11:34:39 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113731 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05263**	**1.1893**	**.21418**	**.12975**	**.17667**	**.05240**	**-.00595**	**44.988**	**.05435**	**.05396**
Stddev	.00016	.0030	.00063	.00059	.00078	.00038	.00260	.154	.00007	.00048
%RSD	.30169	.25252	.29395	.45335	.44072	.71705	43.668	.34302	.12814	.89316
#1	.05252	1.1914	.21463	.12933	.17722	.05267	-.00411	45.097	.05430	.05430
#2	.05275	1.1871	.21374	.13017	.17612	.05213	-.00779	44.879	.05440	.05362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05428**	**.05953**	**1.1193**	**23.274**	**.10836**	**24.828**	**.36024**	**.05124**	W **534.51**	**.05486**
Stddev	.00035	.00063	.0019	.111	.00007	.026	.00073	.00013	1.55	.00026
%RSD	.63917	1.0577	.16799	.47626	.06505	.10653	.20358	.26091	.28993	.47915
#1	.05453	.05998	1.1206	23.352	.10841	24.847	.36076	.05133	535.61	.05467
#2	.05404	.05909	1.1180	23.195	.10831	24.809	.35972	.05114	533.42	.05504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2261**	**.10356**	**.19931**	**.10262**	**.21187**	**6.5429**	**.10228**	**.09807**	**.21552**	**.05992**
Stddev	.0074	.00152	.00714	.00227	.00133	.0325	.00013	.00045	.00065	.00068
%RSD	.33075	1.4670	3.5806	2.2147	.62709	.49683	.12443	.45960	.30338	1.1422
#1	2.2313	.10463	.20436	.10423	.21281	6.5658	.10219	.09839	.21598	.05944
#2	2.2209	.10249	.19427	.10101	.21093	6.5199	.10237	.09775	.21506	.06040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19225**	**.54555**	**.05576**	**.24463**	**.05359**
Stddev	.00181	.01166	.00088	.00022	.00108
%RSD	.94182	2.1369	1.5708	.09012	2.0203
#1	.19353	.53731	.05638	.24479	.05283
#2	.19097	.55380	.05514	.24447	.05436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.0**	**57314.**	**4113.5**
Stddev	3.4	102.	13.0
%RSD	.08246	.17737	.31568
#1	4144.4	57242.	4104.3
#2	4139.6	57386.	4122.7

Sample Name: CCVH-1338467 Acquired: 4/3/2012 11:37:45 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00419**	**49.476**	**-.00138**	**.00444**	**.00057**	**.00003**	**1.0170**	**.00907**	**-.00192**	**.00186**	**.00042**	**.00325**	**49.307**
Stddev	.00044	.146	.00070	.00012	.00045	.00006	.0025	.00343	.00007	.00029	.00024	.00044	.115
%RSD	10.546	.29470	50.774	2.6476	77.847	191.84	.24659	37.854	3.8243	15.844	55.801	13.466	.23388
#1	.00450	49.373	-.00088	.00436	.00089	-.00001	1.0152	.00664	-.00197	.00206	.00026	.00294	49.225
#2	.00388	49.579	-.00187	.00453	.00026	.00008	1.0188	.01150	-.00187	.00165	.00059	.00356	49.388
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09134**	**.00138**	**-.00826**	**-.00002**	**-.00124**	**247.93**	**.00179**	**.00733**	**.00227**	**4.9492**	**-.00394**	**-.00600**	**.02634**
Stddev	.03561	.00113	.00490	.00002	.00004	.02	.00009	.00073	.00200	.0049	.00177	.00115	.02657
%RSD	38.987	81.982	59.344	107.31	3.3698	.00617	5.2387	10.024	88.126	.09964	45.018	19.221	100.85
#1	.11652	.00217	-.00480	-.00001	-.00121	247.92	.00186	.00785	.00369	4.9457	-.00519	-.00519	.04513
#2	.06616	.00058	-.01173	-.00004	-.00127	247.94	.00172	.00681	.00086	4.9527	-.00269	-.00682	.00756
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00297**	**.00022**	**4.9998**	**.00098**	**.00222**	**10.051**	**.00906**	**.00319**	**-.02014**
Stddev	.00004	.00011	.0076	.00002	.00041	.015	.00036	.00007	.00248
%RSD	1.2000	48.751	.15147	2.5409	18.585	.14642	3.9664	2.2560	12.336
#1	.00294	.00029	4.9945	.00096	.00252	10.062	.00881	.00314	-.02190
#2	.00299	.00014	5.0052	.00100	.00193	10.041	.00932	.00324	-.01839
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4282.6**	**59358.**	**4090.3**
Stddev	10.4	192.	18.7
%RSD	.24238	.32304	.45732
#1	4275.3	59493.	4103.5
#2	4289.9	59222.	4077.1

Sample Name: CCV-1338469 Acquired: 4/3/2012 11:40:12 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51279**	**.51700**	**.99777**	**.50709**	**.50012**	**.48731**	**.00242**	**4.9653**	**.50535**	**.50781**	**.50522**	**.49766**	**2.4506**
Stddev	.00187	.00308	.00053	.00023	.00026	.00054	.00172	.0061	.00027	.00088	.00062	.00238	.0006
%RSD	.36553	.59661	.05271	.04555	.05277	.11156	70.766	.12342	.05434	.17331	.12218	.47825	.02534
#1	.51146	.51482	.99740	.50692	.49994	.48693	.00364	4.9610	.50516	.50719	.50478	.49597	2.4502
#2	.51411	.51918	.99814	.50725	.50031	.48770	.00121	4.9696	.50554	.50844	.50566	.49934	2.4510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.633**	**.97745**	**19.905**	**.49513**	**.49817**	**5.1634**	**.50496**	**.99996**	**1.0187**	**-.00387**	**.99911**	**1.0065**	**4.8682**
Stddev	.008	.00082	.073	.00140	.00012	.0038	.00006	.00173	.0005	.00091	.00301	.0018	.0327
%RSD	.01697	.08404	.36846	.28325	.02456	.07362	.01187	.17329	.05115	23.665	.30176	.18065	.67164
#1	48.639	.97804	19.853	.49414	.49808	5.1607	.50501	.99873	1.0184	-.00322	1.0012	1.0078	4.8451
#2	48.627	.97687	19.957	.49612	.49826	5.1661	.50492	1.0012	1.0191	-.00451	.99698	1.0052	4.8913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0257**	**.49002**	**-.00092**	**.50116**	**1.0335**	**-.00407**	**.50320**	**.49996**	**.49383**
Stddev	.0004	.00027	.00154	.00195	.0006	.01564	.00144	.00193	.00266
%RSD	.04087	.05536	168.06	.38857	.05603	384.59	.28603	.38556	.53802
#1	1.0260	.49021	-.00200	.49979	1.0331	-.01513	.50218	.49860	.49196
#2	1.0254	.48983	.00017	.50254	1.0340	.00699	.50422	.50132	.49571
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4345.8**	**60910.**	**4107.4**
Stddev	12.5	255.	.2
%RSD	.28793	.41813	.00481
#1	4354.7	61090.	4107.5
#2	4337.0	60730.	4107.3

Sample Name: CCB Acquired: 4/3/2012 11:42:30 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00036**	**.00021**	W **.00280**	**.00040**	**.00002**	**-.00319**	**.00481**	**-.00019**	**-.00021**	**.00060**
Stddev	.00015	.00097	.00036	.00038	.00020	.00000	.00183	.00833	.00007	.00001	.00006
%RSD	168.39	266.11	165.44	13.621	49.643	18.095	57.508	173.09	34.156	6.8024	10.346
#1	-.00020	.00105	-.00004	.00253	.00026	.00002	-.00189	.01070	-.00024	-.00020	.00055
#2	.00002	-.00032	.00047	.00307	.00054	.00002	-.00449	-.00108	-.00015	-.00022	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.00402**	**.04926**	**.00032**	**-.00028**	**.00000**	**.00057**	F **.16748**	**.00004**	**-.00016**	**.00073**
Stddev	.00033	.00132	.03593	.00066	.00078	.00001	.00024	.00842	.00007	.00040	.00104
%RSD	33.016	32.891	72.952	208.71	277.93	436.24	42.138	5.0303	189.98	246.41	142.50
#1	-.00077	.00495	.02385	.00078	-.00084	.00001	.00073	.17344	.00008	.00012	.00146
#2	-.00124	.00308	.07467	-.00015	.00027	.00000	.00040	.16152	-.00001	-.00045	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.10000			
Low Limit								-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00183**	W **.00326**	**-.00387**	**.00775**	**.00155**	**-.00003**	**.00119**	**.00015**	**.00000**	**-.02301**	**-.00089**
Stddev	.00471	.00159	.00013	.01246	.00045	.00012	.00028	.00020	.00222	.04777	.00001
%RSD	257.07	48.762	3.4559	160.81	29.205	477.51	23.315	135.54	80584.	207.61	1.0745
#1	-.00516	.00214	-.00396	-.00106	.00123	-.00011	.00138	.00029	-.00157	-.05679	-.00089
#2	.00150	.00438	-.00377	.01656	.00187	.00006	.00099	.00001	.00158	.01077	-.00090
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00225**	**-.00020**
Stddev	.00011	.00044
%RSD	4.8565	218.48
#1	.00217	.00011
#2	.00233	-.00052
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4302.9**	**61391.**	**4081.3**
Stddev	2.5	26.	7.8
%RSD	.05853	.04297	.19216
#1	4304.7	61372.	4086.9
#2	4301.1	61409.	4075.8

Sample Name: CCVL1342846 Acquired: 4/3/2012 11:45:01 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01089**	**.10556**	**.01270**	**.09650**	**.01060**	**.00103**	**.10780**	**.20203**	**.00491**	**.01035**	**.01102**
Stddev	.00072	.00008	.00111	.00042	.00005	.00002	.00063	.00065	.00000	.00019	.00014
%RSD	6.6371	.07805	8.7205	.43997	.49612	2.1679	.58094	.32167	.07449	1.8481	1.2792
#1	.01140	.10550	.01348	.09680	.01064	.00104	.10824	.20249	.00492	.01021	.01092
#2	.01038	.10561	.01191	.09620	.01057	.00101	.10735	.20158	.00491	.01048	.01112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01464**	**.10239**	**2.9793**	**.00941**	**.20124**	**.01033**	**.01948**	**1.1194**	**.04135**	**2.7611**	W **.01093**
Stddev	.00024	.00074	.0471	.00048	.00152	.00009	.00011	.0118	.00038	.0141	.00017
%RSD	1.6412	.72576	1.5816	5.1379	.75658	.84273	.57267	1.0516	.90941	.51265	1.5959
#1	.01481	.10187	3.0126	.00975	.20231	.01039	.01940	1.1278	.04162	2.7511	.01105
#2	.01447	.10292	2.9460	.00907	.20016	.01027	.01956	1.1111	.04108	2.7711	.01080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value											.00900
Range											20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00225**	**.01018**	F **.00899**	**.49921**	**.10233**	**.00986**	**.01490**	**.00995**	**.01705**	F **.08840**	**.00983**
Stddev	.00252	.00166	.00380	.00012	.00154	.00009	.00031	.00016	.00008	.01735	.00005
%RSD	111.85	16.317	42.330	.02339	1.5044	.95247	2.0690	1.6031	.49320	19.626	.46219
#1	-.00047	.01136	.01168	.49913	.10125	.00993	.01512	.00984	.01699	.10066	.00980
#2	-.00403	.00901	.00630	.49930	.10342	.00979	.01468	.01006	.01710	.07613	.00986
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			.01500							.06000	
Range			-30.000%							30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02203**	**.01671**
Stddev	.00025	.00099
%RSD	1.1136	5.9421
#1	.02186	.01742
#2	.02220	.01601
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4330.9**	**61402.**	**4077.9**
Stddev	3.9	1.	15.6
%RSD	.09099	.00099	.38182
#1	4333.7	61402.	4066.9
#2	4328.1	61402.	4088.9

Sample Name: MB 280-113656/1-A Acquired: 4/3/2012 11:47:31 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00693**	**-.00373**	F **.01406**	**.00079**	**.00004**	**-.00457**	**.03853**	**-.00011**	**-.00010**
Stddev	.00022	.00078	.00266	.00026	.00008	.00000	.00175	.00192	.00009	.00014
%RSD	25.460	11.209	71.243	1.8148	9.7899	9.6566	38.184	4.9714	76.985	142.45
#1	.00070	.00638	-.00185	.01424	.00073	.00003	-.00581	.03989	-.00005	.00000
#2	.00101	.00748	-.00561	.01388	.00084	.00004	-.00334	.03718	-.00017	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00038**	**.01626**	**.05836**	**-.00107**	**.00545**	**.00013**	**.00024**	**.30559**	**-.00008**
Stddev	.00010	.00027	.00102	.03337	.00027	.00035	.00003	.00018	.02090	.00009
%RSD	84.899	71.314	6.2840	57.177	25.765	6.4787	24.674	74.358	6.8406	108.28
#1	-.00005	-.00057	.01554	.08196	-.00087	.00520	.00015	.00037	.29081	-.00002
#2	-.00018	-.00019	.01698	.03477	-.00126	.00570	.00011	.00011	.32038	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00963**	**.00084**	**.01927**	**-.00066**	**-.00292**	W **.07905**	**.01450**	**.00015**	**-.00003**	**.00028**
Stddev	.00176	.00150	.00271	.00066	.00250	.00103	.00019	.00003	.00047	.00004
%RSD	18.303	177.49	14.044	99.354	85.491	1.3068	1.2801	20.049	1736.6	14.062
#1	.00838	.00190	.01736	-.00020	-.00115	.07978	.01463	.00013	.00030	.00025
#2	.01087	-.00022	.02118	-.00113	-.00468	.07832	.01437	.00017	-.00036	.00031
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500					.05000				
Low Limit	-.00500					-.05000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**-.01571**	**-.00033**	**.00290**	**.00274**
Stddev	.00061	.00187	.00029	.00009	.00162
%RSD	71.604	11.893	87.413	3.2065	59.018
#1	-.00042	-.01439	-.00054	.00283	.00389
#2	-.00127	-.01703	-.00013	.00296	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4400.5**	**62726.**	**4152.1**
Stddev	5.6	82.	.2
%RSD	.12786	.13132	.00596
#1	4396.5	62784.	4152.0
#2	4404.5	62668.	4152.3

Sample Name: LCS 280-113656/2-A Acquired: 4/3/2012 11:53:42 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05321**	**1.9987**	**1.0022**	**1.0820**	**2.0400**	**.04984**	**2.1295**	**50.077**	**.10404**	**.50206**
Stddev	.00039	.0088	.0024	.0010	.0022	.00006	.0026	.047	.00017	.00112
%RSD	.73794	.44058	.23473	.08897	.10854	.12582	.12275	.09478	.16324	.22213
#1	.05349	1.9925	1.0039	1.0827	2.0416	.04989	2.1276	50.111	.10392	.50285
#2	.05293	2.0050	1.0006	1.0813	2.0385	.04980	2.1313	50.044	.10416	.50127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20565**	**.25517**	**1.0272**	**49.930**	**1.0066**	**48.609**	**.50275**	**1.0215**	**51.590**	**.50359**
Stddev	.00054	.00012	.0034	.038	.0023	.019	.00097	.0001	.645	.00087
%RSD	.26276	.04872	.33157	.07606	.22417	.03903	.19259	.00975	1.2499	.17311
#1	.20603	.25508	1.0296	49.957	1.0050	48.596	.50207	1.0214	52.046	.50298
#2	.20527	.25526	1.0248	49.903	1.0082	48.622	.50344	1.0216	51.134	.50421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.197**	**.50285**	**.02306**	**.49685**	**1.9625**	**2.4984**	**2.0436**	**1.0062**	**1.0234**	**1.0339**
Stddev	.019	.00090	.00304	.00263	.0080	.0291	.0051	.0026	.0008	.0011
%RSD	.18627	.17986	13.169	.52968	.40674	1.1659	.24890	.25571	.07904	.10447
#1	10.210	.50349	.02521	.49499	1.9681	2.5190	2.0472	1.0080	1.0240	1.0331
#2	10.183	.50221	.02092	.49871	1.9568	2.4778	2.0400	1.0044	1.0228	1.0346
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9965**	**2.1331**	**.52014**	**.49379**	**.49750**
Stddev	.0077	.0012	.00054	.00066	.00017
%RSD	.38714	.05682	.10394	.13458	.03446
#1	2.0020	2.1322	.51976	.49426	.49762
#2	1.9911	2.1339	.52052	.49332	.49738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4192.9**	**59291.**	**4084.3**
Stddev	4.5	29.	26.5
%RSD	.10797	.04967	.64968
#1	4189.7	59271.	4065.5
#2	4196.1	59312.	4103.0

Sample Name: 280-27123-A-1-G@5 Acquired: 4/3/2012 11:59:16 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	W **3.4875**	**.04386**	**.00448**	**1.4586**	**.00015**	**.00394**	**1.5308**	**.00767**	**.02775**
Stddev	.00017	.0163	.00361	.00023	.0016	.00007	.00148	.0078	.00000	.00020
%RSD	9.7610	.46601	8.2343	5.0664	.10952	45.077	37.609	.51279	.00518	.71181
#1	.00184	3.4760	.04641	.00432	1.4575	.00019	.00498	1.5253	.00767	.02789
#2	.00161	3.4990	.04131	.00464	1.4597	.00010	.00289	1.5364	.00767	.02761
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05981**	**.32105**	**362.71**	**.25320**	**.00274**	**.33186**	**1.6854**	**.00566**	**.15119**	**.14306**
Stddev	.00004	.00031	.04	.01900	.00033	.00333	.0013	.00000	.01789	.00045
%RSD	.07062	.09697	.01169	7.5027	11.996	1.0033	.07529	.04689	11.832	.31626
#1	.05984	.32127	362.74	.26663	.00297	.32950	1.6845	.00566	.16384	.14338
#2	.05978	.32083	362.68	.23976	.00250	.33421	1.6863	.00567	.13854	.14274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0382**	**1.3935**	**2.2083**	**.01606**	F **-.01175**	**.95899**	**.47030**	**.02518**	**.00738**	**.12665**
Stddev	.0045	.0005	.0018	.00042	.00475	.04038	.00438	.00012	.00191	.00001
%RSD	.43655	.03567	.07985	2.5984	40.407	4.2108	.93124	.46072	25.949	.00877
#1	1.0414	1.3931	2.2070	.01577	-.01511	.93044	.47340	.02510	.00873	.12666
#2	1.0350	1.3938	2.2095	.01636	-.00839	.98754	.46720	.02526	.00603	.12664
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**.05926**	**.01789**	**2.7893**	**.00292**
Stddev	.00045	.00694	.00050	.0053	.00088
%RSD	46.961	11.712	2.7706	.18829	30.278
#1	-.00064	.05435	.01824	2.7856	.00354
#2	-.00127	.06417	.01754	2.7930	.00229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4317.6**	**61106.**	**4113.8**
Stddev	10.5	90.	29.4
%RSD	.24216	.14705	.71372
#1	4325.0	61169.	4093.1
#2	4310.2	61042.	4134.6

Sample Name: sd 27123-A-1-G@25 Acquired: 4/3/2012 12:01:41 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.69649**	**.00661**	**.00560**	**.29104**	**.00005**	**-.00007**	**.31523**	**.00132**	**.00557**
Stddev	.00025	.00353	.00215	.00039	.00054	.00006	.00250	.00040	.00010	.00022
%RSD	45.838	.50629	32.596	7.0061	.18640	112.42	3693.7	.12740	7.5391	3.9594
#1	.00072	.69400	.00509	.00588	.29066	.00010	.00170	.31495	.00125	.00542
#2	.00037	.69899	.00813	.00533	.29142	.00001	-.00183	.31552	.00139	.00573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01246**	**.06363**	**72.908**	**.07620**	**.00078**	**.06909**	**.33650**	**.00099**	**.12804**	**.02950**
Stddev	.00005	.00018	.015	.01012	.00293	.00231	.00007	.00009	.01908	.00021
%RSD	.40727	.27808	.01995	13.283	374.05	3.3411	.01949	9.3089	14.898	.70930
#1	.01243	.06351	72.918	.06904	-.00129	.07073	.33655	.00106	.11455	.02935
#2	.01250	.06376	72.898	.08336	.00286	.06746	.33645	.00093	.14153	.02965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21042**	**.28835**	**.45515**	**.00406**	W **-.00547**	**.21649**	**.09518**	**.00499**	**.00162**	**.03043**
Stddev	.00212	.00322	.00303	.00025	.00441	.03531	.00043	.00004	.00022	.00662
%RSD	1.0092	1.1161	.66619	6.1681	80.656	16.308	.45553	.88101	13.695	21.769
#1	.20892	.28608	.45300	.00389	-.00235	.19153	.09487	.00502	.00178	.03511
#2	.21193	.29063	.45729	.00424	-.00858	.24146	.09548	.00496	.00146	.02574
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.03498**	**.00352**	**.56286**	**.00102**
Stddev	.00152	.01818	.00060	.00045	.00186
%RSD	101.67	51.970	17.163	.07980	183.02
#1	.00042	.04783	.00395	.56255	.00234
#2	.00257	.02212	.00309	.56318	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4406.2**	**61901.**	**4119.9**
Stddev	18.8	59.	31.7
%RSD	.42586	.09561	.76991
#1	4392.9	61943.	4142.3
#2	4419.4	61860.	4097.5

Sample Name: 27123-A-1-H MS@5 Acquired: 4/3/2012 12:04:10 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01283**	**6.1016**	**.23163**	**.19982**	**1.7614**	**.00987**	**.43794**	**11.409**	**.03475**	**.13099**
Stddev	.00048	.0469	.00086	.00046	.0061	.00012	.00192	.060	.00018	.00002
%RSD	3.7606	.76888	.37111	.23254	.34865	1.2157	.43745	.52225	.51284	.01704
#1	.01317	6.1348	.23224	.20014	1.7657	.00996	.43659	11.451	.03463	.13097
#2	.01249	6.0685	.23102	.19949	1.7570	.00979	.43930	11.367	.03488	.13101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15134**	**.42047**	**359.67**	**10.528**	**.20188**	**10.211**	**2.0497**	**.21124**	F **10.032**	**10.988**
Stddev	.00039	.00073	1.15	.028	.00085	.001	.0014	.00022	.034	.284
%RSD	.25557	.17399	.31927	.26118	.42111	.00695	.06689	.10288	.34250	2.5834
#1	.15106	.42099	360.49	10.509	.20128	10.212	2.0507	.21140	10.056	10.788
#2	.15161	.41995	358.86	10.548	.20248	10.211	2.0487	.21109	10.008	11.189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10.000	
Low Limit									-1.0000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23258**	**2.9334**	**1.3608**	**1.9837**	**.10820**	**.37682**	**1.6403**	**1.3339**	**.22232**	**.18398**
Stddev	.00053	.0024	.0004	.0073	.00190	.00309	.0008	.0043	.00061	.00060
%RSD	.22695	.08126	.02792	.37054	1.7579	.82037	.04834	.32582	.27535	.32343
#1	.23220	2.9317	1.3610	1.9785	.10954	.37900	1.6408	1.3308	.22275	.18356
#2	.23295	2.9351	1.3605	1.9889	.10685	.37463	1.6397	1.3370	.22189	.18440
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37489**	**.39861**	**.46924**	**.11795**	**2.7460**	**.06963**
Stddev	.00280	.00024	.01273	.00019	.0004	.00178
%RSD	.74640	.06007	2.7138	.16374	.01625	2.5548
#1	.37687	.39844	.46023	.11782	2.7463	.07088
#2	.37291	.39878	.47824	.11809	2.7457	.06837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4349.3**	**60937.**	**4187.1**
Stddev	6.2	25.	5.1
%RSD	.14304	.04144	.12245
#1	4344.9	60955.	4190.7
#2	4353.7	60919.	4183.5

Sample Name: 27123-A-1-I MSD@5 Acquired: 4/3/2012 12:06:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.15837**	**4.3522**	**.26762**	**.19754**	**3.8646**	**.00994**	**.45156**	**11.525**	**.02954**	**.14934**
Stddev	.00079	.0097	.00074	.00061	.0066	.00004	.00418	.035	.00002	.00002
%RSD	.50081	.22260	.27503	.30710	.17123	.39506	.92605	.30406	.05128	.01596
#1	.15893	4.3590	.26710	.19797	3.8692	.00991	.45451	11.550	.02952	.14935
#2	.15781	4.3453	.26814	.19711	3.8599	.00997	.44860	11.500	.02955	.14932
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21091**	**.63519**	W **627.54**	**10.366**	**.20548**	**10.031**	**2.7875**	**.22377**	F **10.227**	**11.566**
Stddev	.00026	.00291	1.68	.046	.00333	.036	.0085	.00033	.021	.342
%RSD	.12364	.45787	.26804	.44126	1.6215	.35585	.30496	.14867	.20825	2.9534
#1	.21073	.63725	628.73	10.398	.20783	10.056	2.7935	.22401	10.242	11.808
#2	.21109	.63313	626.35	10.333	.20312	10.006	2.7815	.22354	10.212	11.325
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			500.00						10.000	
Low Limit			40.000						-1.0000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38434**	**3.0526**	**7.4104**	**3.3651**	**.11746**	**.36661**	**2.0215**	**2.7514**	**.25768**	**.20616**
Stddev	.00069	.0025	.0060	.0057	.00371	.00366	.0398	.0021	.00079	.00444
%RSD	.18032	.08255	.08100	.16898	3.1564	.99783	1.9713	.07579	.30781	2.1521
#1	.38385	3.0543	7.4146	3.3691	.11484	.36402	2.0497	2.7529	.25824	.20930
#2	.38483	3.0508	7.4061	3.3611	.12008	.36919	1.9933	2.7499	.25712	.20302
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46254**	**.39821**	**.53481**	**.12925**	**3.8848**	**.07835**
Stddev	.00641	.00100	.03322	.00053	.0134	.00199
%RSD	1.3864	.25213	6.2116	.41073	.34456	2.5445
#1	.46707	.39892	.51132	.12962	3.8943	.07694
#2	.45801	.39750	.55830	.12887	3.8753	.07976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4256.7**	**59970.**	**4138.0**
Stddev	4.8	274.	23.2
%RSD	.11341	.45661	.56104
#1	4253.3	59776.	4121.6
#2	4260.1	60164.	4154.4

Sample Name: pds 27123-A-1-G@5 Acquired: 4/3/2012 12:08:51 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05516**	**4.4534**	**.25040**	**.10412**	**1.5312**	**.05099**	**.00040**	**22.145**	**.06127**	**.08005**
Stddev	.00031	.0148	.00224	.00115	.0005	.00010	.00118	.033	.00009	.00027
%RSD	.56401	.33264	.89353	1.1081	.03135	.19007	295.58	.14752	.15348	.33866
#1	.05494	4.4429	.25198	.10493	1.5316	.05092	-.00044	22.168	.06121	.07986
#2	.05538	4.4639	.24882	.10330	1.5309	.05106	.00124	22.122	.06134	.08024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11176**	**.36648**	**353.53**	**20.690**	**.10603**	**20.493**	**1.7015**	**.05535**	**21.770**	**.19097**
Stddev	.00030	.00051	.65	.021	.00028	.041	.0032	.00007	.495	.00028
%RSD	.27264	.13969	.18343	.10061	.26714	.20116	.18970	.12411	2.2735	.14687
#1	.11198	.36612	353.99	20.705	.10623	20.464	1.6992	.05530	21.420	.19077
#2	.11155	.36684	353.07	20.675	.10583	20.522	1.7038	.05540	22.120	.19117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1086**	**1.4432**	**2.2272**	**.11589**	**.19623**	**5.8556**	**.56295**	**.07808**	**.22383**	**.16949**
Stddev	.0039	.0014	.0009	.00138	.00193	.0005	.00159	.00033	.00549	.00459
%RSD	.12527	.09778	.04028	1.1882	.98469	.00845	.28172	.41806	2.4538	2.7098
#1	3.1059	1.4422	2.2279	.11686	.19760	5.8560	.56183	.07785	.21995	.16624
#2	3.1114	1.4442	2.2266	.11491	.19486	5.8553	.56408	.07831	.22772	.17273
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20668**	**.59177**	**.07223**	**2.9502**	**.05047**
Stddev	.00087	.00422	.00044	.0085	.00118
%RSD	.42211	.71286	.61444	.28827	2.3478
#1	.20730	.59476	.07254	2.9442	.05130
#2	.20607	.58879	.07192	2.9562	.04963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4323.6**	**60685.**	**4185.6**
Stddev	6.8	181.	26.7
%RSD	.15746	.29881	.63833
#1	4318.8	60813.	4166.7
#2	4328.5	60556.	4204.4

Sample Name: CCVH-1338467 Acquired: 4/3/2012 12:11:10 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**49.577**	**-.00608**	**.00283**	**.00059**	**-.00004**	**1.0232**	**.00225**	**-.00202**	**.00203**	**.00008**	**.00260**	**48.938**
Stddev	.00013	.219	.00560	.00010	.00010	.00004	.0004	.00044	.00014	.00015	.00002	.00010	.273
%RSD	3.5309	.44114	92.182	3.4276	16.314	108.03	.04259	19.746	7.0477	7.3718	28.114	3.7173	.55729
#1	.00349	49.732	-.01004	.00290	.00066	-.00001	1.0229	.00194	-.00212	.00192	.00007	.00266	49.131
#2	.00366	49.423	-.00212	.00276	.00052	-.00007	1.0235	.00257	-.00192	.00213	.00010	.00253	48.745
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00417**	**.00152**	**-.01034**	**-.00025**	**-.00130**	**248.30**	**.00186**	**.00768**	**.00125**	**4.9271**	**-.00253**	**-.00404**	**.01602**
Stddev	.00305	.00111	.00062	.00000	.00010	.43	.00021	.00085	.00041	.0360	.00094	.00147	.01373
%RSD	73.112	73.546	5.9514	.70758	7.8526	.17501	11.000	11.054	32.915	.73114	37.128	36.234	85.699
#1	-.00632	.00073	-.00991	-.00025	-.00123	248.61	.00172	.00828	.00096	4.9526	-.00186	-.00508	.02572
#2	-.00201	.00230	-.01078	-.00024	-.00138	247.99	.00201	.00708	.00154	4.9016	-.00319	-.00301	.00631
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**.00042**	**5.0268**	**.00161**	**.00358**	**10.091**	**.00829**	**.00343**	**-.02421**
Stddev	.00083	.00001	.0010	.00025	.00105	.010	.00003	.00002	.00152
%RSD	27.228	2.8693	.01975	15.487	29.265	.09637	.40785	.65970	6.2954
#1	.00245	.00043	5.0261	.00179	.00284	10.084	.00827	.00341	-.02529
#2	.00362	.00041	5.0276	.00143	.00432	10.098	.00832	.00344	-.02313
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4292.4**	**59491.**	**4130.4**
Stddev	.8	42.	10.7
%RSD	.01748	.06990	.25943
#1	4291.8	59462.	4122.8
#2	4292.9	59521.	4138.0

Sample Name: CCV-1338469 Acquired: 4/3/2012 12:13:36 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51711**	**.51138**	**.98746**	**.50535**	**.49725**	**.48001**	**-.00295**	**4.9191**	**.50430**	**.50633**	**.50485**	**.49686**	**2.4236**
Stddev	.00151	.00449	.00369	.00175	.00106	.00071	.00138	.0224	.00038	.00116	.00045	.00296	.0097
%RSD	.29148	.87771	.37370	.34630	.21290	.14737	46.672	.45588	.07620	.22881	.08901	.59613	.39797
#1	.51604	.50820	.99007	.50659	.49799	.48051	-.00392	4.9350	.50457	.50715	.50517	.49477	2.4304
#2	.51817	.51455	.98485	.50412	.49650	.47951	-.00197	4.9032	.50403	.50551	.50454	.49896	2.4168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.732**	**.96297**	**19.819**	**.49369**	**.49585**	**4.9581**	**.50062**	**.99548**	**1.0159**	**-.00300**	**.99690**	**1.0008**	**4.7804**
Stddev	.097	.00156	.092	.00186	.00091	.0019	.00153	.00421	.0004	.00350	.00207	.0059	.0090
%RSD	.20409	.16157	.46549	.37635	.18408	.03899	.30483	.42300	.04447	116.52	.20754	.58659	.18767
#1	47.801	.96407	19.754	.49238	.49650	4.9595	.50170	.99846	1.0156	-.00053	.99836	1.0050	4.7867
#2	47.663	.96187	19.884	.49501	.49521	4.9567	.49954	.99250	1.0162	-.00548	.99544	.99668	4.7741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0298**	**.48250**	**.00085**	**.50264**	**1.0308**	**.01077**	**.50605**	**.49935**	**.48961**
Stddev	.0007	.00108	.00113	.00268	.0012	.00052	.00095	.00010	.00073
%RSD	.07091	.22430	133.57	.53290	.11855	4.8225	.18736	.02030	.14906
#1	1.0293	.48327	.00165	.50075	1.0300	.01040	.50537	.49927	.48909
#2	1.0303	.48173	.00005	.50454	1.0317	.01114	.50672	.49942	.49013
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4351.5**	**60952.**	**4171.2**
Stddev	4.6	169.	9.1
%RSD	.10460	.27805	.21904
#1	4354.7	61072.	4164.7
#2	4348.3	60832.	4177.7

Sample Name: CCB Acquired: 4/3/2012 12:15:53 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00098**	**.00099**	W **.00235**	**.00049**	**.00006**	**-.00093**	**.00267**	**-.00012**	**-.00011**	W **.00069**
Stddev	.00008	.00013	.00129	.00027	.00002	.00001	.00167	.00392	.00000	.00009	.00012
%RSD	18.999	13.150	130.72	11.374	3.6818	18.329	179.28	146.91	1.3443	86.144	17.213
#1	.00038	.00089	.00190	.00254	.00048	.00007	-.00211	.00544	-.00012	-.00017	.00078
#2	.00049	.00107	.00007	.00216	.00051	.00005	.00025	-.00010	-.00011	-.00004	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				.00156							.00066
Low Limit				-.00156							-.00066

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.00318**	**.00238**	**-.00122**	**.00026**	**-.00002**	**.00083**	**.03446**	**-.00023**	**.00049**	**.00167**
Stddev	.00003	.00122	.03070	.00239	.00131	.00002	.00032	.00154	.00024	.00002	.00038
%RSD	3.9103	38.546	1291.2	194.73	495.68	138.26	39.023	4.4785	103.86	3.7179	22.733
#1	-.00085	.00404	.02409	-.00291	.00119	.00000	.00060	.03337	-.00040	.00050	.00194
#2	-.00090	.00231	-.01933	.00046	-.00066	-.00003	.00105	.03555	-.00006	.00048	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00620**	W **.00430**	**-.00250**	**.00740**	**.00109**	**.00001**	**.00137**	**.00005**	**.00035**	**-.00843**	**-.00039**
Stddev	.00064	.00051	.00444	.00930	.00052	.00012	.00078	.00030	.00088	.01743	.00010
%RSD	10.296	11.855	177.50	125.65	47.786	858.06	57.193	629.79	252.37	206.81	24.855
#1	-.00665	.00466	-.00564	.00083	.00146	.00010	.00192	-.00016	.00097	.00390	-.00032
#2	-.00575	.00394	.00064	.01398	.00072	-.00007	.00082	.00026	-.00027	-.02075	-.00046
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00217**	**.00175**
Stddev	.00033	.00198
%RSD	15.232	113.01
#1	.00194	.00035
#2	.00240	.00315
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4312.7**	**61105.**	**4063.2**
Stddev	4.0	109.	20.1
%RSD	.09193	.17782	.49520
#1	4309.9	61182.	4049.0
#2	4315.5	61029.	4077.4

Sample Name: CCVL1342846 Acquired: 4/3/2012 12:18:24 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01105**	**.10541**	F **.00987**	**.09675**	**.01056**	**.00103**	**.11042**	**.19826**	**.00495**	**.01042**	**.01108**	**.01403**
Stddev	.00006	.00020	.00116	.00071	.00018	.00011	.00073	.00138	.00003	.00002	.00018	.00041
%RSD	.57852	.18680	11.706	.73758	1.6695	10.527	.65772	.69475	.51170	.19814	1.5925	2.9485
#1	.01101	.10527	.00905	.09725	.01068	.00095	.11094	.19729	.00493	.01041	.01095	.01374
#2	.01110	.10555	.01069	.09624	.01043	.00110	.10991	.19923	.00496	.01044	.01120	.01432
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500									
Range			-30.000%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10376**	**2.8976**	**.01007**	**.20057**	**.01028**	**.01931**	**1.0443**	**.04104**	**2.7673**	**.01068**	**-.00175**	**.01163**
Stddev	.00185	.0713	.00161	.00340	.00005	.00007	.0023	.00006	.0113	.00290	.00588	.00051
%RSD	1.7840	2.4591	16.025	1.6972	.50510	.34805	.21838	.15490	.40917	27.186	336.65	4.3477
#1	.10245	2.8473	.00893	.20298	.01025	.01927	1.0427	.04100	2.7593	.01273	.00241	.01199
#2	.10507	2.9480	.01121	.19816	.01032	.01936	1.0459	.04109	2.7753	.00863	-.00591	.01128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00818**	**.47074**	**.10279**	**.00985**	**.01459**	**.00979**	**.01583**	**.06442**	**.00977**	**.02239**	**.01735**
Stddev	.00171	.00566	.00209	.00003	.00010	.00003	.00048	.00864	.00021	.00003	.00128
%RSD	20.957	1.2029	2.0376	.34226	.66964	.26373	3.0238	13.410	2.1981	.11360	7.3840
#1	.00697	.47475	.10131	.00988	.01466	.00977	.01549	.05831	.00992	.02238	.01644
#2	.00939	.46674	.10428	.00983	.01452	.00981	.01616	.07052	.00962	.02241	.01825
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01500										
Range	-30.000%										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4331.3**	**61506.**	**4103.8**
Stddev	3.3	44.	3.4
%RSD	.07589	.07232	.08204
#1	4333.6	61475.	4101.4
#2	4329.0	61538.	4106.2

Sample Name: 280-27123-A-2-C@5 Acquired: 4/3/2012 12:20:52 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00257**	W **3.4925**	**.03019**	**.00310**	**.27701**	**.00017**	**.01232**	**2.4830**	**.01253**	**.01409**
Stddev	.00104	.0155	.00144	.00006	.00002	.00004	.00489	.0057	.00001	.00004
%RSD	40.587	.44475	4.7573	1.8531	.00756	21.189	39.692	.22894	.10695	.30425
#1	.00183	3.4816	.02917	.00314	.27699	.00020	.01577	2.4790	.01252	.01406
#2	.00331	3.5035	.03121	.00306	.27702	.00014	.00886	2.4871	.01254	.01412
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03838**	**.22921**	**256.45**	**.31490**	**.00353**	**.43008**	**1.4020**	**.00165**	**.09236**	**.05543**
Stddev	.00008	.00083	.66	.03390	.00152	.00160	.0012	.00021	.00348	.00025
%RSD	.21182	.36204	.25718	10.764	43.119	.37302	.08822	12.924	3.7641	.45188
#1	.03832	.22980	255.99	.29093	.00245	.42895	1.4028	.00150	.08991	.05525
#2	.03844	.22863	256.92	.33886	.00461	.43121	1.4011	.00180	.09482	.05561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99077**	**3.0145**	**1.7235**	**.03425**	W **-.00916**	**.98589**	**1.4804**	**.01058**	**.00874**	**.06911**
Stddev	.00455	.0010	.0010	.00103	.00157	.06899	.0009	.00002	.00177	.00125
%RSD	.45964	.03148	.05599	3.0203	17.177	6.9982	.05965	.22274	20.238	1.8156
#1	.98755	3.0152	1.7242	.03498	-.01027	1.0347	1.4810	.01060	.00999	.06822
#2	.99399	3.0138	1.7228	.03352	-.00805	.93710	1.4797	.01057	.00749	.06999
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.03079**	**.01779**	**3.9321**	**.00379**
Stddev	.00027	.02892	.00043	.0077	.00182
%RSD	22.773	93.930	2.3949	.19498	47.947
#1	-.00099	.05124	.01749	3.9375	.00251
#2	-.00137	.01034	.01809	3.9266	.00508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4342.2**	**61406.**	**4143.7**
Stddev	5.5	108.	9.6
%RSD	.12777	.17662	.23053
#1	4346.1	61483.	4150.5
#2	4338.3	61330.	4137.0

Sample Name: 280-27123-A-3-C@5 Acquired: 4/3/2012 12:23:16 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	W **3.3408**	**.03372**	**.00130**	**.06262**	**.00014**	**.00629**	**.98123**	**.00532**	**.04590**
Stddev	.00033	.0087	.00281	.00032	.00053	.00005	.00400	.00282	.00018	.00025
%RSD	17.949	.26043	8.3234	24.985	.85331	39.486	63.615	.28714	3.3407	.54842
#1	.00208	3.3346	.03570	.00107	.06224	.00010	.00913	.97924	.00519	.04607
#2	.00161	3.3469	.03173	.00152	.06300	.00018	.00346	.98323	.00544	.04572
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08596**	**.40074**	**383.62**	**.25633**	**.00105**	**.37285**	**2.0598**	**.01117**	**.09333**	**.15435**
Stddev	.00005	.00063	2.12	.01512	.00012	.00168	.0008	.00037	.00547	.00023
%RSD	.06142	.15834	.55296	5.8999	11.039	.45097	.04125	3.3332	5.8601	.14846
#1	.08600	.40029	382.12	.24564	.00113	.37404	2.0592	.01091	.09720	.15451
#2	.08592	.40119	385.12	.26703	.00097	.37166	2.0604	.01143	.08946	.15419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78354**	**.48633**	**2.0245**	**.01462**	F **-.01744**	**.72118**	**.94375**	**.00455**	**.01319**	**.06438**
Stddev	.00165	.00012	.0082	.00138	.00025	.03412	.00421	.00021	.00144	.00118
%RSD	.21013	.02496	.40502	9.4454	1.4319	4.7305	.44646	4.6102	10.892	1.8366
#1	.78238	.48642	2.0187	.01560	-.01727	.74531	.94077	.00470	.01218	.06355
#2	.78471	.48624	2.0303	.01365	-.01762	.69706	.94673	.00440	.01421	.06522
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00242**	**.09358**	**.01519**	**3.8132**	**-.00045**
Stddev	.00086	.00844	.00130	.0011	.00062
%RSD	35.612	9.0168	8.5482	.02859	135.64
#1	-.00303	.09955	.01611	3.8139	-.00089
#2	-.00181	.08762	.01428	3.8124	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4335.1**	**61163.**	**4157.5**
Stddev	.6	25.	14.1
%RSD	.01319	.04162	.33983
#1	4335.5	61145.	4167.5
#2	4334.7	61181.	4147.5

Sample Name: 280-27123-A-4-C@5 Acquired: 4/3/2012 12:25:37 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**4.0793**	**.01175**	**.00251**	**.03050**	**.00021**	**-.00104**	**.28397**	**.00084**	**.00761**
Stddev	.00001	.0209	.00236	.00004	.00026	.00014	.00129	.00186	.00016	.00005
%RSD	1.2641	.51328	20.134	1.5723	.85734	69.021	123.83	.65640	19.067	.68857
#1	.00099	4.0941	.01342	.00254	.03068	.00011	-.00013	.28529	.00095	.00757
#2	.00101	4.0645	.01007	.00248	.03031	.00031	-.00195	.28265	.00072	.00764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02926**	**.18665**	**92.090**	**.42288**	**.00318**	**.41677**	**.31472**	**.00223**	**.08431**	**.03988**
Stddev	.00005	.00002	.238	.05382	.00130	.00189	.00019	.00015	.01955	.00000
%RSD	.15442	.01137	.25839	12.728	40.760	.45340	.06089	6.6246	23.188	.00298
#1	.02929	.18663	91.922	.46094	.00227	.41543	.31486	.00212	.07049	.03988
#2	.02923	.18666	92.259	.38482	.00410	.41810	.31459	.00233	.09814	.03987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56677**	**.26898**	**1.0872**	**.00377**	**-.00220**	**.85945**	**.17375**	**.00219**	**.00304**	**.06578**
Stddev	.00336	.00190	.0073	.00143	.00652	.04180	.00149	.00010	.00072	.00397
%RSD	.59265	.70636	.67149	37.837	296.80	4.8637	.85707	4.7765	23.721	6.0371
#1	.56440	.26764	1.0820	.00276	-.00681	.82989	.17270	.00211	.00355	.06859
#2	.56915	.27032	1.0924	.00477	.00241	.88901	.17481	.00226	.00253	.06297
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.02338**	**.01339**	**.17152**	**.00201**
Stddev	.00196	.01184	.00024	.00006	.00152
%RSD	531.32	50.622	1.8050	.03228	75.342
#1	-.00176	.01501	.01322	.17148	.00309
#2	.00102	.03175	.01356	.17156	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4454.2**	**63055.**	**4237.4**
Stddev	8.2	78.	7.9
%RSD	.18517	.12439	.18744
#1	4448.4	63110.	4231.8
#2	4460.0	62999.	4243.0

Sample Name: 280-27123-A-5-C@5 Acquired: 4/3/2012 12:28:04 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**4.2618**	**.01125**	**.00267**	**.48861**	**.00014**	**.00721**	**.38320**	**.00110**	**.00591**
Stddev	.00045	.0226	.00140	.00045	.00078	.00012	.00501	.00018	.00017	.00011
%RSD	77.796	.53029	12.398	16.752	.15889	87.840	69.538	.04750	15.482	1.9159
#1	.00089	4.2458	.01224	.00299	.48806	.00005	.00366	.38307	.00123	.00599
#2	.00026	4.2778	.01027	.00236	.48916	.00022	.01075	.38333	.00098	.00583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03995**	**.09792**	**99.893**	**.40608**	**.00313**	**.32450**	**.41663**	**.00352**	**.08973**	**.02900**
Stddev	.00003	.00023	.160	.03750	.00324	.00504	.00011	.00015	.00518	.00011
%RSD	.06791	.23337	.16005	9.2337	103.30	1.5542	.02702	4.2848	5.7751	.38888
#1	.03993	.09808	99.780	.43260	.00542	.32807	.41671	.00341	.08607	.02908
#2	.03997	.09776	100.01	.37957	.00084	.32094	.41655	.00363	.09340	.02892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62637**	**5.6047**	**1.5273**	**.00646**	W **-.00644**	**1.0537**	**.07611**	**.01013**	**.00210**	**.06392**
Stddev	.00173	.0016	.0019	.00078	.00176	.0187	.00062	.00000	.00037	.00021
%RSD	.27655	.02777	.12617	12.025	27.347	1.7792	.81103	.00140	17.666	.33447
#1	.62760	5.6058	1.5286	.00701	-.00768	1.0670	.07655	.01013	.00236	.06376
#2	.62515	5.6036	1.5259	.00591	-.00519	1.0405	.07567	.01013	.00184	.06407
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.01135**	**.01101**	**.17605**	**.00367**
Stddev	.00028	.00172	.00021	.00104	.00073
%RSD	78.726	15.134	1.8861	.59045	19.961
#1	-.00056	.01014	.01115	.17678	.00418
#2	-.00016	.01257	.01086	.17531	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4452.8**	**62963.**	**4247.4**
Stddev	10.7	174.	8.9
%RSD	.24043	.27587	.20943
#1	4445.2	62840.	4253.6
#2	4460.4	63086.	4241.1

Sample Name: 280-27123-A-6-C Acquired: 4/3/2012 12:30:31 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**40.152**	**.00448**	**.01589**	**.18363**	**.00095**	**-.00173**	**1.2701**	**.00257**	**.01073**
Stddev	.00029	.091	.00042	.00004	.00091	.00005	.00156	.0092	.00016	.00016
%RSD	1003.3	.22547	9.4721	.22034	.49352	5.3024	90.573	.72395	6.2851	1.5334
#1	-.00023	40.088	.00418	.01591	.18299	.00091	-.00062	1.2636	.00245	.01062
#2	.00017	40.216	.00478	.01586	.18427	.00098	-.00283	1.2766	.00268	.01085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04387**	**.03867**	**59.715**	**5.8274**	**.06029**	**7.7165**	**.36300**	**.00055**	**.36529**	**.03677**
Stddev	.00021	.00011	.014	.0708	.00083	.0054	.00017	.00031	.00253	.00011
%RSD	.48825	.29103	.02421	1.2157	1.3799	.07007	.04738	55.668	.69280	.29458
#1	.04403	.03875	59.726	5.7773	.05970	7.7127	.36288	.00077	.36708	.03669
#2	.04372	.03859	59.705	5.8775	.06088	7.7203	.36312	.00033	.36350	.03685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3250**	**1.1531**	**1.0073**	**.00117**	W **-.00551**	**6.6850**	**.02572**	**.01066**	**.01032**	**.53383**
Stddev	.0040	.0014	.0017	.00012	.00115	.1286	.00022	.00006	.00021	.00064
%RSD	.30509	.12199	.17153	10.320	20.837	1.9234	.86937	.60350	2.0239	.11982
#1	1.3278	1.1521	1.0061	.00125	-.00632	6.7759	.02588	.01061	.01047	.53338
#2	1.3221	1.1541	1.0085	.00108	-.00469	6.5941	.02556	.01070	.01017	.53428
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**-.02039**	**.04547**	**.20008**	**.00873**
Stddev	.00075	.00167	.00036	.00041	.00260
%RSD	151.50	8.1710	.80075	.20386	29.838
#1	.00004	-.02157	.04573	.19979	.01057
#2	-.00103	-.01921	.04521	.20036	.00689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4487.1**	**62671.**	**4296.6**
Stddev	6.1	65.	6.0
%RSD	.13533	.10384	.13928
#1	4491.4	62717.	4292.4
#2	4482.8	62625.	4300.8

Sample Name: 280-27123-A-7-C Acquired: 4/3/2012 12:32:56 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**23.464**	**.01184**	**.01700**	**.38501**	**.00051**	**-.00376**	**4.7019**	**.02073**	**.00680**
Stddev	.00012	.026	.00132	.00018	.00081	.00011	.00267	.0045	.00013	.00037
%RSD	7.4602	.11262	11.114	1.0725	.21148	20.664	70.866	.09576	.62577	5.3759
#1	.00156	23.445	.01277	.01713	.38558	.00043	-.00188	4.7051	.02064	.00706
#2	.00173	23.482	.01091	.01687	.38443	.00058	-.00565	4.6987	.02082	.00655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05401**	**.19048**	**105.19**	**1.7743**	**.00526**	**1.5823**	**2.9031**	**.00254**	**.35528**	**.04139**
Stddev	.00003	.00014	.08	.0209	.00058	.0028	.0014	.00009	.00113	.00031
%RSD	.05700	.07315	.07631	1.1792	10.986	.17837	.04819	3.5356	.31866	.75525
#1	.05403	.19038	105.14	1.7595	.00566	1.5803	2.9021	.00260	.35608	.04161
#2	.05398	.19058	105.25	1.7891	.00485	1.5843	2.9041	.00248	.35448	.04116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7151**	**1.0202**	**3.4884**	**.00482**	W **-.00643**	**6.8630**	**.30630**	**.03820**	**.00510**	**.46585**
Stddev	.0036	.0021	.0142	.00038	.00323	.0273	.00153	.00010	.00031	.01190
%RSD	.13241	.20338	.40615	7.8544	50.224	.39751	.49874	.27002	6.1183	2.5547
#1	2.7177	1.0216	3.4985	.00455	-.00414	6.8823	.30522	.03827	.00532	.45743
#2	2.7126	1.0187	3.4784	.00509	-.00871	6.8437	.30738	.03813	.00488	.47426
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00313**	**-.00711**	**.04043**	**5.2058**	**.00693**
Stddev	.00074	.00280	.00030	.0025	.00161
%RSD	23.609	39.362	.73641	.04849	23.257
#1	-.00261	-.00513	.04022	5.2040	.00806
#2	-.00366	-.00910	.04064	5.2076	.00579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4488.9**	**63422.**	**4281.2**
Stddev	9.4	66.	4.3
%RSD	.20967	.10478	.10086
#1	4482.3	63469.	4284.3
#2	4495.6	63375.	4278.2

Sample Name: 280-27123-A-8-C Acquired: 4/3/2012 12:35:17 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00010**	**49.556**	k **-.00017**	**.01408**	**.11048**	k **.00078**	k **-.00481**	**1.8884**	k **.00270**	k **.01466**
Stddev	.00006	.023	.00372	.00029	.00074	.00005	.00069	.0050	.00006	.00013
%RSD	57.234	.04572	2210.0	2.0251	.66983	6.8228	14.315	.26338	2.3093	.86459
#1	k -.00015	49.540	k -.00280	.01428	.11101	k .00074	k -.00432	1.8849	k .00265	k .01457
#2	k -.00006	49.572	k .00247	.01388	.10996	k .00082	k -.00530	1.8920	k .00274	k .01475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04287**	k **.03106**	k **43.814**	**4.9717**	**.08985**	**11.365**	**.78686**	**.00052**	**.33594**	**.04255**
Stddev	.00001	.00023	.017	.0326	.00201	.018	.00124	.00015	.02050	.00032
%RSD	.02307	.74339	.03867	.65515	2.2317	.15827	.15761	28.215	6.1018	.75216
#1	.04286	k .03122	k 43.826	4.9487	.08843	11.353	.78599	.00063	.35043	.04232
#2	.04287	k .03090	k 43.802	4.9948	.09127	11.378	.78774	.00042	.32144	.04278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0029**	k **.08554**	**.51423**	k **-.00015**	k **-.00457**	**3.1319**	k **.01124**	**.01099**	k **.04146**	k **.56555**
Stddev	.0027	.00007	.00010	.00111	.00164	.0616	.00021	.00011	.00114	.00071
%RSD	.26927	.07865	.02006	737.73	35.928	1.9676	1.8907	1.0110	2.7413	.12632
#1	1.0010	k .08550	.51430	k .00063	k -.00574	3.1754	k .01139	.01107	k .04065	k .56605
#2	1.0048	k .08559	.51415	k -.00094	k -.00341	3.0883	k .01109	.01091	k .04226	k .56504
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00081**	k **-.01321**	k **.06366**	**.92419**	k **.00729**
Stddev	.00051	.00658	.00064	.00249	.00020
%RSD	62.104	49.810	1.0058	.26956	2.7791
#1	k -.00117	k -.01786	k .06321	.92243	k .00715
#2	k -.00046	k -.00855	k .06411	.92595	k .00743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4502.8**	**62220.**	**4286.7**
Stddev	2.6	232.	8.0
%RSD	.05675	.37365	.18647
#1	4504.6	62384.	4292.4
#2	4501.0	62055.	4281.1

Sample Name: 280-27123-A-9-C@5 Acquired: 4/3/2012 12:37:42 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**4.7743**	**.00339**	**.00419**	**.25698**	**.00017**	**.00149**	**.53502**	**.00141**	**.00751**
Stddev	.00041	.0245	.00131	.00009	.00074	.00001	.00231	.00342	.00007	.00008
%RSD	127.70	.51255	38.697	2.1512	.28734	5.7117	154.70	.63884	4.6111	1.1019
#1	.00003	4.7916	.00246	.00425	.25750	.00016	-.00014	.53743	.00136	.00756
#2	.00061	4.7570	.00431	.00413	.25646	.00018	.00313	.53260	.00146	.00745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02766**	**.32292**	**96.322**	**.36473**	**.00271**	**.26787**	**.35520**	**.00264**	**.11308**	**.03119**
Stddev	.00001	.00031	.211	.02536	.00022	.00158	.00028	.00024	.00132	.00021
%RSD	.03858	.09537	.21868	6.9539	8.2761	.58889	.07967	8.9650	1.1693	.66764
#1	.02766	.32270	96.471	.38267	.00255	.26675	.35540	.00281	.11401	.03104
#2	.02767	.32313	96.174	.34680	.00287	.26898	.35500	.00247	.11214	.03134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56094**	**1.0007**	**1.1128**	**.00283**	**-.00309**	**1.0648**	**.08114**	**.00544**	**.00292**	**.07069**
Stddev	.00108	.0060	.0035	.00247	.00063	.0558	.00084	.00000	.00010	.00764
%RSD	.19178	.59669	.31195	87.129	20.272	5.2415	1.0367	.03436	3.3388	10.815
#1	.56018	.99648	1.1153	.00458	-.00265	1.1042	.08174	.00544	.00285	.07609
#2	.56170	1.0049	1.1104	.00109	-.00353	1.0253	.08055	.00544	.00299	.06528
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00351**	**.00885**	**.49086**	**.00272**
Stddev	.00228	.00038	.00006	.00061	.00025
%RSD	510.00	10.797	.67733	.12484	9.2429
#1	-.00116	.00325	.00889	.49043	.00290
#2	.00206	.00378	.00881	.49130	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4402.8**	**62194.**	**4169.6**
Stddev	12.2	2.	24.7
%RSD	.27629	.00331	.59157
#1	4411.4	62193.	4152.2
#2	4394.2	62196.	4187.1

Sample Name: 280-27123-A-10-C Acquired: 4/3/2012 12:40:08 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: DoD v4.1 Custom ID2: Custom ID3:
Comment: 113656 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**40.228**	**-.00119**	**.01527**	**.14429**	**.00082**	**-.00397**	**1.1491**	**.00186**	**.00513**
Stddev	.00087	.110	.00052	.00017	.00044	.00004	.00472	.0049	.00005	.00004
%RSD	200.77	.27279	43.984	1.1276	.30768	4.5565	118.83	.42781	2.6015	.73580
#1	-.00018	40.150	-.00082	.01539	.14397	.00079	-.00063	1.1456	.00182	.00510
#2	.00105	40.306	-.00156	.01515	.14460	.00084	-.00731	1.1526	.00189	.00515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03920**	**.04979**	**15.554**	**5.4594**	**.04060**	**4.4148**	**.11420**	**.00019**	**.35315**	**.02326**
Stddev	.00017	.00061	.032	.0066	.00145	.0008	.00015	.00001	.00773	.00004
%RSD	.42342	1.2152	.20553	.12041	3.5826	.01721	.12939	7.1886	2.1892	.17629
#1	.03932	.05022	15.531	5.4547	.04162	4.4154	.11409	.00018	.35861	.02329
#2	.03908	.04937	15.576	5.4640	.03957	4.4143	.11430	.00020	.34768	.02323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0762**	**.11250**	**1.4581**	**.00096**	**-.00389**	**3.3357**	**.00995**	**.00945**	**.01027**	**.51134**
Stddev	.0004	.00116	.0042	.00146	.00325	.0146	.00023	.00006	.00147	.00417
%RSD	.03560	1.0308	.28728	152.25	83.364	.43896	2.3085	.66039	14.313	.81623
#1	1.0759	.11168	1.4610	.00199	-.00619	3.3460	.00978	.00941	.00923	.50839
#2	1.0764	.11332	1.4551	-.00007	-.00160	3.3253	.01011	.00950	.01131	.51429
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**-.01975**	**.04028**	**.40591**	**.00683**
Stddev	.00086	.01648	.00050	.00046	.00014
%RSD	86.989	83.412	1.2479	.11415	2.0609
#1	.00038	-.03140	.03992	.40624	.00673
#2	.00159	-.00810	.04063	.40558	.00693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4489.2**	**62337.**	**4217.4**
Stddev	.9	44.	18.6
%RSD	.01977	.07133	.44197
#1	4489.8	62368.	4204.2
#2	4488.6	62305.	4230.6

Sample Name: CCVH-1338467 Acquired: 4/3/2012 12:42:36 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00397**	**49.228**	**-.00443**	**.00208**	**.00050**	**.00003**	**1.0203**	**.00068**	**-.00201**	**.00180**	**.00025**	**.00239**	**48.965**
Stddev	.00080	.054	.00022	.00016	.00003	.00005	.0015	.00377	.00007	.00000	.00010	.00013	.241
%RSD	20.180	.10924	4.8579	7.8622	5.9252	152.80	.14443	550.33	3.6969	.19456	38.315	5.6003	.49239
#1	.00341	49.266	-.00427	.00220	.00052	.00000	1.0214	-.00198	-.00195	.00179	.00032	.00230	49.135
#2	.00454	49.190	-.00458	.00197	.00048	.00007	1.0193	.00335	-.00206	.00180	.00018	.00249	48.794
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05109**	**.00011**	**-.00721**	**-.00041**	**-.00099**	**246.04**	**.00174**	**.00571**	**.00007**	**4.8945**	**-.00285**	**-.00623**	**.02879**
Stddev	.01360	.00104	.00365	.00003	.00007	.83	.00010	.00259	.00075	.0121	.00149	.00342	.01099
%RSD	26.619	969.52	50.640	7.3447	7.1831	.33900	5.7603	45.395	1028.5	.24725	52.243	54.976	38.183
#1	.04147	.00084	-.00463	-.00043	-.00094	246.63	.00181	.00388	-.00046	4.8860	-.00390	-.00865	.02101
#2	.06071	-.00063	-.00979	-.00038	-.00104	245.45	.00167	.00755	.00060	4.9031	-.00180	-.00381	.03656
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00275**	**.00030**	**5.0376**	**.00152**	**.00236**	**9.9769**	**.00874**	**.00256**	**-.02593**
Stddev	.00064	.00007	.0152	.00036	.00077	.0141	.00068	.00013	.00100
%RSD	23.208	24.556	.30135	23.552	32.705	.14138	7.7851	5.0322	3.8755
#1	.00320	.00036	5.0483	.00177	.00291	9.9869	.00826	.00247	-.02664
#2	.00229	.00025	5.0268	.00127	.00181	9.9670	.00922	.00265	-.02522
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4277.5**	**59285.**	**4087.2**
Stddev	1.1	197.	3.9
%RSD	.02557	.33179	.09429
#1	4278.3	59424.	4090.0
#2	4276.8	59146.	4084.5

Sample Name: CCV-1338469 Acquired: 4/3/2012 12:45:03 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51253**	**.51373**	**.98209**	**.49993**	**.49572**	**.47781**	**.00205**	**4.9454**	**.50026**	**.50440**	**.50283**	**.48933**	**2.4144**
Stddev	.00176	.00848	.00181	.00038	.00179	.00268	.00406	.0113	.00119	.00084	.00098	.00183	.0178
%RSD	.34347	1.6516	.18469	.07566	.36035	.56055	198.33	.22799	.23789	.16695	.19420	.37313	.73852
#1	.51128	.50773	.98337	.49966	.49698	.47971	.00492	4.9534	.50110	.50499	.50353	.48803	2.4270
#2	.51377	.51973	.98081	.50020	.49446	.47592	-.00082	4.9374	.49942	.50380	.50214	.49062	2.4018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.005**	**.96538**	**19.730**	**.49008**	**.49349**	**4.9160**	**.49933**	**.99319**	**1.0098**	**-.00249**	**.98171**	**.98939**	**4.7848**
Stddev	.283	.00069	.034	.00056	.00112	.0249	.00029	.00267	.0000	.00060	.00298	.00153	.0389
%RSD	.59016	.07150	.17036	.11445	.22644	.50590	.05848	.26908	.00154	24.176	.30362	.15441	.81272
#1	48.206	.96490	19.706	.48969	.49428	4.9336	.49954	.99130	1.0098	-.00292	.97960	.98831	4.8123
#2	47.805	.96587	19.754	.49048	.49270	4.8984	.49913	.99508	1.0098	-.00207	.98382	.99047	4.7573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0259**	**.48141**	**.00109**	**.50214**	**1.0233**	**.01790**	**.50619**	**.50102**	**.48661**
Stddev	.0014	.00146	.00164	.00034	.0028	.00681	.00000	.00008	.00302
%RSD	.13584	.30342	150.21	.06847	.27746	38.071	.00043	.01547	.62085
#1	1.0268	.48244	-.00007	.50190	1.0253	.02272	.50620	.50096	.48875
#2	1.0249	.48037	.00225	.50238	1.0213	.01308	.50619	.50107	.48448
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4340.6**	**60448.**	**4092.0**
Stddev	2.2	231.	12.1
%RSD	.05158	.38201	.29591
#1	4339.0	60611.	4083.5
#2	4342.1	60285.	4100.6

Sample Name: CCB Acquired: 4/3/2012 12:47:23 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00144**	W **-.00535**	W **.00171**	**.00009**	**.00002**	**-.00290**	**.00189**	**.00003**	**-.00026**
Stddev	.00031	.00039	.00109	.00032	.00007	.00003	.00259	.00042	.00016	.00003
%RSD	335.26	27.332	20.327	18.604	74.555	168.72	89.178	22.348	498.32	9.9458
#1	-.00013	.00116	-.00612	.00193	.00014	.00003	-.00473	.00160	-.00008	-.00028
#2	.00031	.00172	-.00458	.00148	.00004	.00000	-.00107	.00219	.00015	-.00024
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156						
Low Limit			-.00440	-.00156						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**-.00111**	**.00458**	**.02289**	**.00025**	**.00133**	**.00005**	**.00089**	**.03225**	**.00038**
Stddev	.00010	.00011	.00183	.00150	.00120	.00177	.00002	.00017	.00728	.00007
%RSD	20.139	10.354	39.870	6.5486	484.56	133.01	30.803	19.193	22.579	19.857
#1	.00060	-.00103	.00329	.02395	.00109	.00258	.00007	.00077	.03740	.00032
#2	.00045	-.00119	.00587	.02183	-.00060	.00008	.00004	.00101	.02710	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00024**	**-.00247**	**.00286**	**-.00471**	**.01505**	**.00066**	**.00007**	**.00087**	**.00056**
Stddev	.00231	.00029	.00271	.00169	.00297	.00807	.00000	.00006	.00124	.00003
%RSD	210.30	123.62	109.43	59.006	63.091	53.640	.36400	77.212	143.65	5.2428
#1	-.00053	.00044	-.00056	.00167	-.00681	.02076	.00066	.00003	.00175	.00054
#2	.00273	.00003	-.00439	.00405	-.00261	.00934	.00066	.00011	-.00001	.00058
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**-.01351**	**-.00036**	**.00251**	**.00185**
Stddev	.00056	.01880	.00021	.00034	.00140
%RSD	47.925	139.18	57.841	13.681	75.569
#1	.00155	-.00021	-.00051	.00275	.00284
#2	.00077	-.02681	-.00021	.00226	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4349.7**	**62158.**	**4139.3**
Stddev	3.6	134.	.5
%RSD	.08335	.21558	.01185
#1	4347.1	62252.	4139.6
#2	4352.2	62063.	4138.9

Sample Name: CCVL1342846 Acquired: 4/3/2012 12:49:55 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.10490**	W **.01129**	**.09584**	**.01063**	**.00101**	**.11232**	**.20279**	**.00491**	**.01033**	**.01103**
Stddev	.00028	.00071	.00450	.00036	.00034	.00001	.00025	.00150	.00005	.00010	.00029
%RSD	2.7617	.67570	39.813	.37895	3.2112	1.2547	.22114	.74189	1.0036	.99084	2.5979
#1	.01051	.10440	.01447	.09558	.01087	.00100	.11214	.20173	.00494	.01040	.01083
#2	.01010	.10540	.00811	.09609	.01039	.00102	.11250	.20386	.00487	.01026	.01124
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			-20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01431**	**.10315**	**2.9150**	**.00917**	**.20068**	**.01024**	**.01955**	**1.0389**	**.04110**	**2.7778**	**.01041**
Stddev	.00033	.00134	.0038	.00228	.00173	.00002	.00008	.0099	.00004	.0016	.00104
%RSD	2.3354	1.2981	.13173	24.831	.86063	.23982	.39417	.95278	.10406	.05832	9.9697
#1	.01455	.10410	2.9123	.01078	.20190	.01026	.01960	1.0459	.04107	2.7789	.00967
#2	.01408	.10220	2.9177	.00756	.19946	.01023	.01950	1.0319	.04113	2.7766	.01114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.00958**	**.01323**	**.48015**	**.10287**	**.00990**	**.01592**	**.00982**	**.01536**	**.05829**	**.00960**
Stddev	.00107	.00135	.00231	.01443	.00009	.00016	.00038	.00024	.00042	.00052	.00009
%RSD	76.750	14.133	17.446	3.0056	.08644	1.6653	2.3909	2.4925	2.7654	.89427	.89188
#1	-.00215	.00862	.01160	.46995	.10294	.01001	.01619	.01000	.01566	.05866	.00966
#2	-.00064	.01054	.01487	.49036	.10281	.00978	.01566	.00965	.01506	.05793	.00954
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02282**	**.01788**
Stddev	.00005	.00147
%RSD	.23487	8.2380
#1	.02286	.01684
#2	.02279	.01892
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4354.5**	**61899.**	**4115.1**
Stddev	12.1	96.	.3
%RSD	.27773	.15540	.00687
#1	4363.0	61967.	4114.9
#2	4345.9	61831.	4115.3

Sample Name: MB 280-113762/1-A Acquired: 4/3/2012 12:52:24 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00231**	**-.00235**	**.00159**	**.00031**	**-.00005**	**-.00300**	**.02690**	**-.00001**	**-.00044**
Stddev	.00029	.00063	.00573	.00047	.00021	.00003	.00435	.00276	.00014	.00005
%RSD	33.017	27.231	243.62	29.717	69.055	66.340	145.06	10.244	1024.8	11.507
#1	.00068	.00186	.00170	.00125	.00016	-.00003	-.00607	.02495	-.00011	-.00047
#2	.00110	.00275	-.00640	.00192	.00045	-.00007	.00008	.02885	.00008	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00024**	**.00833**	**.05767**	**.00009**	**.00292**	**.00008**	**-.00003**	**.19160**	**.00001**
Stddev	.00004	.00008	.00020	.03112	.00055	.00505	.00005	.00013	.00094	.00006
%RSD	970.89	32.568	2.4476	53.956	586.77	172.88	59.430	453.81	.49170	521.06
#1	-.00003	-.00018	.00847	.03567	-.00029	.00650	.00012	-.00012	.19093	.00006
#2	.00003	-.00029	.00818	.07967	.00048	-.00065	.00005	.00006	.19226	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00739**	**.00220**	**.02147**	**.00133**	**-.00350**	**.01687**	**.00815**	**.00004**	**-.00018**	**.00000**
Stddev	.00152	.00014	.00006	.00087	.00097	.00717	.00010	.00011	.00126	.0003
%RSD	20.570	6.2175	.30025	65.698	27.772	42.508	1.2245	278.12	705.81	20292.
#1	.00631	.00230	.02143	.00194	-.00281	.02194	.00822	-.00004	.00071	-.00023
#2	.00846	.00211	.02152	.00071	-.00418	.01180	.00808	.00012	-.00107	.00023
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500									
Low Limit	-.00500									

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.02005**	**-.00086**	**.00339**	**.00321**
Stddev	.00027	.00222	.00047	.00006	.00028
%RSD	53.601	11.087	53.936	1.6806	8.5692
#1	.00069	-.02162	-.00119	.00343	.00302
#2	.00031	-.01848	-.00053	.00335	.00341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4447.2**	**63667.**	**4211.6**
Stddev	3.5	181.	2.0
%RSD	.07917	.28354	.04847
#1	4444.7	63795.	4210.1
#2	4449.7	63540.	4213.0

Sample Name: LCS 280-113762/2-A Acquired: 4/3/2012 12:54:55 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05275**	**1.9450**	**.98151**	**.96696**	**1.9934**	**.04827**	**2.1063**	**48.915**	**.10216**	**.49472**
Stddev	.00086	.0226	.00501	.00444	.0006	.00020	.0058	.024	.00033	.00133
%RSD	1.6259	1.1630	.51059	.45877	.02871	.42408	.27357	.04938	.32513	.26969
#1	.05336	1.9290	.97797	.96382	1.9929	.04842	2.1022	48.932	.10192	.49378
#2	.05214	1.9610	.98506	.97009	1.9938	.04813	2.1104	48.897	.10239	.49567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20115**	**.24868**	**.97224**	**48.364**	**.97188**	**47.771**	**.49284**	**1.0006**	**50.527**	**.49411**
Stddev	.00034	.00020	.00003	.047	.00052	.065	.00099	.0035	.425	.00236
%RSD	.17143	.07947	.00310	.09796	.05307	.13692	.19987	.35046	.84058	.47717
#1	.20090	.24854	.97226	48.398	.97225	47.817	.49353	.99814	50.227	.49244
#2	.20139	.24882	.97222	48.331	.97152	47.724	.49214	1.0031	50.828	.49577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.047**	**.49634**	**.01958**	**.48839**	**1.9193**	**1.8252**	**2.0336**	**.97500**	**1.0077**	**1.0165**
Stddev	.042	.00114	.00283	.00346	.0052	.0063	.0087	.00024	.0054	.0015
%RSD	.41880	.23030	14.436	.70928	.27227	.34564	.42906	.02484	.53327	.15146
#1	10.017	.49715	.02158	.48594	1.9156	1.8297	2.0274	.97517	1.0115	1.0176
#2	10.077	.49553	.01758	.49084	1.9230	1.8207	2.0397	.97483	1.0039	1.0155
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9635**	**2.0840**	**.51248**	**.48656**	**.48408**
Stddev	.0078	.0069	.00163	.00063	.00293
%RSD	.39973	.32998	.31891	.13045	.60552
#1	1.9580	2.0791	.51364	.48701	.48201
#2	1.9691	2.0888	.51133	.48611	.48615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4251.1**	**59879.**	**4153.8**
Stddev	20.8	21.	8.9
%RSD	.48845	.03560	.21371
#1	4265.8	59864.	4160.1
#2	4236.5	59894.	4147.5

Sample Name: 280-27148-A-1-A Acquired: 4/3/2012 12:57:12 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**86.646**	**.02181**	**.01514**	**.70642**	**.00104**	**-.00525**	**71.004**	**.00148**	**.08735**
Stddev	.00043	.014	.00016	.00037	.00125	.00011	.00110	.031	.00008	.00010
%RSD	212.31	.01651	.72613	2.4585	.17729	10.421	21.003	.04434	5.6849	.11015
#1	.00050	86.656	.02192	.01540	.70554	.00112	-.00447	71.026	.00142	.08728
#2	-.00010	86.636	.02170	.01488	.70731	.00097	-.00603	70.981	.00154	.08742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10968**	**.15561**	**222.00**	**14.272**	**.07608**	**48.215**	**3.3118**	**.00281**	**3.9592**	**.12971**
Stddev	.00017	.00032	.04	.044	.00004	.000	.0039	.00016	.0149	.00036
%RSD	.15680	.20358	.01701	.30699	.05340	.00064	.11865	5.6924	.37526	.27900
#1	.10956	.15539	222.03	14.241	.07611	48.214	3.3146	.00270	3.9697	.12945
#2	.10980	.15584	221.97	14.303	.07605	48.215	3.3090	.00293	3.9487	.12996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3785**	**.05922**	**.71297**	**.00514**	W **-.00641**	**5.0871**	**-.01467**	**.30728**	**.04090**	W **16.113**
Stddev	.0132	.00060	.00311	.00061	.00410	.0228	.00001	.00064	.00174	.064
%RSD	.15791	1.0151	.43559	11.848	63.975	.44832	.03811	.20670	4.2511	.39899
#1	8.3691	.05964	.71077	.00471	-.00930	5.1032	-.01467	.30773	.04213	16.158
#2	8.3878	.05879	.71516	.00557	-.00351	5.0710	-.01467	.30683	.03967	16.067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01245**	**.00869**	**.54670**	**.48176**	**.20618**
Stddev	.00001	.00040	.00085	.00025	.00206
%RSD	.06788	4.6440	.15535	.05210	.99845
#1	.01245	.00841	.54610	.48159	.20473
#2	.01244	.00898	.54730	.48194	.20764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4727.1**	**65883.**	**4616.1**
Stddev	5.0	131.	2.4
%RSD	.10592	.19846	.05157
#1	4730.7	65790.	4617.8
#2	4723.6	65975.	4614.4

Sample Name: sd 280-27148-A-1-A@5 Acquired: 4/3/2012 12:59:39 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**19.197**	**.00496**	**.00529**	**.15663**	**.00025**	**-.00366**	**15.586**	**.00021**	**.02067**
Stddev	.00086	.033	.00437	.00025	.00036	.00012	.00441	.020	.00008	.00023
%RSD	409.97	.17138	88.142	4.7535	.23268	47.441	120.57	.12888	38.540	1.1132
#1	.00082	19.174	.00805	.00546	.15638	.00034	-.00054	15.571	.00015	.02051
#2	-.00040	19.220	.00187	.00511	.15689	.00017	-.00677	15.600	.00027	.02083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02488**	**.03473**	**49.569**	**3.1380**	**.01605**	**10.953**	**.74335**	**.00029**	**.87333**	**.03013**
Stddev	.00005	.00026	.118	.0319	.00015	.010	.00074	.00015	.00890	.00009
%RSD	.20764	.74521	.23785	1.0183	.95776	.08782	.09973	53.311	1.0188	.29118
#1	.02484	.03491	49.652	3.1606	.01616	10.959	.74387	.00018	.86704	.03007
#2	.02492	.03455	49.486	3.1154	.01594	10.946	.74282	.00039	.87962	.03019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8733**	**.01286**	**.15600**	**.00016**	**.00045**	**1.1726**	**-.00432**	**.06802**	**.01117**	**3.5679**
Stddev	.0039	.00009	.00057	.00052	.00040	.0447	.00015	.00035	.00084	.0088
%RSD	.21038	.71590	.36750	336.51	88.561	3.8155	3.5572	.51217	7.4820	.24683
#1	1.8705	.01280	.15559	-.00021	.00017	1.2042	-.00421	.06777	.01176	3.5742
#2	1.8760	.01293	.15641	.00052	.00073	1.1409	-.00443	.06827	.01057	3.5617
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00260**	**-.02827**	**.11950**	**.11120**	**.04547**
Stddev	.00061	.00369	.00051	.00096	.00023
%RSD	23.425	13.067	.42751	.86586	.51265
#1	.00303	-.02566	.11914	.11188	.04530
#2	.00217	-.03088	.11986	.11052	.04563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4497.3**	**63124.**	**4288.4**
Stddev	.7	8.	7.2
%RSD	.01490	.01281	.16859
#1	4496.8	63118.	4283.3
#2	4497.8	63129.	4293.5

Sample Name: 280-27148-A-1-B DU Acquired: 4/3/2012 13:02:06 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**77.659**	**.01891**	**.01264**	**.72927**	**.00056**	**-.00824**	**78.132**	**.00151**	**.09069**
Stddev	.00035	.251	.00142	.00040	.00139	.00000	.00108	.205	.00006	.00032
%RSD	50.149	.32277	7.5093	3.1627	.19005	.30948	13.123	.26180	4.1456	.35162
#1	.00094	77.482	.01991	.01236	.72829	.00057	-.00901	77.987	.00146	.09091
#2	.00045	77.836	.01790	.01293	.73025	.00056	-.00748	78.277	.00155	.09046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13817**	**.15545**	**219.81**	**13.051**	**.07451**	**44.782**	**3.2535**	**.00263**	**3.3059**	**.14343**
Stddev	.00008	.00009	.43	.027	.00003	.019	.0007	.00011	.0090	.00011
%RSD	.05931	.06013	.19373	.20819	.03834	.04296	.02138	4.1075	.27296	.07648
#1	.13811	.15551	219.50	13.032	.07453	44.768	3.2530	.00270	3.2996	.14335
#2	.13823	.15538	220.11	13.071	.07449	44.795	3.2540	.00255	3.3123	.14350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3331**	**.06974**	**.70982**	**.00573**	F **-.01570**	**4.1977**	**-.01845**	**.31384**	**.04293**	W **17.567**
Stddev	.0099	.00067	.00396	.00155	.00260	.0488	.00042	.00064	.00138	.084
%RSD	.11924	.96045	.55734	26.981	16.560	1.1615	2.2575	.20493	3.2165	.47555
#1	8.3260	.07021	.71261	.00464	-.01386	4.1632	-.01816	.31339	.04390	17.626
#2	8.3401	.06926	.70702	.00683	-.01754	4.2322	-.01874	.31430	.04195	17.508
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					50.000					10.000
Low Limit					-.01000					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01147**	**-.04542**	**.56688**	**.46314**	**.21125**
Stddev	.00097	.01437	.00007	.00084	.00289
%RSD	8.4906	31.642	.01225	.18072	1.3673
#1	.01078	-.03526	.56683	.46373	.20921
#2	.01216	-.05558	.56693	.46255	.21329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4719.0**	**65925.**	**4610.5**
Stddev	1.3	23.	12.9
%RSD	.02830	.03416	.28078
#1	4718.0	65909.	4619.6
#2	4719.9	65941.	4601.3

Sample Name: 280-27148-A-1-C MS Acquired: 4/3/2012 13:04:33 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04827**	**105.25**	**.88734**	**.84497**	**2.5156**	**.04345**	**1.8645**	**130.46**	**.09213**	**.51563**
Stddev	.00033	.18	.00077	.00136	.0043	.00007	.0047	.17	.00007	.00044
%RSD	.69105	.17379	.08703	.16153	.17110	.16769	.25006	.13206	.07863	.08622
#1	.04803	105.38	.88789	.84401	2.5186	.04340	1.8678	130.58	.09218	.51531
#2	.04851	105.12	.88680	.84594	2.5125	.04350	1.8612	130.34	.09208	.51594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30721**	**.38338**	**228.26**	**59.891**	**.96087**	**96.629**	**3.9243**	**.85933**	**51.574**	**.57884**
Stddev	.00018	.00083	.40	.057	.00279	.083	.0070	.00186	.101	.00013
%RSD	.05813	.21725	.17500	.09589	.29072	.08595	.17729	.21683	.19675	.02329
#1	.30734	.38397	228.54	59.932	.96284	96.570	3.9292	.86065	51.503	.57875
#2	.30709	.38279	227.98	59.850	.95889	96.688	3.9194	.85801	51.646	.57894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.992**	**.48033**	**.66802**	**.27154**	**1.6828**	**5.3863**	**1.6456**	**1.2459**	**.93887**	W **18.705**
Stddev	.016	.00351	.00549	.00255	.0014	.0267	.0006	.0015	.00098	.135
%RSD	.09326	.73035	.82167	.93872	.08395	.49565	.03858	.12464	.10424	.72364
#1	17.003	.48281	.66414	.26974	1.6818	5.4052	1.6460	1.2470	.93818	18.801
#2	16.980	.47785	.67191	.27334	1.6838	5.3675	1.6451	1.2448	.93956	18.610
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6453**	**1.7991**	**1.0573**	**.88408**	**.65708**
Stddev	.0012	.0222	.0001	.00130	.00325
%RSD	.07053	1.2310	.01254	.14728	.49450
#1	1.6462	1.7834	1.0572	.88500	.65479
#2	1.6445	1.8147	1.0574	.88316	.65938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4630.6**	**64384.**	**4589.1**
Stddev	2.8	74.	4.6
%RSD	.06020	.11553	.09984
#1	4628.7	64331.	4585.9
#2	4632.6	64436.	4592.4

Sample Name: 280-27148-A-2-A Acquired: 4/3/2012 13:07:00 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113762 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**79.014**	**.02557**	**.01337**	**.62586**	**.00071**	W **-.01142**	**64.349**	**.00135**	**.08365**
Stddev	.00033	.078	.00073	.00002	.00003	.00004	.00180	.034	.00005	.00035
%RSD	245.61	.09831	2.8601	.11939	.00552	5.3292	15.787	.05227	3.6887	.42176
#1	.00010	78.959	.02506	.01336	.62584	.00069	-.01014	64.373	.00132	.08390
#2	-.00037	79.069	.02609	.01338	.62588	.00074	-.01269	64.326	.00139	.08340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10243**	**.15241**	**219.86**	**13.076**	**.07097**	**42.951**	**3.1773**	**.00221**	**3.7495**	**.11466**
Stddev	.00006	.00020	.45	.074	.00232	.137	.0081	.00032	.0131	.00019
%RSD	.05374	.13443	.20559	.56793	3.2648	.31864	.25583	14.248	.34964	.16323
#1	.10247	.15227	220.18	13.023	.06933	43.047	3.1831	.00199	3.7588	.11479
#2	.10239	.15256	219.54	13.128	.07261	42.854	3.1716	.00244	3.7402	.11452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.0959**	**.05030**	**.75677**	**.00675**	W **-.00866**	**3.2129**	**-.01506**	**.27157**	**.03882**	W **15.809**
Stddev	.0061	.00243	.00274	.00089	.00831	.0027	.00083	.00025	.00206	.149
%RSD	.06753	4.8310	.36180	13.183	95.984	.08515	5.4915	.09292	5.3053	.93988
#1	9.0916	.05202	.75483	.00738	-.00278	3.2109	-.01564	.27175	.04028	15.914
#2	9.1003	.04859	.75871	.00612	-.01454	3.2148	-.01447	.27139	.03737	15.704
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					5.0000					10.000
Low Limit					-.00500					-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01187**	**-.04323**	**.55518**	**.49068**	**.19615**
Stddev	.00229	.00255	.00201	.00210	.00049
%RSD	19.312	5.8937	.36138	.42873	.25210
#1	.01025	-.04142	.55660	.49217	.19580
#2	.01349	-.04503	.55377	.48919	.19650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4798.5**	**66729.**	**4638.2**
Stddev	1.5	538.	12.3
%RSD	.03206	.80613	.26502
#1	4797.4	66348.	4629.6
#2	4799.5	67109.	4646.9

Sample Name: 280-27139-E-5-A Acquired: 4/3/2012 13:09:28 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 113753 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.01655**	**-.00015**	**.00239**	**.00255**	**.00004**	**-.00493**	**.03958**	**-.00026**	**-.00029**
Stddev	.00009	.00820	.00208	.00019	.00033	.00004	.00196	.00501	.00009	.00012
%RSD	18.827	49.551	1374.3	7.8510	13.148	110.19	39.708	12.647	33.946	40.255
#1	.00056	.01075	-.00162	.00226	.00278	.00007	-.00632	.04312	-.00020	-.00021
#2	.00043	.02235	.00132	.00252	.00231	.00001	-.00355	.03604	-.00033	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00069**	**.05188**	**.05892**	**.00021**	**.02239**	**.00177**	**.00014**	**.02331**	**-.00006**
Stddev	.00012	.00021	.00792	.00355	.00021	.00194	.00009	.00000	.01413	.00001
%RSD	241.61	30.484	15.259	6.0214	102.63	8.6810	5.3558	2.4434	60.592	12.521
#1	-.00013	-.00084	.05748	.05642	.00036	.02377	.00183	.00013	.03330	-.00006
#2	.00004	-.00054	.04628	.06143	.00006	.02102	.00170	.00014	.01333	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00255**	**-.00033**	**.02470**	**-.00057**	**-.00317**	**.03408**	**.00038**	**.00068**	**.00060**	**.00577**
Stddev	.00012	.00023	.00655	.00140	.00407	.00960	.00110	.00013	.00085	.00063
%RSD	4.8938	68.969	26.534	243.77	128.36	28.158	293.62	18.741	141.22	10.937
#1	.00264	-.00017	.02934	.00041	-.00029	.04087	-.00040	.00077	.00120	.00622
#2	.00247	-.00049	.02007	-.00156	-.00604	.02730	.00115	.00059	.00000	.00533
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00803**	**-.00071**	**.00488**	**.00383**
Stddev	.00027	.00893	.00024	.00047	.00327
%RSD	125.18	111.21	33.258	9.7213	85.399
#1	-.00002	-.00172	-.00087	.00522	.00615
#2	-.00040	-.01435	-.00054	.00454	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4421.7**	**63525.**	**4219.4**
Stddev	22.0	259.	6.1
%RSD	.49825	.40833	.14461
#1	4437.3	63708.	4215.1
#2	4406.1	63341.	4223.7

Sample Name: CCVH-1338467 Acquired: 4/3/2012 13:11:58 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00428**	**49.009**	**-.00344**	**.00307**	**.00055**	**.00003**	**1.0227**	**.00593**	**-.00200**	**.00180**	**.00022**	**.00246**	**48.943**
Stddev	.00042	.062	.00549	.00081	.00035	.00002	.0012	.00227	.00015	.00014	.00019	.00012	.135
%RSD	9.9089	.12570	159.52	26.212	63.538	50.472	.11595	38.189	7.5362	7.7015	85.461	4.9824	.27579
#1	.00458	49.053	.00044	.00250	.00030	.00004	1.0236	.00433	-.00211	.00190	.00035	.00255	49.038
#2	.00398	48.966	-.00733	.00364	.00079	.00002	1.0219	.00754	-.00189	.00170	.00009	.00237	48.847
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02525**	**-.00081**	**-.00937**	**-.00037**	**-.00129**	**246.41**	**.00159**	**.00810**	**.00077**	**4.9189**	**-.00365**	**-.00371**	**.02026**
Stddev	.04143	.00006	.00112	.00005	.00002	.33	.00022	.00153	.00073	.0066	.00026	.00527	.00386
%RSD	164.09	7.2702	11.939	14.614	1.8769	.13462	14.044	18.948	94.492	.13446	7.0566	142.02	19.030
#1	-.00405	-.00077	-.01016	-.00034	-.00127	246.64	.00175	.00702	.00026	4.9142	-.00347	-.00744	.01753
#2	.05454	-.00085	-.00858	-.00041	-.00130	246.17	.00143	.00919	.00129	4.9236	-.00383	.00002	.02298
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00034**	**5.0358**	**.00216**	**.00241**	**10.040**	**.00811**	**.00350**	**-.02754**
Stddev	.00063	.00002	.0019	.00042	.00045	.002	.00089	.00015	.00027
%RSD	22.362	6.7977	.03756	19.329	18.567	.01760	11.013	4.2686	.98751
#1	.00238	.00036	5.0344	.00246	.00272	10.042	.00748	.00339	-.02773
#2	.00327	.00032	5.0371	.00186	.00209	10.039	.00874	.00361	-.02735
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4297.9**	**59788.**	**4164.0**
Stddev	19.0	173.	10.8
%RSD	.44233	.28999	.25898
#1	4311.3	59911.	4171.6
#2	4284.4	59666.	4156.4

Sample Name: CCV-1338469 Acquired: 4/3/2012 13:14:25 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51802**	**.51570**	**.99236**	**.50595**	**.50171**	**.48100**	**.00011**	**4.9845**	**.50478**	**.50962**	**.50711**	**.49564**	**2.4285**
Stddev	.00004	.00541	.00073	.00117	.00202	.00181	.00074	.0135	.00064	.00087	.00091	.00026	.0234
%RSD	.00801	1.0485	.07315	.23077	.40201	.37653	676.62	.26992	.12581	.17075	.17962	.05254	.96278
#1	.51799	.51187	.99288	.50513	.50028	.47972	.00064	4.9749	.50433	.50900	.50646	.49583	2.4119
#2	.51805	.51952	.99185	.50678	.50314	.48228	-.00042	4.9940	.50523	.51023	.50775	.49546	2.4450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.375**	**.97167**	**19.839**	**.49316**	**.49788**	**4.9421**	**.50326**	**.99506**	**1.0194**	**-.00176**	**.99392**	**1.0022**	**4.8495**
Stddev	.124	.00541	.037	.00091	.00100	.0164	.00088	.00343	.0007	.00324	.00081	.0037	.0204
%RSD	.25638	.55714	.18645	.18477	.20079	.33134	.17439	.34457	.06906	183.71	.08124	.37171	.42161
#1	48.287	.96785	19.866	.49381	.49718	4.9306	.50264	.99263	1.0199	-.00406	.99450	.99959	4.8351
#2	48.463	.97550	19.813	.49252	.49859	4.9537	.50388	.99748	1.0189	.00053	.99335	1.0049	4.8640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0315**	**.48652**	**.00019**	**.50624**	**1.0331**	**-.01276**	**.50976**	**.50070**	**.49467**
Stddev	.0009	.00213	.00114	.00093	.0013	.00246	.00046	.00112	.00238
%RSD	.09134	.43715	608.99	.18331	.12730	19.291	.08931	.22300	.48140
#1	1.0322	.48502	-.00062	.50689	1.0340	-.01102	.51008	.49991	.49299
#2	1.0308	.48803	.00099	.50558	1.0322	-.01450	.50944	.50149	.49636
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4353.7**	**61157.**	**4147.4**
Stddev	4.2	203.	12.7
%RSD	.09752	.33172	.30505
#1	4356.7	61014.	4156.4
#2	4350.7	61301.	4138.5

Sample Name: CCB Acquired: 4/3/2012 13:16:45 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00072**	W **-.00550**	W **.00206**	**.00034**	**.00001**	**-.00116**	**.00065**	**-.00011**	**-.00016**
Stddev	.00050	.00027	.00166	.00013	.00013	.00009	.00247	.00574	.00009	.00001
%RSD	111.98	37.709	30.193	6.4313	38.655	648.86	212.46	879.53	83.738	5.0054
#1	.00009	.00091	-.00433	.00215	.00025	.00008	-.00291	.00471	-.00004	-.00015
#2	.00079	.00052	-.00667	.00196	.00043	-.00005	.00058	-.00341	-.00017	-.00016
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156						
Low Limit			-.00440	-.00156						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**-.00085**	**.00341**	**.05338**	**.00081**	**.00005**	**-.00002**	**.00076**	**.02007**	**-.00018**
Stddev	.00020	.00027	.00123	.00354	.00092	.00029	.00003	.00025	.00237	.00021
%RSD	38.294	31.702	35.978	6.6363	113.45	607.62	141.35	32.347	11.809	115.32
#1	.00038	-.00066	.00255	.05589	.00146	-.00016	-.00004	.00059	.02175	-.00033
#2	.00066	-.00104	.00428	.05088	.00016	.00025	.00000	.00094	.01840	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.00142**	**-.00224**	W **.00446**	**.00203**	**.01278**	**.00066**	**.00001**	**.00157**	**-.00011**
Stddev	.00142	.00059	.00229	.00012	.00314	.00997	.00099	.00006	.00036	.00033
%RSD	94.779	41.762	102.40	2.7981	155.00	78.006	148.98	785.13	23.135	293.87
#1	.00049	.00100	-.00062	.00455	-.00019	.00573	-.00004	.00005	.00183	-.00035
#2	.00250	.00184	-.00385	.00437	.00425	.01983	.00137	-.00004	.00132	.00012
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314						
Low Limit				-.00314						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**-.01367**	**-.00030**	**.00227**	**.00125**
Stddev	.00081	.00659	.00082	.00047	.00006
%RSD	204.83	48.188	274.31	20.798	4.5839
#1	-.00097	-.00901	-.00087	.00193	.00121
#2	.00018	-.01832	.00028	.00260	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4306.2**	**61271.**	**4080.9**
Stddev	4.5	145.	28.1
%RSD	.10475	.23674	.68793
#1	4303.0	61168.	4100.8
#2	4309.4	61373.	4061.1

Sample Name: CCVL1342846 Acquired: 4/3/2012 13:19:18 Type: QC
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01045**	**.10551**	W **.01153**	**.09670**	**.01057**	**.00102**	**.10869**	**.20031**	**.00498**	**.01023**	**.01096**
Stddev	.00047	.00028	.00638	.00055	.00030	.00001	.00192	.00355	.00001	.00038	.00016
%RSD	4.4489	.26566	55.308	.57090	2.8172	1.1416	1.7639	1.7742	.29825	3.7171	1.4677
#1	.01078	.10531	.00702	.09709	.01078	.00103	.11005	.20282	.00497	.01050	.01084
#2	.01012	.10571	.01604	.09631	.01036	.00101	.10734	.19780	.00499	.00996	.01107
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			-20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01421**	**.10246**	**2.9019**	**.01036**	**.20259**	**.01024**	**.01963**	**1.0132**	**.04108**	**2.7847**	**.01053**
Stddev	.00019	.00170	.0261	.00038	.00025	.00000	.00045	.0019	.00012	.0066	.00102
%RSD	1.3201	1.6625	.90033	3.7122	.12432	.03273	2.2709	.18932	.28316	.23717	9.7040
#1	.01434	.10366	2.8835	.01009	.20277	.01025	.01932	1.0119	.04100	2.7801	.01125
#2	.01408	.10125	2.9204	.01063	.20241	.01024	.01995	1.0146	.04116	2.7894	.00981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.01090**	**.01314**	**.49274**	**.10197**	**.00991**	**.01549**	**.00979**	**.01522**	**.05701**	**.00993**
Stddev	.00343	.00236	.00160	.00333	.00065	.00001	.00077	.00004	.00080	.00374	.00042
%RSD	408.48	21.673	12.143	.67512	.64094	.11332	4.9566	.44491	5.2705	6.5629	4.2093
#1	.00158	.01257	.01201	.49509	.10244	.00992	.01603	.00982	.01579	.05966	.01022
#2	-.00326	.00923	.01426	.49039	.10151	.00990	.01495	.00976	.01465	.05437	.00963
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02239**	**.01632**
Stddev	.00028	.00076
%RSD	1.2530	4.6410
#1	.02259	.01578
#2	.02219	.01685
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4334.1**	**61649.**	**4118.5**
Stddev	2.8	189.	12.4
%RSD	.06356	.30725	.30017
#1	4332.1	61515.	4127.2
#2	4336.0	61783.	4109.8

Sample Name: Fe 1000 Acquired: 4/3/2012 13:21:47 Type: Unk
Method: 6500_026(v2) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	F **-.43425**	F **-.02882**	**-.00929**	**-.00015**	**.00006**	**.00936**	**.02881**	**.00053**	**.00981**
Stddev	.00015	.01623	.00231	.00033	.00006	.00004	.00237	.00433	.00024	.00003
%RSD	6.4517	3.7371	8.0029	3.6001	37.834	72.008	25.355	15.041	45.437	.29806
#1	.00227	-.44572	-.03045	-.00905	-.00019	.00009	.00768	.03187	.00069	.00983
#2	.00249	-.42277	-.02719	-.00952	-.00011	.00003	.01103	.02575	.00036	.00979
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		3.0000	50.000							
Low Limit		-.10000	-.02000							

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**.02287**	W **1032.2**	**-.17774**	**-.00057**	W **-.16654**	**.01831**	**-.00537**	**.11306**	**.02624**
Stddev	.00020	.00023	3.8	.01192	.00099	.00297	.00001	.00034	.00783	.00033
%RSD	5.2034	1.0077	.36812	6.7056	175.04	1.7850	.06805	6.2716	6.9238	1.2427
#1	.00392	.02270	1034.9	-.18617	-.00127	-.16864	.01830	-.00561	.10752	.02648
#2	.00364	.02303	1029.5	-.16932	.00013	-.16444	.01832	-.00513	.11859	.02601
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00			500.00				
Low Limit			40.000			-.10000				

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03232**	**.01158**	**.13292**	**.02187**	F **-.02636**	**.01726**	**.00719**	**.00048**	**.03383**	**.00049**
Stddev	.00079	.00113	.00117	.00132	.00591	.00405	.00036	.00011	.00177	.00021
%RSD	2.4480	9.7942	.87980	6.0257	22.442	23.450	4.9776	23.819	5.2184	42.333
#1	.03176	.01077	.13209	.02280	-.03054	.01440	.00745	.00056	.03258	.00063
#2	.03288	.01238	.13374	.02094	-.02217	.02012	.00694	.00040	.03508	.00034
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00186**	**.19391**	**.00075**	**.14995**	**-.00411**
Stddev	.00152	.01829	.00016	.00083	.00026
%RSD	81.997	9.4324	20.612	.55523	6.3664
#1	-.00293	.20685	.00064	.15054	-.00429
#2	-.00078	.18098	.00087	.14936	-.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4185.5**	**58938.**	**4118.9**
Stddev	2.9	170.	5.9
%RSD	.07048	.28916	.14445
#1	4187.6	58818.	4123.1
#2	4183.4	59059.	4114.7

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ICP Data Review Checklist

TALS BATCH NUMBER: 114077	**Earliest due date:** 4/3/12	
Run Date: 4/3/12	**Analyst:** HEB	**Instrument:** 26
QC programs/Methods Run: 6010B, DODV4.1		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: Heidi Brown **Date:** 4/3/12

Comments: Linear range Standard ran - Fe @ 1000 ppm

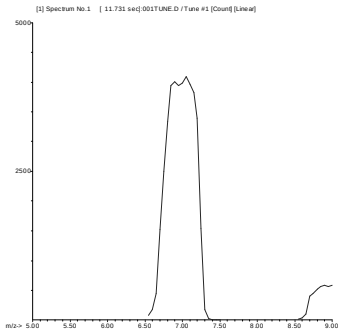
2nd Level Reviewer: Yongmin Ds **Date:** 4/3/12

Comments:

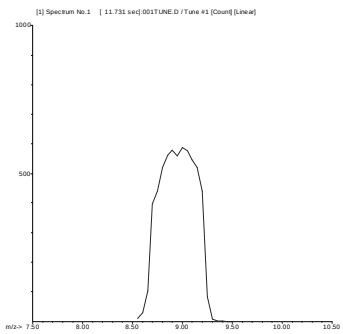
200.8 QC Tune Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\001TUNE.D
Date Acquired: Apr 2 2012 05:12 pm
Acq. Method: tun_isiA.M
Operator: TEL
Sample Name: ITUNE-1336977
Misc Info:
Vial Number: 4
Current Method: C:\ICPCHEM\1\METHODS\tun_isiA.M

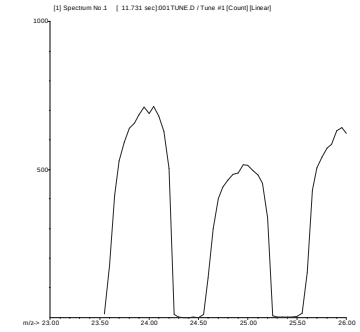
Element	CPS Mean	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	%RSD	Required	Flag
7 Li	40952	40474	41036	40579	41129	41541	**1.06**	5.00	
9 Be	5968	5878	5900	6100	5953	6006	**1.50**	5.00	
24 Mg	38197	37140	38357	38286	38391	38812	**1.64**	5.00	
25 Mg	5536	5448	5467	5557	5664	5545	**1.55**	5.00	
26 Mg	6984	6714	6985	7043	7089	7091	**2.25**	5.00	
59 Co	314314	311035	315773	313629	314573	316560	**0.68**	5.00	
115 In	3622338	3610446	3613728	3636558	3613731	3637226	**0.37**	5.00	
206 Pb	131916	132678	132210	132817	131232	130643	**0.72**	5.00	
207 Pb	117288	118563	117423	116400	116843	117212	**0.69**	5.00	
208 Pb	275472	278940	275051	277051	275800	270515	**1.14**	5.00	
238 U	512009	522989	515625	508177	512129	501125	**1.60**	5.00	



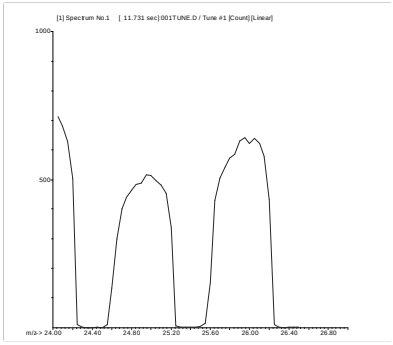
7 Li
Mass Calib.
Actual: 7.00
Range: 6.90 - 7.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



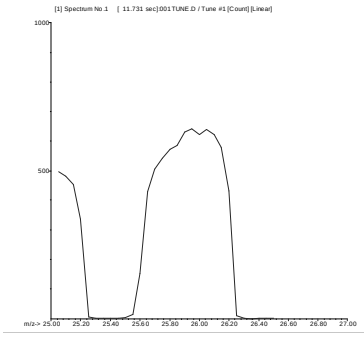
9 Be
Mass Calib.
Actual: 8.95
Range: 8.90 - 9.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



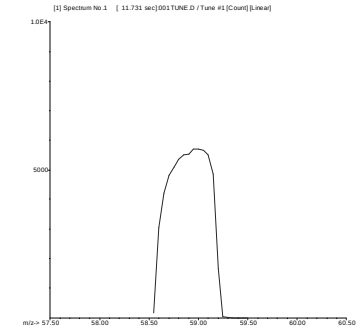
24 Mg
Mass Calib.
Actual: 24.00
Range: 23.90 - 24.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



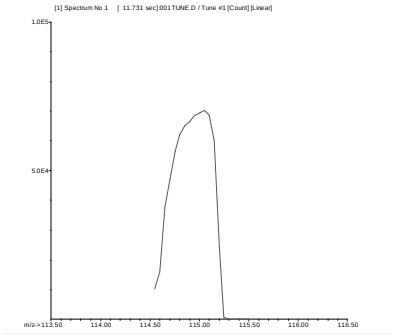
25 Mg
Mass Calib.
Actual: 24.95
Range: 24.90 - 25.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



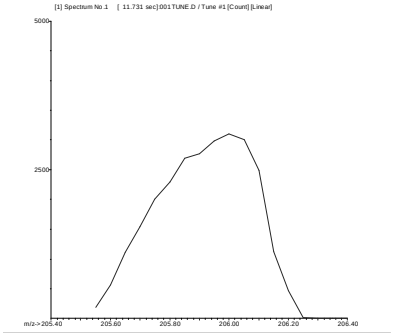
26 Mg
Mass Calib.
Actual: 26.00
Range: 25.90 - 26.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



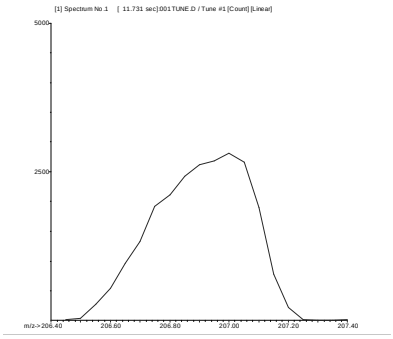
59 Co
Mass Calib.
Actual: 59.00
Range: 58.90 - 59.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



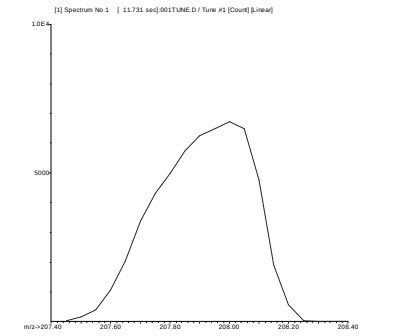
115 In
Mass Calib.
Actual: 115.00
Range: 114.90 - 115.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



206 Pb
Mass Calib.
Actual: 205.95
Range: 205.90 - 206.10
Flag:
Peak Width
Actual: 0.60
Required:0.90
Flag:



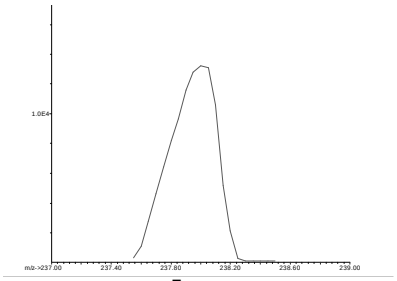
207 Pb
Mass Calib.
Actual: 206.95
Range: 206.90 - 207.10
Flag:
Peak Width
Actual: 0.55
Required:0.90
Flag:



208 Pb
Mass Calib.
Actual: 207.95
Range: 207.90 - 208.10
Flag:
Peak Width
Actual: 0.55
Required:0.90
Flag:



238 U
Mass Calib.



Actual: 238.00
Range: 237.90 - 238.10
Flag:

Peak Width

Actual: 0.55
Required:0.90
Flag:

Tune Result: Pass

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\003CAL
Date Acquired: Apr 2 2012 05:18 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342540
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:16 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	0	0.00
51	V	72	1	-73	191.98
52	Cr	72	1	3287	6.33
55	Mn	72	1	4738	3.18
59	Co	72	1	223	20.19
60	Ni	72	1	147	19.68
63	Cu	72	1	1473	8.10
66	Zn	72	1	489	5.27
75	As	72	1	123	11.10
78	Se	72	1	440	12.03
95	Mo	72	1	277	41.89
107	Ag	115	1	27	94.38
111	Cd	115	1	584	10.96
118	Sn	115	1	450	8.89
121	Sb	115	1	37	41.67
137	Ba	115	1	94	22.69
205	Tl	165	1	183	11.36
208	Pb	165	1	858	14.98
232	Th	165	1	83	36.66
238	U	165	1	131	5.87

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	715866	2.02
45	Sc	1	3345645	0.82
72	Ge	1	2000336	0.82
115	In	1	6311329	0.59
165	Ho	1	12325120	0.60

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\004ICAL.D\004ICAL.D#
Date Acquired: Apr 2 2012 05:21 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342531
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:19 pm
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	98559	2.04
51 V	72	1	2727845	1.57
52 Cr	72	1	3141944	2.14
55 Mn	72	1	2939113	1.37
59 Co	72	1	4508062	0.87
60 Ni	72	1	1117319	1.72
63 Cu	72	1	2663702	0.81
66 Zn	72	1	435602	0.38
75 As	72	1	316060	0.46
78 Se	72	1	50374	1.41
95 Mo	72	1	1319314	2.31
107 Ag	115	1	4060270	0.72
111 Cd	115	1	675824	0.20
118 Sn	115	1	1814599	1.31
121 Sb	115	1	1809053	0.70
137 Ba	115	1	831853	0.16
205 Tl	165	1	7220102	0.42
208 Pb	165	1	9857246	0.94
232 Th	165	1	9559549	0.49
238 U	165	1	10559930	1.02

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	708533	0.97	715866	99.0	30 - 120	
45 Sc	1	3279453	1.64	3345645	98.0	30 - 120	
72 Ge	1	2010636	0.78	2000336	100.5	30 - 120	
115 In	1	6323596	0.20	6311330	100.2	30 - 120	
165 Ho	1	12290190	0.96	12325117	99.7	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Initial Calibration Verification (ICV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\005_ICV.D\005_ICV.D#
Date Acquired: Apr 2 2012 05:24 pm
Operator: TEL
Sample Name: ICV-1342532
Misc Info:
Vial Number: 2103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: ICV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	39.20	ppb	1.57	40	98.0	90 - 110	
51 V	72	1	41.64	ppb	0.35	40	104.1	90 - 110	
52 Cr	72	1	41.22	ppb	0.66	40	103.1	90 - 110	
55 Mn	72	1	41.76	ppb	0.86	40	104.4	90 - 110	
59 Co	72	1	42.10	ppb	1.17	40	105.3	90 - 110	
60 Ni	72	1	39.79	ppb	0.96	40	99.5	90 - 110	
63 Cu	72	1	40.55	ppb	1.11	40	101.4	90 - 110	
66 Zn	72	1	40.29	ppb	0.75	40	100.7	90 - 110	
75 As	72	1	40.45	ppb	0.83	40	101.1	90 - 110	
78 Se	72	1	40.04	ppb	3.62	40	100.1	90 - 110	
95 Mo	72	1	39.62	ppb	0.64	40	99.1	90 - 110	
107 Ag	115	1	41.21	ppb	2.91	40	103.0	90 - 110	
111 Cd	115	1	40.30	ppb	0.73	40	100.8	90 - 110	
118 Sn	115	1	39.63	ppb	0.29	40	99.1	90 - 110	
121 Sb	115	1	39.10	ppb	0.18	40	97.8	90 - 110	
137 Ba	115	1	40.04	ppb	1.09	40	100.1	90 - 110	
205 Tl	165	1	39.80	ppb	1.28	40	99.5	90 - 110	
208 Pb	165	1	40.42	ppb	0.49	40	101.1	90 - 110	
232 Th	165	1	39.85	ppb	1.99	40	99.6	90 - 110	
238 U	165	1	37.71	ppb	0.88	40	94.3	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	715271	1.25	715866	99.9	30 - 120	
45 Sc	1	3305692	0.94	3345645	98.8	30 - 120	
72 Ge	1	1996030	0.09	2000336	99.8	30 - 120	
115 In	1	6285453	1.15	6311330	99.6	30 - 120	
165 Ho	1	12438526	0.67	12325117	100.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\006WASH.D\006WASH.D#
Date Acquired: Apr 2 2012 05:27 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.917 ppb	13.50	1.30	
51 V	72	1	5.402 ppb	0.65	6.50	
52 Cr	72	1	2.121 ppb	1.81	2.60	
55 Mn	72	1	1.073 ppb	0.95	1.30	
59 Co	72	1	1.071 ppb	1.82	1.30	
60 Ni	72	1	2.018 ppb	1.65	2.60	
63 Cu	72	1	2.186 ppb	0.89	2.60	
66 Zn	72	1	10.810 ppb	0.96	13.00	
75 As	72	1	5.154 ppb	1.13	6.50	
78 Se	72	1	4.632 ppb	2.85	6.50	
95 Mo	72	1	2.060 ppb	1.11	2.60	
107 Ag	115	1	5.203 ppb	1.25	6.50	
111 Cd	115	1	1.107 ppb	3.40	1.30	
118 Sn	115	1	10.130 ppb	0.80	13.00	
121 Sb	115	1	2.238 ppb	1.86	2.60	
137 Ba	115	1	1.079 ppb	2.64	1.30	
205 Tl	165	1	1.118 ppb	1.78	1.30	
208 Pb	165	1	1.062 ppb	0.32	1.30	
232 Th	165	1	2.116 ppb	1.79	2.60	
238 U	165	1	1.033 ppb	1.24	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	707948	0.73	715866	98.9	30 - 120	
45 Sc	1	3275611	0.32	3345645	97.9	30 - 120	
72 Ge	1	1987545	0.62	2000336	99.4	30 - 120	
115 In	1	6279801	1.52	6311330	99.5	30 - 120	
165 Ho	1	12287519	1.08	12325117	99.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Initial Calibration Blank (ICB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\007_ICB.D\007_ICB.D#
Date Acquired: Apr 2 2012 05:30 pm
Operator: TEL
Sample Name: ICB-1342540
Misc Info:
Vial Number: 2104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: ICB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.02	ppb	124.32	1.00	
51 V	72	1	0.01	ppb	106.02	1.00	
52 Cr	72	1	0.01	ppb	66.83	1.00	
55 Mn	72	1	-0.02	ppb	273.81	1.00	
59 Co	72	1	0.00	ppb	14.08	1.00	
60 Ni	72	1	0.02	ppb	27.02	1.00	
63 Cu	72	1	0.02	ppb	8.53	1.00	
66 Zn	72	1	0.10	ppb	2.84	1.00	
75 As	72	1	0.01	ppb	37.97	1.00	
78 Se	72	1	0.08	ppb	188.61	1.00	
95 Mo	72	1	0.03	ppb	20.75	1.00	
107 Ag	115	1	0.01	ppb	13.04	1.00	
111 Cd	115	1	0.01	ppb	33.88	1.00	
118 Sn	115	1	0.04	ppb	16.43	1.00	
121 Sb	115	1	0.08	ppb	5.27	1.00	
137 Ba	115	1	0.00	ppb	47.85	1.00	
205 Tl	165	1	0.02	ppb	12.53	1.00	
208 Pb	165	1	0.01	ppb	11.02	1.00	
232 Th	165	1	0.02	ppb	8.12	1.00	
238 U	165	1	0.01	ppb	1.36	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	709314	0.81	715866	99.1	30 - 120	
45 Sc	1	3319847	0.35	3345645	99.2	30 - 120	
72 Ge	1	1999679	0.40	2000336	100.0	30 - 120	
115 In	1	6313025	1.07	6311330	100.0	30 - 120	
165 Ho	1	12415482	1.36	12325117	100.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

RL STD QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\008RLST.D\008RLST.D#
Date Acquired: Apr 2 2012 05:33 pm
Operator: TEL
Sample Name: CRI-1342533
Misc Info:
Vial Number: 2105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: RLSTD
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	0.93	ppb	13.90	1	92.9	80 - 120	
51 V	72	1	1.04	ppb	1.53	1	104.0	80 - 120	
52 Cr	72	1	1.03	ppb	2.02	1	102.8	80 - 120	
55 Mn	72	1	0.90	ppb	1.94	1	90.1	80 - 120	
59 Co	72	1	1.03	ppb	3.46	1	102.6	80 - 120	
60 Ni	72	1	0.99	ppb	1.00	1	98.6	80 - 120	
63 Cu	72	1	1.03	ppb	0.39	1	103.2	80 - 120	
66 Zn	72	1	10.11	ppb	0.73	10	101.1	80 - 120	
75 As	72	1	1.00	ppb	0.91	1	100.1	80 - 120	
78 Se	72	1	0.82	ppb	31.15	1	82.1	80 - 120	
95 Mo	72	1	1.00	ppb	3.00	1	99.7	80 - 120	
107 Ag	115	1	1.05	ppb	1.77	1	105.0	80 - 120	
111 Cd	115	1	1.01	ppb	3.16	1	101.2	80 - 120	
118 Sn	115	1	9.97	ppb	1.25	10	99.7	80 - 120	
121 Sb	115	1	1.05	ppb	2.29	1	104.6	80 - 120	
137 Ba	115	1	1.02	ppb	1.02	1	102.2	80 - 120	
205 Tl	165	1	1.03	ppb	2.11	1	102.5	80 - 120	
208 Pb	165	1	1.01	ppb	1.93	1	100.7	80 - 120	
232 Th	165	1	1.00	ppb	0.76	1	100.2	80 - 120	
238 U	165	1	1.01	ppb	1.21	1	100.9	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	715551	2.22	715866	100.0	30 - 120	
45 Sc	1	3282114	0.72	3345645	98.1	30 - 120	
72 Ge	1	1980533	0.97	2000336	99.0	30 - 120	
115 In	1	6244284	0.52	6311330	98.9	30 - 120	
165 Ho	1	12348405	1.87	12325117	100.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

AFCEE RL QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\009AFCE.D\009AFCE.D#
Date Acquired: Apr 2 2012 05:36 pm
Operator: TEL
Sample Name: AFCEE RL-1342534
Misc Info:
Vial Number: 2106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: AFCEERL
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	0.21	ppb	15.80	0	115.4	80 - 120	
51 V	72	1	0.20	ppb	7.33	0	97.5	80 - 120	
52 Cr	72	1	0.35	ppb	2.27	0	168.3	80 - 120	
55 Mn	72	1	0.12	ppb	11.70	0	66.8	80 - 120	
59 Co	72	1	0.20	ppb	2.05	0	98.7	80 - 120	
60 Ni	72	1	0.21	ppb	3.66	0	106.1	80 - 120	
63 Cu	72	1	0.21	ppb	9.01	0	101.2	80 - 120	
66 Zn	72	1	2.03	ppb	0.89	2	100.3	80 - 120	
75 As	72	1	0.20	ppb	7.80	0	99.0	80 - 120	
78 Se	72	1	0.28	ppb	69.79	0	172.6	80 - 120	
95 Mo	72	1	0.21	ppb	7.66	0	103.2	80 - 120	
107 Ag	115	1	0.20	ppb	2.02	0	95.5	80 - 120	
111 Cd	115	1	0.15	ppb	5.64	0	71.6	80 - 120	
118 Sn	115	1	1.99	ppb	1.14	2	99.9	80 - 120	
121 Sb	115	1	0.22	ppb	3.05	0	106.7	80 - 120	
137 Ba	115	1	0.23	ppb	4.42	0	112.0	80 - 120	
205 Tl	165	1	0.21	ppb	0.50	0	101.2	80 - 120	
208 Pb	165	1	0.21	ppb	1.81	0	103.7	80 - 120	
232 Th	165	1	0.21	ppb	1.80	0	102.9	80 - 120	
238 U	165	1	0.20	ppb	1.47	0	98.8	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	715470	3.03	715866	99.9	30 - 120	
45 Sc	1	3278819	1.22	3345645	98.0	30 - 120	
72 Ge	1	1977127	1.15	2000336	98.8	30 - 120	
115 In	1	6299738	1.40	6311330	99.8	30 - 120	
165 Ho	1	12257187	0.47	12325117	99.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Interference Check Solution A (ICS-A) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\010ICSA.D\010ICSA.D#
Date Acquired: Apr 2 2012 05:39 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: ICSA-1342536
Misc Info:
Vial Number: 2108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: ICSA
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element		IS Ref	Tune	Conc.	RSD(%)	High Limit ppb	Flag
9	Be	6	1	0.00 ppb	173.19	1.00	
51	V	72	1	0.00 ppb	2406.80	1.00	
52	Cr	72	1	1.22 ppb	2.46	1.00	
55	Mn	72	1	0.32 ppb	3.44	1.00	
59	Co	72	1	0.05 ppb	7.04	1.00	
60	Ni	72	1	0.83 ppb	1.31	1.00	
63	Cu	72	1	0.35 ppb	6.31	1.00	
66	Zn	72	1	2.49 ppb	1.93	10.00	
75	As	72	1	0.53 ppb	3.02	1.00	
78	Se	72	1	0.00 ppb	52426.00	1.00	
95	Mo	72	1	2039.00 ppb	0.77	2000.00	
107	Ag	115	1	0.06 ppb	5.94	1.00	
111	Cd	115	1	0.63 ppb	12.39	1.00	
118	Sn	115	1	0.13 ppb	7.59	10.00	
121	Sb	115	1	0.30 ppb	2.49	1.00	
137	Ba	115	1	0.17 ppb	2.32	1.00	
205	Tl	165	1	0.04 ppb	26.39	1.00	
208	Pb	165	1	0.14 ppb	3.58	1.00	
232	Th	165	1	0.03 ppb	10.65	1.00	
238	U	165	1	0.00 ppb	36.24	1.00	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	615318	1.33	715866	86.0	30 - 120	
45	Sc	1	2587395	0.49	3345645	77.3	30 - 120	
72	Ge	1	1560885	1.06	2000336	78.0	30 - 120	
115	In	1	4986656	1.52	6311330	79.0	30 - 120	
165	Ho	1	10458647	0.34	12325117	84.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Nnumber of ISTD Failures Allowed

Interference Check Solution AB (ICS-AB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\011ICSB.D\011ICSB.D#
Date Acquired: Apr 2 2012 05:42 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: ICSAB-1342537
Misc Info:
Vial Number: 2109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: ICSAB
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	%Recovery	QC Range(%)	Flag
9 Be	6	1	99.23	0.30	100	99.2	80 - 120	
51 V	72	1	107.00	1.20	100	107.0	80 - 120	
52 Cr	72	1	103.50	0.26	100	103.5	80 - 120	
55 Mn	72	1	100.10	1.85	100	100.1	80 - 120	
59 Co	72	1	99.67	1.18	100	99.7	80 - 120	
60 Ni	72	1	93.36	0.96	100	93.4	80 - 120	
63 Cu	72	1	91.82	0.89	100	91.8	80 - 120	
66 Zn	72	1	100.30	0.24	100	100.3	80 - 120	
75 As	72	1	105.70	0.39	100	105.7	80 - 120	
78 Se	72	1	108.80	0.30	100	108.8	80 - 120	
95 Mo	72	1	2224.00	0.79	2100	105.9	80 - 120	
107 Ag	115	1	89.98	0.79	100	90.0	80 - 120	
111 Cd	115	1	99.02	0.45	100	99.0	80 - 120	
118 Sn	115	1	103.70	1.47	100	103.7	80 - 120	
121 Sb	115	1	105.10	1.41	100	105.1	80 - 120	
137 Ba	115	1	106.40	0.39	100	106.4	80 - 120	
205 Tl	165	1	97.10	1.03	100	97.1	80 - 120	
208 Pb	165	1	96.95	0.80	100	97.0	80 - 120	
232 Th	165	1	109.20	0.21	100	109.2	80 - 120	
238 U	165	1	107.10	0.36	100	107.1	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	638152	0.47	715866	89.1	30 - 120	
45 Sc	1	2588895	1.30	3345645	77.4	30 - 120	
72 Ge	1	1554412	0.54	2000336	77.7	30 - 120	
115 In	1	5073616	0.70	6311330	80.4	30 - 120	
165 Ho	1	10721636	0.91	12325117	87.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\012WASH.D\012WASH.D#
Date Acquired: Apr 2 2012 05:45 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.007 ppb	86.63	1.30	
51 V	72	1	0.001 ppb	1481.20	6.50	
52 Cr	72	1	0.004 ppb	244.08	2.60	
55 Mn	72	1	-0.107 ppb	4.06	1.30	
59 Co	72	1	0.010 ppb	22.20	1.30	
60 Ni	72	1	0.015 ppb	65.73	2.60	
63 Cu	72	1	0.023 ppb	28.69	2.60	
66 Zn	72	1	0.040 ppb	25.63	13.00	
75 As	72	1	0.014 ppb	32.01	6.50	
78 Se	72	1	0.074 ppb	343.30	6.50	
95 Mo	72	1	0.544 ppb	15.88	2.60	
107 Ag	115	1	0.019 ppb	2.94	6.50	
111 Cd	115	1	0.005 ppb	83.65	1.30	
118 Sn	115	1	0.033 ppb	15.56	13.00	
121 Sb	115	1	0.067 ppb	2.93	2.60	
137 Ba	115	1	0.011 ppb	20.78	1.30	
205 Tl	165	1	0.025 ppb	9.49	1.30	
208 Pb	165	1	0.013 ppb	9.89	1.30	
232 Th	165	1	0.039 ppb	16.42	2.60	
238 U	165	1	0.014 ppb	10.73	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	718484	1.99	715866	100.4	30 - 120	
45 Sc	1	3122582	0.27	3345645	93.3	30 - 120	
72 Ge	1	1941791	1.33	2000336	97.1	30 - 120	
115 In	1	6239053	0.47	6311330	98.9	30 - 120	
165 Ho	1	12366239	1.04	12325117	100.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Linear Dynamic Range Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\013_LR.D\013_LR.D#
Date Acquired: Apr 2 2012 05:48 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: LRA-1342538
Misc Info:
Vial Number: 2110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: LR
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc.	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	992.80 ppb	2.25	1000	99.3	90 - 110	
51 V	72	1	977.40 ppb	2.06	1000	97.7	90 - 110	
52 Cr	72	1	988.90 ppb	1.84	1000	98.9	90 - 110	
55 Mn	72	1	974.10 ppb	1.81	1000	97.4	90 - 110	
59 Co	72	1	996.60 ppb	0.59	1000	99.7	90 - 110	
60 Ni	72	1	966.20 ppb	1.48	1000	96.6	90 - 110	
63 Cu	72	1	971.50 ppb	0.44	1000	97.2	90 - 110	
66 Zn	72	1	991.20 ppb	0.41	1000	99.1	90 - 110	
75 As	72	1	1011.00 ppb	1.49	1000	101.1	90 - 110	
78 Se	72	1	1008.00 ppb	0.99	1000	100.8	90 - 110	
95 Mo	72	1	984.10 ppb	0.47	1000	98.4	90 - 110	
107 Ag	115	1	1001.00 ppb	0.12	1000	100.1	90 - 110	
111 Cd	115	1	985.00 ppb	0.39	1000	98.5	90 - 110	
118 Sn	115	1	975.60 ppb	0.33	1000	97.6	90 - 110	
121 Sb	115	1	975.00 ppb	0.32	1000	97.5	90 - 110	
137 Ba	115	1	1006.00 ppb	1.02	1000	100.6	90 - 110	
205 Tl	165	1	983.60 ppb	0.68	1000	98.4	90 - 110	
208 Pb	165	1	972.00 ppb	0.41	1000	97.2	90 - 110	
232 Th	165	1	994.10 ppb	0.56	1000	99.4	90 - 110	
238 U	165	1	968.40 ppb	0.97	1000	96.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	693562	2.72	715866	96.9	30 - 120	
45 Sc	1	3100258	1.82	3345645	92.7	30 - 120	
72 Ge	1	1907007	1.16	2000336	95.3	30 - 120	
115 In	1	6115025	0.54	6311330	96.9	30 - 120	
165 Ho	1	12291422	0.15	12325117	99.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\014WASH.D\014WASH.D#
Date Acquired: Apr 2 2012 05:50 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.105 ppb	7.12	1.30	
51 V	72	1	0.105 ppb	9.60	6.50	
52 Cr	72	1	0.094 ppb	11.64	2.60	
55 Mn	72	1	-0.020 ppb	92.24	1.30	
59 Co	72	1	0.120 ppb	5.06	1.30	
60 Ni	72	1	0.106 ppb	15.20	2.60	
63 Cu	72	1	0.118 ppb	5.89	2.60	
66 Zn	72	1	0.145 ppb	9.27	13.00	
75 As	72	1	0.128 ppb	10.75	6.50	
78 Se	72	1	0.476 ppb	24.36	6.50	
95 Mo	72	1	0.270 ppb	10.78	2.60	
107 Ag	115	1	0.202 ppb	4.99	6.50	
111 Cd	115	1	0.112 ppb	14.34	1.30	
118 Sn	115	1	0.424 ppb	7.11	13.00	
121 Sb	115	1	0.667 ppb	5.36	2.60	
137 Ba	115	1	0.116 ppb	14.56	1.30	
205 Tl	165	1	0.280 ppb	13.36	1.30	
208 Pb	165	1	0.126 ppb	9.05	1.30	
232 Th	165	1	0.273 ppb	16.48	2.60	
238 U	165	1	0.121 ppb	13.22	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	706505	1.49	715866	98.7	30 - 120	
45 Sc	1	3229941	0.34	3345645	96.5	30 - 120	
72 Ge	1	1970607	0.62	2000336	98.5	30 - 120	
115 In	1	6246000	0.98	6311330	99.0	30 - 120	
165 Ho	1	12326524	0.54	12325117	100.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\015_CCV.D\015_CCV.D#
Date Acquired: Apr 2 2012 05:53 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.35	ppb	1.94	50	100.7	90 - 110	
51 V	72	1	52.80	ppb	0.68	50	105.6	90 - 110	
52 Cr	72	1	52.88	ppb	0.40	50	105.8	90 - 110	
55 Mn	72	1	52.29	ppb	3.11	50	104.6	90 - 110	
59 Co	72	1	51.32	ppb	1.24	50	102.6	90 - 110	
60 Ni	72	1	49.96	ppb	1.17	50	99.9	90 - 110	
63 Cu	72	1	51.80	ppb	0.96	50	103.6	90 - 110	
66 Zn	72	1	51.31	ppb	1.35	50	102.6	90 - 110	
75 As	72	1	51.20	ppb	1.27	50	102.4	90 - 110	
78 Se	72	1	50.72	ppb	1.27	50	101.4	90 - 110	
95 Mo	72	1	50.86	ppb	1.22	50	101.7	90 - 110	
107 Ag	115	1	51.61	ppb	2.26	50	103.2	90 - 110	
111 Cd	115	1	50.81	ppb	0.99	50	101.6	90 - 110	
118 Sn	115	1	50.80	ppb	0.99	50	101.6	90 - 110	
121 Sb	115	1	51.35	ppb	1.44	50	102.7	90 - 110	
137 Ba	115	1	51.19	ppb	0.48	50	102.4	90 - 110	
205 Tl	165	1	50.41	ppb	0.81	50	100.8	90 - 110	
208 Pb	165	1	50.53	ppb	0.60	50	101.1	90 - 110	
232 Th	165	1	49.72	ppb	2.23	50	99.4	90 - 110	
238 U	165	1	48.77	ppb	1.42	50	97.5	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	709459	0.48	715866	99.1	30 - 120	
45 Sc	1	3292647	0.68	3345645	98.4	30 - 120	
72 Ge	1	1982617	0.88	2000336	99.1	30 - 120	
115 In	1	6315764	1.31	6311330	100.1	30 - 120	
165 Ho	1	12480655	0.23	12325117	101.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\016_CCB.D\016_CCB.D#
Date Acquired: Apr 2 2012 05:56 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.063	ppb	37.15	1.00	
51 V	72	1	0.018	ppb	28.10	1.00	
52 Cr	72	1	0.031	ppb	22.15	1.00	
55 Mn	72	1	-0.093	ppb	10.71	1.00	
59 Co	72	1	0.031	ppb	16.01	1.00	
60 Ni	72	1	0.027	ppb	12.03	1.00	
63 Cu	72	1	0.028	ppb	10.74	1.00	
66 Zn	72	1	0.070	ppb	22.80	1.00	
75 As	72	1	0.042	ppb	12.04	1.00	
78 Se	72	1	0.067	ppb	227.38	1.00	
95 Mo	72	1	0.062	ppb	4.43	1.00	
107 Ag	115	1	0.031	ppb	6.68	1.00	
111 Cd	115	1	0.028	ppb	22.49	1.00	
118 Sn	115	1	0.114	ppb	14.36	1.00	
121 Sb	115	1	0.168	ppb	3.77	1.00	
137 Ba	115	1	0.024	ppb	12.35	1.00	
205 Tl	165	1	0.054	ppb	12.81	1.00	
208 Pb	165	1	0.032	ppb	2.32	1.00	
232 Th	165	1	0.086	ppb	10.37	1.00	
238 U	165	1	0.032	ppb	4.86	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	714542	2.65	715866	99.8	30 - 120	
45 Sc	1	3307467	1.41	3345645	98.9	30 - 120	
72 Ge	1	2015069	1.55	2000336	100.7	30 - 120	
115 In	1	6345405	0.59	6311330	100.5	30 - 120	
165 Ho	1	12349472	0.66	12325117	100.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\017WASH.D\017WASH.D#
Date Acquired: Apr 2 2012 05:59 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.034 ppb	3.56	1.30	
51 V	72	1	5.480 ppb	1.46	6.50	
52 Cr	72	1	2.149 ppb	1.50	2.60	
55 Mn	72	1	1.060 ppb	0.49	1.30	
59 Co	72	1	1.070 ppb	0.31	1.30	
60 Ni	72	1	2.041 ppb	3.07	2.60	
63 Cu	72	1	2.192 ppb	1.70	2.60	
66 Zn	72	1	10.820 ppb	0.35	13.00	
75 As	72	1	5.141 ppb	0.15	6.50	
78 Se	72	1	5.070 ppb	3.06	6.50	
95 Mo	72	1	2.124 ppb	2.72	2.60	
107 Ag	115	1	5.199 ppb	0.81	6.50	
111 Cd	115	1	1.071 ppb	1.80	1.30	
118 Sn	115	1	10.170 ppb	0.49	13.00	
121 Sb	115	1	2.124 ppb	0.91	2.60	
137 Ba	115	1	1.079 ppb	1.94	1.30	
205 Tl	165	1	1.075 ppb	0.78	1.30	
208 Pb	165	1	1.048 ppb	1.25	1.30	
232 Th	165	1	2.068 ppb	2.49	2.60	
238 U	165	1	1.015 ppb	0.84	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	721197	4.60	715866	100.7	30 - 120	
45 Sc	1	3377514	0.27	3345645	101.0	30 - 120	
72 Ge	1	2015002	0.39	2000336	100.7	30 - 120	
115 In	1	6408096	0.26	6311330	101.5	30 - 120	
165 Ho	1	12539155	0.25	12325117	101.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\018_BLK.D\018_BLK.D#
Date Acquired: Apr 2 2012 06:02 pm
Operator: TEL
Sample Name: mb 280-113764/1-a
Misc Info: BLANK 113764 Soil/DoD4/6020A
Vial Number: 2201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.017 ppb	34.11	2.00	
51 V	72	1	0.012 ppb	114.90	2.00	
52 Cr	72	1	0.045 ppb	26.76	2.00	
55 Mn	72	1	-0.054 ppb	19.39	2.00	
59 Co	72	1	0.012 ppb	17.05	2.00	
60 Ni	72	1	0.240 ppb	5.54	2.00	
63 Cu	72	1	0.124 ppb	4.84	2.00	
66 Zn	72	1	0.297 ppb	4.66	2.00	
75 As	72	1	0.018 ppb	24.67	2.00	
78 Se	72	1	0.104 ppb	65.39	2.00	
95 Mo	72	1	0.031 ppb	27.57	2.00	
107 Ag	115	1	0.011 ppb	12.11	2.00	
111 Cd	115	1	0.034 ppb	19.79	2.00	
118 Sn	115	1	0.088 ppb	11.79	2.00	
121 Sb	115	1	0.064 ppb	4.83	2.00	
137 Ba	115	1	0.334 ppb	1.10	2.00	
205 Tl	165	1	0.023 ppb	6.34	2.00	
208 Pb	165	1	0.028 ppb	3.63	2.00	
232 Th	165	1	0.034 ppb	12.03	2.00	
238 U	165	1	0.017 ppb	12.16	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	707651	1.21	715866	98.9	30 - 120	
45 Sc	1	3376187	1.07	3345645	100.9	30 - 120	
72 Ge	1	2047588	0.74	2000336	102.4	30 - 120	
115 In	1	6438631	1.28	6311330	102.0	30 - 120	
165 Ho	1	12524706	0.75	12325117	101.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\019_LCS.D\019_LCS.D#
Date Acquired: Apr 2 2012 06:05 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113764/2-a
Misc Info: LCS
Vial Number: 2202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	38.89	1.56	40	97.2	80 - 120	
51 V	72	1	42.21	0.78	40	105.5	80 - 120	
52 Cr	72	1	41.68	1.53	40	104.2	80 - 120	
55 Mn	72	1	41.24	1.71	40	103.1	80 - 120	
59 Co	72	1	41.32	2.18	40	103.3	80 - 120	
60 Ni	72	1	39.93	0.82	40	99.8	80 - 120	
63 Cu	72	1	41.45	0.69	40	103.6	80 - 120	
66 Zn	72	1	39.41	1.63	40	98.5	80 - 120	
75 As	72	1	39.37	1.04	40	98.4	80 - 120	
78 Se	72	1	39.61	4.33	40	99.0	80 - 120	
95 Mo	72	1	39.91	1.73	40	99.8	80 - 120	
107 Ag	115	1	40.05	0.59	40	100.1	80 - 120	
111 Cd	115	1	38.73	0.42	40	96.8	80 - 120	
118 Sn	115	1	39.60	1.88	40	99.0	80 - 120	
121 Sb	115	1	39.01	0.77	40	97.5	80 - 120	
137 Ba	115	1	40.23	0.45	40	100.6	80 - 120	
205 Tl	165	1	39.96	2.46	40	99.9	80 - 120	
208 Pb	165	1	39.95	1.92	40	99.9	80 - 120	
232 Th	165	1	39.06	2.16	40	97.7	80 - 120	
238 U	165	1	39.08	1.92	40	97.7	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	727562	1.64	715866	101.6	30 - 120	
45 Sc	1	3404912	1.88	3345645	101.8	30 - 120	
72 Ge	1	2039371	1.39	2000336	102.0	30 - 120	
115 In	1	6498638	0.29	6311330	103.0	30 - 120	
165 Ho	1	12593999	1.43	12325117	102.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\020AREF.D\020AREF.D#
Date Acquired: Apr 2 2012 06:07 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-2-a
Misc Info:
Vial Number: 2203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.76	0.76	ppb	21.88	3600	
51 V	72	1	27.49	27.49	ppb	0.60	3600	
52 Cr	72	1	17.51	17.51	ppb	0.91	3600	
55 Mn	72	1	3,103.00	3103.00	ppb	1.51	18000	
59 Co	72	1	19.75	19.75	ppb	0.57	3600	
60 Ni	72	1	10.19	10.19	ppb	1.70	3600	
63 Cu	72	1	15.03	15.03	ppb	1.12	3600	
66 Zn	72	1	60.47	60.47	ppb	0.89	3600	
75 As	72	1	13.97	13.97	ppb	1.40	3600	
78 Se	72	1	2.05	2.05	ppb	11.24	3600	
95 Mo	72	1	1.79	1.79	ppb	2.11	3600	
107 Ag	115	1	0.09	0.09	ppb	3.36	3600	
111 Cd	115	1	0.34	0.34	ppb	11.54	3600	
118 Sn	115	1	2.24	2.24	ppb	1.47	3600	
121 Sb	115	1	0.12	0.12	ppb	2.17	3600	
137 Ba	115	1	236.70	236.70	ppb	0.78	3600	
205 Tl	165	1	0.47	0.47	ppb	8.28	3600	
208 Pb	165	1	95.11	95.11	ppb	0.54	3600	
232 Th	165	1	4.58	4.58	ppb	0.80	1000	
238 U	165	1	0.86	0.86	ppb	0.76	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	737963	0.48	715866	103.1	30 - 120	
45 Sc	1	3501435	0.54	3345645	104.7	30 - 120	
72 Ge	1	2056435	0.57	2000336	102.8	30 - 120	
115 In	1	6381196	0.29	6311330	101.1	30 - 120	
165 Ho	1	12657580	0.23	12325117	102.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\021SDIL.D\021SDIL.D#
Date Acquired: Apr 2 2012 06:10 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-2-a SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\020AREF.D\020AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.18	ppb	12.12	0.15	116.3	90 - 110	
51 V	72	1	5.36	ppb	1.91	5.50	97.4	90 - 110	
52 Cr	72	1	3.48	ppb	1.37	3.50	99.4	90 - 110	
55 Mn	72	1	615.90	ppb	1.91	620.60	99.2	90 - 110	
59 Co	72	1	3.83	ppb	0.96	3.95	96.9	90 - 110	
60 Ni	72	1	1.99	ppb	2.00	2.04	97.5	90 - 110	
63 Cu	72	1	3.05	ppb	1.57	3.01	101.6	90 - 110	
66 Zn	72	1	12.23	ppb	1.55	12.09	101.1	90 - 110	
75 As	72	1	2.77	ppb	2.10	2.79	99.2	90 - 110	
78 Se	72	1	0.51	ppb	20.79	0.41	124.9	90 - 110	
95 Mo	72	1	0.37	ppb	4.17	0.36	104.1	90 - 110	
107 Ag	115	1	0.02	ppb	19.42	0.02	111.4	90 - 110	
111 Cd	115	1	0.08	ppb	3.58	0.07	110.5	90 - 110	
118 Sn	115	1	0.49	ppb	7.60	0.45	109.5	90 - 110	
121 Sb	115	1	0.04	ppb	1.46	0.02	175.7	90 - 110	
137 Ba	115	1	45.47	ppb	1.10	47.34	96.0	90 - 110	
205 Tl	165	1	0.09	ppb	1.80	0.09	93.5	90 - 110	
208 Pb	165	1	19.48	ppb	0.16	19.02	102.4	90 - 110	
232 Th	165	1	0.90	ppb	0.49	0.92	98.8	90 - 110	
238 U	165	1	0.17	ppb	0.79	0.17	100.1	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	736264	1.90	715866	102.8	30 - 120	
45 Sc	1	3450968	1.31	3345645	103.1	30 - 120	
72 Ge	1	2084332	0.74	2000336	104.2	30 - 120	
115 In	1	6544683	0.61	6311330	103.7	30 - 120	
165 Ho	1	12768172	0.58	12325117	103.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\022PDS.D\022PDS.D#
Date Acquired: Apr 2 2012 06:13 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-2-a PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	191.90	0.76	ppb	1.12	200	95.6	75 - 125	
51 V	72	1	214.80	27.49	ppb	1.35	200	94.4	75 - 125	
52 Cr	72	1	207.40	17.51	ppb	1.90	200	95.4	75 - 125	
55 Mn	72	1	3150.00	3103.00	ppb	1.56	200	95.4	75 - 125	
59 Co	72	1	209.50	19.75	ppb	1.95	200	95.3	75 - 125	
60 Ni	72	1	199.80	10.19	ppb	1.56	200	95.1	75 - 125	
63 Cu	72	1	201.60	15.03	ppb	2.33	200	93.8	75 - 125	
66 Zn	72	1	253.40	60.47	ppb	1.27	200	97.3	75 - 125	
75 As	72	1	206.90	13.97	ppb	1.08	200	96.7	75 - 125	
78 Se	72	1	188.70	2.05	ppb	1.54	200	93.4	75 - 125	
95 Mo	72	1	192.70	1.79	ppb	1.26	200	95.5	75 - 125	
107 Ag	115	1	48.65	0.09	ppb	1.79	50	97.1	75 - 125	
111 Cd	115	1	195.00	0.34	ppb	2.99	200	97.3	75 - 125	
118 Sn	115	1	191.20	2.24	ppb	1.47	200	94.5	75 - 125	
121 Sb	115	1	189.10	0.12	ppb	1.08	200	94.5	75 - 125	
137 Ba	115	1	414.60	236.70	ppb	1.39	200	94.9	75 - 125	
205 Tl	165	1	186.70	0.47	ppb	0.77	200	93.1	75 - 125	
208 Pb	165	1	270.70	95.11	ppb	0.91	200	91.7	75 - 125	
232 Th	165	1	4.30	4.58	ppb	1.57	200	2.1	75 - 125	
238 U	165	1	179.40	0.86	ppb	2.17	200	89.3	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	730061	1.35	715866	102.0	30 - 120	
45 Sc	1	3387163	0.36	3345645	101.2	30 - 120	
72 Ge	1	2002151	0.83	2000336	100.1	30 - 120	
115 In	1	6265401	1.30	6311330	99.3	30 - 120	
165 Ho	1	12522409	1.35	12325117	101.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\023_MS.D\023_MS.D#
Date Acquired: Apr 2 2012 06:16 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-2-b ms
Misc Info: MATRIX SPIKE
Vial Number: 2206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	39.33	0.76	ppb	1.21	40	96.5	50 - 150	
51 V	72	1	63.70	27.49	ppb	3.19	40	94.4	50 - 150	
52 Cr	72	1	55.12	17.51	ppb	1.70	40	95.8	50 - 150	
55 Mn	72	1	2814.00	3103.00	ppb	1.31	40	89.5	50 - 150	
59 Co	72	1	57.04	19.75	ppb	1.09	40	95.5	50 - 150	
60 Ni	72	1	50.12	10.19	ppb	1.33	40	99.9	50 - 150	
63 Cu	72	1	56.13	15.03	ppb	2.46	40	102.0	50 - 150	
66 Zn	72	1	97.71	60.47	ppb	1.39	40	97.3	50 - 150	
75 As	72	1	49.57	13.97	ppb	1.06	40	91.8	50 - 150	
78 Se	72	1	33.29	2.05	ppb	2.68	40	79.2	50 - 150	
95 Mo	72	1	35.88	1.79	ppb	1.27	40	85.9	50 - 150	
107 Ag	115	1	38.92	0.09	ppb	0.93	40	97.1	50 - 150	
111 Cd	115	1	38.26	0.34	ppb	0.46	40	94.8	50 - 150	
118 Sn	115	1	80.87	2.24	ppb	1.34	40	191.5	50 - 150	
121 Sb	115	1	3.77	0.12	ppb	0.77	40	9.4	50 - 150	
137 Ba	115	1	242.70	236.70	ppb	0.97	40	87.7	50 - 150	
205 Tl	165	1	37.71	0.47	ppb	1.61	40	93.2	50 - 150	
208 Pb	165	1	205.00	95.11	ppb	1.86	40	151.7	50 - 150	
232 Th	165	1	40.48	4.58	ppb	3.25	40	90.8	50 - 150	
238 U	165	1	37.10	0.86	ppb	1.97	40	90.8	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	703119	1.96	715866	98.2	30 - 120	
45 Sc	1	3389878	1.05	3345645	101.3	30 - 120	
72 Ge	1	2023843	1.11	2000336	101.2	30 - 120	
115 In	1	6182185	0.46	6311330	98.0	30 - 120	
165 Ho	1	12239970	1.21	12325117	99.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\024_MSD.D\024_MSD.D#
Date Acquired: Apr 2 2012 06:19 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-2-c msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\023_MS.D\023_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	39.04	ppb	2.24	39.33	0.74	20	
51 V	72	1	77.94	ppb	1.77	63.70	20.11	20	
52 Cr	72	1	59.21	ppb	0.82	55.12	7.15	20	
55 Mn	72	1	3582.00	ppb	1.06	2814.00	24.02	20	
59 Co	72	1	60.01	ppb	0.78	57.04	5.07	20	
60 Ni	72	1	48.70	ppb	1.46	50.12	2.87	20	
63 Cu	72	1	53.70	ppb	2.20	56.13	4.43	20	
66 Zn	72	1	104.90	ppb	1.47	97.71	7.10	20	
75 As	72	1	58.78	ppb	0.92	49.57	17.00	20	
78 Se	72	1	37.53	ppb	2.46	33.29	11.97	20	
95 Mo	72	1	35.88	ppb	0.95	35.88	0.00	20	
107 Ag	115	1	38.47	ppb	1.41	38.92	1.16	20	
111 Cd	115	1	38.32	ppb	0.35	38.26	0.16	20	
118 Sn	115	1	19.98	ppb	1.22	80.87	120.75	20	
121 Sb	115	1	3.06	ppb	1.22	3.77	20.64	20	
137 Ba	115	1	270.40	ppb	1.25	242.70	10.80	20	
205 Tl	165	1	37.25	ppb	0.44	37.71	1.23	20	
208 Pb	165	1	245.40	ppb	0.25	205.00	17.94	20	
232 Th	165	1	42.75	ppb	0.95	40.48	5.45	20	
238 U	165	1	37.67	ppb	1.00	37.10	1.52	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	710240	1.50	715866	99.2	30 - 120	
45 Sc	1	3331759	0.56	3345645	99.6	30 - 120	
72 Ge	1	1984398	1.02	2000336	99.2	30 - 120	
115 In	1	6154788	0.76	6311330	97.5	30 - 120	
165 Ho	1	12248551	0.22	12325117	99.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\025SMPL.D\025SMPL.D#
Date Acquired: Apr 2 2012 06:21 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-3-a
Misc Info:
Vial Number: 2208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.71	0.71	ppb	12.74	3600	
51 V	72	1	32.51	32.51	ppb	0.76	3600	
52 Cr	72	1	20.34	20.34	ppb	0.19	3600	
55 Mn	72	1	2,786.00	2786.00	ppb	0.49	18000	
59 Co	72	1	17.33	17.33	ppb	0.43	3600	
60 Ni	72	1	9.65	9.65	ppb	1.59	3600	
63 Cu	72	1	14.97	14.97	ppb	0.44	3600	
66 Zn	72	1	56.32	56.32	ppb	0.18	3600	
75 As	72	1	18.38	18.38	ppb	0.96	3600	
78 Se	72	1	1.86	1.86	ppb	10.24	3600	
95 Mo	72	1	2.11	2.11	ppb	0.54	3600	
107 Ag	115	1	0.09	0.09	ppb	5.47	3600	
111 Cd	115	1	0.35	0.35	ppb	7.11	3600	
118 Sn	115	1	3.27	3.27	ppb	3.25	3600	
121 Sb	115	1	0.11	0.11	ppb	2.85	3600	
137 Ba	115	1	220.30	220.30	ppb	1.99	3600	
205 Tl	165	1	0.38	0.38	ppb	2.76	3600	
208 Pb	165	1	77.99	77.99	ppb	0.99	3600	
232 Th	165	1	4.68	4.68	ppb	1.99	1000	
238 U	165	1	0.82	0.82	ppb	1.32	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	695551	1.41	715866	97.2	30 - 120	
45 Sc	1	3335778	0.59	3345645	99.7	30 - 120	
72 Ge	1	1989520	0.28	2000336	99.5	30 - 120	
115 In	1	6154969	0.63	6311330	97.5	30 - 120	
165 Ho	1	12308066	0.89	12325117	99.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\026SMPL.D\026SMPL.D#
Date Acquired: Apr 2 2012 06:24 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-5-a
Misc Info:
Vial Number: 2209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.29	1.29	ppb	7.20	3600	
51 V	72	1	96.48	96.48	ppb	0.37	3600	
52 Cr	72	1	84.92	84.92	ppb	0.99	3600	
55 Mn	72	1	3,607.00	3607.00	ppb	0.81	18000	
59 Co	72	1	21.58	21.58	ppb	0.65	3600	
60 Ni	72	1	12.89	12.89	ppb	2.05	3600	
63 Cu	72	1	13.05	13.05	ppb	0.98	3600	
66 Zn	72	1	65.42	65.42	ppb	0.61	3600	
75 As	72	1	39.46	39.46	ppb	0.41	3600	
78 Se	72	1	2.42	2.42	ppb	2.98	3600	
95 Mo	72	1	3.03	3.03	ppb	0.12	3600	
107 Ag	115	1	0.11	0.11	ppb	3.75	3600	
111 Cd	115	1	0.62	0.62	ppb	4.10	3600	
118 Sn	115	1	0.27	0.27	ppb	1.57	3600	
121 Sb	115	1	0.24	0.24	ppb	2.12	3600	
137 Ba	115	1	196.70	196.70	ppb	2.31	3600	
205 Tl	165	1	0.48	0.48	ppb	1.24	3600	
208 Pb	165	1	51.84	51.84	ppb	0.55	3600	
232 Th	165	1	12.54	12.54	ppb	1.87	1000	
238 U	165	1	1.01	1.01	ppb	1.03	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	696130	0.74	715866	97.2	30 - 120	
45 Sc	1	3278956	1.15	3345645	98.0	30 - 120	
72 Ge	1	1967511	0.31	2000336	98.4	30 - 120	
115 In	1	6102151	1.52	6311330	96.7	30 - 120	
165 Ho	1	11982742	0.16	12325117	97.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\027SMPL.D\027SMPL.D#
Date Acquired: Apr 2 2012 06:27 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-6-a
Misc Info:
Vial Number: 2210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.89	0.89	ppb	6.13	3600	
51 V	72	1	32.08	32.08	ppb	0.51	3600	
52 Cr	72	1	24.53	24.53	ppb	2.67	3600	
55 Mn	72	1	2,754.00	2754.00	ppb	2.11	18000	
59 Co	72	1	25.04	25.04	ppb	0.89	3600	
60 Ni	72	1	13.97	13.97	ppb	0.40	3600	
63 Cu	72	1	16.76	16.76	ppb	0.72	3600	
66 Zn	72	1	40.95	40.95	ppb	1.23	3600	
75 As	72	1	15.90	15.90	ppb	1.99	3600	
78 Se	72	1	2.49	2.49	ppb	10.86	3600	
95 Mo	72	1	2.05	2.05	ppb	1.32	3600	
107 Ag	115	1	0.11	0.11	ppb	3.69	3600	
111 Cd	115	1	0.23	0.23	ppb	2.76	3600	
118 Sn	115	1	0.16	0.16	ppb	5.73	3600	
121 Sb	115	1	0.07	0.07	ppb	3.09	3600	
137 Ba	115	1	106.50	106.50	ppb	1.67	3600	
205 Tl	165	1	0.40	0.40	ppb	1.59	3600	
208 Pb	165	1	43.40	43.40	ppb	1.02	3600	
232 Th	165	1	5.21	5.21	ppb	1.57	1000	
238 U	165	1	0.90	0.90	ppb	1.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	699036	3.04	715866	97.6	30 - 120	
45 Sc	1	3353850	0.35	3345645	100.2	30 - 120	
72 Ge	1	2002648	0.17	2000336	100.1	30 - 120	
115 In	1	6130610	0.83	6311330	97.1	30 - 120	
165 Ho	1	12298826	0.39	12325117	99.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\028_CCV.D\028_CCV.D#
Date Acquired: Apr 2 2012 06:30 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.17	ppb	1.44	50	102.3	90 - 110	
51 V	72	1	52.80	ppb	2.67	50	105.6	90 - 110	
52 Cr	72	1	52.20	ppb	2.59	50	104.4	90 - 110	
55 Mn	72	1	52.16	ppb	2.57	50	104.3	90 - 110	
59 Co	72	1	52.09	ppb	1.70	50	104.2	90 - 110	
60 Ni	72	1	50.40	ppb	0.83	50	100.8	90 - 110	
63 Cu	72	1	52.34	ppb	0.47	50	104.7	90 - 110	
66 Zn	72	1	50.77	ppb	1.41	50	101.5	90 - 110	
75 As	72	1	51.25	ppb	1.23	50	102.5	90 - 110	
78 Se	72	1	51.68	ppb	2.93	50	103.4	90 - 110	
95 Mo	72	1	50.16	ppb	0.96	50	100.3	90 - 110	
107 Ag	115	1	51.31	ppb	0.73	50	102.6	90 - 110	
111 Cd	115	1	50.85	ppb	0.31	50	101.7	90 - 110	
118 Sn	115	1	51.62	ppb	1.29	50	103.2	90 - 110	
121 Sb	115	1	51.12	ppb	1.51	50	102.2	90 - 110	
137 Ba	115	1	51.16	ppb	0.75	50	102.3	90 - 110	
205 Tl	165	1	49.89	ppb	0.18	50	99.8	90 - 110	
208 Pb	165	1	50.17	ppb	0.69	50	100.3	90 - 110	
232 Th	165	1	49.17	ppb	0.96	50	98.3	90 - 110	
238 U	165	1	48.31	ppb	1.68	50	96.6	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	695677	0.75	715866	97.2	30 - 120	
45 Sc	1	3339322	1.08	3345645	99.8	30 - 120	
72 Ge	1	2034199	0.91	2000336	101.7	30 - 120	
115 In	1	6373538	0.13	6311330	101.0	30 - 120	
165 Ho	1	12473464	0.89	12325117	101.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\029_CCB.D\029_CCB.D#
Date Acquired: Apr 2 2012 06:33 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.007	ppb	86.61	1.00	
51 V	72	1	0.013	ppb	10.12	1.00	
52 Cr	72	1	0.018	ppb	24.16	1.00	
55 Mn	72	1	0.077	ppb	13.71	1.00	
59 Co	72	1	0.008	ppb	18.92	1.00	
60 Ni	72	1	0.016	ppb	59.70	1.00	
63 Cu	72	1	0.003	ppb	115.46	1.00	
66 Zn	72	1	0.040	ppb	9.23	1.00	
75 As	72	1	0.016	ppb	9.41	1.00	
78 Se	72	1	0.326	ppb	37.71	1.00	
95 Mo	72	1	0.022	ppb	26.82	1.00	
107 Ag	115	1	0.013	ppb	17.23	1.00	
111 Cd	115	1	0.006	ppb	209.46	1.00	
118 Sn	115	1	0.046	ppb	14.82	1.00	
121 Sb	115	1	0.051	ppb	5.63	1.00	
137 Ba	115	1	0.013	ppb	33.50	1.00	
205 Tl	165	1	0.030	ppb	14.48	1.00	
208 Pb	165	1	0.015	ppb	8.36	1.00	
232 Th	165	1	0.040	ppb	12.13	1.00	
238 U	165	1	0.009	ppb	15.98	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	706098	1.59	715866	98.6	30 - 120	
45 Sc	1	3409994	0.27	3345645	101.9	30 - 120	
72 Ge	1	2051089	1.45	2000336	102.5	30 - 120	
115 In	1	6446720	0.60	6311330	102.1	30 - 120	
165 Ho	1	12366610	1.00	12325117	100.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\030WASH.D\030WASH.D#
Date Acquired: Apr 2 2012 06:36 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.053 ppb	4.57	1.30	
51 V	72	1	5.540 ppb	2.08	6.50	
52 Cr	72	1	2.172 ppb	3.06	2.60	
55 Mn	72	1	1.143 ppb	1.72	1.30	
59 Co	72	1	1.082 ppb	0.48	1.30	
60 Ni	72	1	2.080 ppb	1.52	2.60	
63 Cu	72	1	2.235 ppb	0.18	2.60	
66 Zn	72	1	10.900 ppb	1.38	13.00	
75 As	72	1	5.253 ppb	0.64	6.50	
78 Se	72	1	5.121 ppb	2.77	6.50	
95 Mo	72	1	2.079 ppb	0.79	2.60	
107 Ag	115	1	5.176 ppb	2.03	6.50	
111 Cd	115	1	1.074 ppb	0.94	1.30	
118 Sn	115	1	10.250 ppb	1.12	13.00	
121 Sb	115	1	2.061 ppb	0.85	2.60	
137 Ba	115	1	1.077 ppb	1.73	1.30	
205 Tl	165	1	1.052 ppb	1.61	1.30	
208 Pb	165	1	1.028 ppb	0.36	1.30	
232 Th	165	1	2.039 ppb	2.24	2.60	
238 U	165	1	0.984 ppb	1.52	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	705607	1.47	715866	98.6	30 - 120	
45 Sc	1	3469983	1.41	3345645	103.7	30 - 120	
72 Ge	1	2060557	0.43	2000336	103.0	30 - 120	
115 In	1	6512206	1.81	6311330	103.2	30 - 120	
165 Ho	1	12572520	0.75	12325117	102.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\031SMPL.D\031SMPL.D#
Date Acquired: Apr 2 2012 06:39 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-7-a
Misc Info:
Vial Number: 2211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.64	0.64	ppb	15.34	3600	
51 V	72	1	25.43	25.43	ppb	1.91	3600	
52 Cr	72	1	11.96	11.96	ppb	0.71	3600	
55 Mn	72	1	619.80	619.80	ppb	0.25	18000	
59 Co	72	1	8.66	8.66	ppb	0.59	3600	
60 Ni	72	1	7.07	7.07	ppb	1.70	3600	
63 Cu	72	1	8.13	8.13	ppb	1.41	3600	
66 Zn	72	1	37.03	37.03	ppb	1.23	3600	
75 As	72	1	8.11	8.11	ppb	0.99	3600	
78 Se	72	1	1.28	1.28	ppb	6.09	3600	
95 Mo	72	1	0.96	0.96	ppb	1.74	3600	
107 Ag	115	1	0.06	0.06	ppb	9.10	3600	
111 Cd	115	1	0.15	0.15	ppb	5.85	3600	
118 Sn	115	1	0.22	0.22	ppb	3.48	3600	
121 Sb	115	1	0.07	0.07	ppb	2.21	3600	
137 Ba	115	1	67.91	67.91	ppb	1.01	3600	
205 Tl	165	1	0.17	0.17	ppb	3.78	3600	
208 Pb	165	1	28.91	28.91	ppb	1.52	3600	
232 Th	165	1	3.00	3.00	ppb	0.39	1000	
238 U	165	1	0.43	0.43	ppb	1.38	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	719274	0.92	715866	100.5	30 - 120	
45 Sc	1	3502539	1.11	3345645	104.7	30 - 120	
72 Ge	1	2093927	1.25	2000336	104.7	30 - 120	
115 In	1	6416738	1.13	6311330	101.7	30 - 120	
165 Ho	1	12492024	1.64	12325117	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\032SMPL.D\032SMPL.D#
Date Acquired: Apr 2 2012 06:42 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-8-a
Misc Info:
Vial Number: 2212
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.61	0.61	ppb	13.25	3600	
51 V	72	1	39.19	39.19	ppb	1.68	3600	
52 Cr	72	1	17.24	17.24	ppb	0.94	3600	
55 Mn	72	1	532.40	532.40	ppb	1.12	18000	
59 Co	72	1	9.60	9.60	ppb	2.00	3600	
60 Ni	72	1	11.44	11.44	ppb	1.87	3600	
63 Cu	72	1	14.82	14.82	ppb	1.59	3600	
66 Zn	72	1	52.07	52.07	ppb	1.86	3600	
75 As	72	1	14.44	14.44	ppb	0.81	3600	
78 Se	72	1	1.60	1.60	ppb	8.13	3600	
95 Mo	72	1	1.60	1.60	ppb	2.62	3600	
107 Ag	115	1	0.10	0.10	ppb	0.74	3600	
111 Cd	115	1	0.16	0.16	ppb	12.52	3600	
118 Sn	115	1	0.18	0.18	ppb	10.05	3600	
121 Sb	115	1	0.05	0.05	ppb	4.22	3600	
137 Ba	115	1	91.32	91.32	ppb	1.92	3600	
205 Tl	165	1	0.45	0.45	ppb	0.19	3600	
208 Pb	165	1	41.69	41.69	ppb	1.05	3600	
232 Th	165	1	5.84	5.84	ppb	1.38	1000	
238 U	165	1	0.95	0.95	ppb	3.20	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	730071	0.62	715866	102.0	30 - 120	
45 Sc	1	3477417	0.64	3345645	103.9	30 - 120	
72 Ge	1	2051089	1.61	2000336	102.5	30 - 120	
115 In	1	6351010	1.65	6311330	100.6	30 - 120	
165 Ho	1	12339701	0.56	12325117	100.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\033SMPL.D\033SMPL.D#
Date Acquired: Apr 2 2012 06:45 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-9-a
Misc Info:
Vial Number: 2301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.22	0.22	ppb	7.85	3600	
51 V	72	1	23.44	23.44	ppb	0.49	3600	
52 Cr	72	1	10.37	10.37	ppb	0.42	3600	
55 Mn	72	1	104.30	104.30	ppb	1.12	18000	
59 Co	72	1	2.55	2.55	ppb	0.96	3600	
60 Ni	72	1	7.09	7.09	ppb	1.33	3600	
63 Cu	72	1	12.44	12.44	ppb	1.50	3600	
66 Zn	72	1	27.24	27.24	ppb	0.35	3600	
75 As	72	1	8.91	8.91	ppb	0.41	3600	
78 Se	72	1	1.14	1.14	ppb	14.28	3600	
95 Mo	72	1	1.12	1.12	ppb	2.81	3600	
107 Ag	115	1	0.08	0.08	ppb	0.38	3600	
111 Cd	115	1	0.05	0.05	ppb	21.49	3600	
118 Sn	115	1	0.17	0.17	ppb	8.50	3600	
121 Sb	115	1	0.05	0.05	ppb	4.17	3600	
137 Ba	115	1	43.62	43.62	ppb	1.12	3600	
205 Tl	165	1	0.25	0.25	ppb	0.46	3600	
208 Pb	165	1	25.11	25.11	ppb	0.96	3600	
232 Th	165	1	3.96	3.96	ppb	0.96	1000	
238 U	165	1	0.58	0.58	ppb	2.10	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	722809	1.11	715866	101.0	30 - 120	
45 Sc	1	3452867	2.10	3345645	103.2	30 - 120	
72 Ge	1	2061254	0.66	2000336	103.0	30 - 120	
115 In	1	6433683	0.28	6311330	101.9	30 - 120	
165 Ho	1	12525409	1.01	12325117	101.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\034SMPL.D\034SMPL.D#
Date Acquired: Apr 2 2012 06:47 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-10-a
Misc Info:
Vial Number: 2302
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.55	0.55	ppb	10.98	3600	
51 V	72	1	25.81	25.81	ppb	3.87	3600	
52 Cr	72	1	11.75	11.75	ppb	2.55	3600	
55 Mn	72	1	85.49	85.49	ppb	2.58	18000	
59 Co	72	1	2.85	2.85	ppb	0.83	3600	
60 Ni	72	1	7.70	7.70	ppb	1.31	3600	
63 Cu	72	1	9.15	9.15	ppb	1.48	3600	
66 Zn	72	1	30.91	30.91	ppb	1.91	3600	
75 As	72	1	9.09	9.09	ppb	1.84	3600	
78 Se	72	1	1.17	1.17	ppb	26.32	3600	
95 Mo	72	1	1.00	1.00	ppb	4.17	3600	
107 Ag	115	1	0.06	0.06	ppb	10.24	3600	
111 Cd	115	1	0.08	0.08	ppb	14.61	3600	
118 Sn	115	1	0.11	0.11	ppb	11.88	3600	
121 Sb	115	1	0.03	0.03	ppb	6.93	3600	
137 Ba	115	1	58.87	58.87	ppb	0.50	3600	
205 Tl	165	1	0.26	0.26	ppb	2.32	3600	
208 Pb	165	1	19.29	19.29	ppb	1.02	3600	
232 Th	165	1	4.75	4.75	ppb	0.46	1000	
238 U	165	1	0.75	0.75	ppb	1.31	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	739239	1.13	715866	103.3	30 - 120	
45 Sc	1	3597620	2.34	3345645	107.5	30 - 120	
72 Ge	1	2220557	1.03	2000336	111.0	30 - 120	
115 In	1	6472463	0.58	6311330	102.6	30 - 120	
165 Ho	1	12565295	0.94	12325117	101.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\035SMPL.D\035SMPL.D#
Date Acquired: Apr 2 2012 06:50 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-12-a
Misc Info:
Vial Number: 2303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.67	0.67	ppb	1.69	3600	
51 V	72	1	60.50	60.50	ppb	1.57	3600	
52 Cr	72	1	43.27	43.27	ppb	0.91	3600	
55 Mn	72	1	1,155.00	1155.00	ppb	0.35	18000	
59 Co	72	1	7.89	7.89	ppb	0.30	3600	
60 Ni	72	1	10.34	10.34	ppb	1.06	3600	
63 Cu	72	1	14.56	14.56	ppb	0.40	3600	
66 Zn	72	1	36.79	36.79	ppb	0.27	3600	
75 As	72	1	41.92	41.92	ppb	0.09	3600	
78 Se	72	1	1.17	1.17	ppb	17.64	3600	
95 Mo	72	1	2.94	2.94	ppb	1.25	3600	
107 Ag	115	1	0.06	0.06	ppb	2.77	3600	
111 Cd	115	1	0.24	0.24	ppb	6.85	3600	
118 Sn	115	1	0.26	0.26	ppb	4.94	3600	
121 Sb	115	1	0.11	0.11	ppb	5.02	3600	
137 Ba	115	1	79.58	79.58	ppb	0.67	3600	
205 Tl	165	1	0.32	0.32	ppb	0.96	3600	
208 Pb	165	1	42.44	42.44	ppb	0.53	3600	
232 Th	165	1	6.68	6.68	ppb	1.01	1000	
238 U	165	1	0.72	0.72	ppb	1.91	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	739721	2.82	715866	103.3	30 - 120	
45 Sc	1	3570349	0.56	3345645	106.7	30 - 120	
72 Ge	1	2224832	0.57	2000336	111.2	30 - 120	
115 In	1	6417767	1.05	6311330	101.7	30 - 120	
165 Ho	1	12274631	0.99	12325117	99.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\036SMPL.D\036SMPL.D#
Date Acquired: Apr 2 2012 06:53 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-13-a
Misc Info:
Vial Number: 2304
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.52	0.52	ppb	16.92	3600	
51 V	72	1	31.41	31.41	ppb	0.45	3600	
52 Cr	72	1	14.20	14.20	ppb	0.46	3600	
55 Mn	72	1	1,176.00	1176.00	ppb	0.75	18000	
59 Co	72	1	7.27	7.27	ppb	0.77	3600	
60 Ni	72	1	7.42	7.42	ppb	1.68	3600	
63 Cu	72	1	12.33	12.33	ppb	0.70	3600	
66 Zn	72	1	34.85	34.85	ppb	0.21	3600	
75 As	72	1	21.88	21.88	ppb	0.25	3600	
78 Se	72	1	1.06	1.06	ppb	16.89	3600	
95 Mo	72	1	2.02	2.02	ppb	0.39	3600	
107 Ag	115	1	0.04	0.04	ppb	15.56	3600	
111 Cd	115	1	0.08	0.08	ppb	35.58	3600	
118 Sn	115	1	0.25	0.25	ppb	2.81	3600	
121 Sb	115	1	0.05	0.05	ppb	10.39	3600	
137 Ba	115	1	74.91	74.91	ppb	0.35	3600	
205 Tl	165	1	0.33	0.33	ppb	0.32	3600	
208 Pb	165	1	27.75	27.75	ppb	2.43	3600	
232 Th	165	1	4.28	4.28	ppb	1.90	1000	
238 U	165	1	0.65	0.65	ppb	1.11	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	729903	1.40	715866	102.0	30 - 120	
45 Sc	1	3558543	1.63	3345645	106.4	30 - 120	
72 Ge	1	2184177	0.64	2000336	109.2	30 - 120	
115 In	1	6414130	1.10	6311330	101.6	30 - 120	
165 Ho	1	12403724	0.44	12325117	100.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\037SMPL.D\037SMPL.D#
Date Acquired: Apr 2 2012 06:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-15-a
Misc Info:
Vial Number: 2305
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.85	0.85	ppb	13.56	3600	
51 V	72	1	28.81	28.81	ppb	2.19	3600	
52 Cr	72	1	14.22	14.22	ppb	0.95	3600	
55 Mn	72	1	1,056.00	1056.00	ppb	0.74	18000	
59 Co	72	1	9.16	9.16	ppb	1.83	3600	
60 Ni	72	1	7.48	7.48	ppb	1.67	3600	
63 Cu	72	1	13.64	13.64	ppb	1.29	3600	
66 Zn	72	1	52.35	52.35	ppb	1.27	3600	
75 As	72	1	12.44	12.44	ppb	1.27	3600	
78 Se	72	1	1.61	1.61	ppb	2.56	3600	
95 Mo	72	1	1.25	1.25	ppb	2.02	3600	
107 Ag	115	1	0.09	0.09	ppb	6.87	3600	
111 Cd	115	1	0.11	0.11	ppb	15.25	3600	
118 Sn	115	1	0.20	0.20	ppb	11.65	3600	
121 Sb	115	1	0.07	0.07	ppb	4.03	3600	
137 Ba	115	1	101.40	101.40	ppb	0.79	3600	
205 Tl	165	1	0.38	0.38	ppb	1.06	3600	
208 Pb	165	1	58.50	58.50	ppb	1.60	3600	
232 Th	165	1	4.93	4.93	ppb	1.45	1000	
238 U	165	1	0.65	0.65	ppb	1.32	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	734966	3.35	715866	102.7	30 - 120	
45 Sc	1	3526888	1.13	3345645	105.4	30 - 120	
72 Ge	1	2203174	1.51	2000336	110.1	30 - 120	
115 In	1	6395990	0.28	6311330	101.3	30 - 120	
165 Ho	1	12273681	1.14	12325117	99.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\038SMPL.D\038SMPL.D#
Date Acquired: Apr 2 2012 06:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-16-a
Misc Info:
Vial Number: 2306
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.77	0.77	ppb	10.23	3600	
51 V	72	1	55.85	55.85	ppb	2.64	3600	
52 Cr	72	1	54.20	54.20	ppb	1.93	3600	
55 Mn	72	1	994.90	994.90	ppb	1.48	18000	
59 Co	72	1	9.99	9.99	ppb	1.82	3600	
60 Ni	72	1	9.62	9.62	ppb	1.22	3600	
63 Cu	72	1	11.18	11.18	ppb	1.47	3600	
66 Zn	72	1	41.50	41.50	ppb	1.88	3600	
75 As	72	1	36.85	36.85	ppb	1.76	3600	
78 Se	72	1	1.95	1.95	ppb	5.62	3600	
95 Mo	72	1	1.85	1.85	ppb	2.51	3600	
107 Ag	115	1	0.07	0.07	ppb	2.21	3600	
111 Cd	115	1	0.31	0.31	ppb	17.57	3600	
118 Sn	115	1	0.18	0.18	ppb	3.86	3600	
121 Sb	115	1	0.06	0.06	ppb	4.27	3600	
137 Ba	115	1	96.03	96.03	ppb	0.89	3600	
205 Tl	165	1	0.32	0.32	ppb	2.04	3600	
208 Pb	165	1	32.90	32.90	ppb	0.54	3600	
232 Th	165	1	7.22	7.22	ppb	1.24	1000	
238 U	165	1	1.00	1.00	ppb	0.98	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	722689	1.57	715866	101.0	30 - 120	
45 Sc	1	3443330	0.51	3345645	102.9	30 - 120	
72 Ge	1	2067364	1.53	2000336	103.4	30 - 120	
115 In	1	6369168	0.60	6311330	100.9	30 - 120	
165 Ho	1	12217797	0.82	12325117	99.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\039SMPL.D\039SMPL.D#
Date Acquired: Apr 2 2012 07:02 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-17-a
Misc Info:
Vial Number: 2307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.65	0.65	ppb	13.17	3600	
51 V	72	1	32.71	32.71	ppb	1.47	3600	
52 Cr	72	1	14.40	14.40	ppb	1.18	3600	
55 Mn	72	1	161.50	161.50	ppb	1.00	18000	
59 Co	72	1	4.27	4.27	ppb	0.70	3600	
60 Ni	72	1	8.05	8.05	ppb	1.19	3600	
63 Cu	72	1	15.10	15.10	ppb	0.62	3600	
66 Zn	72	1	25.67	25.67	ppb	0.12	3600	
75 As	72	1	15.50	15.50	ppb	0.58	3600	
78 Se	72	1	1.71	1.71	ppb	16.90	3600	
95 Mo	72	1	2.11	2.11	ppb	2.08	3600	
107 Ag	115	1	0.09	0.09	ppb	2.07	3600	
111 Cd	115	1	0.12	0.12	ppb	18.93	3600	
118 Sn	115	1	0.13	0.13	ppb	2.17	3600	
121 Sb	115	1	0.02	0.02	ppb	15.79	3600	
137 Ba	115	1	55.41	55.41	ppb	0.26	3600	
205 Tl	165	1	0.25	0.25	ppb	1.07	3600	
208 Pb	165	1	26.72	26.72	ppb	0.62	3600	
232 Th	165	1	4.63	4.63	ppb	2.20	1000	
238 U	165	1	0.98	0.98	ppb	0.61	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	708674	0.28	715866	99.0	30 - 120	
45 Sc	1	3470144	1.15	3345645	103.7	30 - 120	
72 Ge	1	2055117	0.19	2000336	102.7	30 - 120	
115 In	1	6390808	0.51	6311330	101.3	30 - 120	
165 Ho	1	12344007	0.47	12325117	100.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\040SMPL.D\040SMPL.D#
Date Acquired: Apr 2 2012 07:05 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27163-b-18-a
Misc Info:
Vial Number: 2308
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.82	0.82	ppb	8.15	3600	
51 V	72	1	46.91	46.91	ppb	2.50	3600	
52 Cr	72	1	19.66	19.66	ppb	1.53	3600	
55 Mn	72	1	1,534.00	1534.00	ppb	2.52	18000	
59 Co	72	1	24.42	24.42	ppb	0.43	3600	
60 Ni	72	1	9.01	9.01	ppb	1.27	3600	
63 Cu	72	1	16.55	16.55	ppb	1.20	3600	
66 Zn	72	1	28.92	28.92	ppb	1.38	3600	
75 As	72	1	23.61	23.61	ppb	1.64	3600	
78 Se	72	1	2.46	2.46	ppb	8.54	3600	
95 Mo	72	1	2.14	2.14	ppb	3.21	3600	
107 Ag	115	1	0.10	0.10	ppb	3.74	3600	
111 Cd	115	1	0.22	0.22	ppb	12.49	3600	
118 Sn	115	1	0.15	0.15	ppb	7.52	3600	
121 Sb	115	1	0.07	0.07	ppb	2.98	3600	
137 Ba	115	1	78.62	78.62	ppb	0.36	3600	
205 Tl	165	1	0.35	0.35	ppb	1.54	3600	
208 Pb	165	1	43.57	43.57	ppb	0.34	3600	
232 Th	165	1	4.84	4.84	ppb	1.34	1000	
238 U	165	1	1.15	1.15	ppb	0.18	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	719929	2.11	715866	100.6	30 - 120	
45 Sc	1	3487595	0.86	3345645	104.2	30 - 120	
72 Ge	1	2075536	1.62	2000336	103.8	30 - 120	
115 In	1	6361783	0.42	6311330	100.8	30 - 120	
165 Ho	1	12376370	0.15	12325117	100.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\041_CCV.D\041_CCV.D#
Date Acquired: Apr 2 2012 07:08 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.02	ppb	4.73	50	104.0	90 - 110	
51 V	72	1	53.33	ppb	2.14	50	106.7	90 - 110	
52 Cr	72	1	53.11	ppb	1.60	50	106.2	90 - 110	
55 Mn	72	1	52.03	ppb	0.94	50	104.1	90 - 110	
59 Co	72	1	52.06	ppb	2.05	50	104.1	90 - 110	
60 Ni	72	1	50.31	ppb	1.19	50	100.6	90 - 110	
63 Cu	72	1	52.45	ppb	0.78	50	104.9	90 - 110	
66 Zn	72	1	50.85	ppb	0.84	50	101.7	90 - 110	
75 As	72	1	51.44	ppb	0.08	50	102.9	90 - 110	
78 Se	72	1	51.53	ppb	3.83	50	103.1	90 - 110	
95 Mo	72	1	50.19	ppb	0.48	50	100.4	90 - 110	
107 Ag	115	1	52.61	ppb	0.42	50	105.2	90 - 110	
111 Cd	115	1	50.98	ppb	0.39	50	102.0	90 - 110	
118 Sn	115	1	51.91	ppb	1.76	50	103.8	90 - 110	
121 Sb	115	1	52.06	ppb	1.36	50	104.1	90 - 110	
137 Ba	115	1	51.56	ppb	1.01	50	103.1	90 - 110	
205 Tl	165	1	50.13	ppb	1.42	50	100.3	90 - 110	
208 Pb	165	1	50.15	ppb	0.92	50	100.3	90 - 110	
232 Th	165	1	49.35	ppb	2.01	50	98.7	90 - 110	
238 U	165	1	47.74	ppb	1.02	50	95.5	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	705032	3.16	715866	98.5	30 - 120	
45 Sc	1	3479382	0.41	3345645	104.0	30 - 120	
72 Ge	1	2106069	1.12	2000336	105.3	30 - 120	
115 In	1	6494923	0.57	6311330	102.9	30 - 120	
165 Ho	1	12596032	0.49	12325117	102.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\042_CCB.D\042_CCB.D#
Date Acquired: Apr 2 2012 07:10 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.010	ppb	99.80	1.00	
51 V	72	1	0.015	ppb	74.81	1.00	
52 Cr	72	1	0.017	ppb	37.80	1.00	
55 Mn	72	1	-0.018	ppb	20.32	1.00	
59 Co	72	1	0.006	ppb	16.84	1.00	
60 Ni	72	1	0.012	ppb	45.80	1.00	
63 Cu	72	1	0.011	ppb	35.92	1.00	
66 Zn	72	1	0.081	ppb	8.97	1.00	
75 As	72	1	0.015	ppb	67.58	1.00	
78 Se	72	1	0.180	ppb	15.96	1.00	
95 Mo	72	1	0.023	ppb	29.62	1.00	
107 Ag	115	1	0.013	ppb	33.12	1.00	
111 Cd	115	1	-0.001	ppb	653.15	1.00	
118 Sn	115	1	0.041	ppb	13.56	1.00	
121 Sb	115	1	0.045	ppb	7.43	1.00	
137 Ba	115	1	0.012	ppb	32.93	1.00	
205 Tl	165	1	0.027	ppb	16.48	1.00	
208 Pb	165	1	0.014	ppb	16.40	1.00	
232 Th	165	1	0.042	ppb	21.84	1.00	
238 U	165	1	0.007	ppb	25.98	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	713578	2.07	715866	99.7	30 - 120	
45 Sc	1	3503468	2.23	3345645	104.7	30 - 120	
72 Ge	1	2116217	0.99	2000336	105.8	30 - 120	
115 In	1	6532301	0.41	6311330	103.5	30 - 120	
165 Ho	1	12556685	0.69	12325117	101.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\043WASH.D\043WASH.D#
Date Acquired: Apr 2 2012 07:13 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.052 ppb	10.90	1.30	
51 V	72	1	5.545 ppb	1.77	6.50	
52 Cr	72	1	2.128 ppb	1.62	2.60	
55 Mn	72	1	1.084 ppb	1.78	1.30	
59 Co	72	1	1.081 ppb	3.16	1.30	
60 Ni	72	1	2.072 ppb	1.40	2.60	
63 Cu	72	1	2.213 ppb	1.66	2.60	
66 Zn	72	1	10.760 ppb	0.54	13.00	
75 As	72	1	5.207 ppb	1.21	6.50	
78 Se	72	1	5.599 ppb	7.18	6.50	
95 Mo	72	1	2.064 ppb	3.31	2.60	
107 Ag	115	1	5.200 ppb	2.11	6.50	
111 Cd	115	1	1.053 ppb	4.26	1.30	
118 Sn	115	1	10.230 ppb	0.79	13.00	
121 Sb	115	1	2.069 ppb	0.57	2.60	
137 Ba	115	1	1.063 ppb	1.46	1.30	
205 Tl	165	1	1.064 ppb	0.30	1.30	
208 Pb	165	1	1.033 ppb	0.60	1.30	
232 Th	165	1	2.034 ppb	2.59	2.60	
238 U	165	1	0.991 ppb	1.10	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	718014	1.35	715866	100.3	30 - 120	
45 Sc	1	3600939	0.89	3345645	107.6	30 - 120	
72 Ge	1	2132658	1.68	2000336	106.6	30 - 120	
115 In	1	6632853	1.57	6311330	105.1	30 - 120	
165 Ho	1	12585660	0.58	12325117	102.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\044_BLK.D\044_BLK.D#
Date Acquired: Apr 2 2012 07:16 pm
Operator: TEL
Sample Name: mb 280-113654/1-a
Misc Info: BLANK 113654 Soil/DoD4/6020A
Vial Number: 2309
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.003 ppb	173.23	2.00	
51 V	72	1	0.019 ppb	89.44	2.00	
52 Cr	72	1	0.056 ppb	12.69	2.00	
55 Mn	72	1	0.004 ppb	33.10	2.00	
59 Co	72	1	0.003 ppb	5.25	2.00	
60 Ni	72	1	0.049 ppb	14.66	2.00	
63 Cu	72	1	0.169 ppb	9.73	2.00	
66 Zn	72	1	0.511 ppb	1.81	2.00	
75 As	72	1	0.016 ppb	33.97	2.00	
78 Se	72	1	0.229 ppb	81.79	2.00	
95 Mo	72	1	0.006 ppb	40.77	2.00	
107 Ag	115	1	0.005 ppb	17.77	2.00	
111 Cd	115	1	0.020 ppb	28.92	2.00	
118 Sn	115	1	0.067 ppb	6.20	2.00	
121 Sb	115	1	0.012 ppb	10.72	2.00	
137 Ba	115	1	0.161 ppb	6.83	2.00	
205 Tl	165	1	0.007 ppb	14.37	2.00	
208 Pb	165	1	0.081 ppb	2.37	2.00	
232 Th	165	1	0.013 ppb	14.57	2.00	
238 U	165	1	0.006 ppb	12.01	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	748142	1.54	715866	104.5	30 - 120	
45 Sc	1	3593937	0.74	3345645	107.4	30 - 120	
72 Ge	1	2147045	1.19	2000336	107.3	30 - 120	
115 In	1	6698751	1.33	6311330	106.1	30 - 120	
165 Ho	1	12675861	0.61	12325117	102.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\045_LCS.D\045_LCS.D#
Date Acquired: Apr 2 2012 07:19 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113654/2-a
Misc Info: LCS
Vial Number: 2310
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	41.15	1.49	40	102.9	80 - 120	
51 V	72	1	42.74	1.37	40	106.9	80 - 120	
52 Cr	72	1	42.95	1.13	40	107.4	80 - 120	
55 Mn	72	1	41.99	0.29	40	105.0	80 - 120	
59 Co	72	1	42.71	0.72	40	106.8	80 - 120	
60 Ni	72	1	40.83	0.26	40	102.1	80 - 120	
63 Cu	72	1	42.50	1.63	40	106.3	80 - 120	
66 Zn	72	1	40.37	0.70	40	100.9	80 - 120	
75 As	72	1	40.69	0.73	40	101.7	80 - 120	
78 Se	72	1	39.99	3.31	40	100.0	80 - 120	
95 Mo	72	1	40.15	0.72	40	100.4	80 - 120	
107 Ag	115	1	41.89	0.83	40	104.7	80 - 120	
111 Cd	115	1	39.93	0.67	40	99.8	80 - 120	
118 Sn	115	1	40.37	0.77	40	100.9	80 - 120	
121 Sb	115	1	39.97	0.84	40	99.9	80 - 120	
137 Ba	115	1	41.54	0.44	40	103.9	80 - 120	
205 Tl	165	1	40.06	1.11	40	100.2	80 - 120	
208 Pb	165	1	41.04	0.85	40	102.6	80 - 120	
232 Th	165	1	38.97	1.33	40	97.4	80 - 120	
238 U	165	1	38.90	0.73	40	97.3	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	730742	0.88	715866	102.1	30 - 120	
45 Sc	1	3579783	1.23	3345645	107.0	30 - 120	
72 Ge	1	2147295	0.58	2000336	107.3	30 - 120	
115 In	1	6665372	0.43	6311330	105.6	30 - 120	
165 Ho	1	12775542	0.33	12325117	103.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\046AREF.D\046AREF.D#
Date Acquired: Apr 2 2012 07:22 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d
Misc Info:
Vial Number: 2311
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.10	ppb	11.40	3600	
51 V	72	1	7.74	7.74	ppb	2.86	3600	
52 Cr	72	1	142.40	142.40	ppb	0.45	3600	
55 Mn	72	1	2,226.00	2226.00	ppb	1.14	18000	
59 Co	72	1	41.09	41.09	ppb	1.48	3600	
60 Ni	72	1	218.20	218.20	ppb	1.04	3600	
63 Cu	72	1	383.50	383.50	ppb	0.69	3600	
66 Zn	72	1	4,314.00	4314.00	ppb	0.63	3600	>LDR
75 As	72	1	45.13	45.13	ppb	1.47	3600	
78 Se	72	1	0.47	0.47	ppb	62.02	3600	
95 Mo	72	1	7.60	7.60	ppb	1.52	3600	
107 Ag	115	1	1.31	1.31	ppb	1.44	3600	
111 Cd	115	1	7.82	7.82	ppb	1.09	3600	
118 Sn	115	1	245.40	245.40	ppb	0.34	3600	
121 Sb	115	1	8.98	8.98	ppb	0.21	3600	
137 Ba	115	1	4,815.00	4815.00	ppb	0.95	3600	>LDR
205 Tl	165	1	0.15	0.15	ppb	9.96	3600	
208 Pb	165	1	1,093.00	1093.00	ppb	0.69	3600	
232 Th	165	1	0.77	0.77	ppb	1.73	1000	
238 U	165	1	0.17	0.17	ppb	1.84	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	652000	1.56	715866	91.1	30 - 120	
45 Sc	1	2839282	0.55	3345645	84.9	30 - 120	
72 Ge	1	2047124	0.71	2000336	102.3	30 - 120	
115 In	1	5479024	0.58	6311330	86.8	30 - 120	
165 Ho	1	11133531	0.50	12325117	90.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

2 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\047SDIL.D\047SDIL.D#
Date Acquired: Apr 2 2012 07:25 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2312
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\046AREF.D\046AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.01	ppb	100.10	0.02	49.1	90 - 110	
51 V	72	1	2.14	ppb	21.32	1.55	138.4	90 - 110	
52 Cr	72	1	33.26	ppb	1.30	28.48	116.8	90 - 110	
55 Mn	72	1	511.40	ppb	1.82	445.20	114.9	90 - 110	
59 Co	72	1	9.49	ppb	1.51	8.22	115.4	90 - 110	
60 Ni	72	1	51.68	ppb	1.27	43.64	118.4	90 - 110	
63 Cu	72	1	94.26	ppb	1.08	76.70	122.9	90 - 110	
66 Zn	72	1	1023.00	ppb	0.16	862.80	118.6	90 - 110	
75 As	72	1	10.42	ppb	0.61	9.03	115.4	90 - 110	
78 Se	72	1	0.20	ppb	40.31	0.09	214.6	90 - 110	
95 Mo	72	1	1.71	ppb	4.82	1.52	112.2	90 - 110	
107 Ag	115	1	0.28	ppb	2.08	0.26	106.8	90 - 110	
111 Cd	115	1	1.65	ppb	1.19	1.56	105.4	90 - 110	
118 Sn	115	1	50.67	ppb	1.58	49.08	103.2	90 - 110	
121 Sb	115	1	1.80	ppb	1.78	1.80	100.4	90 - 110	
137 Ba	115	1	979.70	ppb	0.53	963.00	101.7	90 - 110	
205 Tl	165	1	0.03	ppb	3.70	0.03	97.6	90 - 110	
208 Pb	165	1	221.00	ppb	0.23	218.60	101.1	90 - 110	
232 Th	165	1	0.15	ppb	3.64	0.15	95.7	90 - 110	
238 U	165	1	0.03	ppb	3.31	0.03	96.7	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	704520	1.93	715866	98.4	30 - 120	
45 Sc	1	3251817	0.32	3345645	97.2	30 - 120	
72 Ge	1	2047299	0.71	2000336	102.3	30 - 120	
115 In	1	6092155	0.41	6311330	96.5	30 - 120	
165 Ho	1	12099331	0.14	12325117	98.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\048PDS.D\048PDS.D#
Date Acquired: Apr 2 2012 07:28 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2401
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	178.00	0.10	ppb	1.05	200	89.0	75 - 125	
51 V	72	1	169.60	7.74	ppb	1.97	200	81.6	75 - 125	
52 Cr	72	1	300.50	142.40	ppb	2.06	200	87.8	75 - 125	
55 Mn	72	1	2273.00	2226.00	ppb	2.06	200	93.7	75 - 125	
59 Co	72	1	199.40	41.09	ppb	0.37	200	82.7	75 - 125	
60 Ni	72	1	362.70	218.20	ppb	1.10	200	86.7	75 - 125	
63 Cu	72	1	528.30	383.50	ppb	0.96	200	90.5	75 - 125	
66 Zn	72	1	4316.00	4314.00	ppb	0.80	200	95.6	75 - 125	
75 As	72	1	202.60	45.13	ppb	1.00	200	82.7	75 - 125	
78 Se	72	1	144.90	0.47	ppb	0.94	200	72.3	75 - 125	
95 Mo	72	1	180.20	7.60	ppb	1.06	200	86.8	75 - 125	
107 Ag	115	1	48.38	1.31	ppb	2.22	50	94.3	75 - 125	
111 Cd	115	1	197.80	7.82	ppb	1.42	200	95.2	75 - 125	
118 Sn	115	1	416.80	245.40	ppb	0.89	200	93.6	75 - 125	
121 Sb	115	1	198.90	8.98	ppb	0.47	200	95.2	75 - 125	
137 Ba	115	1	4798.00	4815.00	ppb	0.62	200	95.7	75 - 125	
205 Tl	165	1	187.50	0.15	ppb	1.06	200	93.7	75 - 125	
208 Pb	165	1	1233.00	1093.00	ppb	1.85	200	95.4	75 - 125	
232 Th	165	1	0.68	0.77	ppb	4.12	200	0.3	75 - 125	
238 U	165	1	178.70	0.17	ppb	2.44	200	89.3	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	640721	1.32	715866	89.5	30 - 120	
45 Sc	1	2752469	0.25	3345645	82.3	30 - 120	
72 Ge	1	1970503	0.72	2000336	98.5	30 - 120	
115 In	1	5380962	1.17	6311330	85.3	30 - 120	
165 Ho	1	11101690	1.66	12325117	90.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\049_MS.D\049_MS.D#
Date Acquired: Apr 2 2012 07:30 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-e ms
Misc Info: MATRIX SPIKE
Vial Number: 2402
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	37.29	0.10	ppb	3.00	40	93.0	50 - 150	
51 V	72	1	52.77	7.74	ppb	3.02	40	110.5	50 - 150	
52 Cr	72	1	156.90	142.40	ppb	1.29	40	86.0	50 - 150	
55 Mn	72	1	2344.00	2226.00	ppb	0.57	40	103.4	50 - 150	
59 Co	72	1	69.18	41.09	ppb	0.57	40	85.3	50 - 150	
60 Ni	72	1	183.40	218.20	ppb	1.39	40	71.0	50 - 150	
63 Cu	72	1	344.30	383.50	ppb	0.22	40	81.3	50 - 150	
66 Zn	72	1	4202.00	4314.00	ppb	1.20	40	96.5	50 - 150	
75 As	72	1	85.55	45.13	ppb	0.49	40	100.5	50 - 150	
78 Se	72	1	25.47	0.47	ppb	3.22	40	62.9	50 - 150	
95 Mo	72	1	43.12	7.60	ppb	0.54	40	90.6	50 - 150	
107 Ag	115	1	39.68	1.31	ppb	1.28	40	96.1	50 - 150	
111 Cd	115	1	48.88	7.82	ppb	0.95	40	102.2	50 - 150	
118 Sn	115	1	510.20	245.40	ppb	1.42	40	178.8	50 - 150	
121 Sb	115	1	26.71	8.98	ppb	1.04	40	54.5	50 - 150	
137 Ba	115	1	5085.00	4815.00	ppb	1.59	40	104.7	50 - 150	
205 Tl	165	1	39.44	0.15	ppb	1.49	40	98.2	50 - 150	
208 Pb	165	1	2106.00	1093.00	ppb	0.77	40	185.9	50 - 150	
232 Th	165	1	40.64	0.77	ppb	0.20	40	99.7	50 - 150	
238 U	165	1	38.95	0.17	ppb	0.42	40	97.0	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	597783	1.03	715866	83.5	30 - 120	
45 Sc	1	2563663	0.47	3345645	76.6	30 - 120	
72 Ge	1	1915769	0.75	2000336	95.8	30 - 120	
115 In	1	5156619	0.71	6311330	81.7	30 - 120	
165 Ho	1	10800392	0.86	12325117	87.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\050_MSD.D\050_MSD.D#
Date Acquired: Apr 2 2012 07:33 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-f msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2403
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\049_MS.D\049_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	39.54	ppb	0.59	37.29	5.86	20	
51 V	72	1	53.54	ppb	0.71	52.77	1.45	20	
52 Cr	72	1	125.70	ppb	0.83	156.90	22.08	20	
55 Mn	72	1	2440.00	ppb	0.58	2344.00	4.01	20	
59 Co	72	1	71.57	ppb	0.54	69.18	3.40	20	
60 Ni	72	1	163.90	ppb	0.47	183.40	11.23	20	
63 Cu	72	1	428.30	ppb	0.45	344.30	21.74	20	
66 Zn	72	1	2717.00	ppb	0.36	4202.00	42.93	20	
75 As	72	1	97.11	ppb	0.70	85.55	12.66	20	
78 Se	72	1	24.40	ppb	0.76	25.47	4.29	20	
95 Mo	72	1	48.83	ppb	0.31	43.12	12.42	20	
107 Ag	115	1	41.28	ppb	1.56	39.68	3.95	20	
111 Cd	115	1	47.35	ppb	1.54	48.88	3.18	20	
118 Sn	115	1	704.00	ppb	0.54	510.20	31.92	20	
121 Sb	115	1	24.29	ppb	0.96	26.71	9.49	20	
137 Ba	115	1	1345.00	ppb	1.78	5085.00	116.33	20	
205 Tl	165	1	40.51	ppb	1.12	39.44	2.68	20	
208 Pb	165	1	1212.00	ppb	1.30	2106.00	53.89	20	
232 Th	165	1	42.04	ppb	1.38	40.64	3.39	20	
238 U	165	1	40.49	ppb	1.40	38.95	3.88	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	606017	1.18	715866	84.7	30 - 120	
45 Sc	1	2634479	0.08	3345645	78.7	30 - 120	
72 Ge	1	1885391	0.24	2000336	94.3	30 - 120	
115 In	1	5200989	1.27	6311330	82.4	30 - 120	
165 Ho	1	10939065	0.41	12325117	88.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\051SMPL.D\051SMPL.D#
Date Acquired: Apr 2 2012 07:36 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-2-b
Misc Info:
Vial Number: 2404
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.14	0.14	ppb	27.69	3600	
51 V	72	1	7.98	7.98	ppb	1.16	3600	
52 Cr	72	1	15.59	15.59	ppb	1.63	3600	
55 Mn	72	1	495.20	495.20	ppb	0.93	18000	
59 Co	72	1	12.67	12.67	ppb	1.34	3600	
60 Ni	72	1	25.61	25.61	ppb	0.64	3600	
63 Cu	72	1	77.62	77.62	ppb	0.58	3600	
66 Zn	72	1	2,250.00	2250.00	ppb	1.54	3600	
75 As	72	1	15.17	15.17	ppb	1.16	3600	
78 Se	72	1	1.26	1.26	ppb	5.84	3600	
95 Mo	72	1	1.88	1.88	ppb	2.10	3600	
107 Ag	115	1	0.44	0.44	ppb	1.54	3600	
111 Cd	115	1	9.37	9.37	ppb	0.79	3600	
118 Sn	115	1	130.30	130.30	ppb	0.52	3600	
121 Sb	115	1	1.48	1.48	ppb	0.61	3600	
137 Ba	115	1	278.70	278.70	ppb	0.16	3600	
205 Tl	165	1	0.16	0.16	ppb	2.37	3600	
208 Pb	165	1	2,529.00	2529.00	ppb	0.47	3600	
232 Th	165	1	1.14	1.14	ppb	1.38	1000	
238 U	165	1	0.30	0.30	ppb	0.22	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	646700	2.05	715866	90.3	30 - 120	
45 Sc	1	2983615	1.51	3345645	89.2	30 - 120	
72 Ge	1	1939391	1.51	2000336	97.0	30 - 120	
115 In	1	5856106	1.25	6311330	92.8	30 - 120	
165 Ho	1	11593671	0.62	12325117	94.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\052SMPL.D\052SMPL.D#
Date Acquired: Apr 2 2012 07:39 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-3-b
Misc Info:
Vial Number: 2405
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.10	ppb	36.21	3600	
51 V	72	1	7.24	7.24	ppb	1.52	3600	
52 Cr	72	1	95.24	95.24	ppb	0.34	3600	
55 Mn	72	1	1,411.00	1411.00	ppb	0.91	18000	
59 Co	72	1	28.74	28.74	ppb	1.16	3600	
60 Ni	72	1	115.10	115.10	ppb	0.61	3600	
63 Cu	72	1	331.70	331.70	ppb	1.15	3600	
66 Zn	72	1	1,787.00	1787.00	ppb	0.87	3600	
75 As	72	1	36.54	36.54	ppb	1.04	3600	
78 Se	72	1	0.36	0.36	ppb	10.45	3600	
95 Mo	72	1	14.80	14.80	ppb	1.38	3600	
107 Ag	115	1	0.32	0.32	ppb	2.21	3600	
111 Cd	115	1	4.23	4.23	ppb	1.96	3600	
118 Sn	115	1	928.80	928.80	ppb	0.39	3600	
121 Sb	115	1	5.16	5.16	ppb	0.80	3600	
137 Ba	115	1	66.26	66.26	ppb	0.37	3600	
205 Tl	165	1	0.12	0.12	ppb	2.92	3600	
208 Pb	165	1	508.10	508.10	ppb	0.69	3600	
232 Th	165	1	0.78	0.78	ppb	2.52	1000	
238 U	165	1	0.23	0.23	ppb	2.71	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	582233	0.57	715866	81.3	30 - 120	
45 Sc	1	2599355	0.75	3345645	77.7	30 - 120	
72 Ge	1	1869315	1.07	2000336	93.5	30 - 120	
115 In	1	5218348	0.50	6311330	82.7	30 - 120	
165 Ho	1	10891870	0.69	12325117	88.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\053_CCV.D\053_CCV.D#
Date Acquired: Apr 2 2012 07:41 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.94	ppb	0.37	50	105.9	90 - 110	
51 V	72	1	53.09	ppb	3.81	50	106.2	90 - 110	
52 Cr	72	1	51.96	ppb	1.60	50	103.9	90 - 110	
55 Mn	72	1	51.16	ppb	2.55	50	102.3	90 - 110	
59 Co	72	1	53.52	ppb	1.32	50	107.0	90 - 110	
60 Ni	72	1	51.01	ppb	1.79	50	102.0	90 - 110	
63 Cu	72	1	53.88	ppb	2.85	50	107.8	90 - 110	
66 Zn	72	1	51.70	ppb	1.73	50	103.4	90 - 110	
75 As	72	1	51.80	ppb	1.46	50	103.6	90 - 110	
78 Se	72	1	50.61	ppb	3.58	50	101.2	90 - 110	
95 Mo	72	1	51.76	ppb	1.65	50	103.5	90 - 110	
107 Ag	115	1	52.64	ppb	0.93	50	105.3	90 - 110	
111 Cd	115	1	50.95	ppb	0.10	50	101.9	90 - 110	
118 Sn	115	1	51.86	ppb	2.99	50	103.7	90 - 110	
121 Sb	115	1	51.17	ppb	1.96	50	102.3	90 - 110	
137 Ba	115	1	51.85	ppb	0.95	50	103.7	90 - 110	
205 Tl	165	1	50.59	ppb	0.43	50	101.2	90 - 110	
208 Pb	165	1	51.33	ppb	0.61	50	102.7	90 - 110	
232 Th	165	1	49.42	ppb	0.12	50	98.8	90 - 110	
238 U	165	1	48.60	ppb	0.96	50	97.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	617027	0.80	715866	86.2	30 - 120	
45 Sc	1	3053961	1.56	3345645	91.3	30 - 120	
72 Ge	1	1882691	0.97	2000336	94.1	30 - 120	
115 In	1	6019241	0.29	6311330	95.4	30 - 120	
165 Ho	1	11820907	1.32	12325117	95.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\054_CCB.D\054_CCB.D#
Date Acquired: Apr 2 2012 07:44 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.004	ppb	173.19	1.00	
51 V	72	1	0.007	ppb	141.14	1.00	
52 Cr	72	1	0.018	ppb	22.97	1.00	
55 Mn	72	1	-0.004	ppb	289.61	1.00	
59 Co	72	1	0.009	ppb	23.91	1.00	
60 Ni	72	1	0.021	ppb	22.01	1.00	
63 Cu	72	1	0.032	ppb	3.56	1.00	
66 Zn	72	1	0.286	ppb	2.65	1.00	
75 As	72	1	0.023	ppb	24.39	1.00	
78 Se	72	1	0.159	ppb	66.50	1.00	
95 Mo	72	1	0.017	ppb	32.90	1.00	
107 Ag	115	1	0.013	ppb	18.90	1.00	
111 Cd	115	1	0.004	ppb	35.02	1.00	
118 Sn	115	1	0.239	ppb	4.61	1.00	
121 Sb	115	1	0.048	ppb	6.22	1.00	
137 Ba	115	1	0.066	ppb	1.30	1.00	
205 Tl	165	1	0.031	ppb	13.30	1.00	
208 Pb	165	1	0.104	ppb	1.27	1.00	
232 Th	165	1	0.041	ppb	17.52	1.00	
238 U	165	1	0.008	ppb	10.25	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	647744	2.94	715866	90.5	30 - 120	
45 Sc	1	3157314	1.02	3345645	94.4	30 - 120	
72 Ge	1	1939360	1.88	2000336	97.0	30 - 120	
115 In	1	6164411	1.29	6311330	97.7	30 - 120	
165 Ho	1	11936159	0.91	12325117	96.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\055WASH.D\055WASH.D#
Date Acquired: Apr 2 2012 07:47 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.033 ppb	5.20	1.30	
51 V	72	1	5.461 ppb	1.35	6.50	
52 Cr	72	1	2.144 ppb	1.92	2.60	
55 Mn	72	1	1.100 ppb	2.98	1.30	
59 Co	72	1	1.058 ppb	2.65	1.30	
60 Ni	72	1	2.026 ppb	0.75	2.60	
63 Cu	72	1	2.204 ppb	1.78	2.60	
66 Zn	72	1	10.850 ppb	0.96	13.00	
75 As	72	1	5.138 ppb	2.61	6.50	
78 Se	72	1	5.223 ppb	1.91	6.50	
95 Mo	72	1	2.101 ppb	3.43	2.60	
107 Ag	115	1	5.165 ppb	1.03	6.50	
111 Cd	115	1	1.066 ppb	3.02	1.30	
118 Sn	115	1	10.240 ppb	1.64	13.00	
121 Sb	115	1	2.057 ppb	1.19	2.60	
137 Ba	115	1	1.109 ppb	1.74	1.30	
205 Tl	165	1	1.071 ppb	0.94	1.30	
208 Pb	165	1	1.111 ppb	0.66	1.30	
232 Th	165	1	2.043 ppb	1.99	2.60	
238 U	165	1	1.002 ppb	0.84	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	640713	3.74	715866	89.5	30 - 120	
45 Sc	1	3201681	0.73	3345645	95.7	30 - 120	
72 Ge	1	1968747	0.80	2000336	98.4	30 - 120	
115 In	1	6249723	1.05	6311330	99.0	30 - 120	
165 Ho	1	11900244	0.19	12325117	96.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\056SMPL.D\056SMPL.D#
Date Acquired: Apr 2 2012 07:50 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-4-b
Misc Info:
Vial Number: 2406
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.10	ppb	31.38	3600	
51 V	72	1	15.05	15.05	ppb	1.65	3600	
52 Cr	72	1	20.67	20.67	ppb	0.58	3600	
55 Mn	72	1	133.50	133.50	ppb	0.15	18000	
59 Co	72	1	3.12	3.12	ppb	1.27	3600	
60 Ni	72	1	17.29	17.29	ppb	0.19	3600	
63 Cu	72	1	80.99	80.99	ppb	0.76	3600	
66 Zn	72	1	147.40	147.40	ppb	0.38	3600	
75 As	72	1	6.13	6.13	ppb	1.45	3600	
78 Se	72	1	0.98	0.98	ppb	26.21	3600	
95 Mo	72	1	4.14	4.14	ppb	0.72	3600	
107 Ag	115	1	0.35	0.35	ppb	0.80	3600	
111 Cd	115	1	1.07	1.07	ppb	3.77	3600	
118 Sn	115	1	7.62	7.62	ppb	1.68	3600	
121 Sb	115	1	0.30	0.30	ppb	0.82	3600	
137 Ba	115	1	24.10	24.10	ppb	0.69	3600	
205 Tl	165	1	0.12	0.12	ppb	1.69	3600	
208 Pb	165	1	139.50	139.50	ppb	1.02	3600	
232 Th	165	1	1.13	1.13	ppb	1.15	1000	
238 U	165	1	0.20	0.20	ppb	0.38	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	632061	1.99	715866	88.3	30 - 120	
45 Sc	1	3159590	0.21	3345645	94.4	30 - 120	
72 Ge	1	1946550	0.27	2000336	97.3	30 - 120	
115 In	1	6073130	0.14	6311330	96.2	30 - 120	
165 Ho	1	11898057	0.67	12325117	96.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\057SMPL.D\057SMPL.D#
Date Acquired: Apr 2 2012 07:53 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-5-b
Misc Info:
Vial Number: 2407
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.13	0.13	ppb	52.47	3600	
51 V	72	1	9.00	9.00	ppb	3.10	3600	
52 Cr	72	1	47.61	47.61	ppb	1.15	3600	
55 Mn	72	1	462.60	462.60	ppb	0.45	18000	
59 Co	72	1	7.76	7.76	ppb	0.36	3600	
60 Ni	72	1	28.32	28.32	ppb	0.82	3600	
63 Cu	72	1	95.76	95.76	ppb	0.99	3600	
66 Zn	72	1	145.30	145.30	ppb	0.39	3600	
75 As	72	1	20.79	20.79	ppb	0.71	3600	
78 Se	72	1	0.97	0.97	ppb	8.01	3600	
95 Mo	72	1	4.43	4.43	ppb	1.20	3600	
107 Ag	115	1	0.38	0.38	ppb	2.79	3600	
111 Cd	115	1	0.93	0.93	ppb	0.83	3600	
118 Sn	115	1	14.34	14.34	ppb	1.23	3600	
121 Sb	115	1	0.95	0.95	ppb	1.33	3600	
137 Ba	115	1	635.80	635.80	ppb	0.72	3600	
205 Tl	165	1	0.16	0.16	ppb	3.00	3600	
208 Pb	165	1	6,284.00	6284.00	ppb	0.63	3600	>LDR
232 Th	165	1	1.28	1.28	ppb	0.48	1000	
238 U	165	1	0.24	0.24	ppb	0.73	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	642669	0.26	715866	89.8	30 - 120	
45 Sc	1	3093149	0.47	3345645	92.5	30 - 120	
72 Ge	1	1940776	0.34	2000336	97.0	30 - 120	
115 In	1	5910419	1.24	6311330	93.6	30 - 120	
165 Ho	1	11702576	1.34	12325117	94.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\058SMPL.D\058SMPL.D#
Date Acquired: Apr 2 2012 07:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-6-b
Misc Info:
Vial Number: 2408
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.28	0.28	ppb	50.99	3600	
51 V	72	1	9.23	9.23	ppb	1.24	3600	
52 Cr	72	1	9.22	9.22	ppb	0.61	3600	
55 Mn	72	1	72.25	72.25	ppb	0.11	18000	
59 Co	72	1	2.36	2.36	ppb	1.31	3600	
60 Ni	72	1	6.92	6.92	ppb	1.87	3600	
63 Cu	72	1	10.30	10.30	ppb	0.55	3600	
66 Zn	72	1	40.36	40.36	ppb	0.28	3600	
75 As	72	1	1.64	1.64	ppb	1.90	3600	
78 Se	72	1	0.71	0.71	ppb	11.77	3600	
95 Mo	72	1	0.20	0.20	ppb	3.29	3600	
107 Ag	115	1	0.02	0.02	ppb	17.37	3600	
111 Cd	115	1	0.53	0.53	ppb	4.30	3600	
118 Sn	115	1	0.48	0.48	ppb	2.45	3600	
121 Sb	115	1	0.05	0.05	ppb	3.71	3600	
137 Ba	115	1	35.26	35.26	ppb	1.06	3600	
205 Tl	165	1	0.08	0.08	ppb	2.80	3600	
208 Pb	165	1	153.90	153.90	ppb	0.41	3600	
232 Th	165	1	1.87	1.87	ppb	2.03	1000	
238 U	165	1	0.22	0.22	ppb	0.67	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	615590	2.85	715866	86.0	30 - 120	
45 Sc	1	3061322	0.23	3345645	91.5	30 - 120	
72 Ge	1	1871672	0.17	2000336	93.6	30 - 120	
115 In	1	5957483	0.70	6311330	94.4	30 - 120	
165 Ho	1	11742372	0.67	12325117	95.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\059SMPL.D\059SMPL.D#
Date Acquired: Apr 2 2012 07:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-7-b
Misc Info:
Vial Number: 2409
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.08	0.08	ppb	29.31	3600	
51 V	72	1	7.34	7.34	ppb	1.36	3600	
52 Cr	72	1	6.94	6.94	ppb	1.69	3600	
55 Mn	72	1	544.70	544.70	ppb	1.12	18000	
59 Co	72	1	1.90	1.90	ppb	1.59	3600	
60 Ni	72	1	7.21	7.21	ppb	1.29	3600	
63 Cu	72	1	37.60	37.60	ppb	0.73	3600	
66 Zn	72	1	831.80	831.80	ppb	1.15	3600	
75 As	72	1	4.17	4.17	ppb	0.90	3600	
78 Se	72	1	0.91	0.91	ppb	16.86	3600	
95 Mo	72	1	0.55	0.55	ppb	1.30	3600	
107 Ag	115	1	0.12	0.12	ppb	7.96	3600	
111 Cd	115	1	4.15	4.15	ppb	0.24	3600	
118 Sn	115	1	7.61	7.61	ppb	1.23	3600	
121 Sb	115	1	0.21	0.21	ppb	2.22	3600	
137 Ba	115	1	64.46	64.46	ppb	0.27	3600	
205 Tl	165	1	0.08	0.08	ppb	4.30	3600	
208 Pb	165	1	127.90	127.90	ppb	0.53	3600	
232 Th	165	1	1.06	1.06	ppb	1.30	1000	
238 U	165	1	0.19	0.19	ppb	1.45	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	607674	1.47	715866	84.9	30 - 120	
45 Sc	1	3016037	0.77	3345645	90.1	30 - 120	
72 Ge	1	1885917	1.35	2000336	94.3	30 - 120	
115 In	1	5930596	0.43	6311330	94.0	30 - 120	
165 Ho	1	11627260	0.15	12325117	94.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\060SMPL.D\060SMPL.D#
Date Acquired: Apr 2 2012 08:01 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-8-b
Misc Info:
Vial Number: 2410
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.22	0.22	ppb	21.58	3600	
51 V	72	1	13.60	13.60	ppb	1.02	3600	
52 Cr	72	1	9.02	9.02	ppb	1.97	3600	
55 Mn	72	1	466.80	466.80	ppb	1.02	18000	
59 Co	72	1	2.91	2.91	ppb	1.96	3600	
60 Ni	72	1	8.64	8.64	ppb	1.32	3600	
63 Cu	72	1	7.25	7.25	ppb	0.88	3600	
66 Zn	72	1	461.20	461.20	ppb	1.29	3600	
75 As	72	1	0.68	0.68	ppb	1.88	3600	
78 Se	72	1	0.51	0.51	ppb	9.97	3600	
95 Mo	72	1	0.13	0.13	ppb	9.16	3600	
107 Ag	115	1	0.02	0.02	ppb	18.34	3600	
111 Cd	115	1	0.88	0.88	ppb	3.62	3600	
118 Sn	115	1	0.28	0.28	ppb	5.45	3600	
121 Sb	115	1	0.02	0.02	ppb	13.20	3600	
137 Ba	115	1	24.63	24.63	ppb	0.17	3600	
205 Tl	165	1	0.07	0.07	ppb	1.49	3600	
208 Pb	165	1	15.63	15.63	ppb	0.77	3600	
232 Th	165	1	1.83	1.83	ppb	2.62	1000	
238 U	165	1	0.21	0.21	ppb	1.71	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	591042	2.52	715866	82.6	30 - 120	
45 Sc	1	3010275	1.09	3345645	90.0	30 - 120	
72 Ge	1	1835105	0.85	2000336	91.7	30 - 120	
115 In	1	5822406	0.71	6311330	92.3	30 - 120	
165 Ho	1	11572115	0.84	12325117	93.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\061SMPL.D\061SMPL.D#
Date Acquired: Apr 2 2012 08:04 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-9-b
Misc Info:
Vial Number: 2411
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.24	0.24	ppb	16.15	3600	
51 V	72	1	24.89	24.89	ppb	2.46	3600	
52 Cr	72	1	33.02	33.02	ppb	1.95	3600	
55 Mn	72	1	455.90	455.90	ppb	0.89	18000	
59 Co	72	1	11.92	11.92	ppb	0.88	3600	
60 Ni	72	1	40.79	40.79	ppb	1.24	3600	
63 Cu	72	1	442.80	442.80	ppb	0.85	3600	
66 Zn	72	1	520.70	520.70	ppb	1.72	3600	
75 As	72	1	15.20	15.20	ppb	0.89	3600	
78 Se	72	1	1.10	1.10	ppb	25.17	3600	
95 Mo	72	1	4.90	4.90	ppb	0.89	3600	
107 Ag	115	1	0.20	0.20	ppb	3.59	3600	
111 Cd	115	1	3.02	3.02	ppb	2.80	3600	
118 Sn	115	1	46.06	46.06	ppb	0.79	3600	
121 Sb	115	1	1.62	1.62	ppb	0.91	3600	
137 Ba	115	1	593.50	593.50	ppb	0.86	3600	
205 Tl	165	1	0.13	0.13	ppb	1.35	3600	
208 Pb	165	1	1,835.00	1835.00	ppb	0.32	3600	
232 Th	165	1	1.23	1.23	ppb	0.73	1000	
238 U	165	1	0.27	0.27	ppb	0.72	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	589038	3.46	715866	82.3	30 - 120	
45 Sc	1	2884941	0.72	3345645	86.2	30 - 120	
72 Ge	1	1882135	0.87	2000336	94.1	30 - 120	
115 In	1	5630799	1.15	6311330	89.2	30 - 120	
165 Ho	1	11372587	0.40	12325117	92.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\062SMPL.D\062SMPL.D#
Date Acquired: Apr 2 2012 08:07 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-10-b
Misc Info:
Vial Number: 2412
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.37	0.37	ppb	10.04	3600	
51 V	72	1	16.67	16.67	ppb	1.14	3600	
52 Cr	72	1	15.71	15.71	ppb	0.78	3600	
55 Mn	72	1	81.42	81.42	ppb	2.17	18000	
59 Co	72	1	3.58	3.58	ppb	1.18	3600	
60 Ni	72	1	12.44	12.44	ppb	1.40	3600	
63 Cu	72	1	7.58	7.58	ppb	0.91	3600	
66 Zn	72	1	129.30	129.30	ppb	1.38	3600	
75 As	72	1	0.77	0.77	ppb	0.92	3600	
78 Se	72	1	1.18	1.18	ppb	5.74	3600	
95 Mo	72	1	0.20	0.20	ppb	5.30	3600	
107 Ag	115	1	0.02	0.02	ppb	13.42	3600	
111 Cd	115	1	0.63	0.63	ppb	6.36	3600	
118 Sn	115	1	0.24	0.24	ppb	7.72	3600	
121 Sb	115	1	0.02	0.02	ppb	5.28	3600	
137 Ba	115	1	32.57	32.57	ppb	0.31	3600	
205 Tl	165	1	0.08	0.08	ppb	3.03	3600	
208 Pb	165	1	6.20	6.20	ppb	1.42	3600	
232 Th	165	1	3.16	3.16	ppb	1.61	1000	
238 U	165	1	0.30	0.30	ppb	1.47	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	577144	3.18	715866	80.6	30 - 120	
45 Sc	1	2934470	0.11	3345645	87.7	30 - 120	
72 Ge	1	1802325	1.17	2000336	90.1	30 - 120	
115 In	1	5764620	0.60	6311330	91.3	30 - 120	
165 Ho	1	11387352	1.36	12325117	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\063_CCV.D\063_CCV.D#
Date Acquired: Apr 2 2012 08:10 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.48	ppb	1.49	50	103.0	90 - 110	
51 V	72	1	52.68	ppb	1.22	50	105.4	90 - 110	
52 Cr	72	1	52.01	ppb	0.96	50	104.0	90 - 110	
55 Mn	72	1	51.50	ppb	0.14	50	103.0	90 - 110	
59 Co	72	1	52.04	ppb	1.18	50	104.1	90 - 110	
60 Ni	72	1	50.06	ppb	0.14	50	100.1	90 - 110	
63 Cu	72	1	52.41	ppb	0.41	50	104.8	90 - 110	
66 Zn	72	1	50.96	ppb	0.30	50	101.9	90 - 110	
75 As	72	1	51.35	ppb	0.55	50	102.7	90 - 110	
78 Se	72	1	51.68	ppb	2.28	50	103.4	90 - 110	
95 Mo	72	1	50.90	ppb	0.18	50	101.8	90 - 110	
107 Ag	115	1	52.31	ppb	1.25	50	104.6	90 - 110	
111 Cd	115	1	50.50	ppb	0.91	50	101.0	90 - 110	
118 Sn	115	1	51.40	ppb	0.23	50	102.8	90 - 110	
121 Sb	115	1	50.48	ppb	0.79	50	101.0	90 - 110	
137 Ba	115	1	52.01	ppb	1.25	50	104.0	90 - 110	
205 Tl	165	1	50.85	ppb	0.39	50	101.7	90 - 110	
208 Pb	165	1	51.72	ppb	0.45	50	103.4	90 - 110	
232 Th	165	1	50.20	ppb	0.40	50	100.4	90 - 110	
238 U	165	1	49.56	ppb	0.27	50	99.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	600320	2.37	715866	83.9	30 - 120	
45 Sc	1	3025608	0.85	3345645	90.4	30 - 120	
72 Ge	1	1882944	0.55	2000336	94.1	30 - 120	
115 In	1	6005066	1.22	6311330	95.1	30 - 120	
165 Ho	1	11676940	0.57	12325117	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\064_CCB.D\064_CCB.D#
Date Acquired: Apr 2 2012 08:13 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.008	ppb	86.60	1.00	
51 V	72	1	0.000	ppb	5587.50	1.00	
52 Cr	72	1	0.011	ppb	20.94	1.00	
55 Mn	72	1	-0.065	ppb	3.77	1.00	
59 Co	72	1	0.007	ppb	22.21	1.00	
60 Ni	72	1	0.014	ppb	57.30	1.00	
63 Cu	72	1	0.022	ppb	42.65	1.00	
66 Zn	72	1	0.144	ppb	14.49	1.00	
75 As	72	1	0.013	ppb	39.25	1.00	
78 Se	72	1	0.072	ppb	106.40	1.00	
95 Mo	72	1	0.030	ppb	40.30	1.00	
107 Ag	115	1	0.012	ppb	23.76	1.00	
111 Cd	115	1	0.006	ppb	93.73	1.00	
118 Sn	115	1	0.066	ppb	5.02	1.00	
121 Sb	115	1	0.046	ppb	5.59	1.00	
137 Ba	115	1	0.039	ppb	4.05	1.00	
205 Tl	165	1	0.029	ppb	12.93	1.00	
208 Pb	165	1	0.084	ppb	2.41	1.00	
232 Th	165	1	0.046	ppb	20.92	1.00	
238 U	165	1	0.008	ppb	2.83	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	585914	1.20	715866	81.8	30 - 120	
45 Sc	1	3066036	1.25	3345645	91.6	30 - 120	
72 Ge	1	1877550	0.46	2000336	93.9	30 - 120	
115 In	1	6044177	0.27	6311330	95.8	30 - 120	
165 Ho	1	11704501	0.28	12325117	95.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\065WASH.D\065WASH.D#
Date Acquired: Apr 2 2012 08:16 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.975 ppb	6.58	1.30	
51 V	72	1	5.363 ppb	0.89	6.50	
52 Cr	72	1	2.091 ppb	1.67	2.60	
55 Mn	72	1	1.059 ppb	1.62	1.30	
59 Co	72	1	1.052 ppb	2.87	1.30	
60 Ni	72	1	2.016 ppb	0.14	2.60	
63 Cu	72	1	2.188 ppb	1.52	2.60	
66 Zn	72	1	10.710 ppb	0.34	13.00	
75 As	72	1	5.172 ppb	1.54	6.50	
78 Se	72	1	5.366 ppb	5.11	6.50	
95 Mo	72	1	2.070 ppb	2.55	2.60	
107 Ag	115	1	5.168 ppb	1.25	6.50	
111 Cd	115	1	1.053 ppb	1.90	1.30	
118 Sn	115	1	10.140 ppb	1.17	13.00	
121 Sb	115	1	2.037 ppb	2.03	2.60	
137 Ba	115	1	1.133 ppb	0.97	1.30	
205 Tl	165	1	1.068 ppb	0.79	1.30	
208 Pb	165	1	1.093 ppb	0.59	1.30	
232 Th	165	1	2.064 ppb	2.36	2.60	
238 U	165	1	1.012 ppb	0.97	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	614442	1.01	715866	85.8	30 - 120	
45 Sc	1	3093893	0.66	3345645	92.5	30 - 120	
72 Ge	1	1909252	1.23	2000336	95.4	30 - 120	
115 In	1	6084453	1.28	6311330	96.4	30 - 120	
165 Ho	1	11718271	0.85	12325117	95.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\066AREF.D\066AREF.D#
Date Acquired: Apr 2 2012 08:19 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d
Misc Info: 20X
Vial Number: 2311
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: AllRef
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	11.68	0.58	ppb	13.23	3600	
52 Cr	72	1	171.98	8.60	ppb	0.42	3600	
55 Mn	72	1	2,702.00	135.10	ppb	1.08	18000	
59 Co	72	1	49.18	2.46	ppb	0.58	3600	
60 Ni	72	1	267.40	13.37	ppb	0.87	3600	
63 Cu	72	1	486.80	24.34	ppb	0.40	3600	
66 Zn	72	1	5,544.00	277.20	ppb	0.18	3600	
75 As	72	1	56.36	2.82	ppb	1.57	3600	
78 Se	72	1	5.07	0.25	ppb	35.91	3600	
95 Mo	72	1	8.42	0.42	ppb	2.85	3600	
107 Ag	115	1	1.42	0.07	ppb	4.65	3600	
111 Cd	115	1	6.95	0.35	ppb	4.36	3600	
118 Sn	115	1	254.20	12.71	ppb	0.35	3600	
121 Sb	115	1	8.96	0.45	ppb	1.95	3600	
137 Ba	115	1	5,106.00	255.30	ppb	1.26	3600	
205 Tl	165	1	0.24	0.01	ppb	1.63	3600	
208 Pb	165	1	1,185.60	59.28	ppb	0.75	3600	
232 Th	165	1	0.94	0.05	ppb	3.81	1000	
238 U	165	1	0.20	0.01	ppb	7.32	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	609476	1.95	715866	85.1	30 - 120	
45 Sc	1	3147481	1.06	3345645	94.1	30 - 120	
72 Ge	1	1943999	0.07	2000336	97.2	30 - 120	
115 In	1	6112043	0.41	6311330	96.8	30 - 120	
165 Ho	1	11875894	1.29	12325117	96.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\067SDIL.D\067SDIL.D#
Date Acquired: Apr 2 2012 08:22 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d SD@100
Misc Info: SERIAL DILUTION
Vial Number: 2312
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SDIL
Dilution Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\066AREF.D\066AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.01	ppb	86.60	0.00	#DIV/0!	90 - 110	
51 V	72	1	0.10	ppb	23.26	0.12	84.7	90 - 110	
52 Cr	72	1	1.63	ppb	2.24	1.72	94.9	90 - 110	
55 Mn	72	1	26.56	ppb	1.84	27.02	98.3	90 - 110	
59 Co	72	1	0.46	ppb	1.21	0.49	94.1	90 - 110	
60 Ni	72	1	6.91	ppb	1.48	2.67	258.2	90 - 110	
63 Cu	72	1	4.75	ppb	0.44	4.87	97.5	90 - 110	
66 Zn	72	1	53.10	ppb	0.72	55.44	95.8	90 - 110	
75 As	72	1	0.56	ppb	2.24	0.56	98.5	90 - 110	
78 Se	72	1	0.23	ppb	84.45	0.05	456.4	90 - 110	
95 Mo	72	1	0.09	ppb	3.83	0.08	111.5	90 - 110	
107 Ag	115	1	0.02	ppb	0.32	0.01	110.4	90 - 110	
111 Cd	115	1	0.08	ppb	23.53	0.07	108.2	90 - 110	
118 Sn	115	1	2.49	ppb	1.36	2.54	98.1	90 - 110	
121 Sb	115	1	0.09	ppb	8.20	0.09	103.7	90 - 110	
137 Ba	115	1	48.10	ppb	0.59	51.06	94.2	90 - 110	
205 Tl	165	1	0.00	ppb	11.51	0.00	196.7	90 - 110	
208 Pb	165	1	11.45	ppb	0.21	11.86	96.6	90 - 110	
232 Th	165	1	0.01	ppb	12.28	0.01	113.2	90 - 110	
238 U	165	1	0.00	ppb	14.99	0.00	132.1	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	613948	1.08	715866	85.8	30 - 120	
45 Sc	1	3196604	0.99	3345645	95.5	30 - 120	
72 Ge	1	1980024	1.03	2000336	99.0	30 - 120	
115 In	1	6242695	1.13	6311330	98.9	30 - 120	
165 Ho	1	11982140	0.86	12325117	97.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\068PDS.D\068PDS.D#
Date Acquired: Apr 2 2012 08:25 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-d PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2401
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: PDS
Prep Dil. Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	201.00	0.00	ppb	1.36	200	100.5	75 - 125	
51 V	72	1	190.20	0.58	ppb	0.63	200	94.8	75 - 125	
52 Cr	72	1	198.50	8.60	ppb	0.22	200	95.2	75 - 125	
55 Mn	72	1	317.10	135.10	ppb	0.94	200	94.6	75 - 125	
59 Co	72	1	194.50	2.46	ppb	0.44	200	96.1	75 - 125	
60 Ni	72	1	205.30	13.37	ppb	0.26	200	96.2	75 - 125	
63 Cu	72	1	212.60	24.34	ppb	0.78	200	94.8	75 - 125	
66 Zn	72	1	460.90	277.20	ppb	0.77	200	96.6	75 - 125	
75 As	72	1	197.70	2.82	ppb	0.37	200	97.5	75 - 125	
78 Se	72	1	189.20	0.25	ppb	0.57	200	94.5	75 - 125	
95 Mo	72	1	191.40	0.42	ppb	0.55	200	95.5	75 - 125	
107 Ag	115	1	49.74	0.07	ppb	1.95	50	99.3	75 - 125	
111 Cd	115	1	199.60	0.35	ppb	2.25	200	99.6	75 - 125	
118 Sn	115	1	202.40	12.71	ppb	1.34	200	95.2	75 - 125	
121 Sb	115	1	193.90	0.45	ppb	1.43	200	96.7	75 - 125	
137 Ba	115	1	441.50	255.30	ppb	0.86	200	97.0	75 - 125	
205 Tl	165	1	193.60	0.01	ppb	1.09	200	96.8	75 - 125	
208 Pb	165	1	245.50	59.28	ppb	0.67	200	94.7	75 - 125	
232 Th	165	1	0.04	0.05	ppb	4.91	200	0.0	75 - 125	
238 U	165	1	183.80	0.01	ppb	1.07	200	91.9	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	600470	1.86	715866	83.9	30 - 120	
45 Sc	1	3051888	0.93	3345645	91.2	30 - 120	
72 Ge	1	1903900	0.40	2000336	95.2	30 - 120	
115 In	1	5996251	1.73	6311330	95.0	30 - 120	
165 Ho	1	11649420	0.92	12325117	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\069_MS.D\069_MS.D#
Date Acquired: Apr 2 2012 08:27 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-e ms
Misc Info: MATRIX SPIKE
Vial Number: 2402
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MS
Prep Dil. Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	2.05	0.00	ppb	8.75	40	5.1	50 - 150	
51 V	72	1	3.25	0.58	ppb	4.41	40	8.0	50 - 150	
52 Cr	72	1	9.39	8.60	ppb	2.86	40	19.3	50 - 150	
55 Mn	72	1	142.20	135.10	ppb	2.07	40	81.2	50 - 150	
59 Co	72	1	4.11	2.46	ppb	2.58	40	9.7	50 - 150	
60 Ni	72	1	10.81	13.37	ppb	1.06	40	20.3	50 - 150	
63 Cu	72	1	21.22	24.34	ppb	1.45	40	33.0	50 - 150	
66 Zn	72	1	264.30	277.20	ppb	1.51	40	83.3	50 - 150	
75 As	72	1	5.17	2.82	ppb	2.25	40	12.1	50 - 150	
78 Se	72	1	2.09	0.25	ppb	13.67	40	5.2	50 - 150	
95 Mo	72	1	2.37	0.42	ppb	2.65	40	5.9	50 - 150	
107 Ag	115	1	2.00	0.07	ppb	1.08	40	5.0	50 - 150	
111 Cd	115	1	2.43	0.35	ppb	2.32	40	6.0	50 - 150	
118 Sn	115	1	26.14	12.71	ppb	0.70	40	49.6	50 - 150	
121 Sb	115	1	1.34	0.45	ppb	0.66	40	3.3	50 - 150	
137 Ba	115	1	262.90	255.30	ppb	0.52	40	89.0	50 - 150	
205 Tl	165	1	2.04	0.01	ppb	1.15	40	5.1	50 - 150	
208 Pb	165	1	108.10	59.28	ppb	1.02	40	108.9	50 - 150	
232 Th	165	1	1.96	0.05	ppb	2.69	40	4.9	50 - 150	
238 U	165	1	1.92	0.01	ppb	2.00	40	4.8	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	599127	2.54	715866	83.7	30 - 120	
45 Sc	1	3088326	0.23	3345645	92.3	30 - 120	
72 Ge	1	1929589	1.54	2000336	96.5	30 - 120	
115 In	1	6010838	0.85	6311330	95.2	30 - 120	
165 Ho	1	11741399	0.92	12325117	95.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\070_MSD.D\070_MSD.D#
Date Acquired: Apr 2 2012 08:30 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-1-f msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2403
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MSD
Dilution Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\069_MS.D\069_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	2.09	ppb	3.44	2.05	1.94	20	
51 V	72	1	3.09	ppb	0.67	3.25	5.12	20	
52 Cr	72	1	7.42	ppb	1.81	9.39	23.47	20	
55 Mn	72	1	146.40	ppb	0.45	142.20	2.91	20	
59 Co	72	1	4.12	ppb	1.26	4.11	0.15	20	
60 Ni	72	1	9.43	ppb	0.94	10.81	13.63	20	
63 Cu	72	1	25.59	ppb	0.89	21.22	18.67	20	
66 Zn	72	1	162.20	ppb	0.97	264.30	47.88	20	
75 As	72	1	5.68	ppb	1.20	5.17	9.44	20	
78 Se	72	1	1.85	ppb	7.41	2.09	12.12	20	
95 Mo	72	1	2.59	ppb	4.40	2.37	8.99	20	
107 Ag	115	1	2.04	ppb	0.77	2.00	2.03	20	
111 Cd	115	1	2.29	ppb	1.44	2.43	6.15	20	
118 Sn	115	1	35.34	ppb	0.74	26.14	29.93	20	
121 Sb	115	1	1.19	ppb	1.52	1.34	11.87	20	
137 Ba	115	1	67.64	ppb	1.34	262.90	118.15	20	
205 Tl	165	1	2.06	ppb	1.74	2.04	0.73	20	
208 Pb	165	1	63.15	ppb	0.26	108.10	52.50	20	
232 Th	165	1	2.03	ppb	2.19	1.96	3.21	20	
238 U	165	1	1.99	ppb	0.39	1.92	3.63	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	608820	1.36	715866	85.0	30 - 120	
45 Sc	1	3112851	0.53	3345645	93.0	30 - 120	
72 Ge	1	1921439	0.52	2000336	96.1	30 - 120	
115 In	1	6047536	0.78	6311330	95.8	30 - 120	
165 Ho	1	11647707	0.44	12325117	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\071SMPL.D\071SMPL.D#
Date Acquired: Apr 2 2012 08:33 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-5-b
Misc Info: 20X
Vial Number: 2407
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 20.00
Autodil Factor: Undiluted
Final Dil Factor: 20.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.55	0.03	ppb	25.62	3600	
51 V	72	1	8.51	0.43	ppb	10.04	3600	
52 Cr	72	1	51.18	2.56	ppb	1.36	3600	
55 Mn	72	1	498.00	24.90	ppb	1.20	18000	
59 Co	72	1	7.94	0.40	ppb	2.50	3600	
60 Ni	72	1	29.62	1.48	ppb	0.59	3600	
63 Cu	72	1	99.14	4.96	ppb	1.03	3600	
66 Zn	72	1	154.84	7.74	ppb	0.68	3600	
75 As	72	1	22.18	1.11	ppb	2.83	3600	
78 Se	72	1	3.44	0.17	ppb	84.63	3600	
95 Mo	72	1	4.84	0.24	ppb	5.90	3600	
107 Ag	115	1	0.42	0.02	ppb	18.06	3600	
111 Cd	115	1	-0.18	-0.01	ppb	132.83	3600	
118 Sn	115	1	15.68	0.78	ppb	3.09	3600	
121 Sb	115	1	1.20	0.06	ppb	7.56	3600	
137 Ba	115	1	652.60	32.63	ppb	0.61	3600	
205 Tl	165	1	0.43	0.02	ppb	11.54	3600	
208 Pb	165	1	6,532.00	326.60	ppb	1.77	3600	
232 Th	165	1	1.33	0.07	ppb	0.93	1000	
238 U	165	1	0.33	0.02	ppb	4.15	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	615045	1.70	715866	85.9	30 - 120	
45 Sc	1	3194854	1.68	3345645	95.5	30 - 120	
72 Ge	1	1942215	0.28	2000336	97.1	30 - 120	
115 In	1	6124908	0.93	6311330	97.0	30 - 120	
165 Ho	1	11882479	1.88	12325117	96.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\072SMPL.D\072SMPL.D#
Date Acquired: Apr 2 2012 08:36 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27123-a-6-b
Misc Info:
Vial Number: 2408
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.22	0.22	ppb	21.30	3600	
51 V	72	1	9.39	9.39	ppb	1.49	3600	
52 Cr	72	1	9.17	9.17	ppb	1.12	3600	
55 Mn	72	1	72.54	72.54	ppb	1.48	18000	
59 Co	72	1	2.32	2.32	ppb	0.71	3600	
60 Ni	72	1	6.81	6.81	ppb	0.97	3600	
63 Cu	72	1	10.20	10.20	ppb	0.44	3600	
66 Zn	72	1	40.33	40.33	ppb	0.98	3600	
75 As	72	1	1.68	1.68	ppb	1.30	3600	
78 Se	72	1	0.84	0.84	ppb	5.10	3600	
95 Mo	72	1	0.19	0.19	ppb	3.64	3600	
107 Ag	115	1	0.02	0.02	ppb	4.29	3600	
111 Cd	115	1	0.54	0.54	ppb	1.87	3600	
118 Sn	115	1	0.44	0.44	ppb	3.95	3600	
121 Sb	115	1	0.05	0.05	ppb	6.00	3600	
137 Ba	115	1	35.04	35.04	ppb	0.24	3600	
205 Tl	165	1	0.08	0.08	ppb	4.98	3600	
208 Pb	165	1	155.00	155.00	ppb	0.51	3600	
232 Th	165	1	1.89	1.89	ppb	0.82	1000	
238 U	165	1	0.22	0.22	ppb	1.88	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	598418	3.99	715866	83.6	30 - 120	
45 Sc	1	3114893	0.66	3345645	93.1	30 - 120	
72 Ge	1	1889046	0.43	2000336	94.4	30 - 120	
115 In	1	5995645	0.64	6311330	95.0	30 - 120	
165 Ho	1	11643429	0.35	12325117	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\073_CCV.D\073_CCV.D#
Date Acquired: Apr 2 2012 08:39 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.72	ppb	3.16	50	105.4	90 - 110	
51 V	72	1	52.50	ppb	1.21	50	105.0	90 - 110	
52 Cr	72	1	51.89	ppb	1.12	50	103.8	90 - 110	
55 Mn	72	1	51.74	ppb	2.90	50	103.5	90 - 110	
59 Co	72	1	52.45	ppb	1.21	50	104.9	90 - 110	
60 Ni	72	1	50.10	ppb	1.03	50	100.2	90 - 110	
63 Cu	72	1	52.44	ppb	0.55	50	104.9	90 - 110	
66 Zn	72	1	50.83	ppb	0.78	50	101.7	90 - 110	
75 As	72	1	51.55	ppb	1.57	50	103.1	90 - 110	
78 Se	72	1	52.32	ppb	4.01	50	104.6	90 - 110	
95 Mo	72	1	50.97	ppb	1.07	50	101.9	90 - 110	
107 Ag	115	1	51.16	ppb	0.11	50	102.3	90 - 110	
111 Cd	115	1	49.71	ppb	0.29	50	99.4	90 - 110	
118 Sn	115	1	49.85	ppb	1.20	50	99.7	90 - 110	
121 Sb	115	1	49.96	ppb	0.48	50	99.9	90 - 110	
137 Ba	115	1	51.07	ppb	0.70	50	102.1	90 - 110	
205 Tl	165	1	50.78	ppb	0.02	50	101.6	90 - 110	
208 Pb	165	1	50.88	ppb	0.68	50	101.8	90 - 110	
232 Th	165	1	49.88	ppb	0.47	50	99.8	90 - 110	
238 U	165	1	48.83	ppb	1.51	50	97.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	597834	3.76	715866	83.5	30 - 120	
45 Sc	1	3099709	0.46	3345645	92.6	30 - 120	
72 Ge	1	1891406	1.04	2000336	94.6	30 - 120	
115 In	1	6113046	0.49	6311330	96.9	30 - 120	
165 Ho	1	11760540	0.87	12325117	95.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\074_CCB.D\074_CCB.D#
Date Acquired: Apr 2 2012 08:42 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.024	ppb	49.79	1.00	
51 V	72	1	0.008	ppb	217.72	1.00	
52 Cr	72	1	0.017	ppb	34.75	1.00	
55 Mn	72	1	-0.008	ppb	126.49	1.00	
59 Co	72	1	0.008	ppb	32.10	1.00	
60 Ni	72	1	0.013	ppb	31.30	1.00	
63 Cu	72	1	0.015	ppb	30.66	1.00	
66 Zn	72	1	0.112	ppb	5.23	1.00	
75 As	72	1	0.017	ppb	37.83	1.00	
78 Se	72	1	0.056	ppb	175.61	1.00	
95 Mo	72	1	0.015	ppb	15.73	1.00	
107 Ag	115	1	0.013	ppb	8.17	1.00	
111 Cd	115	1	0.008	ppb	57.17	1.00	
118 Sn	115	1	0.052	ppb	12.17	1.00	
121 Sb	115	1	0.046	ppb	10.66	1.00	
137 Ba	115	1	0.029	ppb	7.05	1.00	
205 Tl	165	1	0.029	ppb	14.15	1.00	
208 Pb	165	1	0.053	ppb	3.46	1.00	
232 Th	165	1	0.045	ppb	24.29	1.00	
238 U	165	1	0.008	ppb	15.72	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	593827	0.82	715866	83.0	30 - 120	
45 Sc	1	3090402	1.82	3345645	92.4	30 - 120	
72 Ge	1	1911193	0.28	2000336	95.5	30 - 120	
115 In	1	6020277	0.85	6311330	95.4	30 - 120	
165 Ho	1	11687344	0.24	12325117	94.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\075WASH.D\075WASH.D#
Date Acquired: Apr 2 2012 08:44 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.940 ppb	16.28	1.30	
51 V	72	1	5.437 ppb	0.38	6.50	
52 Cr	72	1	2.103 ppb	1.60	2.60	
55 Mn	72	1	1.066 ppb	2.50	1.30	
59 Co	72	1	1.046 ppb	1.42	1.30	
60 Ni	72	1	2.042 ppb	3.61	2.60	
63 Cu	72	1	2.187 ppb	0.80	2.60	
66 Zn	72	1	10.760 ppb	0.79	13.00	
75 As	72	1	5.146 ppb	0.43	6.50	
78 Se	72	1	5.466 ppb	7.95	6.50	
95 Mo	72	1	2.065 ppb	1.96	2.60	
107 Ag	115	1	5.152 ppb	1.30	6.50	
111 Cd	115	1	1.074 ppb	0.89	1.30	
118 Sn	115	1	10.200 ppb	0.62	13.00	
121 Sb	115	1	2.071 ppb	1.54	2.60	
137 Ba	115	1	1.128 ppb	1.57	1.30	
205 Tl	165	1	1.063 ppb	1.50	1.30	
208 Pb	165	1	1.076 ppb	0.45	1.30	
232 Th	165	1	2.060 ppb	1.01	2.60	
238 U	165	1	1.002 ppb	1.79	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	601552	1.52	715866	84.0	30 - 120	
45 Sc	1	3079869	1.36	3345645	92.1	30 - 120	
72 Ge	1	1896823	1.23	2000336	94.8	30 - 120	
115 In	1	6006851	0.38	6311330	95.2	30 - 120	
165 Ho	1	11715825	1.20	12325117	95.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\076_BLK.D\076_BLK.D#
Date Acquired: Apr 2 2012 08:47 pm
Operator: TEL
Sample Name: mb 280-113634/1-b
Misc Info: BLANK 113653 200.8
Vial Number: 2511
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.008 ppb	173.22	2.00	
51 V	72	1	-0.326 ppb	19.95	2.00	
52 Cr	72	1	0.040 ppb	11.94	2.00	
55 Mn	72	1	-0.056 ppb	16.72	2.00	
59 Co	72	1	0.001 ppb	203.97	2.00	
60 Ni	72	1	0.040 ppb	21.76	2.00	
63 Cu	72	1	0.078 ppb	2.17	2.00	
66 Zn	72	1	1.525 ppb	0.19	2.00	
75 As	72	1	0.152 ppb	6.24	2.00	
78 Se	72	1	0.077 ppb	328.83	2.00	
95 Mo	72	1	0.058 ppb	19.28	2.00	
107 Ag	115	1	0.007 ppb	28.58	2.00	
111 Cd	115	1	-0.010 ppb	54.90	2.00	
118 Sn	115	1	0.133 ppb	5.63	2.00	
121 Sb	115	1	0.027 ppb	6.88	2.00	
137 Ba	115	1	0.042 ppb	4.36	2.00	
205 Tl	165	1	0.061 ppb	36.96	2.00	
208 Pb	165	1	0.145 ppb	14.02	2.00	
232 Th	165	1	0.008 ppb	23.00	2.00	
238 U	165	1	0.004 ppb	34.92	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	594527	1.91	715866	83.1	30 - 120	
45 Sc	1	2950913	2.05	3345645	88.2	30 - 120	
72 Ge	1	1836836	1.38	2000336	91.8	30 - 120	
115 In	1	5914693	1.41	6311330	93.7	30 - 120	
165 Ho	1	11588206	1.36	12325117	94.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\077_LCS.D\077_LCS.D#
Date Acquired: Apr 2 2012 08:50 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113634/2-b
Misc Info: LCS
Vial Number: 2512
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	34.16	3.81	40	85.4	80 - 120	
51 V	72	1	32.50	1.70	40	81.3	80 - 120	
52 Cr	72	1	33.16	0.90	40	82.9	80 - 120	
55 Mn	72	1	32.29	2.04	40	80.7	80 - 120	
59 Co	72	1	32.86	0.61	40	82.2	80 - 120	
60 Ni	72	1	31.40	0.67	40	78.5	80 - 120	
63 Cu	72	1	32.55	1.26	40	81.4	80 - 120	
66 Zn	72	1	34.92	0.20	40	87.3	80 - 120	
75 As	72	1	33.54	0.45	40	83.9	80 - 120	
78 Se	72	1	34.58	1.97	40	86.5	80 - 120	
95 Mo	72	1	32.78	0.97	40	82.0	80 - 120	
107 Ag	115	1	34.07	1.37	40	85.2	80 - 120	
111 Cd	115	1	32.82	1.33	40	82.1	80 - 120	
118 Sn	115	1	32.16	1.20	40	80.4	80 - 120	
121 Sb	115	1	33.21	0.58	40	83.0	80 - 120	
137 Ba	115	1	33.23	0.59	40	83.1	80 - 120	
205 Tl	165	1	33.40	0.47	40	83.5	80 - 120	
208 Pb	165	1	33.21	1.14	40	83.0	80 - 120	
232 Th	165	1	32.78	2.14	40	82.0	80 - 120	
238 U	165	1	32.62	1.53	40	81.6	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	564863	3.38	715866	78.9	30 - 120	
45 Sc	1	2796491	1.09	3345645	83.6	30 - 120	
72 Ge	1	1753834	1.21	2000336	87.7	30 - 120	
115 In	1	5675458	0.67	6311330	89.9	30 - 120	
165 Ho	1	11293004	0.78	12325117	91.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\078AREF.D\078AREF.D#
Date Acquired: Apr 2 2012 08:53 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-h-1-b
Misc Info:
Vial Number: 3101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	86.74	3600	
51 V	72	1	2.15	2.15	ppb	2.21	3600	
52 Cr	72	1	0.20	0.20	ppb	6.02	3600	
55 Mn	72	1	1.14	1.14	ppb	5.21	18000	
59 Co	72	1	0.13	0.13	ppb	5.62	3600	
60 Ni	72	1	4.03	4.03	ppb	3.26	3600	
63 Cu	72	1	2.71	2.71	ppb	0.95	3600	
66 Zn	72	1	9.64	9.64	ppb	1.48	3600	
75 As	72	1	17.38	17.38	ppb	0.28	3600	
78 Se	72	1	6.12	6.12	ppb	6.79	3600	
95 Mo	72	1	247.80	247.80	ppb	1.01	3600	
107 Ag	115	1	0.01	0.01	ppb	8.53	3600	
111 Cd	115	1	0.02	0.02	ppb	196.56	3600	
118 Sn	115	1	0.10	0.10	ppb	12.38	3600	
121 Sb	115	1	1.41	1.41	ppb	1.69	3600	
137 Ba	115	1	21.15	21.15	ppb	0.51	3600	
205 Tl	165	1	0.05	0.05	ppb	7.75	3600	
208 Pb	165	1	0.13	0.13	ppb	6.32	3600	
232 Th	165	1	0.07	0.07	ppb	32.36	1000	
238 U	165	1	3.37	3.37	ppb	0.89	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465554	3.10	715866	65.0	30 - 120	
45 Sc	1	2231425	1.94	3345645	66.7	30 - 120	
72 Ge	1	1317726	1.93	2000336	65.9	30 - 120	
115 In	1	4355392	1.90	6311330	69.0	30 - 120	
165 Ho	1	9388623	1.34	12325117	76.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\079_MS.D\079_MS.D#
Date Acquired: Apr 2 2012 08:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-h-1-c ms
Misc Info: MATRIX SPIKE
Vial Number: 3102
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	33.03	0.03	ppb	4.75	40	82.5	50 - 150	
51 V	72	1	38.17	2.15	ppb	1.59	40	90.6	50 - 150	
52 Cr	72	1	34.35	0.20	ppb	1.15	40	85.5	50 - 150	
55 Mn	72	1	33.48	1.14	ppb	0.74	40	81.4	50 - 150	
59 Co	72	1	33.88	0.13	ppb	1.00	40	84.4	50 - 150	
60 Ni	72	1	34.62	4.03	ppb	0.66	40	78.6	50 - 150	
63 Cu	72	1	33.73	2.71	ppb	0.62	40	79.0	50 - 150	
66 Zn	72	1	42.02	9.64	ppb	0.28	40	84.6	50 - 150	
75 As	72	1	52.82	17.38	ppb	0.14	40	92.1	50 - 150	
78 Se	72	1	46.00	6.12	ppb	1.71	40	99.7	50 - 150	
95 Mo	72	1	274.30	247.80	ppb	0.40	40	95.3	50 - 150	
107 Ag	115	1	29.92	0.01	ppb	1.49	40	74.8	50 - 150	
111 Cd	115	1	32.30	0.02	ppb	0.93	40	80.7	50 - 150	
118 Sn	115	1	33.46	0.10	ppb	1.24	40	83.4	50 - 150	
121 Sb	115	1	36.09	1.41	ppb	0.44	40	87.2	50 - 150	
137 Ba	115	1	55.11	21.15	ppb	0.87	40	90.1	50 - 150	
205 Tl	165	1	32.36	0.05	ppb	0.98	40	80.8	50 - 150	
208 Pb	165	1	31.45	0.13	ppb	0.29	40	78.4	50 - 150	
232 Th	165	1	36.19	0.07	ppb	1.21	40	90.3	50 - 150	
238 U	165	1	38.00	3.37	ppb	1.20	40	87.6	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	534232	2.37	715866	74.6	30 - 120	
45 Sc	1	2393688	1.92	3345645	71.5	30 - 120	
72 Ge	1	1410490	1.21	2000336	70.5	30 - 120	
115 In	1	4609180	0.98	6311330	73.0	30 - 120	
165 Ho	1	9885272	0.61	12325117	80.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\080_MSD.D\080_MSD.D#
Date Acquired: Apr 2 2012 08:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-h-1-d msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\079_MS.D\079_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	31.74	ppb	1.55	33.03	3.98	20	
51 V	72	1	39.47	ppb	2.10	38.17	3.35	20	
52 Cr	72	1	35.14	ppb	2.42	34.35	2.27	20	
55 Mn	72	1	33.81	ppb	1.57	33.48	0.98	20	
59 Co	72	1	33.93	ppb	2.47	33.88	0.15	20	
60 Ni	72	1	34.56	ppb	1.47	34.62	0.17	20	
63 Cu	72	1	33.90	ppb	2.71	33.73	0.50	20	
66 Zn	72	1	41.74	ppb	2.00	42.02	0.67	20	
75 As	72	1	52.77	ppb	1.48	52.82	0.09	20	
78 Se	72	1	45.04	ppb	3.82	46.00	2.11	20	
95 Mo	72	1	273.50	ppb	2.16	274.30	0.29	20	
107 Ag	115	1	30.11	ppb	0.44	29.92	0.63	20	
111 Cd	115	1	32.32	ppb	1.18	32.30	0.06	20	
118 Sn	115	1	33.54	ppb	0.53	33.46	0.24	20	
121 Sb	115	1	36.01	ppb	0.41	36.09	0.22	20	
137 Ba	115	1	54.92	ppb	0.51	55.11	0.35	20	
205 Tl	165	1	32.26	ppb	0.38	32.36	0.31	20	
208 Pb	165	1	31.10	ppb	0.89	31.45	1.12	20	
232 Th	165	1	35.95	ppb	0.18	36.19	0.67	20	
238 U	165	1	37.17	ppb	1.17	38.00	2.21	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	590429	2.11	715866	82.5	30 - 120	
45 Sc	1	2520170	1.18	3345645	75.3	30 - 120	
72 Ge	1	1482864	2.87	2000336	74.1	30 - 120	
115 In	1	4793666	0.78	6311330	76.0	30 - 120	
165 Ho	1	10203981	1.00	12325117	82.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\081SMPL.D\081SMPL.D#
Date Acquired: Apr 2 2012 09:02 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-1-b
Misc Info:
Vial Number: 3104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.09	0.09	ppb	43.98	3600	
51 V	72	1	18.86	18.86	ppb	0.78	3600	
52 Cr	72	1	1.36	1.36	ppb	1.24	3600	
55 Mn	72	1	66.09	66.09	ppb	1.00	18000	
59 Co	72	1	0.81	0.81	ppb	1.64	3600	
60 Ni	72	1	3.92	3.92	ppb	1.21	3600	
63 Cu	72	1	110.70	110.70	ppb	0.44	3600	
66 Zn	72	1	149.10	149.10	ppb	0.79	3600	
75 As	72	1	1.51	1.51	ppb	1.79	3600	
78 Se	72	1	4.35	4.35	ppb	10.83	3600	
95 Mo	72	1	3.93	3.93	ppb	1.41	3600	
107 Ag	115	1	0.05	0.05	ppb	4.66	3600	
111 Cd	115	1	0.06	0.06	ppb	17.84	3600	
118 Sn	115	1	0.61	0.61	ppb	3.82	3600	
121 Sb	115	1	0.35	0.35	ppb	1.76	3600	
137 Ba	115	1	95.31	95.31	ppb	0.36	3600	
205 Tl	165	1	0.04	0.04	ppb	11.88	3600	
208 Pb	165	1	0.85	0.85	ppb	1.13	3600	
232 Th	165	1	0.06	0.06	ppb	17.71	1000	
238 U	165	1	17.14	17.14	ppb	1.62	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	589239	1.19	715866	82.3	30 - 120	
45 Sc	1	2685597	1.44	3345645	80.3	30 - 120	
72 Ge	1	1601433	1.13	2000336	80.1	30 - 120	
115 In	1	5121011	0.61	6311330	81.1	30 - 120	
165 Ho	1	10687454	0.82	12325117	86.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\082SMPL.D\082SMPL.D#
Date Acquired: Apr 2 2012 09:05 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-2-b
Misc Info:
Vial Number: 3105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	86.67	3600	
51 V	72	1	0.18	0.18	ppb	2.06	3600	
52 Cr	72	1	0.54	0.54	ppb	2.61	3600	
55 Mn	72	1	17.42	17.42	ppb	0.75	18000	
59 Co	72	1	0.37	0.37	ppb	1.34	3600	
60 Ni	72	1	2.81	2.81	ppb	0.87	3600	
63 Cu	72	1	95.98	95.98	ppb	0.85	3600	
66 Zn	72	1	112.40	112.40	ppb	0.19	3600	
75 As	72	1	0.62	0.62	ppb	5.73	3600	
78 Se	72	1	5.94	5.94	ppb	6.79	3600	
95 Mo	72	1	2.56	2.56	ppb	1.10	3600	
107 Ag	115	1	0.01	0.01	ppb	17.61	3600	
111 Cd	115	1	0.02	0.02	ppb	48.20	3600	
118 Sn	115	1	0.73	0.73	ppb	1.59	3600	
121 Sb	115	1	0.22	0.22	ppb	3.37	3600	
137 Ba	115	1	89.64	89.64	ppb	0.21	3600	
205 Tl	165	1	0.01	0.01	ppb	8.54	3600	
208 Pb	165	1	0.53	0.53	ppb	0.50	3600	
232 Th	165	1	0.02	0.02	ppb	6.69	1000	
238 U	165	1	1.96	1.96	ppb	0.72	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	602169	2.27	715866	84.1	30 - 120	
45 Sc	1	2723271	0.50	3345645	81.4	30 - 120	
72 Ge	1	1626002	0.45	2000336	81.3	30 - 120	
115 In	1	5191910	0.44	6311330	82.3	30 - 120	
165 Ho	1	10819175	0.43	12325117	87.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\083_CCV.D\083_CCV.D#
Date Acquired: Apr 2 2012 09:08 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.07	ppb	0.70	50	104.1	90 - 110	
51 V	72	1	52.07	ppb	0.72	50	104.1	90 - 110	
52 Cr	72	1	51.91	ppb	1.52	50	103.8	90 - 110	
55 Mn	72	1	51.49	ppb	1.28	50	103.0	90 - 110	
59 Co	72	1	52.14	ppb	0.49	50	104.3	90 - 110	
60 Ni	72	1	49.55	ppb	0.38	50	99.1	90 - 110	
63 Cu	72	1	51.81	ppb	0.35	50	103.6	90 - 110	
66 Zn	72	1	50.81	ppb	0.24	50	101.6	90 - 110	
75 As	72	1	51.02	ppb	0.54	50	102.0	90 - 110	
78 Se	72	1	52.21	ppb	2.19	50	104.4	90 - 110	
95 Mo	72	1	50.81	ppb	0.82	50	101.6	90 - 110	
107 Ag	115	1	51.68	ppb	1.77	50	103.4	90 - 110	
111 Cd	115	1	50.24	ppb	0.97	50	100.5	90 - 110	
118 Sn	115	1	50.45	ppb	0.78	50	100.9	90 - 110	
121 Sb	115	1	50.75	ppb	0.63	50	101.5	90 - 110	
137 Ba	115	1	52.10	ppb	0.76	50	104.2	90 - 110	
205 Tl	165	1	51.83	ppb	1.12	50	103.7	90 - 110	
208 Pb	165	1	52.52	ppb	1.58	50	105.0	90 - 110	
232 Th	165	1	51.09	ppb	0.34	50	102.2	90 - 110	
238 U	165	1	50.11	ppb	1.35	50	100.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	609989	0.89	715866	85.2	30 - 120	
45 Sc	1	2888960	0.58	3345645	86.3	30 - 120	
72 Ge	1	1793638	0.41	2000336	89.7	30 - 120	
115 In	1	5767973	0.73	6311330	91.4	30 - 120	
165 Ho	1	11220769	0.99	12325117	91.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\084_CCB.D\084_CCB.D#
Date Acquired: Apr 2 2012 09:10 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.012	ppb	2.86	1.00	
51 V	72	1	-0.005	ppb	215.14	1.00	
52 Cr	72	1	0.019	ppb	15.29	1.00	
55 Mn	72	1	0.047	ppb	18.91	1.00	
59 Co	72	1	0.009	ppb	15.65	1.00	
60 Ni	72	1	0.019	ppb	20.58	1.00	
63 Cu	72	1	0.026	ppb	24.33	1.00	
66 Zn	72	1	0.151	ppb	3.17	1.00	
75 As	72	1	0.019	ppb	49.26	1.00	
78 Se	72	1	0.147	ppb	7.37	1.00	
95 Mo	72	1	0.062	ppb	14.93	1.00	
107 Ag	115	1	0.012	ppb	32.95	1.00	
111 Cd	115	1	0.014	ppb	52.75	1.00	
118 Sn	115	1	0.055	ppb	19.44	1.00	
121 Sb	115	1	0.047	ppb	6.05	1.00	
137 Ba	115	1	0.055	ppb	12.81	1.00	
205 Tl	165	1	0.029	ppb	4.47	1.00	
208 Pb	165	1	0.061	ppb	5.97	1.00	
232 Th	165	1	0.062	ppb	14.62	1.00	
238 U	165	1	0.011	ppb	5.75	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	601882	2.82	715866	84.1	30 - 120	
45 Sc	1	2905211	0.31	3345645	86.8	30 - 120	
72 Ge	1	1805814	0.72	2000336	90.3	30 - 120	
115 In	1	5787205	0.37	6311330	91.7	30 - 120	
165 Ho	1	11355920	0.70	12325117	92.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\085SMPL.D\085SMPL.D#
Date Acquired: Apr 2 2012 09:13 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-3-b
Misc Info:
Vial Number: 3106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	42.29	3600	
51 V	72	1	1.38	1.38	ppb	2.05	3600	
52 Cr	72	1	1.94	1.94	ppb	0.42	3600	
55 Mn	72	1	34.14	34.14	ppb	0.34	18000	
59 Co	72	1	0.48	0.48	ppb	1.91	3600	
60 Ni	72	1	3.75	3.75	ppb	0.53	3600	
63 Cu	72	1	61.99	61.99	ppb	2.72	3600	
66 Zn	72	1	120.30	120.30	ppb	1.01	3600	
75 As	72	1	0.86	0.86	ppb	5.50	3600	
78 Se	72	1	2.62	2.62	ppb	11.41	3600	
95 Mo	72	1	3.64	3.64	ppb	1.58	3600	
107 Ag	115	1	0.01	0.01	ppb	20.94	3600	
111 Cd	115	1	0.02	0.02	ppb	82.92	3600	
118 Sn	115	1	0.44	0.44	ppb	6.30	3600	
121 Sb	115	1	0.24	0.24	ppb	2.55	3600	
137 Ba	115	1	65.04	65.04	ppb	0.71	3600	
205 Tl	165	1	0.03	0.03	ppb	28.88	3600	
208 Pb	165	1	0.79	0.79	ppb	2.68	3600	
232 Th	165	1	0.02	0.02	ppb	18.58	1000	
238 U	165	1	2.42	2.42	ppb	0.79	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	587758	1.35	715866	82.1	30 - 120	
45 Sc	1	2683376	1.30	3345645	80.2	30 - 120	
72 Ge	1	1616495	1.23	2000336	80.8	30 - 120	
115 In	1	5147787	0.71	6311330	81.6	30 - 120	
165 Ho	1	10671861	0.87	12325117	86.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\086SMPL.D\086SMPL.D#
Date Acquired: Apr 2 2012 09:16 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-4-b
Misc Info:
Vial Number: 3107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	2.90	3600	
51 V	72	1	0.23	0.23	ppb	28.00	3600	
52 Cr	72	1	0.63	0.63	ppb	1.56	3600	
55 Mn	72	1	24.66	24.66	ppb	0.26	18000	
59 Co	72	1	0.39	0.39	ppb	0.95	3600	
60 Ni	72	1	3.14	3.14	ppb	2.91	3600	
63 Cu	72	1	62.28	62.28	ppb	1.75	3600	
66 Zn	72	1	126.00	126.00	ppb	0.44	3600	
75 As	72	1	0.76	0.76	ppb	2.18	3600	
78 Se	72	1	2.24	2.24	ppb	5.51	3600	
95 Mo	72	1	2.65	2.65	ppb	1.91	3600	
107 Ag	115	1	0.04	0.04	ppb	4.62	3600	
111 Cd	115	1	0.03	0.03	ppb	45.75	3600	
118 Sn	115	1	0.63	0.63	ppb	1.48	3600	
121 Sb	115	1	0.25	0.25	ppb	2.80	3600	
137 Ba	115	1	62.45	62.45	ppb	0.04	3600	
205 Tl	165	1	0.01	0.01	ppb	8.52	3600	
208 Pb	165	1	0.62	0.62	ppb	0.93	3600	
232 Th	165	1	0.01	0.01	ppb	9.32	1000	
238 U	165	1	1.83	1.83	ppb	0.24	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	599282	2.92	715866	83.7	30 - 120	
45 Sc	1	2707899	0.51	3345645	80.9	30 - 120	
72 Ge	1	1615374	0.55	2000336	80.8	30 - 120	
115 In	1	5154210	0.16	6311330	81.7	30 - 120	
165 Ho	1	10705452	0.26	12325117	86.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\087SMPL.D\087SMPL.D#
Date Acquired: Apr 2 2012 09:19 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-5-b
Misc Info:
Vial Number: 3108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	86.63	3600	
51 V	72	1	1.50	1.50	ppb	8.05	3600	
52 Cr	72	1	0.52	0.52	ppb	1.13	3600	
55 Mn	72	1	17.84	17.84	ppb	1.34	18000	
59 Co	72	1	0.25	0.25	ppb	4.19	3600	
60 Ni	72	1	1.44	1.44	ppb	4.33	3600	
63 Cu	72	1	1.86	1.86	ppb	2.87	3600	
66 Zn	72	1	9.78	9.78	ppb	0.81	3600	
75 As	72	1	1.01	1.01	ppb	2.43	3600	
78 Se	72	1	43.60	43.60	ppb	2.37	3600	
95 Mo	72	1	1.34	1.34	ppb	3.66	3600	
107 Ag	115	1	0.01	0.01	ppb	7.55	3600	
111 Cd	115	1	-0.03	-0.03	ppb	34.65	3600	
118 Sn	115	1	0.07	0.07	ppb	17.24	3600	
121 Sb	115	1	0.07	0.07	ppb	1.38	3600	
137 Ba	115	1	49.12	49.12	ppb	0.95	3600	
205 Tl	165	1	0.01	0.01	ppb	8.04	3600	
208 Pb	165	1	0.22	0.22	ppb	1.69	3600	
232 Th	165	1	0.02	0.02	ppb	8.34	1000	
238 U	165	1	155.90	155.90	ppb	1.91	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	543445	0.20	715866	75.9	30 - 120	
45 Sc	1	2520591	1.26	3345645	75.3	30 - 120	
72 Ge	1	1460836	1.29	2000336	73.0	30 - 120	
115 In	1	4796238	0.66	6311330	76.0	30 - 120	
165 Ho	1	10214923	0.62	12325117	82.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\088SMPL.D\088SMPL.D#
Date Acquired: Apr 2 2012 09:22 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-6-b
Misc Info:
Vial Number: 3109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	33.29	3600	
51 V	72	1	1.12	1.12	ppb	8.81	3600	
52 Cr	72	1	0.26	0.26	ppb	3.96	3600	
55 Mn	72	1	0.62	0.62	ppb	3.61	18000	
59 Co	72	1	0.09	0.09	ppb	9.45	3600	
60 Ni	72	1	0.81	0.81	ppb	4.74	3600	
63 Cu	72	1	1.48	1.48	ppb	1.52	3600	
66 Zn	72	1	20.95	20.95	ppb	0.46	3600	
75 As	72	1	0.89	0.89	ppb	3.45	3600	
78 Se	72	1	61.26	61.26	ppb	2.01	3600	
95 Mo	72	1	1.06	1.06	ppb	5.20	3600	
107 Ag	115	1	0.01	0.01	ppb	23.41	3600	
111 Cd	115	1	-0.03	-0.03	ppb	35.47	3600	
118 Sn	115	1	0.13	0.13	ppb	2.10	3600	
121 Sb	115	1	0.06	0.06	ppb	6.39	3600	
137 Ba	115	1	48.92	48.92	ppb	0.71	3600	
205 Tl	165	1	0.01	0.01	ppb	6.86	3600	
208 Pb	165	1	0.08	0.08	ppb	5.85	3600	
232 Th	165	1	0.01	0.01	ppb	9.86	1000	
238 U	165	1	47.24	47.24	ppb	0.22	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	545830	1.86	715866	76.2	30 - 120	
45 Sc	1	2541647	0.54	3345645	76.0	30 - 120	
72 Ge	1	1492532	0.68	2000336	74.6	30 - 120	
115 In	1	4918640	0.09	6311330	77.9	30 - 120	
165 Ho	1	10343972	0.10	12325117	83.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\089SMPL.D\089SMPL.D#
Date Acquired: Apr 2 2012 09:25 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-7-b
Misc Info:
Vial Number: 3110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.13	3600	
51 V	72	1	1.54	1.54	ppb	3.88	3600	
52 Cr	72	1	0.63	0.63	ppb	2.70	3600	
55 Mn	72	1	0.63	0.63	ppb	2.79	18000	
59 Co	72	1	0.10	0.10	ppb	4.41	3600	
60 Ni	72	1	0.86	0.86	ppb	4.85	3600	
63 Cu	72	1	1.46	1.46	ppb	3.33	3600	
66 Zn	72	1	12.56	12.56	ppb	1.00	3600	
75 As	72	1	1.11	1.11	ppb	2.76	3600	
78 Se	72	1	22.08	22.08	ppb	2.89	3600	
95 Mo	72	1	1.25	1.25	ppb	0.41	3600	
107 Ag	115	1	0.01	0.01	ppb	12.60	3600	
111 Cd	115	1	-0.02	-0.02	ppb	77.68	3600	
118 Sn	115	1	0.06	0.06	ppb	9.69	3600	
121 Sb	115	1	0.08	0.08	ppb	10.00	3600	
137 Ba	115	1	130.20	130.20	ppb	0.72	3600	
205 Tl	165	1	0.01	0.01	ppb	2.92	3600	
208 Pb	165	1	0.11	0.11	ppb	6.08	3600	
232 Th	165	1	0.01	0.01	ppb	14.62	1000	
238 U	165	1	31.88	31.88	ppb	0.99	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	522105	0.21	715866	72.9	30 - 120	
45 Sc	1	2483364	0.55	3345645	74.2	30 - 120	
72 Ge	1	1453311	1.29	2000336	72.7	30 - 120	
115 In	1	4783825	0.45	6311330	75.8	30 - 120	
165 Ho	1	10078382	0.30	12325117	81.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\090SMPL.D\090SMPL.D#
Date Acquired: Apr 2 2012 09:28 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27127-a-8-b
Misc Info:
Vial Number: 3111
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	99.93	3600	
51 V	72	1	5.63	5.63	ppb	2.15	3600	
52 Cr	72	1	0.58	0.58	ppb	7.11	3600	
55 Mn	72	1	0.99	0.99	ppb	1.84	18000	
59 Co	72	1	0.12	0.12	ppb	2.49	3600	
60 Ni	72	1	1.54	1.54	ppb	3.27	3600	
63 Cu	72	1	2.39	2.39	ppb	2.94	3600	
66 Zn	72	1	8.62	8.62	ppb	1.69	3600	
75 As	72	1	3.18	3.18	ppb	2.02	3600	
78 Se	72	1	10.44	10.44	ppb	3.73	3600	
95 Mo	72	1	1.82	1.82	ppb	0.91	3600	
107 Ag	115	1	0.01	0.01	ppb	17.75	3600	
111 Cd	115	1	-0.03	-0.03	ppb	36.34	3600	
118 Sn	115	1	0.08	0.08	ppb	11.49	3600	
121 Sb	115	1	0.09	0.09	ppb	5.21	3600	
137 Ba	115	1	175.10	175.10	ppb	0.59	3600	
205 Tl	165	1	0.01	0.01	ppb	10.96	3600	
208 Pb	165	1	0.09	0.09	ppb	4.49	3600	
232 Th	165	1	0.01	0.01	ppb	11.48	1000	
238 U	165	1	50.25	50.25	ppb	0.77	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	524329	0.27	715866	73.2	30 - 120	
45 Sc	1	2489057	0.88	3345645	74.4	30 - 120	
72 Ge	1	1476571	1.32	2000336	73.8	30 - 120	
115 In	1	4794100	0.45	6311330	76.0	30 - 120	
165 Ho	1	10070450	0.99	12325117	81.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\091_CCV.D\091_CCV.D#
Date Acquired: Apr 2 2012 09:31 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	52.31	ppb	1.97	50	104.6	90 - 110	
51 V	72	1	51.36	ppb	1.42	50	102.7	90 - 110	
52 Cr	72	1	51.73	ppb	1.25	50	103.5	90 - 110	
55 Mn	72	1	51.76	ppb	1.34	50	103.5	90 - 110	
59 Co	72	1	51.19	ppb	2.03	50	102.4	90 - 110	
60 Ni	72	1	49.50	ppb	1.59	50	99.0	90 - 110	
63 Cu	72	1	51.33	ppb	2.01	50	102.7	90 - 110	
66 Zn	72	1	50.48	ppb	0.78	50	101.0	90 - 110	
75 As	72	1	51.11	ppb	1.05	50	102.2	90 - 110	
78 Se	72	1	51.38	ppb	0.47	50	102.8	90 - 110	
95 Mo	72	1	51.40	ppb	0.94	50	102.8	90 - 110	
107 Ag	115	1	51.34	ppb	1.73	50	102.7	90 - 110	
111 Cd	115	1	50.27	ppb	1.36	50	100.5	90 - 110	
118 Sn	115	1	50.80	ppb	1.95	50	101.6	90 - 110	
121 Sb	115	1	50.82	ppb	1.35	50	101.6	90 - 110	
137 Ba	115	1	52.24	ppb	1.23	50	104.5	90 - 110	
205 Tl	165	1	51.58	ppb	0.94	50	103.2	90 - 110	
208 Pb	165	1	51.81	ppb	0.31	50	103.6	90 - 110	
232 Th	165	1	50.74	ppb	1.75	50	101.5	90 - 110	
238 U	165	1	49.71	ppb	1.37	50	99.4	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	548731	1.51	715866	76.7	30 - 120	
45 Sc	1	2593500	1.08	3345645	77.5	30 - 120	
72 Ge	1	1627645	0.75	2000336	81.4	30 - 120	
115 In	1	5319527	0.86	6311330	84.3	30 - 120	
165 Ho	1	10556722	0.39	12325117	85.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\092_CCB.D\092_CCB.D#
Date Acquired: Apr 2 2012 09:34 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.013	ppb	98.93	1.00	
51 V	72	1	0.000	ppb	19409.00	1.00	
52 Cr	72	1	0.020	ppb	36.07	1.00	
55 Mn	72	1	0.007	ppb	202.23	1.00	
59 Co	72	1	0.008	ppb	30.15	1.00	
60 Ni	72	1	0.015	ppb	36.18	1.00	
63 Cu	72	1	0.008	ppb	40.44	1.00	
66 Zn	72	1	0.121	ppb	9.82	1.00	
75 As	72	1	0.015	ppb	79.62	1.00	
78 Se	72	1	0.116	ppb	201.21	1.00	
95 Mo	72	1	0.026	ppb	44.21	1.00	
107 Ag	115	1	0.013	ppb	17.09	1.00	
111 Cd	115	1	0.005	ppb	218.11	1.00	
118 Sn	115	1	0.061	ppb	4.51	1.00	
121 Sb	115	1	0.046	ppb	15.61	1.00	
137 Ba	115	1	0.050	ppb	9.60	1.00	
205 Tl	165	1	0.026	ppb	13.79	1.00	
208 Pb	165	1	0.043	ppb	7.74	1.00	
232 Th	165	1	0.065	ppb	15.11	1.00	
238 U	165	1	0.015	ppb	9.34	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	540412	2.28	715866	75.5	30 - 120	
45 Sc	1	2608326	1.42	3345645	78.0	30 - 120	
72 Ge	1	1621431	0.70	2000336	81.1	30 - 120	
115 In	1	5287299	1.09	6311330	83.8	30 - 120	
165 Ho	1	10411118	0.78	12325117	84.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\093_BLK.D\093_BLK.D#
Date Acquired: Apr 2 2012 09:37 pm
Operator: TEL
Sample Name: mb 280-113682/1-a
Misc Info: BLANK 113682 200.8
Vial Number: 3112
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.017 ppb	116.59	2.00	
51 V	72	1	-0.342 ppb	24.72	2.00	
52 Cr	72	1	0.046 ppb	30.68	2.00	
55 Mn	72	1	-0.018 ppb	99.94	2.00	
59 Co	72	1	0.004 ppb	85.40	2.00	
60 Ni	72	1	0.032 ppb	31.98	2.00	
63 Cu	72	1	0.113 ppb	9.06	2.00	
66 Zn	72	1	0.961 ppb	1.61	2.00	
75 As	72	1	0.156 ppb	13.49	2.00	
78 Se	72	1	0.034 ppb	390.14	2.00	
95 Mo	72	1	0.021 ppb	40.97	2.00	
107 Ag	115	1	0.010 ppb	32.01	2.00	
111 Cd	115	1	-0.013 ppb	35.33	2.00	
118 Sn	115	1	0.086 ppb	8.12	2.00	
121 Sb	115	1	0.028 ppb	2.32	2.00	
137 Ba	115	1	0.041 ppb	25.09	2.00	
205 Tl	165	1	0.023 ppb	32.33	2.00	
208 Pb	165	1	0.051 ppb	14.46	2.00	
232 Th	165	1	0.014 ppb	21.31	2.00	
238 U	165	1	0.013 ppb	47.04	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	591169	2.84	715866	82.6	30 - 120	
45 Sc	1	2672214	0.66	3345645	79.9	30 - 120	
72 Ge	1	1664154	0.58	2000336	83.2	30 - 120	
115 In	1	5366911	1.05	6311330	85.0	30 - 120	
165 Ho	1	10657985	0.72	12325117	86.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\094_LCS.D\094_LCS.D#
Date Acquired: Apr 2 2012 09:40 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113682/2-a
Misc Info: LCS
Vial Number: 3201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	35.98	4.72	40	90.0	80 - 120	
51 V	72	1	33.32	1.17	40	83.3	80 - 120	
52 Cr	72	1	33.58	0.96	40	84.0	80 - 120	
55 Mn	72	1	32.77	1.17	40	81.9	80 - 120	
59 Co	72	1	32.86	2.95	40	82.2	80 - 120	
60 Ni	72	1	31.39	1.00	40	78.5	80 - 120	
63 Cu	72	1	32.75	0.63	40	81.9	80 - 120	
66 Zn	72	1	36.50	0.87	40	91.3	80 - 120	
75 As	72	1	33.96	0.47	40	84.9	80 - 120	
78 Se	72	1	36.26	3.21	40	90.7	80 - 120	
95 Mo	72	1	32.78	1.53	40	82.0	80 - 120	
107 Ag	115	1	33.40	0.39	40	83.5	80 - 120	
111 Cd	115	1	33.01	0.95	40	82.5	80 - 120	
118 Sn	115	1	32.77	0.87	40	81.9	80 - 120	
121 Sb	115	1	33.45	0.79	40	83.6	80 - 120	
137 Ba	115	1	34.52	1.16	40	86.3	80 - 120	
205 Tl	165	1	34.47	0.63	40	86.2	80 - 120	
208 Pb	165	1	33.85	0.96	40	84.6	80 - 120	
232 Th	165	1	33.25	1.39	40	83.1	80 - 120	
238 U	165	1	33.00	0.91	40	82.5	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	560821	1.33	715866	78.3	30 - 120	
45 Sc	1	2608162	1.24	3345645	78.0	30 - 120	
72 Ge	1	1645954	0.93	2000336	82.3	30 - 120	
115 In	1	5341714	0.81	6311330	84.6	30 - 120	
165 Ho	1	10544967	0.91	12325117	85.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\095AREF.D\095AREF.D#
Date Acquired: Apr 2 2012 09:42 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-g-1-d
Misc Info:
Vial Number: 3202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.21	3600	
51 V	72	1	2.00	2.00	ppb	4.19	3600	
52 Cr	72	1	0.27	0.27	ppb	4.05	3600	
55 Mn	72	1	0.76	0.76	ppb	0.25	18000	
59 Co	72	1	0.13	0.13	ppb	2.76	3600	
60 Ni	72	1	3.79	3.79	ppb	1.97	3600	
63 Cu	72	1	2.37	2.37	ppb	1.58	3600	
66 Zn	72	1	3.52	3.52	ppb	1.96	3600	
75 As	72	1	16.64	16.64	ppb	1.88	3600	
78 Se	72	1	5.79	5.79	ppb	9.21	3600	
95 Mo	72	1	236.60	236.60	ppb	1.51	3600	
107 Ag	115	1	0.01	0.01	ppb	15.32	3600	
111 Cd	115	1	0.02	0.02	ppb	128.94	3600	
118 Sn	115	1	0.07	0.07	ppb	18.08	3600	
121 Sb	115	1	1.35	1.35	ppb	1.50	3600	
137 Ba	115	1	20.10	20.10	ppb	0.85	3600	
205 Tl	165	1	0.04	0.04	ppb	10.14	3600	
208 Pb	165	1	0.06	0.06	ppb	3.70	3600	
232 Th	165	1	0.09	0.09	ppb	26.61	1000	
238 U	165	1	3.24	3.24	ppb	0.48	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	488743	1.93	715866	68.3	30 - 120	
45 Sc	1	2283276	2.31	3345645	68.2	30 - 120	
72 Ge	1	1328090	2.62	2000336	66.4	30 - 120	
115 In	1	4388035	2.20	6311330	69.5	30 - 120	
165 Ho	1	9295143	1.21	12325117	75.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\096_MS.D\096_MS.D#
Date Acquired: Apr 2 2012 09:45 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-g-1-e ms
Misc Info: MATRIX SPIKE
Vial Number: 3203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	32.96	0.01	ppb	2.08	40	82.4	50 - 150	
51 V	72	1	37.14	2.00	ppb	1.33	40	88.4	50 - 150	
52 Cr	72	1	33.22	0.27	ppb	0.54	40	82.5	50 - 150	
55 Mn	72	1	32.62	0.76	ppb	0.70	40	80.0	50 - 150	
59 Co	72	1	32.39	0.13	ppb	0.46	40	80.7	50 - 150	
60 Ni	72	1	33.61	3.79	ppb	1.64	40	76.8	50 - 150	
63 Cu	72	1	32.85	2.37	ppb	0.71	40	77.5	50 - 150	
66 Zn	72	1	37.71	3.52	ppb	0.56	40	86.7	50 - 150	
75 As	72	1	51.29	16.64	ppb	0.54	40	90.6	50 - 150	
78 Se	72	1	45.27	5.79	ppb	0.84	40	98.9	50 - 150	
95 Mo	72	1	263.50	236.60	ppb	0.33	40	95.3	50 - 150	
107 Ag	115	1	28.61	0.01	ppb	0.12	40	71.5	50 - 150	
111 Cd	115	1	30.84	0.02	ppb	0.17	40	77.1	50 - 150	
118 Sn	115	1	32.14	0.07	ppb	0.92	40	80.2	50 - 150	
121 Sb	115	1	34.53	1.35	ppb	0.76	40	83.5	50 - 150	
137 Ba	115	1	52.90	20.10	ppb	0.30	40	88.0	50 - 150	
205 Tl	165	1	30.90	0.04	ppb	0.30	40	77.2	50 - 150	
208 Pb	165	1	30.03	0.06	ppb	0.50	40	75.0	50 - 150	
232 Th	165	1	34.60	0.09	ppb	0.96	40	86.3	50 - 150	
238 U	165	1	36.32	3.24	ppb	1.20	40	84.0	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	526938	0.09	715866	73.6	30 - 120	
45 Sc	1	2430322	1.03	3345645	72.6	30 - 120	
72 Ge	1	1426296	1.38	2000336	71.3	30 - 120	
115 In	1	4629580	0.84	6311330	73.4	30 - 120	
165 Ho	1	9681334	0.45	12325117	78.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\097_MSD.D\097_MSD.D#
Date Acquired: Apr 2 2012 09:48 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27121-g-1-f msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 05:22 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\096_MS.D\096_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	33.07	ppb	0.80	32.96	0.33	20	
51 V	72	1	39.29	ppb	1.72	37.14	5.63	20	
52 Cr	72	1	35.27	ppb	0.68	33.22	5.99	20	
55 Mn	72	1	33.12	ppb	0.72	32.62	1.52	20	
59 Co	72	1	34.02	ppb	0.85	32.39	4.91	20	
60 Ni	72	1	34.37	ppb	0.76	33.61	2.24	20	
63 Cu	72	1	33.42	ppb	0.26	32.85	1.72	20	
66 Zn	72	1	36.47	ppb	0.42	37.71	3.34	20	
75 As	72	1	52.50	ppb	0.33	51.29	2.33	20	
78 Se	72	1	46.86	ppb	3.27	45.27	3.45	20	
95 Mo	72	1	270.70	ppb	0.36	263.50	2.70	20	
107 Ag	115	1	29.66	ppb	0.90	28.61	3.60	20	
111 Cd	115	1	31.65	ppb	1.18	30.84	2.59	20	
118 Sn	115	1	32.86	ppb	1.15	32.14	2.22	20	
121 Sb	115	1	35.50	ppb	1.11	34.53	2.77	20	
137 Ba	115	1	54.50	ppb	0.89	52.90	2.98	20	
205 Tl	165	1	31.84	ppb	0.23	30.90	3.00	20	
208 Pb	165	1	30.76	ppb	0.40	30.03	2.40	20	
232 Th	165	1	35.34	ppb	1.38	34.60	2.12	20	
238 U	165	1	36.95	ppb	0.51	36.32	1.72	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	533341	0.99	715866	74.5	30 - 120	
45 Sc	1	2467211	1.27	3345645	73.7	30 - 120	
72 Ge	1	1437736	0.69	2000336	71.9	30 - 120	
115 In	1	4636213	1.20	6311330	73.5	30 - 120	
165 Ho	1	9732050	0.62	12325117	79.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\098_CCV.D\098_CCV.D#
Date Acquired: Apr 2 2012 09:51 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	54.05	ppb	6.48	50	108.1	90 - 110	
51 V	72	1	52.45	ppb	0.53	50	104.9	90 - 110	
52 Cr	72	1	51.83	ppb	0.65	50	103.7	90 - 110	
55 Mn	72	1	50.54	ppb	2.47	50	101.1	90 - 110	
59 Co	72	1	50.55	ppb	1.62	50	101.1	90 - 110	
60 Ni	72	1	48.54	ppb	0.97	50	97.1	90 - 110	
63 Cu	72	1	50.92	ppb	0.99	50	101.8	90 - 110	
66 Zn	72	1	51.97	ppb	3.36	50	103.9	90 - 110	
75 As	72	1	53.07	ppb	3.33	50	106.1	90 - 110	
78 Se	72	1	50.67	ppb	0.71	50	101.3	90 - 110	
95 Mo	72	1	50.07	ppb	1.64	50	100.1	90 - 110	
107 Ag	115	1	52.24	ppb	0.45	50	104.5	90 - 110	
111 Cd	115	1	51.55	ppb	1.96	50	103.1	90 - 110	
118 Sn	115	1	51.47	ppb	1.05	50	102.9	90 - 110	
121 Sb	115	1	53.77	ppb	5.46	50	107.5	90 - 110	
137 Ba	115	1	52.02	ppb	0.75	50	104.0	90 - 110	
205 Tl	165	1	50.51	ppb	1.35	50	101.0	90 - 110	
208 Pb	165	1	50.77	ppb	1.12	50	101.5	90 - 110	
232 Th	165	1	49.96	ppb	1.43	50	99.9	90 - 110	
238 U	165	1	48.59	ppb	0.86	50	97.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	608819	3.22	715866	85.0	30 - 120	
45 Sc	1	3019471	5.04	3345645	90.3	30 - 120	
72 Ge	1	1903661	5.47	2000336	95.2	30 - 120	
115 In	1	5885342	3.02	6311330	93.3	30 - 120	
165 Ho	1	11384992	1.84	12325117	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\099_CCB.D\099_CCB.D#
Date Acquired: Apr 2 2012 09:54 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.021	ppb	35.62	1.00	
51 V	72	1	0.008	ppb	269.17	1.00	
52 Cr	72	1	0.009	ppb	132.65	1.00	
55 Mn	72	1	0.030	ppb	43.42	1.00	
59 Co	72	1	0.013	ppb	34.36	1.00	
60 Ni	72	1	0.014	ppb	33.59	1.00	
63 Cu	72	1	0.030	ppb	18.02	1.00	
66 Zn	72	1	0.149	ppb	9.69	1.00	
75 As	72	1	0.021	ppb	45.66	1.00	
78 Se	72	1	0.069	ppb	265.93	1.00	
95 Mo	72	1	0.093	ppb	12.67	1.00	
107 Ag	115	1	0.017	ppb	9.13	1.00	
111 Cd	115	1	0.009	ppb	119.04	1.00	
118 Sn	115	1	0.054	ppb	5.86	1.00	
121 Sb	115	1	0.053	ppb	4.59	1.00	
137 Ba	115	1	0.052	ppb	14.00	1.00	
205 Tl	165	1	0.032	ppb	5.35	1.00	
208 Pb	165	1	0.058	ppb	6.69	1.00	
232 Th	165	1	0.073	ppb	14.44	1.00	
238 U	165	1	0.014	ppb	2.61	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	582694	3.08	715866	81.4	30 - 120	
45 Sc	1	2913343	3.92	3345645	87.1	30 - 120	
72 Ge	1	1836805	5.71	2000336	91.8	30 - 120	
115 In	1	5752330	1.40	6311330	91.1	30 - 120	
165 Ho	1	11090820	1.48	12325117	90.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\100WASH.D\100WASH.D#
Date Acquired: Apr 2 2012 09:57 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.011 ppb	86.59	1.30	
51 V	72	1	-0.038 ppb	236.74	6.50	
52 Cr	72	1	1.268 ppb	3.43	2.60	
55 Mn	72	1	0.458 ppb	2.48	1.30	
59 Co	72	1	0.071 ppb	8.13	1.30	
60 Ni	72	1	0.994 ppb	4.90	2.60	
63 Cu	72	1	0.401 ppb	4.34	2.60	
66 Zn	72	1	3.502 ppb	1.36	13.00	
75 As	72	1	0.638 ppb	5.17	6.50	
78 Se	72	1	0.419 ppb	12.02	6.50	
95 Mo	72	1	2188.000 ppb	1.35	2.60	
107 Ag	115	1	0.068 ppb	17.76	6.50	
111 Cd	115	1	0.745 ppb	16.11	1.30	
118 Sn	115	1	0.178 ppb	5.68	13.00	
121 Sb	115	1	0.318 ppb	1.76	2.60	
137 Ba	115	1	0.261 ppb	3.55	1.30	
205 Tl	165	1	0.037 ppb	14.16	1.30	
208 Pb	165	1	0.202 ppb	2.95	1.30	
232 Th	165	1	0.074 ppb	14.78	2.60	
238 U	165	1	0.014 ppb	7.73	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	457954	0.96	715866	64.0	30 - 120	
45 Sc	1	2228270	0.51	3345645	66.6	30 - 120	
72 Ge	1	1367784	1.26	2000336	68.4	30 - 120	
115 In	1	4399300	0.34	6311330	69.7	30 - 120	
165 Ho	1	9131876	0.71	12325117	74.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\101WASH.D\101WASH.D#
Date Acquired: Apr 2 2012 10:00 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.009 ppb	86.62	1.30	
51 V	72	1	0.018 ppb	60.25	6.50	
52 Cr	72	1	0.020 ppb	25.27	2.60	
55 Mn	72	1	-0.020 ppb	67.38	1.30	
59 Co	72	1	0.006 ppb	3.03	1.30	
60 Ni	72	1	0.009 ppb	72.63	2.60	
63 Cu	72	1	0.025 ppb	33.81	2.60	
66 Zn	72	1	0.154 ppb	12.76	13.00	
75 As	72	1	0.017 ppb	17.43	6.50	
78 Se	72	1	0.181 ppb	35.41	6.50	
95 Mo	72	1	0.506 ppb	7.01	2.60	
107 Ag	115	1	0.003 ppb	5.24	6.50	
111 Cd	115	1	-0.033 ppb	3.19	1.30	
118 Sn	115	1	0.027 ppb	14.63	13.00	
121 Sb	115	1	0.014 ppb	9.09	2.60	
137 Ba	115	1	0.044 ppb	6.09	1.30	
205 Tl	165	1	0.011 ppb	11.22	1.30	
208 Pb	165	1	0.049 ppb	8.92	1.30	
232 Th	165	1	0.012 ppb	10.00	2.60	
238 U	165	1	0.007 ppb	10.30	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	532296	1.01	715866	74.4	30 - 120	
45 Sc	1	2733619	1.16	3345645	81.7	30 - 120	
72 Ge	1	1723183	0.91	2000336	86.1	30 - 120	
115 In	1	5601548	2.06	6311330	88.8	30 - 120	
165 Ho	1	10854966	1.34	12325117	88.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\102WASH.D\102WASH.D#
Date Acquired: Apr 2 2012 10:03 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.004 ppb	173.20	1.30	
51 V	72	1	0.016 ppb	18.22	6.50	
52 Cr	72	1	0.012 ppb	36.25	2.60	
55 Mn	72	1	-0.093 ppb	8.04	1.30	
59 Co	72	1	0.000 ppb	490.00	1.30	
60 Ni	72	1	0.006 ppb	58.58	2.60	
63 Cu	72	1	0.015 ppb	21.05	2.60	
66 Zn	72	1	0.106 ppb	7.42	13.00	
75 As	72	1	0.013 ppb	31.84	6.50	
78 Se	72	1	0.125 ppb	155.58	6.50	
95 Mo	72	1	0.127 ppb	8.11	2.60	
107 Ag	115	1	0.002 ppb	99.94	6.50	
111 Cd	115	1	-0.028 ppb	9.93	1.30	
118 Sn	115	1	0.010 ppb	38.69	13.00	
121 Sb	115	1	0.008 ppb	27.01	2.60	
137 Ba	115	1	0.012 ppb	22.69	1.30	
205 Tl	165	1	0.006 ppb	14.66	1.30	
208 Pb	165	1	0.017 ppb	8.55	1.30	
232 Th	165	1	0.006 ppb	13.40	2.60	
238 U	165	1	0.002 ppb	8.61	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	551936	1.03	715866	77.1	30 - 120	
45 Sc	1	2840349	1.54	3345645	84.9	30 - 120	
72 Ge	1	1766046	1.23	2000336	88.3	30 - 120	
115 In	1	5683666	0.96	6311330	90.1	30 - 120	
165 Ho	1	10997215	0.22	12325117	89.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\103WASH.D\103WASH.D#
Date Acquired: Apr 2 2012 10:06 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.009 ppb	173.17	1.30	
51 V	72	1	-0.004 ppb	325.39	6.50	
52 Cr	72	1	0.011 ppb	115.95	2.60	
55 Mn	72	1	-0.091 ppb	1.74	1.30	
59 Co	72	1	0.000 ppb	188.99	1.30	
60 Ni	72	1	0.002 ppb	239.27	2.60	
63 Cu	72	1	0.010 ppb	80.52	2.60	
66 Zn	72	1	0.102 ppb	11.14	13.00	
75 As	72	1	0.014 ppb	68.13	6.50	
78 Se	72	1	0.210 ppb	22.35	6.50	
95 Mo	72	1	0.061 ppb	13.13	2.60	
107 Ag	115	1	0.001 ppb	66.79	6.50	
111 Cd	115	1	-0.025 ppb	10.57	1.30	
118 Sn	115	1	0.010 ppb	51.32	13.00	
121 Sb	115	1	0.007 ppb	28.21	2.60	
137 Ba	115	1	0.015 ppb	19.10	1.30	
205 Tl	165	1	0.005 ppb	24.24	1.30	
208 Pb	165	1	0.019 ppb	0.84	1.30	
232 Th	165	1	0.005 ppb	21.35	2.60	
238 U	165	1	0.002 ppb	14.27	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	540606	0.86	715866	75.5	30 - 120	
45 Sc	1	2882880	0.90	3345645	86.2	30 - 120	
72 Ge	1	1787999	1.98	2000336	89.4	30 - 120	
115 In	1	5763057	1.07	6311330	91.3	30 - 120	
165 Ho	1	11004107	0.68	12325117	89.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\104WASH.D\104WASH.D#
Date Acquired: Apr 2 2012 10:09 pm
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	1.30	
51 V	72	1	0.009 ppb	92.38	6.50	
52 Cr	72	1	0.009 ppb	20.16	2.60	
55 Mn	72	1	-0.102 ppb	4.52	1.30	
59 Co	72	1	0.000 ppb	194.70	1.30	
60 Ni	72	1	0.005 ppb	57.71	2.60	
63 Cu	72	1	0.010 ppb	157.22	2.60	
66 Zn	72	1	0.087 ppb	11.06	13.00	
75 As	72	1	0.015 ppb	74.55	6.50	
78 Se	72	1	0.167 ppb	114.70	6.50	
95 Mo	72	1	0.027 ppb	13.24	2.60	
107 Ag	115	1	0.001 ppb	28.17	6.50	
111 Cd	115	1	-0.032 ppb	8.16	1.30	
118 Sn	115	1	0.013 ppb	29.13	13.00	
121 Sb	115	1	0.005 ppb	49.28	2.60	
137 Ba	115	1	0.012 ppb	68.60	1.30	
205 Tl	165	1	0.003 ppb	35.88	1.30	
208 Pb	165	1	0.016 ppb	11.72	1.30	
232 Th	165	1	0.003 ppb	13.35	2.60	
238 U	165	1	0.001 ppb	32.92	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	550308	1.55	715866	76.9	30 - 120	
45 Sc	1	2856625	0.45	3345645	85.4	30 - 120	
72 Ge	1	1786721	1.01	2000336	89.3	30 - 120	
115 In	1	5741960	1.03	6311330	91.0	30 - 120	
165 Ho	1	11023696	0.30	12325117	89.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\105CAL
Date Acquired: Apr 2 2012 10:11 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 05:22 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	100	277.45
52	Cr	72	1	3064	6.71
55	Mn	72	1	1380	7.14
59	Co	72	1	190	15.79
60	Ni	72	1	167	15.10
63	Cu	72	1	1627	14.16
66	Zn	72	1	861	10.14
75	As	72	1	143	20.33
78	Se	72	1	510	10.38
95	Mo	72	1	483	11.40
107	Ag	115	1	107	30.14
111	Cd	115	1	567	9.88
118	Sn	115	1	693	8.69
121	Sb	115	1	116	6.00
137	Ba	115	1	174	5.52
205	Tl	165	1	409	3.29
208	Pb	165	1	1996	5.66
232	Th	165	1	413	7.78
238	U	165	1	309	4.49

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	538957	1.38
45	Sc	1	2852938	1.47
72	Ge	1	1771842	1.13
115	In	1	5738693	1.09
165	Ho	1	10963750	0.09

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\106CAL
Date Acquired: Apr 2 2012 10:14 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342540
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:12 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	0	0.00
51	V	72	1	58	512.13
52	Cr	72	1	2910	2.41
55	Mn	72	1	1257	6.67
59	Co	72	1	173	18.55
60	Ni	72	1	117	35.69
63	Cu	72	1	1107	6.84
66	Zn	72	1	533	8.68
75	As	72	1	127	29.21
78	Se	72	1	503	9.18
95	Mo	72	1	377	27.64
107	Ag	115	1	37	56.78
111	Cd	115	1	603	7.71
118	Sn	115	1	573	28.36
121	Sb	115	1	72	11.62
137	Ba	115	1	129	1.49
205	Tl	165	1	291	4.34
208	Pb	165	1	1746	7.62
232	Th	165	1	287	14.10
238	U	165	1	151	18.37

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	542197	0.78
45	Sc	1	2850994	0.66
72	Ge	1	1758913	0.98
115	In	1	5681129	0.40
165	Ho	1	10936780	0.25

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\107ICAL.D\107ICAL.D#
Date Acquired: Apr 2 2012 10:17 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342531
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:15 pm
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	78266	1.55
51 V	72	1	2364616	0.12
52 Cr	72	1	2707764	1.11
55 Mn	72	1	2543677	1.18
59 Co	72	1	3858502	0.53
60 Ni	72	1	969606	0.66
63 Cu	72	1	2290467	0.50
66 Zn	72	1	373320	0.30
75 As	72	1	277782	0.37
78 Se	72	1	45000	0.47
95 Mo	72	1	1170397	1.55
107 Ag	115	1	3562672	0.61
111 Cd	115	1	593878	0.31
118 Sn	115	1	1644842	1.44
121 Sb	115	1	1630817	0.85
137 Ba	115	1	767620	0.20
205 Tl	165	1	6410211	0.74
208 Pb	165	1	8767212	0.38
232 Th	165	1	8390740	1.97
238 U	165	1	9018701	0.79

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	527696	0.76	542197	97.3	30 - 120	
45 Sc	1	2771787	0.60	2850994	97.2	30 - 120	
72 Ge	1	1715870	0.51	1758913	97.6	30 - 120	
115 In	1	5555146	0.21	5681129	97.8	30 - 120	
165 Ho	1	10802690	0.66	10936779	98.8	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\108_CCV.D\108_CCV.D#
Date Acquired: Apr 2 2012 10:20 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.64	ppb	1.72	50	99.3	90 - 110	
51 V	72	1	50.81	ppb	1.62	50	101.6	90 - 110	
52 Cr	72	1	50.87	ppb	0.74	50	101.7	90 - 110	
55 Mn	72	1	51.05	ppb	0.52	50	102.1	90 - 110	
59 Co	72	1	51.27	ppb	1.17	50	102.5	90 - 110	
60 Ni	72	1	48.48	ppb	0.49	50	97.0	90 - 110	
63 Cu	72	1	50.72	ppb	1.21	50	101.4	90 - 110	
66 Zn	72	1	49.99	ppb	0.13	50	100.0	90 - 110	
75 As	72	1	49.86	ppb	0.29	50	99.7	90 - 110	
78 Se	72	1	50.43	ppb	2.17	50	100.9	90 - 110	
95 Mo	72	1	49.33	ppb	0.46	50	98.7	90 - 110	
107 Ag	115	1	51.19	ppb	1.60	50	102.4	90 - 110	
111 Cd	115	1	49.81	ppb	0.65	50	99.6	90 - 110	
118 Sn	115	1	48.82	ppb	1.20	50	97.6	90 - 110	
121 Sb	115	1	49.18	ppb	1.09	50	98.4	90 - 110	
137 Ba	115	1	49.96	ppb	0.53	50	99.9	90 - 110	
205 Tl	165	1	51.01	ppb	1.12	50	102.0	90 - 110	
208 Pb	165	1	50.63	ppb	0.44	50	101.3	90 - 110	
232 Th	165	1	50.11	ppb	0.98	50	100.2	90 - 110	
238 U	165	1	50.09	ppb	1.28	50	100.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	525334	0.77	542197	96.9	30 - 120	
45 Sc	1	2751145	0.20	2850994	96.5	30 - 120	
72 Ge	1	1696827	0.27	1758913	96.5	30 - 120	
115 In	1	5542774	0.94	5681129	97.6	30 - 120	
165 Ho	1	10816436	0.27	10936779	98.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\109_CCB.D\109_CCB.D#
Date Acquired: Apr 2 2012 10:23 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element		IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9	Be	6	1	0.021	ppb	124.97	1.00	
51	V	72	1	0.007	ppb	154.14	1.00	
52	Cr	72	1	0.008	ppb	134.72	1.00	
55	Mn	72	1	0.077	ppb	6.27	1.00	
59	Co	72	1	0.010	ppb	27.00	1.00	
60	Ni	72	1	0.011	ppb	14.63	1.00	
63	Cu	72	1	0.022	ppb	17.54	1.00	
66	Zn	72	1	0.065	ppb	9.74	1.00	
75	As	72	1	0.005	ppb	56.58	1.00	
78	Se	72	1	-0.012	ppb	152.53	1.00	
95	Mo	72	1	0.014	ppb	32.78	1.00	
107	Ag	115	1	0.018	ppb	21.66	1.00	
111	Cd	115	1	0.007	ppb	128.51	1.00	
118	Sn	115	1	0.048	ppb	17.36	1.00	
121	Sb	115	1	0.063	ppb	5.49	1.00	
137	Ba	115	1	0.016	ppb	17.53	1.00	
205	Tl	165	1	0.035	ppb	10.10	1.00	
208	Pb	165	1	0.017	ppb	12.20	1.00	
232	Th	165	1	0.069	ppb	13.88	1.00	
238	U	165	1	0.012	ppb	16.66	1.00	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	521762	0.71	542197	96.2	30 - 120	
45	Sc	1	2727927	0.73	2850994	95.7	30 - 120	
72	Ge	1	1697120	0.35	1758913	96.5	30 - 120	
115	In	1	5512751	0.85	5681129	97.0	30 - 120	
165	Ho	1	10753336	0.35	10936779	98.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\110WASH.D\110WASH.D#
Date Acquired: Apr 2 2012 10:26 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.992 ppb	1.42	1.30	
51 V	72	1	5.242 ppb	0.19	6.50	
52 Cr	72	1	2.080 ppb	1.72	2.60	
55 Mn	72	1	1.133 ppb	2.27	1.30	
59 Co	72	1	1.053 ppb	2.01	1.30	
60 Ni	72	1	2.035 ppb	2.73	2.60	
63 Cu	72	1	2.125 ppb	1.82	2.60	
66 Zn	72	1	10.580 ppb	0.75	13.00	
75 As	72	1	5.068 ppb	1.12	6.50	
78 Se	72	1	4.904 ppb	6.13	6.50	
95 Mo	72	1	2.066 ppb	4.98	2.60	
107 Ag	115	1	5.130 ppb	0.66	6.50	
111 Cd	115	1	1.015 ppb	3.75	1.30	
118 Sn	115	1	9.883 ppb	1.89	13.00	
121 Sb	115	1	2.027 ppb	0.78	2.60	
137 Ba	115	1	1.050 ppb	2.38	1.30	
205 Tl	165	1	1.063 ppb	1.44	1.30	
208 Pb	165	1	1.034 ppb	1.11	1.30	
232 Th	165	1	2.066 ppb	2.02	2.60	
238 U	165	1	1.027 ppb	0.34	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	520841	0.82	542197	96.1	30 - 120	
45 Sc	1	2751899	0.53	2850994	96.5	30 - 120	
72 Ge	1	1698696	0.95	1758913	96.6	30 - 120	
115 In	1	5540316	0.71	5681129	97.5	30 - 120	
165 Ho	1	10702934	0.56	10936779	97.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\111SMPL.D\111SMPL.D#
Date Acquired: Apr 2 2012 10:29 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: SOIL MDLV
Vial Number: 2501
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.25	3600	
51 V	72	1	-0.02	-0.02	ppb	29.31	3600	
52 Cr	72	1	0.05	0.05	ppb	6.75	3600	
55 Mn	72	1	0.02	0.02	ppb	18.88	18000	
59 Co	72	1	0.00	0.00	ppb	63.10	3600	
60 Ni	72	1	0.04	0.04	ppb	44.21	3600	
63 Cu	72	1	0.16	0.16	ppb	3.25	3600	
66 Zn	72	1	2.95	2.95	ppb	0.25	3600	
75 As	72	1	0.00	0.00	ppb	398.80	3600	
78 Se	72	1	-0.08	-0.08	ppb	266.42	3600	
95 Mo	72	1	0.00	0.00	ppb	105.56	3600	
107 Ag	115	1	0.01	0.01	ppb	28.46	3600	
111 Cd	115	1	0.01	0.01	ppb	77.55	3600	
118 Sn	115	1	0.04	0.04	ppb	17.39	3600	
121 Sb	115	1	0.02	0.02	ppb	7.48	3600	
137 Ba	115	1	0.52	0.52	ppb	1.16	3600	
205 Tl	165	1	0.01	0.01	ppb	4.18	3600	
208 Pb	165	1	0.03	0.03	ppb	7.03	3600	
232 Th	165	1	0.02	0.02	ppb	2.15	1000	
238 U	165	1	0.01	0.01	ppb	10.80	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	524518	0.20	542197	96.7	30 - 120	
45 Sc	1	2757631	2.50	2850994	96.7	30 - 120	
72 Ge	1	1686553	0.77	1758913	95.9	30 - 120	
115 In	1	5557911	0.29	5681129	97.8	30 - 120	
165 Ho	1	10806829	0.62	10936779	98.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\112SMPL.D\112SMPL.D#
Date Acquired: Apr 2 2012 10:32 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV1
Misc Info:
Vial Number: 2502
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.14	0.14	ppb	10.30	3600	
51 V	72	1	0.18	0.18	ppb	11.76	3600	
52 Cr	72	1	0.46	0.46	ppb	0.74	3600	
55 Mn	72	1	0.27	0.27	ppb	1.03	18000	
59 Co	72	1	0.04	0.04	ppb	12.07	3600	
60 Ni	72	1	0.25	0.25	ppb	9.51	3600	
63 Cu	72	1	0.62	0.62	ppb	1.80	3600	
66 Zn	72	1	2.20	2.20	ppb	2.30	3600	
75 As	72	1	0.32	0.32	ppb	4.86	3600	
78 Se	72	1	0.20	0.20	ppb	86.28	3600	
95 Mo	72	1	0.15	0.15	ppb	8.02	3600	
107 Ag	115	1	0.13	0.13	ppb	1.05	3600	
111 Cd	115	1	0.06	0.06	ppb	16.63	3600	
118 Sn	115	1	0.42	0.42	ppb	1.53	3600	
121 Sb	115	1	0.09	0.09	ppb	1.36	3600	
137 Ba	115	1	0.90	0.90	ppb	0.61	3600	
205 Tl	165	1	0.03	0.03	ppb	0.76	3600	
208 Pb	165	1	0.18	0.18	ppb	4.88	3600	
232 Th	165	1	0.21	0.21	ppb	1.44	1000	
238 U	165	1	0.02	0.02	ppb	8.62	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	532325	0.78	542197	98.2	30 - 120	
45 Sc	1	2753328	0.75	2850994	96.6	30 - 120	
72 Ge	1	1701980	1.57	1758913	96.8	30 - 120	
115 In	1	5562415	1.02	5681129	97.9	30 - 120	
165 Ho	1	10691402	1.74	10936779	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\113SMPL.D\113SMPL.D#
Date Acquired: Apr 2 2012 10:34 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV2
Misc Info:
Vial Number: 2503
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.11	0.11	ppb	17.46	3600	
51 V	72	1	0.23	0.23	ppb	8.40	3600	
52 Cr	72	1	0.40	0.40	ppb	2.99	3600	
55 Mn	72	1	0.24	0.24	ppb	5.16	18000	
59 Co	72	1	0.04	0.04	ppb	6.77	3600	
60 Ni	72	1	0.22	0.22	ppb	0.84	3600	
63 Cu	72	1	0.63	0.63	ppb	1.45	3600	
66 Zn	72	1	2.16	2.16	ppb	1.24	3600	
75 As	72	1	0.30	0.30	ppb	4.28	3600	
78 Se	72	1	0.36	0.36	ppb	60.36	3600	
95 Mo	72	1	0.12	0.12	ppb	15.36	3600	
107 Ag	115	1	0.13	0.13	ppb	3.02	3600	
111 Cd	115	1	0.05	0.05	ppb	17.99	3600	
118 Sn	115	1	0.41	0.41	ppb	2.61	3600	
121 Sb	115	1	0.09	0.09	ppb	3.49	3600	
137 Ba	115	1	0.52	0.52	ppb	0.96	3600	
205 Tl	165	1	0.02	0.02	ppb	11.72	3600	
208 Pb	165	1	0.15	0.15	ppb	3.08	3600	
232 Th	165	1	0.20	0.20	ppb	2.07	1000	
238 U	165	1	0.01	0.01	ppb	11.55	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	526112	0.53	542197	97.0	30 - 120	
45 Sc	1	2747204	0.32	2850994	96.4	30 - 120	
72 Ge	1	1686924	0.90	1758913	95.9	30 - 120	
115 In	1	5539723	0.25	5681129	97.5	30 - 120	
165 Ho	1	10855452	1.51	10936779	99.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\114SMPL.D\114SMPL.D#
Date Acquired: Apr 2 2012 10:37 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: 6020 MDLV
Vial Number: 2504
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	173.24	3600	
51 V	72	1	0.00	0.00	ppb	739.18	3600	
52 Cr	72	1	0.03	0.03	ppb	19.48	3600	
55 Mn	72	1	0.00	0.00	ppb	411.79	18000	
59 Co	72	1	0.00	0.00	ppb	73.48	3600	
60 Ni	72	1	0.01	0.01	ppb	38.92	3600	
63 Cu	72	1	0.02	0.02	ppb	6.53	3600	
66 Zn	72	1	0.52	0.52	ppb	1.91	3600	
75 As	72	1	0.00	0.00	ppb	13.95	3600	
78 Se	72	1	-0.02	-0.02	ppb	185.65	3600	
95 Mo	72	1	-0.01	-0.01	ppb	49.07	3600	
107 Ag	115	1	0.00	0.00	ppb	110.30	3600	
111 Cd	115	1	0.02	0.02	ppb	23.20	3600	
118 Sn	115	1	0.03	0.03	ppb	29.16	3600	
121 Sb	115	1	0.00	0.00	ppb	34.47	3600	
137 Ba	115	1	0.01	0.01	ppb	66.77	3600	
205 Tl	165	1	0.00	0.00	ppb	26.73	3600	
208 Pb	165	1	0.00	0.00	ppb	137.08	3600	
232 Th	165	1	0.01	0.01	ppb	23.85	1000	
238 U	165	1	0.00	0.00	ppb	34.14	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	531396	0.24	542197	98.0	30 - 120	
45 Sc	1	2746560	1.24	2850994	96.3	30 - 120	
72 Ge	1	1671711	1.07	1758913	95.0	30 - 120	
115 In	1	5575408	1.44	5681129	98.1	30 - 120	
165 Ho	1	10865510	0.11	10936779	99.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\115SMPL.D\115SMPL.D#
Date Acquired: Apr 2 2012 10:40 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV1
Misc Info:
Vial Number: 2505
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.27	0.27	ppb	23.51	3600	
51 V	72	1	1.08	1.08	ppb	3.73	3600	
52 Cr	72	1	1.67	1.67	ppb	2.67	3600	
55 Mn	72	1	1.12	1.12	ppb	1.70	18000	
59 Co	72	1	0.11	0.11	ppb	6.48	3600	
60 Ni	72	1	0.93	0.93	ppb	0.91	3600	
63 Cu	72	1	1.54	1.54	ppb	1.62	3600	
66 Zn	72	1	6.11	6.11	ppb	0.42	3600	
75 As	72	1	0.87	0.87	ppb	3.21	3600	
78 Se	72	1	1.77	1.77	ppb	13.03	3600	
95 Mo	72	1	0.47	0.47	ppb	1.47	3600	
107 Ag	115	1	0.10	0.10	ppb	5.93	3600	
111 Cd	115	1	0.12	0.12	ppb	16.14	3600	
118 Sn	115	1	1.96	1.96	ppb	1.21	3600	
121 Sb	115	1	0.54	0.54	ppb	2.19	3600	
137 Ba	115	1	0.90	0.90	ppb	2.16	3600	
205 Tl	165	1	0.11	0.11	ppb	1.67	3600	
208 Pb	165	1	0.53	0.53	ppb	2.54	3600	
232 Th	165	1	3.64	3.64	ppb	1.27	1000	
238 U	165	1	0.07	0.07	ppb	1.82	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	529665	0.58	542197	97.7	30 - 120	
45 Sc	1	2739309	1.40	2850994	96.1	30 - 120	
72 Ge	1	1593423	0.84	1758913	90.6	30 - 120	
115 In	1	5479867	0.85	5681129	96.5	30 - 120	
165 Ho	1	10780004	0.01	10936779	98.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\116SMPL.D\116SMPL.D#
Date Acquired: Apr 2 2012 10:43 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV2
Misc Info:
Vial Number: 2506
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.22	0.22	ppb	35.33	3600	
51 V	72	1	1.03	1.03	ppb	2.57	3600	
52 Cr	72	1	1.68	1.68	ppb	1.55	3600	
55 Mn	72	1	1.06	1.06	ppb	3.28	18000	
59 Co	72	1	0.11	0.11	ppb	9.66	3600	
60 Ni	72	1	0.91	0.91	ppb	0.99	3600	
63 Cu	72	1	1.54	1.54	ppb	1.24	3600	
66 Zn	72	1	5.97	5.97	ppb	1.38	3600	
75 As	72	1	0.88	0.88	ppb	5.17	3600	
78 Se	72	1	1.50	1.50	ppb	27.36	3600	
95 Mo	72	1	0.47	0.47	ppb	1.32	3600	
107 Ag	115	1	0.11	0.11	ppb	2.32	3600	
111 Cd	115	1	0.11	0.11	ppb	2.38	3600	
118 Sn	115	1	2.02	2.02	ppb	2.33	3600	
121 Sb	115	1	0.53	0.53	ppb	3.20	3600	
137 Ba	115	1	0.88	0.88	ppb	1.06	3600	
205 Tl	165	1	0.11	0.11	ppb	2.44	3600	
208 Pb	165	1	0.52	0.52	ppb	0.81	3600	
232 Th	165	1	3.64	3.64	ppb	1.03	1000	
238 U	165	1	0.07	0.07	ppb	2.66	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	531255	0.20	542197	98.0	30 - 120	
45 Sc	1	2753399	0.77	2850994	96.6	30 - 120	
72 Ge	1	1597657	0.85	1758913	90.8	30 - 120	
115 In	1	5515143	0.54	5681129	97.1	30 - 120	
165 Ho	1	10911079	0.52	10936779	99.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\117_CCV.D\117_CCV.D#
Date Acquired: Apr 2 2012 10:46 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.35	ppb	1.76	50	98.7	90 - 110	
51 V	72	1	51.34	ppb	0.35	50	102.7	90 - 110	
52 Cr	72	1	50.75	ppb	1.78	50	101.5	90 - 110	
55 Mn	72	1	51.08	ppb	0.58	50	102.2	90 - 110	
59 Co	72	1	51.67	ppb	1.59	50	103.3	90 - 110	
60 Ni	72	1	48.41	ppb	1.52	50	96.8	90 - 110	
63 Cu	72	1	50.95	ppb	1.82	50	101.9	90 - 110	
66 Zn	72	1	50.05	ppb	0.74	50	100.1	90 - 110	
75 As	72	1	49.88	ppb	0.77	50	99.8	90 - 110	
78 Se	72	1	49.00	ppb	1.06	50	98.0	90 - 110	
95 Mo	72	1	49.63	ppb	1.14	50	99.3	90 - 110	
107 Ag	115	1	50.82	ppb	1.87	50	101.6	90 - 110	
111 Cd	115	1	49.85	ppb	0.91	50	99.7	90 - 110	
118 Sn	115	1	49.02	ppb	0.73	50	98.0	90 - 110	
121 Sb	115	1	49.42	ppb	0.85	50	98.8	90 - 110	
137 Ba	115	1	50.00	ppb	0.97	50	100.0	90 - 110	
205 Tl	165	1	51.10	ppb	0.53	50	102.2	90 - 110	
208 Pb	165	1	50.83	ppb	0.63	50	101.7	90 - 110	
232 Th	165	1	50.37	ppb	1.30	50	100.7	90 - 110	
238 U	165	1	50.41	ppb	0.60	50	100.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	531158	1.96	542197	98.0	30 - 120	
45 Sc	1	2734921	0.21	2850994	95.9	30 - 120	
72 Ge	1	1692316	0.30	1758913	96.2	30 - 120	
115 In	1	5545993	0.74	5681129	97.6	30 - 120	
165 Ho	1	10852195	0.41	10936779	99.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\118_CCB.D\118_CCB.D#
Date Acquired: Apr 2 2012 10:49 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.004	ppb	173.22	1.00	
51 V	72	1	0.014	ppb	17.27	1.00	
52 Cr	72	1	0.011	ppb	51.67	1.00	
55 Mn	72	1	0.065	ppb	6.33	1.00	
59 Co	72	1	0.006	ppb	5.56	1.00	
60 Ni	72	1	0.012	ppb	35.18	1.00	
63 Cu	72	1	0.024	ppb	32.74	1.00	
66 Zn	72	1	0.067	ppb	8.98	1.00	
75 As	72	1	0.002	ppb	306.39	1.00	
78 Se	72	1	-0.013	ppb	1222.40	1.00	
95 Mo	72	1	0.015	ppb	46.46	1.00	
107 Ag	115	1	0.013	ppb	20.54	1.00	
111 Cd	115	1	-0.003	ppb	137.70	1.00	
118 Sn	115	1	0.034	ppb	13.22	1.00	
121 Sb	115	1	0.041	ppb	8.42	1.00	
137 Ba	115	1	0.013	ppb	26.03	1.00	
205 Tl	165	1	0.026	ppb	15.71	1.00	
208 Pb	165	1	0.016	ppb	14.35	1.00	
232 Th	165	1	0.060	ppb	18.90	1.00	
238 U	165	1	0.009	ppb	9.74	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	528229	1.25	542197	97.4	30 - 120	
45 Sc	1	2721671	0.48	2850994	95.5	30 - 120	
72 Ge	1	1674029	0.41	1758913	95.2	30 - 120	
115 In	1	5520442	0.65	5681129	97.2	30 - 120	
165 Ho	1	10739994	0.53	10936779	98.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\119WASH.D\119WASH.D#
Date Acquired: Apr 2 2012 10:52 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.072 ppb	6.92	1.30	
51 V	72	1	5.252 ppb	2.13	6.50	
52 Cr	72	1	2.053 ppb	3.33	2.60	
55 Mn	72	1	1.163 ppb	1.36	1.30	
59 Co	72	1	1.049 ppb	1.82	1.30	
60 Ni	72	1	2.044 ppb	2.62	2.60	
63 Cu	72	1	2.122 ppb	1.70	2.60	
66 Zn	72	1	10.580 ppb	1.00	13.00	
75 As	72	1	4.987 ppb	1.23	6.50	
78 Se	72	1	5.032 ppb	8.97	6.50	
95 Mo	72	1	2.041 ppb	0.87	2.60	
107 Ag	115	1	5.122 ppb	1.04	6.50	
111 Cd	115	1	1.042 ppb	0.58	1.30	
118 Sn	115	1	9.990 ppb	2.25	13.00	
121 Sb	115	1	2.014 ppb	2.37	2.60	
137 Ba	115	1	1.058 ppb	3.72	1.30	
205 Tl	165	1	1.064 ppb	0.97	1.30	
208 Pb	165	1	1.059 ppb	0.69	1.30	
232 Th	165	1	2.082 ppb	2.44	2.60	
238 U	165	1	1.039 ppb	0.84	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	522047	0.25	542197	96.3	30 - 120	
45 Sc	1	2719056	0.46	2850994	95.4	30 - 120	
72 Ge	1	1690931	0.93	1758913	96.1	30 - 120	
115 In	1	5516726	0.67	5681129	97.1	30 - 120	
165 Ho	1	10701484	0.22	10936779	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\120SMPL.D\120SMPL.D#
Date Acquired: Apr 2 2012 10:55 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: SOIL MDLV
Vial Number: 2501
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	99.69	3600	
51 V	72	1	0.01	0.01	ppb	39.50	3600	
52 Cr	72	1	0.04	0.04	ppb	7.58	3600	
55 Mn	72	1	0.06	0.06	ppb	7.38	18000	
59 Co	72	1	0.00	0.00	ppb	28.31	3600	
60 Ni	72	1	0.04	0.04	ppb	22.88	3600	
63 Cu	72	1	0.14	0.14	ppb	2.23	3600	
66 Zn	72	1	2.89	2.89	ppb	2.13	3600	
75 As	72	1	0.00	0.00	ppb	234.52	3600	
78 Se	72	1	0.04	0.04	ppb	118.22	3600	
95 Mo	72	1	0.01	0.01	ppb	53.79	3600	
107 Ag	115	1	0.00	0.00	ppb	14.26	3600	
111 Cd	115	1	0.01	0.01	ppb	130.85	3600	
118 Sn	115	1	0.05	0.05	ppb	5.03	3600	
121 Sb	115	1	0.02	0.02	ppb	10.98	3600	
137 Ba	115	1	0.55	0.55	ppb	4.24	3600	
205 Tl	165	1	0.01	0.01	ppb	3.93	3600	
208 Pb	165	1	0.04	0.04	ppb	11.32	3600	
232 Th	165	1	0.01	0.01	ppb	5.28	1000	
238 U	165	1	0.01	0.01	ppb	11.50	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	522897	0.53	542197	96.4	30 - 120	
45 Sc	1	2766299	0.30	2850994	97.0	30 - 120	
72 Ge	1	1680850	0.83	1758913	95.6	30 - 120	
115 In	1	5511825	0.90	5681129	97.0	30 - 120	
165 Ho	1	10758587	0.76	10936779	98.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\121SMPL.D\121SMPL.D#
Date Acquired: Apr 2 2012 10:58 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV1
Misc Info:
Vial Number: 2502
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.12	0.12	ppb	30.40	3600	
51 V	72	1	0.20	0.20	ppb	9.97	3600	
52 Cr	72	1	0.45	0.45	ppb	1.61	3600	
55 Mn	72	1	0.26	0.26	ppb	5.87	18000	
59 Co	72	1	0.04	0.04	ppb	7.23	3600	
60 Ni	72	1	0.25	0.25	ppb	3.20	3600	
63 Cu	72	1	0.61	0.61	ppb	3.88	3600	
66 Zn	72	1	2.16	2.16	ppb	1.55	3600	
75 As	72	1	0.31	0.31	ppb	6.17	3600	
78 Se	72	1	0.44	0.44	ppb	32.94	3600	
95 Mo	72	1	0.12	0.12	ppb	6.52	3600	
107 Ag	115	1	0.13	0.13	ppb	6.00	3600	
111 Cd	115	1	0.06	0.06	ppb	33.69	3600	
118 Sn	115	1	0.41	0.41	ppb	5.21	3600	
121 Sb	115	1	0.09	0.09	ppb	6.78	3600	
137 Ba	115	1	0.87	0.87	ppb	1.45	3600	
205 Tl	165	1	0.02	0.02	ppb	10.55	3600	
208 Pb	165	1	0.16	0.16	ppb	4.57	3600	
232 Th	165	1	0.21	0.21	ppb	5.16	1000	
238 U	165	1	0.01	0.01	ppb	2.75	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	525133	0.47	542197	96.9	30 - 120	
45 Sc	1	2744651	1.36	2850994	96.3	30 - 120	
72 Ge	1	1700966	1.37	1758913	96.7	30 - 120	
115 In	1	5517406	0.86	5681129	97.1	30 - 120	
165 Ho	1	10743495	1.15	10936779	98.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\122SMPL.D\122SMPL.D#
Date Acquired: Apr 2 2012 11:01 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV2
Misc Info:
Vial Number: 2503
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.17	0.17	ppb	15.27	3600	
51 V	72	1	0.23	0.23	ppb	5.98	3600	
52 Cr	72	1	0.42	0.42	ppb	3.54	3600	
55 Mn	72	1	0.22	0.22	ppb	1.55	18000	
59 Co	72	1	0.04	0.04	ppb	5.36	3600	
60 Ni	72	1	0.21	0.21	ppb	9.64	3600	
63 Cu	72	1	0.61	0.61	ppb	6.70	3600	
66 Zn	72	1	2.12	2.12	ppb	1.12	3600	
75 As	72	1	0.31	0.31	ppb	4.57	3600	
78 Se	72	1	0.68	0.68	ppb	6.05	3600	
95 Mo	72	1	0.09	0.09	ppb	2.96	3600	
107 Ag	115	1	0.12	0.12	ppb	4.10	3600	
111 Cd	115	1	0.05	0.05	ppb	13.49	3600	
118 Sn	115	1	0.40	0.40	ppb	2.72	3600	
121 Sb	115	1	0.08	0.08	ppb	2.94	3600	
137 Ba	115	1	0.50	0.50	ppb	2.16	3600	
205 Tl	165	1	0.02	0.02	ppb	3.58	3600	
208 Pb	165	1	0.14	0.14	ppb	3.75	3600	
232 Th	165	1	0.21	0.21	ppb	1.02	1000	
238 U	165	1	0.01	0.01	ppb	2.93	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	523712	0.23	542197	96.6	30 - 120	
45 Sc	1	2740861	1.08	2850994	96.1	30 - 120	
72 Ge	1	1675600	1.15	1758913	95.3	30 - 120	
115 In	1	5546388	0.75	5681129	97.6	30 - 120	
165 Ho	1	10773779	0.30	10936779	98.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\123SMPL.D\123SMPL.D#
Date Acquired: Apr 2 2012 11:04 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: HOT Sb MDLV
Vial Number: 2507
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	-1.75	-1.75	ppb	17.74	3600	
52 Cr	72	1	46.05	46.05	ppb	0.36	3600	
55 Mn	72	1	5.12	5.12	ppb	0.59	18000	
59 Co	72	1	0.33	0.33	ppb	2.14	3600	
60 Ni	72	1	22.33	22.33	ppb	0.29	3600	
63 Cu	72	1	1.82	1.82	ppb	0.39	3600	
66 Zn	72	1	1.05	1.05	ppb	4.61	3600	
75 As	72	1	0.45	0.45	ppb	3.01	3600	
78 Se	72	1	-0.12	-0.12	ppb	59.36	3600	
95 Mo	72	1	1.35	1.35	ppb	2.07	3600	
107 Ag	115	1	0.01	0.01	ppb	8.23	3600	
111 Cd	115	1	-0.02	-0.02	ppb	46.06	3600	
118 Sn	115	1	0.20	0.20	ppb	7.80	3600	
121 Sb	115	1	0.10	0.10	ppb	9.54	3600	
137 Ba	115	1	0.34	0.34	ppb	5.25	3600	
205 Tl	165	1	0.03	0.03	ppb	45.92	3600	
208 Pb	165	1	0.10	0.10	ppb	14.13	3600	
232 Th	165	1	0.00	0.00	ppb	21.18	1000	
238 U	165	1	0.01	0.01	ppb	7.97	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	539008	3.11	542197	99.4	30 - 120	
45 Sc	1	2545460	1.28	2850994	89.3	30 - 120	
72 Ge	1	1588220	0.83	1758913	90.3	30 - 120	
115 In	1	5232184	0.26	5681129	92.1	30 - 120	
165 Ho	1	10452670	0.05	10936779	95.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\124SMPL.D\124SMPL.D#
Date Acquired: Apr 2 2012 11:06 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: HOT Sb MDLV
Vial Number: 2508
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	-0.99	-0.99	ppb	19.30	3600	
52 Cr	72	1	0.35	0.35	ppb	1.82	3600	
55 Mn	72	1	0.37	0.37	ppb	3.30	18000	
59 Co	72	1	0.00	0.00	ppb	24.50	3600	
60 Ni	72	1	0.18	0.18	ppb	7.54	3600	
63 Cu	72	1	0.41	0.41	ppb	4.52	3600	
66 Zn	72	1	0.96	0.96	ppb	3.32	3600	
75 As	72	1	0.43	0.43	ppb	2.85	3600	
78 Se	72	1	0.09	0.09	ppb	199.44	3600	
95 Mo	72	1	0.04	0.04	ppb	31.36	3600	
107 Ag	115	1	0.01	0.01	ppb	14.24	3600	
111 Cd	115	1	-0.01	-0.01	ppb	65.44	3600	
118 Sn	115	1	0.15	0.15	ppb	3.13	3600	
121 Sb	115	1	0.08	0.08	ppb	9.09	3600	
137 Ba	115	1	0.36	0.36	ppb	5.66	3600	
205 Tl	165	1	0.01	0.01	ppb	17.95	3600	
208 Pb	165	1	0.08	0.08	ppb	2.15	3600	
232 Th	165	1	0.00	0.00	ppb	41.34	1000	
238 U	165	1	0.01	0.01	ppb	7.48	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	527684	0.50	542197	97.3	30 - 120	
45 Sc	1	2497667	0.35	2850994	87.6	30 - 120	
72 Ge	1	1546009	0.71	1758913	87.9	30 - 120	
115 In	1	5210173	1.13	5681129	91.7	30 - 120	
165 Ho	1	10398837	0.62	10936779	95.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\125SMPL.D\125SMPL.D#
Date Acquired: Apr 2 2012 11:09 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV1
Misc Info:
Vial Number: 2509
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	-1.17	-1.17	ppb	9.31	3600	
52 Cr	72	1	0.25	0.25	ppb	3.27	3600	
55 Mn	72	1	0.33	0.33	ppb	3.33	18000	
59 Co	72	1	0.00	0.00	ppb	167.21	3600	
60 Ni	72	1	0.11	0.11	ppb	21.83	3600	
63 Cu	72	1	0.36	0.36	ppb	2.99	3600	
66 Zn	72	1	0.91	0.91	ppb	5.52	3600	
75 As	72	1	0.45	0.45	ppb	4.05	3600	
78 Se	72	1	-0.23	-0.23	ppb	70.55	3600	
95 Mo	72	1	0.01	0.01	ppb	92.77	3600	
107 Ag	115	1	0.12	0.12	ppb	5.37	3600	
111 Cd	115	1	-0.01	-0.01	ppb	44.80	3600	
118 Sn	115	1	0.48	0.48	ppb	6.12	3600	
121 Sb	115	1	0.14	0.14	ppb	2.12	3600	
137 Ba	115	1	0.22	0.22	ppb	1.37	3600	
205 Tl	165	1	0.00	0.00	ppb	7.79	3600	
208 Pb	165	1	0.18	0.18	ppb	2.44	3600	
232 Th	165	1	0.00	0.00	ppb	126.20	1000	
238 U	165	1	0.01	0.01	ppb	7.08	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	518950	1.40	542197	95.7	30 - 120	
45 Sc	1	2461096	0.07	2850994	86.3	30 - 120	
72 Ge	1	1508891	0.82	1758913	85.8	30 - 120	
115 In	1	5151324	0.69	5681129	90.7	30 - 120	
165 Ho	1	10335030	1.07	10936779	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\126SMPL.D\126SMPL.D#
Date Acquired: Apr 2 2012 11:12 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV2
Misc Info:
Vial Number: 2510
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	173.20	3600	
51 V	72	1	-1.14	-1.14	ppb	18.25	3600	
52 Cr	72	1	0.24	0.24	ppb	4.61	3600	
55 Mn	72	1	0.19	0.19	ppb	3.86	18000	
59 Co	72	1	0.00	0.00	ppb	95.05	3600	
60 Ni	72	1	0.09	0.09	ppb	15.08	3600	
63 Cu	72	1	0.32	0.32	ppb	4.07	3600	
66 Zn	72	1	0.89	0.89	ppb	4.52	3600	
75 As	72	1	0.44	0.44	ppb	7.49	3600	
78 Se	72	1	-0.01	-0.01	ppb	1767.90	3600	
95 Mo	72	1	0.00	0.00	ppb	246.07	3600	
107 Ag	115	1	0.14	0.14	ppb	0.12	3600	
111 Cd	115	1	-0.01	-0.01	ppb	31.31	3600	
118 Sn	115	1	0.51	0.51	ppb	3.44	3600	
121 Sb	115	1	0.14	0.14	ppb	0.52	3600	
137 Ba	115	1	0.28	0.28	ppb	4.08	3600	
205 Tl	165	1	0.00	0.00	ppb	29.01	3600	
208 Pb	165	1	0.16	0.16	ppb	1.60	3600	
232 Th	165	1	0.00	0.00	ppb	360.21	1000	
238 U	165	1	0.00	0.00	ppb	11.72	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	511474	0.60	542197	94.3	30 - 120	
45 Sc	1	2434081	1.38	2850994	85.4	30 - 120	
72 Ge	1	1518727	0.88	1758913	86.3	30 - 120	
115 In	1	5128202	0.25	5681129	90.3	30 - 120	
165 Ho	1	10323794	1.03	10936779	94.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\127_CCV.D\127_CCV.D#
Date Acquired: Apr 2 2012 11:15 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.74	ppb	2.24	50	99.5	90 - 110	
51 V	72	1	49.54	ppb	2.64	50	99.1	90 - 110	
52 Cr	72	1	49.81	ppb	1.13	50	99.6	90 - 110	
55 Mn	72	1	50.83	ppb	1.06	50	101.7	90 - 110	
59 Co	72	1	50.75	ppb	1.54	50	101.5	90 - 110	
60 Ni	72	1	47.34	ppb	0.85	50	94.7	90 - 110	
63 Cu	72	1	50.06	ppb	0.89	50	100.1	90 - 110	
66 Zn	72	1	49.77	ppb	0.61	50	99.5	90 - 110	
75 As	72	1	49.04	ppb	0.62	50	98.1	90 - 110	
78 Se	72	1	50.49	ppb	0.70	50	101.0	90 - 110	
95 Mo	72	1	49.42	ppb	0.59	50	98.8	90 - 110	
107 Ag	115	1	50.63	ppb	1.23	50	101.3	90 - 110	
111 Cd	115	1	49.47	ppb	0.45	50	98.9	90 - 110	
118 Sn	115	1	49.28	ppb	0.59	50	98.6	90 - 110	
121 Sb	115	1	48.99	ppb	0.20	50	98.0	90 - 110	
137 Ba	115	1	50.45	ppb	0.72	50	100.9	90 - 110	
205 Tl	165	1	51.92	ppb	0.80	50	103.8	90 - 110	
208 Pb	165	1	51.42	ppb	0.46	50	102.8	90 - 110	
232 Th	165	1	52.23	ppb	1.28	50	104.5	90 - 110	
238 U	165	1	52.85	ppb	0.72	50	105.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	467571	0.76	542197	86.2	30 - 120	
45 Sc	1	2400607	0.67	2850994	84.2	30 - 120	
72 Ge	1	1508014	0.41	1758913	85.7	30 - 120	
115 In	1	5070133	0.49	5681129	89.2	30 - 120	
165 Ho	1	10154615	0.64	10936779	92.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\128_CCB.D\128_CCB.D#
Date Acquired: Apr 2 2012 11:18 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.010	ppb	173.22	1.00	
51 V	72	1	-0.002	ppb	447.17	1.00	
52 Cr	72	1	0.000	ppb	1677.00	1.00	
55 Mn	72	1	0.057	ppb	17.79	1.00	
59 Co	72	1	0.003	ppb	53.59	1.00	
60 Ni	72	1	0.011	ppb	4.41	1.00	
63 Cu	72	1	0.010	ppb	36.11	1.00	
66 Zn	72	1	0.067	ppb	37.52	1.00	
75 As	72	1	0.005	ppb	34.42	1.00	
78 Se	72	1	-0.079	ppb	81.04	1.00	
95 Mo	72	1	-0.001	ppb	786.13	1.00	
107 Ag	115	1	0.012	ppb	1.94	1.00	
111 Cd	115	1	-0.007	ppb	115.39	1.00	
118 Sn	115	1	0.027	ppb	36.00	1.00	
121 Sb	115	1	0.039	ppb	10.47	1.00	
137 Ba	115	1	0.006	ppb	47.40	1.00	
205 Tl	165	1	0.020	ppb	9.80	1.00	
208 Pb	165	1	0.009	ppb	32.69	1.00	
232 Th	165	1	0.062	ppb	16.99	1.00	
238 U	165	1	0.007	ppb	5.93	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	472875	0.40	542197	87.2	30 - 120	
45 Sc	1	2441824	0.34	2850994	85.6	30 - 120	
72 Ge	1	1530644	0.88	1758913	87.0	30 - 120	
115 In	1	5158346	0.60	5681129	90.8	30 - 120	
165 Ho	1	10130089	0.88	10936779	92.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\129WASH.D\129WASH.D#
Date Acquired: Apr 2 2012 11:21 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.878 ppb	10.55	1.30	
51 V	72	1	5.212 ppb	2.19	6.50	
52 Cr	72	1	2.044 ppb	0.89	2.60	
55 Mn	72	1	1.111 ppb	3.20	1.30	
59 Co	72	1	1.043 ppb	2.56	1.30	
60 Ni	72	1	1.979 ppb	2.39	2.60	
63 Cu	72	1	2.108 ppb	1.79	2.60	
66 Zn	72	1	10.590 ppb	1.81	13.00	
75 As	72	1	5.085 ppb	3.23	6.50	
78 Se	72	1	5.511 ppb	9.29	6.50	
95 Mo	72	1	2.078 ppb	2.82	2.60	
107 Ag	115	1	5.046 ppb	1.31	6.50	
111 Cd	115	1	1.038 ppb	1.11	1.30	
118 Sn	115	1	9.935 ppb	1.81	13.00	
121 Sb	115	1	2.018 ppb	0.89	2.60	
137 Ba	115	1	1.061 ppb	1.91	1.30	
205 Tl	165	1	1.070 ppb	0.81	1.30	
208 Pb	165	1	1.049 ppb	0.62	1.30	
232 Th	165	1	2.098 ppb	3.09	2.60	
238 U	165	1	1.053 ppb	0.49	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	478750	0.36	542197	88.3	30 - 120	
45 Sc	1	2503062	0.90	2850994	87.8	30 - 120	
72 Ge	1	1541817	1.38	1758913	87.7	30 - 120	
115 In	1	5163534	0.51	5681129	90.9	30 - 120	
165 Ho	1	10264604	0.05	10936779	93.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\130SMPL.D\130SMPL.D#
Date Acquired: Apr 2 2012 11:24 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLVB
Misc Info: HOT Sb MDLV
Vial Number: 2508
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	100.16	3600	
51 V	72	1	-0.82	-0.82	ppb	11.18	3600	
52 Cr	72	1	0.34	0.34	ppb	0.63	3600	
55 Mn	72	1	0.33	0.33	ppb	3.80	18000	
59 Co	72	1	0.00	0.00	ppb	28.92	3600	
60 Ni	72	1	0.15	0.15	ppb	13.03	3600	
63 Cu	72	1	0.36	0.36	ppb	3.75	3600	
66 Zn	72	1	0.85	0.85	ppb	2.78	3600	
75 As	72	1	0.39	0.39	ppb	4.35	3600	
78 Se	72	1	-0.21	-0.21	ppb	61.22	3600	
95 Mo	72	1	0.02	0.02	ppb	33.31	3600	
107 Ag	115	1	0.01	0.01	ppb	10.66	3600	
111 Cd	115	1	-0.02	-0.02	ppb	60.12	3600	
118 Sn	115	1	0.17	0.17	ppb	4.98	3600	
121 Sb	115	1	0.06	0.06	ppb	9.92	3600	
137 Ba	115	1	0.33	0.33	ppb	4.13	3600	
205 Tl	165	1	0.01	0.01	ppb	40.92	3600	
208 Pb	165	1	0.08	0.08	ppb	6.63	3600	
232 Th	165	1	0.01	0.01	ppb	11.57	1000	
238 U	165	1	0.01	0.01	ppb	8.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	528121	0.82	542197	97.4	30 - 120	
45 Sc	1	2517539	1.54	2850994	88.3	30 - 120	
72 Ge	1	1551546	0.69	1758913	88.2	30 - 120	
115 In	1	5209066	1.95	5681129	91.7	30 - 120	
165 Ho	1	10464387	0.91	10936779	95.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\131SMPL.D\131SMPL.D#
Date Acquired: Apr 2 2012 11:27 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV1
Misc Info:
Vial Number: 2509
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	-0.97	-0.97	ppb	15.13	3600	
52 Cr	72	1	0.24	0.24	ppb	3.06	3600	
55 Mn	72	1	0.32	0.32	ppb	2.16	18000	
59 Co	72	1	0.00	0.00	ppb	251.29	3600	
60 Ni	72	1	0.11	0.11	ppb	14.16	3600	
63 Cu	72	1	0.35	0.35	ppb	8.80	3600	
66 Zn	72	1	0.84	0.84	ppb	3.81	3600	
75 As	72	1	0.47	0.47	ppb	1.58	3600	
78 Se	72	1	-0.15	-0.15	ppb	155.29	3600	
95 Mo	72	1	0.02	0.02	ppb	37.03	3600	
107 Ag	115	1	0.13	0.13	ppb	5.36	3600	
111 Cd	115	1	-0.02	-0.02	ppb	41.44	3600	
118 Sn	115	1	0.49	0.49	ppb	3.17	3600	
121 Sb	115	1	0.13	0.13	ppb	5.36	3600	
137 Ba	115	1	0.22	0.22	ppb	2.96	3600	
205 Tl	165	1	0.00	0.00	ppb	34.05	3600	
208 Pb	165	1	0.18	0.18	ppb	0.57	3600	
232 Th	165	1	0.01	0.01	ppb	19.84	1000	
238 U	165	1	0.01	0.01	ppb	1.26	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	514562	0.91	542197	94.9	30 - 120	
45 Sc	1	2425943	0.44	2850994	85.1	30 - 120	
72 Ge	1	1515161	0.27	1758913	86.1	30 - 120	
115 In	1	5092326	0.31	5681129	89.6	30 - 120	
165 Ho	1	10218124	0.38	10936779	93.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\132SMPL.D\132SMPL.D#
Date Acquired: Apr 2 2012 11:30 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: MDLV2
Misc Info:
Vial Number: 2510
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	-1.02	-1.02	ppb	31.17	3600	
52 Cr	72	1	0.25	0.25	ppb	3.30	3600	
55 Mn	72	1	0.20	0.20	ppb	10.21	18000	
59 Co	72	1	0.00	0.00	ppb	61.02	3600	
60 Ni	72	1	0.10	0.10	ppb	13.92	3600	
63 Cu	72	1	0.33	0.33	ppb	4.06	3600	
66 Zn	72	1	0.84	0.84	ppb	2.07	3600	
75 As	72	1	0.43	0.43	ppb	3.68	3600	
78 Se	72	1	-0.19	-0.19	ppb	70.40	3600	
95 Mo	72	1	0.01	0.01	ppb	107.57	3600	
107 Ag	115	1	0.13	0.13	ppb	5.41	3600	
111 Cd	115	1	-0.01	-0.01	ppb	75.00	3600	
118 Sn	115	1	0.52	0.52	ppb	1.66	3600	
121 Sb	115	1	0.13	0.13	ppb	2.18	3600	
137 Ba	115	1	0.27	0.27	ppb	0.58	3600	
205 Tl	165	1	0.00	0.00	ppb	23.11	3600	
208 Pb	165	1	0.16	0.16	ppb	3.69	3600	
232 Th	165	1	0.00	0.00	ppb	5.76	1000	
238 U	165	1	0.00	0.00	ppb	13.46	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	516243	1.22	542197	95.2	30 - 120	
45 Sc	1	2401281	0.54	2850994	84.2	30 - 120	
72 Ge	1	1505707	0.46	1758913	85.6	30 - 120	
115 In	1	5036145	0.47	5681129	88.6	30 - 120	
165 Ho	1	10257337	0.66	10936779	93.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\133_CCV.D\133_CCV.D#
Date Acquired: Apr 2 2012 11:33 pm
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.43	ppb	1.13	50	100.9	90 - 110	
51 V	72	1	50.45	ppb	1.28	50	100.9	90 - 110	
52 Cr	72	1	50.09	ppb	1.00	50	100.2	90 - 110	
55 Mn	72	1	50.96	ppb	1.10	50	101.9	90 - 110	
59 Co	72	1	50.86	ppb	0.65	50	101.7	90 - 110	
60 Ni	72	1	47.55	ppb	0.19	50	95.1	90 - 110	
63 Cu	72	1	50.18	ppb	1.49	50	100.4	90 - 110	
66 Zn	72	1	49.66	ppb	0.31	50	99.3	90 - 110	
75 As	72	1	49.22	ppb	0.15	50	98.4	90 - 110	
78 Se	72	1	51.24	ppb	2.83	50	102.5	90 - 110	
95 Mo	72	1	49.91	ppb	0.08	50	99.8	90 - 110	
107 Ag	115	1	51.44	ppb	0.44	50	102.9	90 - 110	
111 Cd	115	1	49.59	ppb	1.15	50	99.2	90 - 110	
118 Sn	115	1	49.19	ppb	0.91	50	98.4	90 - 110	
121 Sb	115	1	49.22	ppb	0.41	50	98.4	90 - 110	
137 Ba	115	1	50.28	ppb	0.97	50	100.6	90 - 110	
205 Tl	165	1	52.90	ppb	0.63	50	105.8	90 - 110	
208 Pb	165	1	52.41	ppb	0.17	50	104.8	90 - 110	
232 Th	165	1	53.06	ppb	1.21	50	106.1	90 - 110	
238 U	165	1	53.22	ppb	1.28	50	106.4	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	452088	0.31	542197	83.4	30 - 120	
45 Sc	1	2385027	0.71	2850994	83.7	30 - 120	
72 Ge	1	1474129	0.19	1758913	83.8	30 - 120	
115 In	1	4977347	0.82	5681129	87.6	30 - 120	
165 Ho	1	9949572	0.26	10936779	91.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\134_CCB.D\134_CCB.D#
Date Acquired: Apr 2 2012 11:36 pm
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.010	ppb	86.60	1.00	
51 V	72	1	-0.005	ppb	380.28	1.00	
52 Cr	72	1	0.008	ppb	71.29	1.00	
55 Mn	72	1	0.061	ppb	7.00	1.00	
59 Co	72	1	0.004	ppb	25.57	1.00	
60 Ni	72	1	0.014	ppb	32.53	1.00	
63 Cu	72	1	0.010	ppb	48.24	1.00	
66 Zn	72	1	0.089	ppb	4.35	1.00	
75 As	72	1	0.010	ppb	71.87	1.00	
78 Se	72	1	0.187	ppb	160.76	1.00	
95 Mo	72	1	-0.004	ppb	136.25	1.00	
107 Ag	115	1	0.011	ppb	1.26	1.00	
111 Cd	115	1	-0.008	ppb	154.26	1.00	
118 Sn	115	1	0.029	ppb	10.68	1.00	
121 Sb	115	1	0.040	ppb	13.43	1.00	
137 Ba	115	1	0.004	ppb	151.51	1.00	
205 Tl	165	1	0.020	ppb	7.90	1.00	
208 Pb	165	1	0.011	ppb	31.00	1.00	
232 Th	165	1	0.061	ppb	18.36	1.00	
238 U	165	1	0.008	ppb	10.21	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	458202	0.42	542197	84.5	30 - 120	
45 Sc	1	2400634	1.23	2850994	84.2	30 - 120	
72 Ge	1	1484108	0.29	1758913	84.4	30 - 120	
115 In	1	5004020	1.14	5681129	88.1	30 - 120	
165 Ho	1	9988970	0.48	10936779	91.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\135WASH.D\135WASH.D#
Date Acquired: Apr 2 2012 11:39 pm
Operator: TEL
Sample Name: LLICV-1342544
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.918 ppb	14.79	1.30	
51 V	72	1	5.165 ppb	1.82	6.50	
52 Cr	72	1	2.032 ppb	1.38	2.60	
55 Mn	72	1	1.140 ppb	1.05	1.30	
59 Co	72	1	1.054 ppb	2.57	1.30	
60 Ni	72	1	1.984 ppb	2.60	2.60	
63 Cu	72	1	2.144 ppb	2.67	2.60	
66 Zn	72	1	10.840 ppb	1.99	13.00	
75 As	72	1	5.062 ppb	1.15	6.50	
78 Se	72	1	5.358 ppb	5.93	6.50	
95 Mo	72	1	2.040 ppb	4.50	2.60	
107 Ag	115	1	5.116 ppb	1.09	6.50	
111 Cd	115	1	1.018 ppb	3.29	1.30	
118 Sn	115	1	10.050 ppb	2.27	13.00	
121 Sb	115	1	2.015 ppb	0.54	2.60	
137 Ba	115	1	1.038 ppb	1.21	1.30	
205 Tl	165	1	1.087 ppb	1.73	1.30	
208 Pb	165	1	1.065 ppb	0.63	1.30	
232 Th	165	1	2.130 ppb	1.44	2.60	
238 U	165	1	1.069 ppb	0.80	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465251	0.13	542197	85.8	30 - 120	
45 Sc	1	2425646	0.56	2850994	85.1	30 - 120	
72 Ge	1	1493770	1.05	1758913	84.9	30 - 120	
115 In	1	5059016	0.19	5681129	89.0	30 - 120	
165 Ho	1	10051654	0.79	10936779	91.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\136_BLK.D\136_BLK.D#
Date Acquired: Apr 2 2012 11:41 pm
Operator: TEL
Sample Name: mb 280-113788/1-a
Misc Info: BLANK 113788 Soil
Vial Number: 3205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.005 ppb	173.22	2.00	
51 V	72	1	-0.008 ppb	162.66	2.00	
52 Cr	72	1	0.063 ppb	14.13	2.00	
55 Mn	72	1	0.059 ppb	11.82	2.00	
59 Co	72	1	0.002 ppb	43.55	2.00	
60 Ni	72	1	0.262 ppb	9.25	2.00	
63 Cu	72	1	0.238 ppb	1.91	2.00	
66 Zn	72	1	0.463 ppb	2.89	2.00	
75 As	72	1	0.006 ppb	189.59	2.00	
78 Se	72	1	-0.119 ppb	160.37	2.00	
95 Mo	72	1	0.008 ppb	73.33	2.00	
107 Ag	115	1	0.009 ppb	19.80	2.00	
111 Cd	115	1	0.015 ppb	93.86	2.00	
118 Sn	115	1	0.047 ppb	16.80	2.00	
121 Sb	115	1	0.008 ppb	4.23	2.00	
137 Ba	115	1	0.093 ppb	9.07	2.00	
205 Tl	165	1	0.004 ppb	32.72	2.00	
208 Pb	165	1	0.021 ppb	15.19	2.00	
232 Th	165	1	0.018 ppb	13.69	2.00	
238 U	165	1	0.005 ppb	10.41	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	471003	0.18	542197	86.9	30 - 120	
45 Sc	1	2446566	1.59	2850994	85.8	30 - 120	
72 Ge	1	1514551	0.08	1758913	86.1	30 - 120	
115 In	1	5125140	0.39	5681129	90.2	30 - 120	
165 Ho	1	10089586	0.32	10936779	92.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\137_LCS.D\137_LCS.D#
Date Acquired: Apr 2 2012 11:44 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113788/2-a
Misc Info: LCS
Vial Number: 3206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	39.42	1.53	40	98.6	80 - 120	
51 V	72	1	40.32	1.22	40	100.8	80 - 120	
52 Cr	72	1	40.66	1.47	40	101.7	80 - 120	
55 Mn	72	1	40.61	0.31	40	101.5	80 - 120	
59 Co	72	1	40.82	1.25	40	102.1	80 - 120	
60 Ni	72	1	38.32	0.54	40	95.8	80 - 120	
63 Cu	72	1	39.59	0.56	40	99.0	80 - 120	
66 Zn	72	1	40.26	0.17	40	100.7	80 - 120	
75 As	72	1	38.66	0.65	40	96.7	80 - 120	
78 Se	72	1	39.40	0.76	40	98.5	80 - 120	
95 Mo	72	1	39.45	0.29	40	98.6	80 - 120	
107 Ag	115	1	39.23	0.63	40	98.1	80 - 120	
111 Cd	115	1	38.09	0.25	40	95.2	80 - 120	
118 Sn	115	1	38.35	0.18	40	95.9	80 - 120	
121 Sb	115	1	38.00	0.81	40	95.0	80 - 120	
137 Ba	115	1	39.45	0.89	40	98.6	80 - 120	
205 Tl	165	1	41.26	0.42	40	103.2	80 - 120	
208 Pb	165	1	40.75	0.68	40	101.9	80 - 120	
232 Th	165	1	40.63	1.70	40	101.6	80 - 120	
238 U	165	1	41.64	0.86	40	104.1	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	470182	0.51	542197	86.7	30 - 120	
45 Sc	1	2461192	0.76	2850994	86.3	30 - 120	
72 Ge	1	1507160	0.02	1758913	85.7	30 - 120	
115 In	1	5150048	1.06	5681129	90.7	30 - 120	
165 Ho	1	10187184	0.61	10936779	93.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Labratory Control Spike Duplicate Sample (LCSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\138LCSD.D\138LCSD.D#
Date Acquired: Apr 2 2012 11:47 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcsd 280-113788/3-a
Misc Info: LCSD
Vial Number: 3207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: LCSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\137_LCS.D\137_LCS.D#

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	Ref Conc	(%)Dif	Max(%)Dif	Flag
9 Be	6	1	38.48 ppb	3.47	39.42	2.41	2000	
51 V	72	1	39.03 ppb	2.76	40.32	3.25	2000	
52 Cr	72	1	39.10 ppb	1.05	40.66	3.91	2000	
55 Mn	72	1	39.72 ppb	2.04	40.61	2.22	2000	
59 Co	72	1	39.54 ppb	1.07	40.82	3.19	2000	
60 Ni	72	1	37.09 ppb	1.50	38.32	3.26	2000	
63 Cu	72	1	38.36 ppb	0.64	39.59	3.16	2000	
66 Zn	72	1	37.68 ppb	1.37	40.26	6.62	2000	
75 As	72	1	37.17 ppb	0.69	38.66	3.93	2000	
78 Se	72	1	37.66 ppb	4.21	39.40	4.52	2000	
95 Mo	72	1	38.08 ppb	0.98	39.45	3.53	2000	
107 Ag	115	1	39.02 ppb	0.81	39.23	0.54	2000	
111 Cd	115	1	37.48 ppb	0.98	38.09	1.61	2000	
118 Sn	115	1	37.59 ppb	0.64	38.35	2.00	2000	
121 Sb	115	1	37.28 ppb	0.91	38.00	1.91	2000	
137 Ba	115	1	38.74 ppb	0.56	39.45	1.82	2000	
205 Tl	165	1	40.39 ppb	1.54	41.26	2.13	2000	
208 Pb	165	1	39.69 ppb	0.93	40.75	2.64	2000	
232 Th	165	1	40.02 ppb	1.08	40.63	1.51	2000	
238 U	165	1	40.44 ppb	1.09	41.64	2.92	2000	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	472265	0.43	542197	87.1	30 - 120	
45 Sc	1	2453968	0.90	2850994	86.1	30 - 120	
72 Ge	1	1528396	0.90	1758913	86.9	30 - 120	
115 In	1	5128945	1.17	5681129	90.3	30 - 120	
165 Ho	1	10212995	1.37	10936779	93.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\139AREF.D\139AREF.D#
Date Acquired: Apr 2 2012 11:50 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-1-d
Misc Info:
Vial Number: 3208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.92	0.92	ppb	11.14	3600	
51 V	72	1	112.90	112.90	ppb	0.80	3600	
52 Cr	72	1	14.64	14.64	ppb	0.11	3600	
55 Mn	72	1	313.80	313.80	ppb	0.54	18000	
59 Co	72	1	6.34	6.34	ppb	1.37	3600	
60 Ni	72	1	35.20	35.20	ppb	0.59	3600	
63 Cu	72	1	23.79	23.79	ppb	0.38	3600	
66 Zn	72	1	75.00	75.00	ppb	0.35	3600	
75 As	72	1	5.40	5.40	ppb	0.84	3600	
78 Se	72	1	1.59	1.59	ppb	16.94	3600	
95 Mo	72	1	8.66	8.66	ppb	0.21	3600	
107 Ag	115	1	0.09	0.09	ppb	4.55	3600	
111 Cd	115	1	0.47	0.47	ppb	10.68	3600	
118 Sn	115	1	0.27	0.27	ppb	1.30	3600	
121 Sb	115	1	0.05	0.05	ppb	5.94	3600	
137 Ba	115	1	218.80	218.80	ppb	2.08	3600	
205 Tl	165	1	0.26	0.26	ppb	5.97	3600	
208 Pb	165	1	36.48	36.48	ppb	0.70	3600	
232 Th	165	1	12.22	12.22	ppb	0.82	1000	
238 U	165	1	1.18	1.18	ppb	0.57	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	450873	0.56	542197	83.2	30 - 120	
45 Sc	1	2384658	0.55	2850994	83.6	30 - 120	
72 Ge	1	1474719	0.35	1758913	83.8	30 - 120	
115 In	1	4912393	0.67	5681129	86.5	30 - 120	
165 Ho	1	9891666	0.30	10936779	90.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\140SDIL.D\140SDIL.D#
Date Acquired: Apr 2 2012 11:53 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-1-d SD@5
Misc Info: SERIAL DILUTION
Vial Number: 3209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\139AREF.D\139AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.18	ppb	16.82	0.18	95.4	90 - 110	
51 V	72	1	23.01	ppb	0.71	22.58	101.9	90 - 110	
52 Cr	72	1	2.95	ppb	0.86	2.93	100.7	90 - 110	
55 Mn	72	1	67.57	ppb	0.67	62.76	107.7	90 - 110	
59 Co	72	1	1.30	ppb	2.08	1.27	102.6	90 - 110	
60 Ni	72	1	7.32	ppb	0.67	7.04	103.9	90 - 110	
63 Cu	72	1	5.04	ppb	0.51	4.76	105.9	90 - 110	
66 Zn	72	1	15.96	ppb	0.92	15.00	106.4	90 - 110	
75 As	72	1	1.11	ppb	3.25	1.08	102.4	90 - 110	
78 Se	72	1	0.28	ppb	31.85	0.32	89.1	90 - 110	
95 Mo	72	1	1.72	ppb	2.37	1.73	99.2	90 - 110	
107 Ag	115	1	0.02	ppb	7.86	0.02	108.5	90 - 110	
111 Cd	115	1	0.11	ppb	19.83	0.09	117.1	90 - 110	
118 Sn	115	1	0.10	ppb	5.03	0.05	179.0	90 - 110	
121 Sb	115	1	0.01	ppb	16.41	0.01	107.8	90 - 110	
137 Ba	115	1	43.44	ppb	0.26	43.76	99.3	90 - 110	
205 Tl	165	1	0.05	ppb	3.93	0.05	98.5	90 - 110	
208 Pb	165	1	7.51	ppb	0.19	7.30	102.9	90 - 110	
232 Th	165	1	2.40	ppb	0.36	2.44	98.3	90 - 110	
238 U	165	1	0.24	ppb	1.87	0.24	100.6	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	460109	1.04	542197	84.9	30 - 120	
45 Sc	1	2466932	1.14	2850994	86.5	30 - 120	
72 Ge	1	1539623	0.81	1758913	87.5	30 - 120	
115 In	1	5121275	0.42	5681129	90.1	30 - 120	
165 Ho	1	10184049	0.14	10936779	93.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\141PDS.D\141PDS.D#
Date Acquired: Apr 2 2012 11:56 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-1-d PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 3210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	193.50	0.92	ppb	1.31	200	96.3	75 - 125	
51 V	72	1	292.70	112.90	ppb	1.87	200	93.5	75 - 125	
52 Cr	72	1	197.20	14.64	ppb	2.09	200	91.9	75 - 125	
55 Mn	72	1	494.50	313.80	ppb	1.03	200	96.2	75 - 125	
59 Co	72	1	189.50	6.34	ppb	1.85	200	91.8	75 - 125	
60 Ni	72	1	214.70	35.20	ppb	1.23	200	91.3	75 - 125	
63 Cu	72	1	199.40	23.79	ppb	1.09	200	89.1	75 - 125	
66 Zn	72	1	257.90	75.00	ppb	1.29	200	93.8	75 - 125	
75 As	72	1	192.70	5.40	ppb	1.33	200	93.8	75 - 125	
78 Se	72	1	184.10	1.59	ppb	0.49	200	91.3	75 - 125	
95 Mo	72	1	199.60	8.66	ppb	1.16	200	95.7	75 - 125	
107 Ag	115	1	47.55	0.09	ppb	1.56	50	94.9	75 - 125	
111 Cd	115	1	197.00	0.47	ppb	0.63	200	98.3	75 - 125	
118 Sn	115	1	189.80	0.27	ppb	0.36	200	94.8	75 - 125	
121 Sb	115	1	190.60	0.05	ppb	0.97	200	95.3	75 - 125	
137 Ba	115	1	412.40	218.80	ppb	0.79	200	98.5	75 - 125	
205 Tl	165	1	195.50	0.26	ppb	1.10	200	97.6	75 - 125	
208 Pb	165	1	224.80	36.48	ppb	1.18	200	95.1	75 - 125	
232 Th	165	1	12.11	12.22	ppb	2.04	200	5.7	75 - 125	
238 U	165	1	199.90	1.18	ppb	1.97	200	99.4	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	449830	0.81	542197	83.0	30 - 120	
45 Sc	1	2373701	0.73	2850994	83.3	30 - 120	
72 Ge	1	1471652	1.04	1758913	83.7	30 - 120	
115 In	1	4852466	0.93	5681129	85.4	30 - 120	
165 Ho	1	9883795	0.93	10936779	90.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\142_MS.D\142_MS.D#
Date Acquired: Apr 2 2012 11:59 pm
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-1-e ms
Misc Info: MATRIX SPIKE
Vial Number: 3211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	38.71	0.92	ppb	1.81	40	94.6	50 - 150	
51 V	72	1	147.10	112.90	ppb	0.52	40	96.2	50 - 150	
52 Cr	72	1	53.12	14.64	ppb	1.84	40	97.2	50 - 150	
55 Mn	72	1	337.70	313.80	ppb	0.78	40	95.4	50 - 150	
59 Co	72	1	43.75	6.34	ppb	1.02	40	94.4	50 - 150	
60 Ni	72	1	65.30	35.20	ppb	0.75	40	86.8	50 - 150	
63 Cu	72	1	58.82	23.79	ppb	1.65	40	92.2	50 - 150	
66 Zn	72	1	108.30	75.00	ppb	0.73	40	94.2	50 - 150	
75 As	72	1	40.84	5.40	ppb	0.78	40	90.0	50 - 150	
78 Se	72	1	37.76	1.59	ppb	1.99	40	90.8	50 - 150	
95 Mo	72	1	31.73	8.66	ppb	1.12	40	65.2	50 - 150	
107 Ag	115	1	35.63	0.09	ppb	1.53	40	88.9	50 - 150	
111 Cd	115	1	37.27	0.47	ppb	0.28	40	92.1	50 - 150	
118 Sn	115	1	10.36	0.27	ppb	1.43	40	25.7	50 - 150	
121 Sb	115	1	2.73	0.05	ppb	1.55	40	6.8	50 - 150	
137 Ba	115	1	289.70	218.80	ppb	0.80	40	111.9	50 - 150	
205 Tl	165	1	38.58	0.26	ppb	0.86	40	95.8	50 - 150	
208 Pb	165	1	72.73	36.48	ppb	1.60	40	95.1	50 - 150	
232 Th	165	1	49.33	12.22	ppb	2.22	40	94.5	50 - 150	
238 U	165	1	41.45	1.18	ppb	0.61	40	100.7	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	457049	0.59	542197	84.3	30 - 120	
45 Sc	1	2393898	0.39	2850994	84.0	30 - 120	
72 Ge	1	1481830	0.73	1758913	84.2	30 - 120	
115 In	1	4931400	0.75	5681129	86.8	30 - 120	
165 Ho	1	9970711	0.76	10936779	91.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\143_MSD.D\143_MSD.D#
Date Acquired: Apr 3 2012 12:02 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-1-f msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3212
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\142_MS.D\142_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	39.60	ppb	2.46	38.71	2.27	20	
51 V	72	1	158.40	ppb	0.41	147.10	7.40	20	
52 Cr	72	1	55.41	ppb	1.17	53.12	4.22	20	
55 Mn	72	1	395.80	ppb	0.52	337.70	15.84	20	
59 Co	72	1	45.88	ppb	0.43	43.75	4.75	20	
60 Ni	72	1	69.18	ppb	0.53	65.30	5.77	20	
63 Cu	72	1	59.01	ppb	0.87	58.82	0.32	20	
66 Zn	72	1	116.50	ppb	0.44	108.30	7.30	20	
75 As	72	1	43.05	ppb	0.49	40.84	5.27	20	
78 Se	72	1	39.77	ppb	3.40	37.76	5.19	20	
95 Mo	72	1	32.02	ppb	0.47	31.73	0.91	20	
107 Ag	115	1	36.23	ppb	0.90	35.63	1.67	20	
111 Cd	115	1	38.25	ppb	0.40	37.27	2.60	20	
118 Sn	115	1	9.57	ppb	1.05	10.36	7.89	20	
121 Sb	115	1	2.36	ppb	0.94	2.73	14.45	20	
137 Ba	115	1	329.70	ppb	1.68	289.70	12.92	20	
205 Tl	165	1	39.46	ppb	1.36	38.58	2.26	20	
208 Pb	165	1	79.36	ppb	0.80	72.73	8.72	20	
232 Th	165	1	52.86	ppb	1.54	49.33	6.91	20	
238 U	165	1	42.66	ppb	0.33	41.45	2.88	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	453934	0.54	542197	83.7	30 - 120	
45 Sc	1	2403682	1.56	2850994	84.3	30 - 120	
72 Ge	1	1476843	0.32	1758913	84.0	30 - 120	
115 In	1	4950683	0.20	5681129	87.1	30 - 120	
165 Ho	1	9919467	0.26	10936779	90.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\144_CCV.D\144_CCV.D#
Date Acquired: Apr 3 2012 12:04 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.92	ppb	3.64	50	99.8	90 - 110	
51 V	72	1	50.95	ppb	0.44	50	101.9	90 - 110	
52 Cr	72	1	50.97	ppb	1.43	50	101.9	90 - 110	
55 Mn	72	1	50.91	ppb	1.28	50	101.8	90 - 110	
59 Co	72	1	51.43	ppb	0.49	50	102.9	90 - 110	
60 Ni	72	1	48.23	ppb	0.29	50	96.5	90 - 110	
63 Cu	72	1	50.55	ppb	0.86	50	101.1	90 - 110	
66 Zn	72	1	50.28	ppb	0.56	50	100.6	90 - 110	
75 As	72	1	49.78	ppb	1.10	50	99.6	90 - 110	
78 Se	72	1	50.83	ppb	2.21	50	101.7	90 - 110	
95 Mo	72	1	49.91	ppb	0.65	50	99.8	90 - 110	
107 Ag	115	1	51.40	ppb	1.07	50	102.8	90 - 110	
111 Cd	115	1	49.88	ppb	0.54	50	99.8	90 - 110	
118 Sn	115	1	49.12	ppb	0.85	50	98.2	90 - 110	
121 Sb	115	1	49.18	ppb	0.05	50	98.4	90 - 110	
137 Ba	115	1	50.55	ppb	0.40	50	101.1	90 - 110	
205 Tl	165	1	51.88	ppb	0.64	50	103.8	90 - 110	
208 Pb	165	1	51.67	ppb	0.06	50	103.3	90 - 110	
232 Th	165	1	51.99	ppb	1.55	50	104.0	90 - 110	
238 U	165	1	52.02	ppb	1.22	50	104.0	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	473686	0.37	542197	87.4	30 - 120	
45 Sc	1	2534237	1.31	2850994	88.9	30 - 120	
72 Ge	1	1573794	0.62	1758913	89.5	30 - 120	
115 In	1	5256012	0.76	5681129	92.5	30 - 120	
165 Ho	1	10462300	0.55	10936779	95.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\145_CCB.D\145_CCB.D#
Date Acquired: Apr 3 2012 12:07 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.005	ppb	173.23	1.00	
51 V	72	1	0.010	ppb	127.99	1.00	
52 Cr	72	1	0.006	ppb	29.42	1.00	
55 Mn	72	1	0.073	ppb	8.59	1.00	
59 Co	72	1	0.009	ppb	4.18	1.00	
60 Ni	72	1	0.014	ppb	17.27	1.00	
63 Cu	72	1	0.015	ppb	55.19	1.00	
66 Zn	72	1	0.094	ppb	19.05	1.00	
75 As	72	1	0.012	ppb	30.51	1.00	
78 Se	72	1	0.084	ppb	173.00	1.00	
95 Mo	72	1	0.011	ppb	75.38	1.00	
107 Ag	115	1	0.017	ppb	14.78	1.00	
111 Cd	115	1	-0.001	ppb	336.47	1.00	
118 Sn	115	1	0.041	ppb	11.05	1.00	
121 Sb	115	1	0.038	ppb	14.84	1.00	
137 Ba	115	1	0.024	ppb	18.72	1.00	
205 Tl	165	1	0.029	ppb	4.27	1.00	
208 Pb	165	1	0.012	ppb	12.93	1.00	
232 Th	165	1	0.042	ppb	13.43	1.00	
238 U	165	1	0.012	ppb	9.61	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	475973	0.15	542197	87.8	30 - 120	
45 Sc	1	2538741	1.47	2850994	89.0	30 - 120	
72 Ge	1	1602352	0.45	1758913	91.1	30 - 120	
115 In	1	5275779	0.84	5681129	92.9	30 - 120	
165 Ho	1	10383985	0.58	10936779	94.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\146SMPL.D\146SMPL.D#
Date Acquired: Apr 3 2012 12:10 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-2-b
Misc Info:
Vial Number: 3301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.04	1.04	ppb	3.32	3600	
51 V	72	1	39.18	39.18	ppb	1.16	3600	
52 Cr	72	1	32.45	32.45	ppb	1.68	3600	
55 Mn	72	1	367.60	367.60	ppb	0.26	18000	
59 Co	72	1	6.25	6.25	ppb	0.46	3600	
60 Ni	72	1	13.48	13.48	ppb	0.94	3600	
63 Cu	72	1	270.90	270.90	ppb	0.59	3600	
66 Zn	72	1	445.10	445.10	ppb	1.18	3600	
75 As	72	1	9.67	9.67	ppb	0.44	3600	
78 Se	72	1	2.48	2.48	ppb	10.09	3600	
95 Mo	72	1	1.21	1.21	ppb	1.19	3600	
107 Ag	115	1	0.39	0.39	ppb	2.27	3600	
111 Cd	115	1	1.01	1.01	ppb	6.66	3600	
118 Sn	115	1	5.54	5.54	ppb	1.17	3600	
121 Sb	115	1	0.93	0.93	ppb	2.30	3600	
137 Ba	115	1	294.90	294.90	ppb	1.75	3600	
205 Tl	165	1	0.26	0.26	ppb	0.65	3600	
208 Pb	165	1	301.80	301.80	ppb	0.57	3600	
232 Th	165	1	15.11	15.11	ppb	1.59	1000	
238 U	165	1	2.11	2.11	ppb	0.28	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	458912	0.76	542197	84.6	30 - 120	
45 Sc	1	2476060	0.99	2850994	86.8	30 - 120	
72 Ge	1	1521578	0.44	1758913	86.5	30 - 120	
115 In	1	5013451	1.28	5681129	88.2	30 - 120	
165 Ho	1	10149574	0.50	10936779	92.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\147SMPL.D\147SMPL.D#
Date Acquired: Apr 3 2012 12:13 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-3-b
Misc Info:
Vial Number: 3302
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.81	0.81	ppb	15.19	3600	
51 V	72	1	38.89	38.89	ppb	1.84	3600	
52 Cr	72	1	40.77	40.77	ppb	0.45	3600	
55 Mn	72	1	305.80	305.80	ppb	1.89	18000	
59 Co	72	1	5.25	5.25	ppb	1.45	3600	
60 Ni	72	1	12.82	12.82	ppb	2.15	3600	
63 Cu	72	1	41.41	41.41	ppb	1.40	3600	
66 Zn	72	1	125.30	125.30	ppb	1.38	3600	
75 As	72	1	5.22	5.22	ppb	1.62	3600	
78 Se	72	1	1.81	1.81	ppb	7.04	3600	
95 Mo	72	1	1.08	1.08	ppb	1.24	3600	
107 Ag	115	1	0.15	0.15	ppb	3.83	3600	
111 Cd	115	1	0.63	0.63	ppb	4.62	3600	
118 Sn	115	1	0.84	0.84	ppb	0.88	3600	
121 Sb	115	1	0.08	0.08	ppb	3.12	3600	
137 Ba	115	1	201.70	201.70	ppb	1.62	3600	
205 Tl	165	1	0.23	0.23	ppb	0.22	3600	
208 Pb	165	1	102.30	102.30	ppb	0.54	3600	
232 Th	165	1	13.73	13.73	ppb	0.56	1000	
238 U	165	1	1.59	1.59	ppb	0.33	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	457198	0.56	542197	84.3	30 - 120	
45 Sc	1	2455584	0.11	2850994	86.1	30 - 120	
72 Ge	1	1498701	1.90	1758913	85.2	30 - 120	
115 In	1	4951597	0.30	5681129	87.2	30 - 120	
165 Ho	1	10083204	0.85	10936779	92.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\148SMPL.D\148SMPL.D#
Date Acquired: Apr 3 2012 12:16 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27174-a-4-b
Misc Info:
Vial Number: 3303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.01	1.01	ppb	10.33	3600	
51 V	72	1	45.47	45.47	ppb	1.60	3600	
52 Cr	72	1	26.64	26.64	ppb	0.57	3600	
55 Mn	72	1	337.30	337.30	ppb	0.10	18000	
59 Co	72	1	6.13	6.13	ppb	1.35	3600	
60 Ni	72	1	12.08	12.08	ppb	0.72	3600	
63 Cu	72	1	26.70	26.70	ppb	1.46	3600	
66 Zn	72	1	96.07	96.07	ppb	0.50	3600	
75 As	72	1	5.32	5.32	ppb	2.02	3600	
78 Se	72	1	2.04	2.04	ppb	14.00	3600	
95 Mo	72	1	0.96	0.96	ppb	0.83	3600	
107 Ag	115	1	0.12	0.12	ppb	6.69	3600	
111 Cd	115	1	0.56	0.56	ppb	4.65	3600	
118 Sn	115	1	0.43	0.43	ppb	2.06	3600	
121 Sb	115	1	0.06	0.06	ppb	4.11	3600	
137 Ba	115	1	261.30	261.30	ppb	2.82	3600	
205 Tl	165	1	0.23	0.23	ppb	2.53	3600	
208 Pb	165	1	82.24	82.24	ppb	0.61	3600	
232 Th	165	1	14.48	14.48	ppb	0.14	1000	
238 U	165	1	1.70	1.70	ppb	0.75	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	462621	1.49	542197	85.3	30 - 120	
45 Sc	1	2456609	0.23	2850994	86.2	30 - 120	
72 Ge	1	1488587	0.83	1758913	84.6	30 - 120	
115 In	1	4955057	1.57	5681129	87.2	30 - 120	
165 Ho	1	10048882	0.55	10936779	91.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\149SMPL.D\149SMPL.D#
Date Acquired: Apr 3 2012 12:19 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-1-b
Misc Info:
Vial Number: 3304
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.51	1.51	ppb	5.16	3600	
51 V	72	1	80.79	80.79	ppb	2.34	3600	
52 Cr	72	1	146.00	146.00	ppb	2.26	3600	
55 Mn	72	1	298.90	298.90	ppb	1.05	18000	
59 Co	72	1	10.12	10.12	ppb	1.20	3600	
60 Ni	72	1	19.62	19.62	ppb	1.65	3600	
63 Cu	72	1	60.91	60.91	ppb	1.59	3600	
66 Zn	72	1	135.90	135.90	ppb	1.67	3600	
75 As	72	1	9.53	9.53	ppb	2.18	3600	
78 Se	72	1	9.87	9.87	ppb	7.02	3600	
95 Mo	72	1	2.37	2.37	ppb	1.78	3600	
107 Ag	115	1	0.18	0.18	ppb	5.92	3600	
111 Cd	115	1	1.09	1.09	ppb	3.03	3600	
118 Sn	115	1	1.18	1.18	ppb	1.78	3600	
121 Sb	115	1	0.06	0.06	ppb	4.02	3600	
137 Ba	115	1	1,286.00	1286.00	ppb	0.12	3600	
205 Tl	165	1	0.33	0.33	ppb	2.03	3600	
208 Pb	165	1	27.21	27.21	ppb	0.98	3600	
232 Th	165	1	14.94	14.94	ppb	1.24	1000	
238 U	165	1	3.13	3.13	ppb	1.21	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	459702	0.89	542197	84.8	30 - 120	
45 Sc	1	2490387	0.54	2850994	87.4	30 - 120	
72 Ge	1	1485618	1.12	1758913	84.5	30 - 120	
115 In	1	4905378	1.13	5681129	86.3	30 - 120	
165 Ho	1	9897192	1.03	10936779	90.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\150SMPL.D\150SMPL.D#
Date Acquired: Apr 3 2012 12:22 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-2-b
Misc Info:
Vial Number: 3305
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.48	1.48	ppb	23.08	3600	
51 V	72	1	84.22	84.22	ppb	1.29	3600	
52 Cr	72	1	101.40	101.40	ppb	1.82	3600	
55 Mn	72	1	303.40	303.40	ppb	1.49	18000	
59 Co	72	1	9.74	9.74	ppb	1.49	3600	
60 Ni	72	1	19.59	19.59	ppb	1.67	3600	
63 Cu	72	1	55.45	55.45	ppb	2.05	3600	
66 Zn	72	1	107.50	107.50	ppb	1.94	3600	
75 As	72	1	9.66	9.66	ppb	2.44	3600	
78 Se	72	1	8.59	8.59	ppb	3.66	3600	
95 Mo	72	1	2.07	2.07	ppb	1.22	3600	
107 Ag	115	1	0.20	0.20	ppb	0.92	3600	
111 Cd	115	1	1.12	1.12	ppb	6.67	3600	
118 Sn	115	1	1.21	1.21	ppb	1.89	3600	
121 Sb	115	1	0.07	0.07	ppb	11.27	3600	
137 Ba	115	1	1,407.00	1407.00	ppb	0.41	3600	
205 Tl	165	1	0.29	0.29	ppb	0.63	3600	
208 Pb	165	1	27.96	27.96	ppb	1.74	3600	
232 Th	165	1	14.03	14.03	ppb	2.21	1000	
238 U	165	1	3.10	3.10	ppb	1.87	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	461183	0.31	542197	85.1	30 - 120	
45 Sc	1	2515991	0.40	2850994	88.2	30 - 120	
72 Ge	1	1492489	1.88	1758913	84.9	30 - 120	
115 In	1	4948626	0.79	5681129	87.1	30 - 120	
165 Ho	1	9892553	1.11	10936779	90.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\151SMPL.D\151SMPL.D#
Date Acquired: Apr 3 2012 12:24 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-3-b
Misc Info:
Vial Number: 3306
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.38	1.38	ppb	5.55	3600	
51 V	72	1	56.93	56.93	ppb	1.00	3600	
52 Cr	72	1	45.48	45.48	ppb	1.04	3600	
55 Mn	72	1	319.40	319.40	ppb	1.96	18000	
59 Co	72	1	7.75	7.75	ppb	1.19	3600	
60 Ni	72	1	13.94	13.94	ppb	1.47	3600	
63 Cu	72	1	25.10	25.10	ppb	0.55	3600	
66 Zn	72	1	72.01	72.01	ppb	0.94	3600	
75 As	72	1	7.15	7.15	ppb	1.49	3600	
78 Se	72	1	4.16	4.16	ppb	9.03	3600	
95 Mo	72	1	0.90	0.90	ppb	1.77	3600	
107 Ag	115	1	0.16	0.16	ppb	3.97	3600	
111 Cd	115	1	0.77	0.77	ppb	8.47	3600	
118 Sn	115	1	0.58	0.58	ppb	3.31	3600	
121 Sb	115	1	0.04	0.04	ppb	10.20	3600	
137 Ba	115	1	671.80	671.80	ppb	1.04	3600	
205 Tl	165	1	0.26	0.26	ppb	1.70	3600	
208 Pb	165	1	22.69	22.69	ppb	1.39	3600	
232 Th	165	1	13.41	13.41	ppb	2.17	1000	
238 U	165	1	1.90	1.90	ppb	1.54	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	467124	0.29	542197	86.2	30 - 120	
45 Sc	1	2464058	0.77	2850994	86.4	30 - 120	
72 Ge	1	1494770	0.92	1758913	85.0	30 - 120	
115 In	1	4886469	0.70	5681129	86.0	30 - 120	
165 Ho	1	9796695	1.14	10936779	89.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\152SMPL.D\152SMPL.D#
Date Acquired: Apr 3 2012 12:27 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-4-b
Misc Info:
Vial Number: 3307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.12	1.12	ppb	18.89	3600	
51 V	72	1	28.56	28.56	ppb	1.15	3600	
52 Cr	72	1	8.64	8.64	ppb	0.84	3600	
55 Mn	72	1	262.60	262.60	ppb	1.29	18000	
59 Co	72	1	4.69	4.69	ppb	0.86	3600	
60 Ni	72	1	6.36	6.36	ppb	2.39	3600	
63 Cu	72	1	5.29	5.29	ppb	0.54	3600	
66 Zn	72	1	28.19	28.19	ppb	0.93	3600	
75 As	72	1	3.79	3.79	ppb	1.51	3600	
78 Se	72	1	1.09	1.09	ppb	11.88	3600	
95 Mo	72	1	0.17	0.17	ppb	6.94	3600	
107 Ag	115	1	0.03	0.03	ppb	15.26	3600	
111 Cd	115	1	0.22	0.22	ppb	17.60	3600	
118 Sn	115	1	0.11	0.11	ppb	6.88	3600	
121 Sb	115	1	0.01	0.01	ppb	11.25	3600	
137 Ba	115	1	107.30	107.30	ppb	0.78	3600	
205 Tl	165	1	0.09	0.09	ppb	3.02	3600	
208 Pb	165	1	7.03	7.03	ppb	1.01	3600	
232 Th	165	1	9.62	9.62	ppb	1.07	1000	
238 U	165	1	0.83	0.83	ppb	1.99	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	477709	0.80	542197	88.1	30 - 120	
45 Sc	1	2591504	0.76	2850994	90.9	30 - 120	
72 Ge	1	1611022	0.86	1758913	91.6	30 - 120	
115 In	1	5214090	0.85	5681129	91.8	30 - 120	
165 Ho	1	10389698	0.15	10936779	95.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\153SMPL.D\153SMPL.D#
Date Acquired: Apr 3 2012 12:30 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-5-b
Misc Info:
Vial Number: 3308
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.37	1.37	ppb	4.91	3600	
51 V	72	1	63.76	63.76	ppb	1.44	3600	
52 Cr	72	1	85.81	85.81	ppb	1.50	3600	
55 Mn	72	1	323.50	323.50	ppb	1.27	18000	
59 Co	72	1	8.18	8.18	ppb	0.67	3600	
60 Ni	72	1	14.92	14.92	ppb	0.93	3600	
63 Cu	72	1	34.57	34.57	ppb	1.16	3600	
66 Zn	72	1	94.69	94.69	ppb	0.61	3600	
75 As	72	1	7.71	7.71	ppb	1.96	3600	
78 Se	72	1	6.44	6.44	ppb	7.49	3600	
95 Mo	72	1	1.30	1.30	ppb	2.94	3600	
107 Ag	115	1	0.16	0.16	ppb	7.18	3600	
111 Cd	115	1	0.89	0.89	ppb	3.21	3600	
118 Sn	115	1	0.84	0.84	ppb	2.90	3600	
121 Sb	115	1	0.05	0.05	ppb	6.28	3600	
137 Ba	115	1	1,173.00	1173.00	ppb	0.67	3600	
205 Tl	165	1	0.27	0.27	ppb	0.67	3600	
208 Pb	165	1	28.40	28.40	ppb	1.32	3600	
232 Th	165	1	14.15	14.15	ppb	0.37	1000	
238 U	165	1	2.31	2.31	ppb	0.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	464593	0.30	542197	85.7	30 - 120	
45 Sc	1	2500178	0.46	2850994	87.7	30 - 120	
72 Ge	1	1512624	0.71	1758913	86.0	30 - 120	
115 In	1	5026034	1.07	5681129	88.5	30 - 120	
165 Ho	1	10019475	0.51	10936779	91.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\154_CCV.D\154_CCV.D#
Date Acquired: Apr 3 2012 12:33 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.31	ppb	0.84	50	100.6	90 - 110	
51 V	72	1	50.91	ppb	0.81	50	101.8	90 - 110	
52 Cr	72	1	50.72	ppb	1.43	50	101.4	90 - 110	
55 Mn	72	1	50.70	ppb	0.37	50	101.4	90 - 110	
59 Co	72	1	51.22	ppb	0.21	50	102.4	90 - 110	
60 Ni	72	1	48.08	ppb	0.49	50	96.2	90 - 110	
63 Cu	72	1	50.11	ppb	1.45	50	100.2	90 - 110	
66 Zn	72	1	49.69	ppb	0.39	50	99.4	90 - 110	
75 As	72	1	49.43	ppb	0.30	50	98.9	90 - 110	
78 Se	72	1	48.40	ppb	2.93	50	96.8	90 - 110	
95 Mo	72	1	49.68	ppb	0.61	50	99.4	90 - 110	
107 Ag	115	1	51.04	ppb	0.93	50	102.1	90 - 110	
111 Cd	115	1	49.50	ppb	0.98	50	99.0	90 - 110	
118 Sn	115	1	49.07	ppb	1.08	50	98.1	90 - 110	
121 Sb	115	1	48.83	ppb	0.73	50	97.7	90 - 110	
137 Ba	115	1	50.34	ppb	0.76	50	100.7	90 - 110	
205 Tl	165	1	51.70	ppb	1.58	50	103.4	90 - 110	
208 Pb	165	1	51.20	ppb	2.46	50	102.4	90 - 110	
232 Th	165	1	51.82	ppb	2.50	50	103.6	90 - 110	
238 U	165	1	51.06	ppb	1.85	50	102.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	490365	0.86	542197	90.4	30 - 120	
45 Sc	1	2630180	0.81	2850994	92.3	30 - 120	
72 Ge	1	1653335	0.52	1758913	94.0	30 - 120	
115 In	1	5455325	0.67	5681129	96.0	30 - 120	
165 Ho	1	10682484	1.46	10936779	97.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\155_CCB.D\155_CCB.D#
Date Acquired: Apr 3 2012 12:36 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.009	ppb	173.23	1.00	
51 V	72	1	0.001	ppb	1008.60	1.00	
52 Cr	72	1	0.008	ppb	61.43	1.00	
55 Mn	72	1	0.080	ppb	24.50	1.00	
59 Co	72	1	0.007	ppb	35.66	1.00	
60 Ni	72	1	0.015	ppb	5.33	1.00	
63 Cu	72	1	0.026	ppb	17.52	1.00	
66 Zn	72	1	0.111	ppb	20.99	1.00	
75 As	72	1	0.011	ppb	87.20	1.00	
78 Se	72	1	0.075	ppb	129.34	1.00	
95 Mo	72	1	0.006	ppb	110.70	1.00	
107 Ag	115	1	0.012	ppb	38.59	1.00	
111 Cd	115	1	-0.005	ppb	239.09	1.00	
118 Sn	115	1	0.031	ppb	25.61	1.00	
121 Sb	115	1	0.039	ppb	5.21	1.00	
137 Ba	115	1	0.066	ppb	1.82	1.00	
205 Tl	165	1	0.023	ppb	5.62	1.00	
208 Pb	165	1	0.017	ppb	10.20	1.00	
232 Th	165	1	0.027	ppb	21.44	1.00	
238 U	165	1	0.009	ppb	5.33	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	490803	0.41	542197	90.5	30 - 120	
45 Sc	1	2634158	0.65	2850994	92.4	30 - 120	
72 Ge	1	1648182	0.97	1758913	93.7	30 - 120	
115 In	1	5415768	0.73	5681129	95.3	30 - 120	
165 Ho	1	10634601	0.56	10936779	97.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\156SMPL.D\156SMPL.D#
Date Acquired: Apr 3 2012 12:39 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-6-b
Misc Info:
Vial Number: 3309
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.02	1.02	ppb	12.70	3600	
51 V	72	1	46.89	46.89	ppb	0.34	3600	
52 Cr	72	1	41.02	41.02	ppb	2.08	3600	
55 Mn	72	1	297.00	297.00	ppb	0.32	18000	
59 Co	72	1	6.67	6.67	ppb	0.48	3600	
60 Ni	72	1	10.72	10.72	ppb	2.28	3600	
63 Cu	72	1	21.93	21.93	ppb	0.75	3600	
66 Zn	72	1	83.79	83.79	ppb	1.03	3600	
75 As	72	1	5.81	5.81	ppb	2.03	3600	
78 Se	72	1	3.78	3.78	ppb	3.20	3600	
95 Mo	72	1	0.92	0.92	ppb	4.95	3600	
107 Ag	115	1	0.13	0.13	ppb	2.33	3600	
111 Cd	115	1	0.62	0.62	ppb	7.15	3600	
118 Sn	115	1	0.60	0.60	ppb	2.54	3600	
121 Sb	115	1	0.06	0.06	ppb	2.88	3600	
137 Ba	115	1	491.00	491.00	ppb	0.66	3600	
205 Tl	165	1	0.20	0.20	ppb	1.69	3600	
208 Pb	165	1	22.42	22.42	ppb	0.90	3600	
232 Th	165	1	10.47	10.47	ppb	0.34	1000	
238 U	165	1	1.65	1.65	ppb	1.23	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	462657	0.58	542197	85.3	30 - 120	
45 Sc	1	2522679	0.73	2850994	88.5	30 - 120	
72 Ge	1	1555502	0.33	1758913	88.4	30 - 120	
115 In	1	5044083	0.71	5681129	88.8	30 - 120	
165 Ho	1	10034379	0.88	10936779	91.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\157SMPL.D\157SMPL.D#
Date Acquired: Apr 3 2012 12:42 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-7-b
Misc Info:
Vial Number: 3310
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.97	0.97	ppb	11.96	3600	
51 V	72	1	46.43	46.43	ppb	2.23	3600	
52 Cr	72	1	39.99	39.99	ppb	1.67	3600	
55 Mn	72	1	279.50	279.50	ppb	0.57	18000	
59 Co	72	1	6.42	6.42	ppb	0.99	3600	
60 Ni	72	1	10.36	10.36	ppb	0.96	3600	
63 Cu	72	1	21.69	21.69	ppb	0.36	3600	
66 Zn	72	1	76.29	76.29	ppb	0.41	3600	
75 As	72	1	5.56	5.56	ppb	2.33	3600	
78 Se	72	1	3.39	3.39	ppb	1.82	3600	
95 Mo	72	1	0.94	0.94	ppb	3.70	3600	
107 Ag	115	1	0.15	0.15	ppb	5.97	3600	
111 Cd	115	1	0.57	0.57	ppb	4.88	3600	
118 Sn	115	1	0.64	0.64	ppb	3.54	3600	
121 Sb	115	1	0.04	0.04	ppb	8.70	3600	
137 Ba	115	1	432.40	432.40	ppb	1.21	3600	
205 Tl	165	1	0.18	0.18	ppb	1.40	3600	
208 Pb	165	1	23.18	23.18	ppb	0.58	3600	
232 Th	165	1	10.87	10.87	ppb	3.22	1000	
238 U	165	1	1.52	1.52	ppb	1.12	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	467949	0.86	542197	86.3	30 - 120	
45 Sc	1	2515866	0.98	2850994	88.2	30 - 120	
72 Ge	1	1554870	0.71	1758913	88.4	30 - 120	
115 In	1	5108957	1.18	5681129	89.9	30 - 120	
165 Ho	1	10147503	0.17	10936779	92.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\158SMPL.D\158SMPL.D#
Date Acquired: Apr 3 2012 12:45 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-8-b
Misc Info:
Vial Number: 3311
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.09	1.09	ppb	6.30	3600	
51 V	72	1	47.47	47.47	ppb	0.92	3600	
52 Cr	72	1	35.63	35.63	ppb	1.33	3600	
55 Mn	72	1	347.60	347.60	ppb	1.54	18000	
59 Co	72	1	6.55	6.55	ppb	1.94	3600	
60 Ni	72	1	10.18	10.18	ppb	1.39	3600	
63 Cu	72	1	18.26	18.26	ppb	1.53	3600	
66 Zn	72	1	77.99	77.99	ppb	1.30	3600	
75 As	72	1	5.76	5.76	ppb	1.64	3600	
78 Se	72	1	3.53	3.53	ppb	13.02	3600	
95 Mo	72	1	0.92	0.92	ppb	2.44	3600	
107 Ag	115	1	0.14	0.14	ppb	2.43	3600	
111 Cd	115	1	0.50	0.50	ppb	9.16	3600	
118 Sn	115	1	0.46	0.46	ppb	2.27	3600	
121 Sb	115	1	0.04	0.04	ppb	4.49	3600	
137 Ba	115	1	373.10	373.10	ppb	0.78	3600	
205 Tl	165	1	0.17	0.17	ppb	2.28	3600	
208 Pb	165	1	18.96	18.96	ppb	0.14	3600	
232 Th	165	1	9.96	9.96	ppb	0.98	1000	
238 U	165	1	1.55	1.55	ppb	0.68	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465565	0.91	542197	85.9	30 - 120	
45 Sc	1	2530047	0.22	2850994	88.7	30 - 120	
72 Ge	1	1518369	1.20	1758913	86.3	30 - 120	
115 In	1	5049372	0.40	5681129	88.9	30 - 120	
165 Ho	1	10103149	0.12	10936779	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\159SMPL.D\159SMPL.D#
Date Acquired: Apr 3 2012 12:48 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-9-b
Misc Info:
Vial Number: 3312
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.08	1.08	ppb	15.84	3600	
51 V	72	1	51.85	51.85	ppb	1.87	3600	
52 Cr	72	1	43.53	43.53	ppb	0.51	3600	
55 Mn	72	1	324.50	324.50	ppb	0.82	18000	
59 Co	72	1	7.61	7.61	ppb	0.54	3600	
60 Ni	72	1	11.55	11.55	ppb	0.53	3600	
63 Cu	72	1	21.99	21.99	ppb	0.95	3600	
66 Zn	72	1	72.40	72.40	ppb	0.67	3600	
75 As	72	1	5.95	5.95	ppb	2.25	3600	
78 Se	72	1	3.93	3.93	ppb	4.75	3600	
95 Mo	72	1	1.23	1.23	ppb	2.23	3600	
107 Ag	115	1	0.12	0.12	ppb	6.03	3600	
111 Cd	115	1	0.58	0.58	ppb	8.35	3600	
118 Sn	115	1	0.48	0.48	ppb	3.27	3600	
121 Sb	115	1	0.04	0.04	ppb	6.73	3600	
137 Ba	115	1	654.90	654.90	ppb	1.93	3600	
205 Tl	165	1	0.20	0.20	ppb	1.37	3600	
208 Pb	165	1	19.44	19.44	ppb	0.16	3600	
232 Th	165	1	10.57	10.57	ppb	0.65	1000	
238 U	165	1	1.58	1.58	ppb	1.36	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	460280	0.32	542197	84.9	30 - 120	
45 Sc	1	2507879	0.75	2850994	88.0	30 - 120	
72 Ge	1	1519859	1.43	1758913	86.4	30 - 120	
115 In	1	4988278	0.64	5681129	87.8	30 - 120	
165 Ho	1	9988145	0.62	10936779	91.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\160SMPL.D\160SMPL.D#
Date Acquired: Apr 3 2012 12:50 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-10-b
Misc Info:
Vial Number: 3401
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.84	0.84	ppb	9.82	3600	
51 V	72	1	29.07	29.07	ppb	0.61	3600	
52 Cr	72	1	14.35	14.35	ppb	0.67	3600	
55 Mn	72	1	177.10	177.10	ppb	1.29	18000	
59 Co	72	1	6.40	6.40	ppb	0.40	3600	
60 Ni	72	1	9.50	9.50	ppb	1.10	3600	
63 Cu	72	1	10.20	10.20	ppb	1.10	3600	
66 Zn	72	1	42.37	42.37	ppb	0.37	3600	
75 As	72	1	4.25	4.25	ppb	1.75	3600	
78 Se	72	1	4.38	4.38	ppb	5.27	3600	
95 Mo	72	1	0.54	0.54	ppb	4.77	3600	
107 Ag	115	1	0.06	0.06	ppb	0.54	3600	
111 Cd	115	1	0.44	0.44	ppb	7.16	3600	
118 Sn	115	1	0.20	0.20	ppb	3.43	3600	
121 Sb	115	1	0.02	0.02	ppb	5.23	3600	
137 Ba	115	1	130.60	130.60	ppb	0.60	3600	
205 Tl	165	1	0.23	0.23	ppb	1.59	3600	
208 Pb	165	1	11.85	11.85	ppb	0.12	3600	
232 Th	165	1	14.88	14.88	ppb	1.73	1000	
238 U	165	1	1.88	1.88	ppb	0.79	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	480446	0.36	542197	88.6	30 - 120	
45 Sc	1	2583825	0.57	2850994	90.6	30 - 120	
72 Ge	1	1589209	0.36	1758913	90.4	30 - 120	
115 In	1	5229640	1.01	5681129	92.1	30 - 120	
165 Ho	1	10434393	0.60	10936779	95.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\161SMPL.D\161SMPL.D#
Date Acquired: Apr 3 2012 12:53 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-11-b
Misc Info:
Vial Number: 3402
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.19	1.19	ppb	4.03	3600	
51 V	72	1	44.23	44.23	ppb	0.70	3600	
52 Cr	72	1	23.58	23.58	ppb	0.83	3600	
55 Mn	72	1	419.60	419.60	ppb	0.80	18000	
59 Co	72	1	7.18	7.18	ppb	0.96	3600	
60 Ni	72	1	16.26	16.26	ppb	0.61	3600	
63 Cu	72	1	235.80	235.80	ppb	1.27	3600	
66 Zn	72	1	250.00	250.00	ppb	1.58	3600	
75 As	72	1	11.74	11.74	ppb	1.29	3600	
78 Se	72	1	2.02	2.02	ppb	15.34	3600	
95 Mo	72	1	1.82	1.82	ppb	4.06	3600	
107 Ag	115	1	0.21	0.21	ppb	3.72	3600	
111 Cd	115	1	1.05	1.05	ppb	4.33	3600	
118 Sn	115	1	10.16	10.16	ppb	1.52	3600	
121 Sb	115	1	3.67	3.67	ppb	0.56	3600	
137 Ba	115	1	342.90	342.90	ppb	1.59	3600	
205 Tl	165	1	0.24	0.24	ppb	1.29	3600	
208 Pb	165	1	334.70	334.70	ppb	0.34	3600	
232 Th	165	1	10.93	10.93	ppb	0.69	1000	
238 U	165	1	2.00	2.00	ppb	0.85	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	465944	0.68	542197	85.9	30 - 120	
45 Sc	1	2492012	0.24	2850994	87.4	30 - 120	
72 Ge	1	1545950	0.91	1758913	87.9	30 - 120	
115 In	1	5082032	0.32	5681129	89.5	30 - 120	
165 Ho	1	10239465	0.04	10936779	93.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\162SMPL.D\162SMPL.D#
Date Acquired: Apr 3 2012 12:56 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27175-a-12-b
Misc Info:
Vial Number: 3403
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 02 2012 10:18 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.44	1.44	ppb	3.40	3600	
51 V	72	1	69.89	69.89	ppb	0.75	3600	
52 Cr	72	1	124.00	124.00	ppb	1.58	3600	
55 Mn	72	1	258.50	258.50	ppb	1.74	18000	
59 Co	72	1	8.45	8.45	ppb	0.94	3600	
60 Ni	72	1	16.83	16.83	ppb	1.43	3600	
63 Cu	72	1	50.89	50.89	ppb	1.35	3600	
66 Zn	72	1	116.60	116.60	ppb	0.99	3600	
75 As	72	1	8.36	8.36	ppb	0.89	3600	
78 Se	72	1	8.82	8.82	ppb	3.61	3600	
95 Mo	72	1	2.10	2.10	ppb	0.27	3600	
107 Ag	115	1	0.15	0.15	ppb	5.48	3600	
111 Cd	115	1	0.97	0.97	ppb	3.17	3600	
118 Sn	115	1	1.06	1.06	ppb	2.88	3600	
121 Sb	115	1	0.06	0.06	ppb	9.07	3600	
137 Ba	115	1	1,227.00	1227.00	ppb	1.10	3600	
205 Tl	165	1	0.26	0.26	ppb	2.39	3600	
208 Pb	165	1	23.29	23.29	ppb	0.85	3600	
232 Th	165	1	11.71	11.71	ppb	2.06	1000	
238 U	165	1	2.68	2.68	ppb	0.34	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	457954	1.00	542197	84.5	30 - 120	
45 Sc	1	2489484	0.30	2850994	87.3	30 - 120	
72 Ge	1	1503954	1.49	1758913	85.5	30 - 120	
115 In	1	4991072	0.41	5681129	87.9	30 - 120	
165 Ho	1	9896852	0.91	10936779	90.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\163_CCV.D\163_CCV.D#
Date Acquired: Apr 3 2012 12:59 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.25	ppb	2.68	50	100.5	90 - 110	
51 V	72	1	50.49	ppb	1.38	50	101.0	90 - 110	
52 Cr	72	1	50.21	ppb	1.40	50	100.4	90 - 110	
55 Mn	72	1	51.27	ppb	2.13	50	102.5	90 - 110	
59 Co	72	1	51.27	ppb	2.09	50	102.5	90 - 110	
60 Ni	72	1	48.06	ppb	1.56	50	96.1	90 - 110	
63 Cu	72	1	50.66	ppb	1.92	50	101.3	90 - 110	
66 Zn	72	1	49.69	ppb	0.88	50	99.4	90 - 110	
75 As	72	1	49.58	ppb	0.52	50	99.2	90 - 110	
78 Se	72	1	50.91	ppb	1.72	50	101.8	90 - 110	
95 Mo	72	1	49.60	ppb	0.48	50	99.2	90 - 110	
107 Ag	115	1	51.33	ppb	2.07	50	102.7	90 - 110	
111 Cd	115	1	49.76	ppb	1.01	50	99.5	90 - 110	
118 Sn	115	1	49.18	ppb	0.45	50	98.4	90 - 110	
121 Sb	115	1	48.85	ppb	0.39	50	97.7	90 - 110	
137 Ba	115	1	50.53	ppb	0.57	50	101.1	90 - 110	
205 Tl	165	1	51.83	ppb	1.31	50	103.7	90 - 110	
208 Pb	165	1	51.74	ppb	1.89	50	103.5	90 - 110	
232 Th	165	1	51.55	ppb	1.30	50	103.1	90 - 110	
238 U	165	1	51.48	ppb	1.39	50	103.0	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	486838	1.07	542197	89.8	30 - 120	
45 Sc	1	2655312	0.83	2850994	93.1	30 - 120	
72 Ge	1	1653520	0.51	1758913	94.0	30 - 120	
115 In	1	5458641	0.57	5681129	96.1	30 - 120	
165 Ho	1	10591069	0.62	10936779	96.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\164_CCB.D\164_CCB.D#
Date Acquired: Apr 3 2012 01:02 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.014	ppb	99.78	1.00	
51 V	72	1	0.003	ppb	330.97	1.00	
52 Cr	72	1	0.007	ppb	23.28	1.00	
55 Mn	72	1	0.082	ppb	12.23	1.00	
59 Co	72	1	0.006	ppb	12.20	1.00	
60 Ni	72	1	0.015	ppb	51.09	1.00	
63 Cu	72	1	0.023	ppb	24.63	1.00	
66 Zn	72	1	0.098	ppb	20.55	1.00	
75 As	72	1	0.004	ppb	77.38	1.00	
78 Se	72	1	0.002	ppb	3712.30	1.00	
95 Mo	72	1	0.010	ppb	93.85	1.00	
107 Ag	115	1	0.009	ppb	13.72	1.00	
111 Cd	115	1	0.001	ppb	1034.30	1.00	
118 Sn	115	1	0.021	ppb	31.31	1.00	
121 Sb	115	1	0.040	ppb	9.64	1.00	
137 Ba	115	1	0.071	ppb	3.22	1.00	
205 Tl	165	1	0.023	ppb	16.93	1.00	
208 Pb	165	1	0.021	ppb	10.53	1.00	
232 Th	165	1	0.026	ppb	15.04	1.00	
238 U	165	1	0.009	ppb	5.57	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	489360	1.02	542197	90.3	30 - 120	
45 Sc	1	2652032	0.82	2850994	93.0	30 - 120	
72 Ge	1	1662505	0.90	1758913	94.5	30 - 120	
115 In	1	5468246	0.37	5681129	96.3	30 - 120	
165 Ho	1	10609281	0.96	10936779	97.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\165WASH.D\165WASH.D#
Date Acquired: Apr 3 2012 01:05 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.017 ppb	100.65	1.30	
51 V	72	1	-0.079 ppb	27.25	6.50	
52 Cr	72	1	1.247 ppb	2.96	2.60	
55 Mn	72	1	0.660 ppb	3.92	1.30	
59 Co	72	1	0.065 ppb	8.59	1.30	
60 Ni	72	1	0.984 ppb	4.94	2.60	
63 Cu	72	1	0.386 ppb	5.64	2.60	
66 Zn	72	1	3.511 ppb	2.91	13.00	
75 As	72	1	0.589 ppb	3.01	6.50	
78 Se	72	1	-0.074 ppb	179.84	6.50	
95 Mo	72	1	2134.000 ppb	1.20	2.60	
107 Ag	115	1	0.065 ppb	6.59	6.50	
111 Cd	115	1	0.763 ppb	20.21	1.30	
118 Sn	115	1	0.143 ppb	6.32	13.00	
121 Sb	115	1	0.292 ppb	4.82	2.60	
137 Ba	115	1	0.276 ppb	8.10	1.30	
205 Tl	165	1	0.045 ppb	29.09	1.30	
208 Pb	165	1	0.190 ppb	6.40	1.30	
232 Th	165	1	0.036 ppb	3.01	2.60	
238 U	165	1	0.009 ppb	5.71	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	400008	1.32	542197	73.8	30 - 120	
45 Sc	1	2076086	1.05	2850994	72.8	30 - 120	
72 Ge	1	1262378	1.35	1758913	71.8	30 - 120	
115 In	1	4196911	0.87	5681129	73.9	30 - 120	
165 Ho	1	8708770	0.62	10936779	79.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\166WASH.D\166WASH.D#
Date Acquired: Apr 3 2012 01:08 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.009 ppb	86.60	1.30	
51 V	72	1	0.015 ppb	63.17	6.50	
52 Cr	72	1	0.009 ppb	100.16	2.60	
55 Mn	72	1	0.038 ppb	20.55	1.30	
59 Co	72	1	0.003 ppb	80.04	1.30	
60 Ni	72	1	0.007 ppb	56.67	2.60	
63 Cu	72	1	0.027 ppb	4.06	2.60	
66 Zn	72	1	0.064 ppb	6.44	13.00	
75 As	72	1	0.004 ppb	44.65	6.50	
78 Se	72	1	-0.010 ppb	1340.90	6.50	
95 Mo	72	1	0.421 ppb	14.51	2.60	
107 Ag	115	1	0.002 ppb	10.77	6.50	
111 Cd	115	1	-0.043 ppb	15.93	1.30	
118 Sn	115	1	0.001 ppb	409.75	13.00	
121 Sb	115	1	0.007 ppb	8.44	2.60	
137 Ba	115	1	0.035 ppb	8.10	1.30	
205 Tl	165	1	0.004 ppb	16.57	1.30	
208 Pb	165	1	0.009 ppb	24.05	1.30	
232 Th	165	1	0.003 ppb	33.90	2.60	
238 U	165	1	0.002 ppb	15.06	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	502339	1.00	542197	92.6	30 - 120	
45 Sc	1	2629634	0.91	2850994	92.2	30 - 120	
72 Ge	1	1622392	0.79	1758913	92.2	30 - 120	
115 In	1	5413166	1.21	5681129	95.3	30 - 120	
165 Ho	1	10644151	0.49	10936779	97.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\167WASH.D\167WASH.D#
Date Acquired: Apr 3 2012 01:11 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.004 ppb	173.20	1.30	
51 V	72	1	-0.008 ppb	192.95	6.50	
52 Cr	72	1	0.007 ppb	27.68	2.60	
55 Mn	72	1	0.024 ppb	11.46	1.30	
59 Co	72	1	0.000 ppb	1331.50	1.30	
60 Ni	72	1	0.003 ppb	167.78	2.60	
63 Cu	72	1	0.025 ppb	26.80	2.60	
66 Zn	72	1	0.054 ppb	20.16	13.00	
75 As	72	1	0.004 ppb	77.97	6.50	
78 Se	72	1	0.030 ppb	804.09	6.50	
95 Mo	72	1	0.105 ppb	19.41	2.60	
107 Ag	115	1	0.001 ppb	22.01	6.50	
111 Cd	115	1	-0.044 ppb	23.16	1.30	
118 Sn	115	1	0.003 ppb	18.08	13.00	
121 Sb	115	1	0.004 ppb	45.26	2.60	
137 Ba	115	1	0.025 ppb	16.89	1.30	
205 Tl	165	1	0.002 ppb	16.48	1.30	
208 Pb	165	1	0.006 ppb	21.86	1.30	
232 Th	165	1	0.001 ppb	12.57	2.60	
238 U	165	1	0.002 ppb	21.49	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	515556	0.27	542197	95.1	30 - 120	
45 Sc	1	2738536	0.82	2850994	96.1	30 - 120	
72 Ge	1	1711010	0.93	1758913	97.3	30 - 120	
115 In	1	5566686	0.40	5681129	98.0	30 - 120	
165 Ho	1	10766705	0.38	10936779	98.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\168WASH.D\168WASH.D#
Date Acquired: Apr 3 2012 01:14 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	1.30	
51 V	72	1	0.002 ppb	362.67	6.50	
52 Cr	72	1	0.013 ppb	69.05	2.60	
55 Mn	72	1	0.018 ppb	27.61	1.30	
59 Co	72	1	0.001 ppb	111.56	1.30	
60 Ni	72	1	0.008 ppb	97.80	2.60	
63 Cu	72	1	0.022 ppb	10.68	2.60	
66 Zn	72	1	0.065 ppb	7.60	13.00	
75 As	72	1	0.002 ppb	40.94	6.50	
78 Se	72	1	-0.036 ppb	529.38	6.50	
95 Mo	72	1	0.046 ppb	19.50	2.60	
107 Ag	115	1	0.000 ppb	457.43	6.50	
111 Cd	115	1	-0.040 ppb	10.53	1.30	
118 Sn	115	1	0.000 ppb	1127.00	13.00	
121 Sb	115	1	0.002 ppb	38.05	2.60	
137 Ba	115	1	0.026 ppb	25.66	1.30	
205 Tl	165	1	0.001 ppb	56.36	1.30	
208 Pb	165	1	0.005 ppb	19.52	1.30	
232 Th	165	1	0.001 ppb	50.56	2.60	
238 U	165	1	0.002 ppb	9.72	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	516969	0.28	542197	95.3	30 - 120	
45 Sc	1	2766164	0.41	2850994	97.0	30 - 120	
72 Ge	1	1710363	0.49	1758913	97.2	30 - 120	
115 In	1	5617327	0.62	5681129	98.9	30 - 120	
165 Ho	1	10798989	0.03	10936779	98.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\106CALB.D\106CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\169CAL
Date Acquired: Apr 3 2012 01:16 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 02 2012 10:18 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	7	173.24
51	V	72	1	115	44.01
52	Cr	72	1	3074	3.21
55	Mn	72	1	1607	2.52
59	Co	72	1	227	20.85
60	Ni	72	1	190	18.98
63	Cu	72	1	1630	5.85
66	Zn	72	1	811	1.68
75	As	72	1	137	10.93
78	Se	72	1	473	8.79
95	Mo	72	1	627	13.38
107	Ag	115	1	90	40.07
111	Cd	115	1	541	3.47
118	Sn	115	1	623	2.45
121	Sb	115	1	137	10.63
137	Ba	115	1	371	4.95
205	Tl	165	1	407	9.24
208	Pb	165	1	2398	0.29
232	Th	165	1	490	17.79
238	U	165	1	454	6.32

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	521550	0.45
45	Sc	1	2750708	1.05
72	Ge	1	1701053	0.85
115	In	1	5583538	0.56
165	Ho	1	10759740	0.41

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\170CAL
Date Acquired: Apr 3 2012 01:19 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342540
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:17 am
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	88	323.79
52	Cr	72	1	2590	7.52
55	Mn	72	1	1533	9.55
59	Co	72	1	213	33.26
60	Ni	72	1	140	12.37
63	Cu	72	1	1157	15.47
66	Zn	72	1	533	5.70
75	As	72	1	115	14.54
78	Se	72	1	543	16.08
95	Mo	72	1	533	16.17
107	Ag	115	1	20	50.00
111	Cd	115	1	534	8.56
118	Sn	115	1	503	17.81
121	Sb	115	1	96	8.06
137	Ba	115	1	318	5.78
205	Tl	165	1	353	13.21
208	Pb	165	1	2209	1.30
232	Th	165	1	373	17.84
238	U	165	1	303	10.48

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	519530	1.09
45	Sc	1	2751291	0.84
72	Ge	1	1702933	1.26
115	In	1	5506681	0.27
165	Ho	1	10658310	0.97

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\171ICAL.D\171ICAL.D#
Date Acquired: Apr 3 2012 01:22 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342531
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:20 am
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	73577	1.15
51 V	72	1	2265147	1.23
52 Cr	72	1	2589761	0.98
55 Mn	72	1	2468384	0.54
59 Co	72	1	3742568	0.47
60 Ni	72	1	941225	0.71
63 Cu	72	1	2223123	0.28
66 Zn	72	1	358332	0.54
75 As	72	1	266431	0.32
78 Se	72	1	44121	1.44
95 Mo	72	1	1142052	1.28
107 Ag	115	1	3497518	0.88
111 Cd	115	1	578823	0.51
118 Sn	115	1	1614562	0.85
121 Sb	115	1	1575112	0.56
137 Ba	115	1	755806	0.23
205 Tl	165	1	6402313	0.51
208 Pb	165	1	8677176	0.65
232 Th	165	1	8456134	1.13
238 U	165	1	8958730	1.09

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	506216	0.91	519530	97.4	30 - 120	
45 Sc	1	2678611	0.70	2751291	97.4	30 - 120	
72 Ge	1	1660336	0.81	1702933	97.5	30 - 120	
115 In	1	5459357	1.08	5506681	99.1	30 - 120	
165 Ho	1	10625970	0.57	10658309	99.7	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\172_CCV.D\172_CCV.D#
Date Acquired: Apr 3 2012 01:25 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.36	ppb	2.42	50	100.7	90 - 110	
51 V	72	1	51.64	ppb	0.71	50	103.3	90 - 110	
52 Cr	72	1	51.54	ppb	1.37	50	103.1	90 - 110	
55 Mn	72	1	51.18	ppb	1.29	50	102.4	90 - 110	
59 Co	72	1	52.17	ppb	1.17	50	104.3	90 - 110	
60 Ni	72	1	48.62	ppb	1.24	50	97.2	90 - 110	
63 Cu	72	1	51.03	ppb	1.35	50	102.1	90 - 110	
66 Zn	72	1	50.40	ppb	1.55	50	100.8	90 - 110	
75 As	72	1	50.58	ppb	0.80	50	101.2	90 - 110	
78 Se	72	1	49.86	ppb	3.15	50	99.7	90 - 110	
95 Mo	72	1	49.58	ppb	1.30	50	99.2	90 - 110	
107 Ag	115	1	51.52	ppb	1.04	50	103.0	90 - 110	
111 Cd	115	1	50.73	ppb	1.05	50	101.5	90 - 110	
118 Sn	115	1	49.92	ppb	0.67	50	99.8	90 - 110	
121 Sb	115	1	50.43	ppb	0.69	50	100.9	90 - 110	
137 Ba	115	1	50.84	ppb	1.13	50	101.7	90 - 110	
205 Tl	165	1	51.23	ppb	0.63	50	102.5	90 - 110	
208 Pb	165	1	51.40	ppb	0.39	50	102.8	90 - 110	
232 Th	165	1	50.61	ppb	1.18	50	101.2	90 - 110	
238 U	165	1	50.90	ppb	1.24	50	101.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	498696	1.29	519530	96.0	30 - 120	
45 Sc	1	2658394	0.46	2751291	96.6	30 - 120	
72 Ge	1	1634910	1.04	1702933	96.0	30 - 120	
115 In	1	5365674	0.73	5506681	97.4	30 - 120	
165 Ho	1	10513681	0.64	10658309	98.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\173_CCB.D\173_CCB.D#
Date Acquired: Apr 3 2012 01:28 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.014	ppb	55.42	1.00	
51 V	72	1	0.001	ppb	2535.50	1.00	
52 Cr	72	1	0.015	ppb	62.27	1.00	
55 Mn	72	1	0.033	ppb	28.48	1.00	
59 Co	72	1	0.007	ppb	41.47	1.00	
60 Ni	72	1	0.008	ppb	52.05	1.00	
63 Cu	72	1	0.015	ppb	39.16	1.00	
66 Zn	72	1	0.102	ppb	26.83	1.00	
75 As	72	1	0.014	ppb	47.68	1.00	
78 Se	72	1	-0.313	ppb	44.93	1.00	
95 Mo	72	1	0.005	ppb	53.45	1.00	
107 Ag	115	1	0.017	ppb	18.05	1.00	
111 Cd	115	1	0.017	ppb	32.51	1.00	
118 Sn	115	1	0.046	ppb	19.80	1.00	
121 Sb	115	1	0.057	ppb	7.08	1.00	
137 Ba	115	1	-0.004	ppb	152.85	1.00	
205 Tl	165	1	0.031	ppb	19.21	1.00	
208 Pb	165	1	0.007	ppb	33.37	1.00	
232 Th	165	1	0.045	ppb	14.57	1.00	
238 U	165	1	0.009	ppb	8.93	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	495109	0.94	519530	95.3	30 - 120	
45 Sc	1	2621730	0.79	2751291	95.3	30 - 120	
72 Ge	1	1605361	1.94	1702933	94.3	30 - 120	
115 In	1	5351765	0.74	5506681	97.2	30 - 120	
165 Ho	1	10416488	0.79	10658309	97.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\174_BLK.D\174_BLK.D#
Date Acquired: Apr 3 2012 01:31 am
Operator: TEL
Sample Name: mb 280-113855/1-a
Misc Info: BLANK 113855 6020
Vial Number: 3404
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.033 ppb	64.73	2.00	
51 V	72	1	0.006 ppb	180.03	2.00	
52 Cr	72	1	0.002 ppb	302.79	2.00	
55 Mn	72	1	-0.002 ppb	96.73	2.00	
59 Co	72	1	0.003 ppb	88.02	2.00	
60 Ni	72	1	0.034 ppb	22.25	2.00	
63 Cu	72	1	0.010 ppb	59.36	2.00	
66 Zn	72	1	1.044 ppb	1.67	2.00	
75 As	72	1	0.012 ppb	48.85	2.00	
78 Se	72	1	-0.155 ppb	56.73	2.00	
95 Mo	72	1	-0.015 ppb	59.41	2.00	
107 Ag	115	1	0.007 ppb	47.62	2.00	
111 Cd	115	1	-0.013 ppb	34.21	2.00	
118 Sn	115	1	0.036 ppb	25.16	2.00	
121 Sb	115	1	0.024 ppb	7.82	2.00	
137 Ba	115	1	-0.009 ppb	61.63	2.00	
205 Tl	165	1	0.009 ppb	32.02	2.00	
208 Pb	165	1	0.002 ppb	151.68	2.00	
232 Th	165	1	0.012 ppb	29.62	2.00	
238 U	165	1	0.006 ppb	59.70	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	495338	0.95	519530	95.3	30 - 120	
45 Sc	1	2647760	1.20	2751291	96.2	30 - 120	
72 Ge	1	1653551	1.19	1702933	97.1	30 - 120	
115 In	1	5359858	0.71	5506681	97.3	30 - 120	
165 Ho	1	10406097	0.48	10658309	97.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\175_LCS.D\175_LCS.D#
Date Acquired: Apr 3 2012 01:34 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113855/2-a
Misc Info: LCS
Vial Number: 3405
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	42.47	0.70	40	106.2	80 - 120	
51 V	72	1	41.67	1.15	40	104.2	80 - 120	
52 Cr	72	1	41.55	1.10	40	103.9	80 - 120	
55 Mn	72	1	40.71	1.31	40	101.8	80 - 120	
59 Co	72	1	41.52	1.31	40	103.8	80 - 120	
60 Ni	72	1	38.72	1.02	40	96.8	80 - 120	
63 Cu	72	1	41.61	1.13	40	104.0	80 - 120	
66 Zn	72	1	44.93	1.03	40	112.3	80 - 120	
75 As	72	1	42.16	0.81	40	105.4	80 - 120	
78 Se	72	1	42.35	2.38	40	105.9	80 - 120	
95 Mo	72	1	39.56	1.65	40	98.9	80 - 120	
107 Ag	115	1	42.04	1.46	40	105.1	80 - 120	
111 Cd	115	1	41.68	0.67	40	104.2	80 - 120	
118 Sn	115	1	40.22	0.36	40	100.6	80 - 120	
121 Sb	115	1	41.45	0.69	40	103.6	80 - 120	
137 Ba	115	1	40.88	1.28	40	102.2	80 - 120	
205 Tl	165	1	42.14	1.17	40	105.4	80 - 120	
208 Pb	165	1	41.54	0.62	40	103.9	80 - 120	
232 Th	165	1	41.12	1.79	40	102.8	80 - 120	
238 U	165	1	41.70	1.88	40	104.3	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	489817	0.24	519530	94.3	30 - 120	
45 Sc	1	2601810	0.65	2751291	94.6	30 - 120	
72 Ge	1	1630559	0.89	1702933	95.8	30 - 120	
115 In	1	5330961	0.86	5506681	96.8	30 - 120	
165 Ho	1	10328203	0.48	10658309	96.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\176AREF.D\176AREF.D#
Date Acquired: Apr 3 2012 01:37 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-1-a
Misc Info:
Vial Number: 3406
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	53.02	3600	
51 V	72	1	0.10	0.10	ppb	27.77	3600	
52 Cr	72	1	0.12	0.12	ppb	21.45	3600	
55 Mn	72	1	3,155.00	3155.00	ppb	1.78	18000	
59 Co	72	1	2.66	2.66	ppb	2.91	3600	
60 Ni	72	1	2.06	2.06	ppb	2.18	3600	
63 Cu	72	1	0.28	0.28	ppb	3.55	3600	
66 Zn	72	1	28.54	28.54	ppb	1.16	3600	
75 As	72	1	1.66	1.66	ppb	3.27	3600	
78 Se	72	1	-0.12	-0.12	ppb	115.99	3600	
95 Mo	72	1	0.72	0.72	ppb	5.07	3600	
107 Ag	115	1	0.01	0.01	ppb	14.54	3600	
111 Cd	115	1	0.02	0.02	ppb	48.61	3600	
118 Sn	115	1	0.06	0.06	ppb	16.56	3600	
121 Sb	115	1	0.08	0.08	ppb	9.26	3600	
137 Ba	115	1	136.50	136.50	ppb	0.61	3600	
205 Tl	165	1	0.04	0.04	ppb	30.46	3600	
208 Pb	165	1	0.06	0.06	ppb	15.92	3600	
232 Th	165	1	0.05	0.05	ppb	18.18	1000	
238 U	165	1	16.44	16.44	ppb	0.62	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	340137	2.36	519530	65.5	30 - 120	
45 Sc	1	1836622	0.94	2751291	66.8	30 - 120	
72 Ge	1	1033356	1.71	1702933	60.7	30 - 120	
115 In	1	3546587	0.74	5506681	64.4	30 - 120	
165 Ho	1	7619002	0.51	10658309	71.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\177SDIL.D\177SDIL.D#
Date Acquired: Apr 3 2012 01:39 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-1-a SD@5
Misc Info: SERIAL DILUTION
Vial Number: 3407
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\176AREF.D\176AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.01	ppb	286.48	0.00	148.0	90 - 110	
51 V	72	1	-0.02	ppb	43.25	0.02	-122.3	90 - 110	
52 Cr	72	1	0.03	ppb	39.92	0.02	131.2	90 - 110	
55 Mn	72	1	635.60	ppb	0.43	631.00	100.7	90 - 110	
59 Co	72	1	0.53	ppb	2.93	0.53	100.7	90 - 110	
60 Ni	72	1	0.48	ppb	3.43	0.41	115.5	90 - 110	
63 Cu	72	1	0.09	ppb	10.45	0.06	162.2	90 - 110	
66 Zn	72	1	6.17	ppb	1.52	5.71	108.1	90 - 110	
75 As	72	1	0.29	ppb	7.15	0.33	87.2	90 - 110	
78 Se	72	1	-0.14	ppb	138.48	-0.02	566.3	90 - 110	
95 Mo	72	1	0.14	ppb	8.87	0.14	97.0	90 - 110	
107 Ag	115	1	0.00	ppb	28.95	0.00	150.9	90 - 110	
111 Cd	115	1	0.01	ppb	190.85	0.00	175.0	90 - 110	
118 Sn	115	1	0.02	ppb	28.97	0.01	136.8	90 - 110	
121 Sb	115	1	0.02	ppb	13.00	0.02	136.0	90 - 110	
137 Ba	115	1	27.51	ppb	1.73	27.30	100.8	90 - 110	
205 Tl	165	1	0.01	ppb	29.99	0.01	69.9	90 - 110	
208 Pb	165	1	0.01	ppb	18.57	0.01	73.5	90 - 110	
232 Th	165	1	0.01	ppb	5.21	0.01	122.7	90 - 110	
238 U	165	1	3.19	ppb	1.47	3.29	97.1	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	414845	0.33	519530	79.9	30 - 120	
45 Sc	1	2251128	0.19	2751291	81.8	30 - 120	
72 Ge	1	1320147	0.74	1702933	77.5	30 - 120	
115 In	1	4390599	1.69	5506681	79.7	30 - 120	
165 Ho	1	9054121	0.78	10658309	84.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\178PDS.D\178PDS.D#
Date Acquired: Apr 3 2012 01:42 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-1-a PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 3408
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	203.20	0.02	ppb	1.24	200	101.6	75 - 125	
51 V	72	1	215.10	0.10	ppb	1.13	200	107.5	75 - 125	
52 Cr	72	1	201.50	0.12	ppb	0.09	200	100.7	75 - 125	
55 Mn	72	1	3311.00	3155.00	ppb	0.42	200	98.7	75 - 125	
59 Co	72	1	192.80	2.66	ppb	0.69	200	95.1	75 - 125	
60 Ni	72	1	179.20	2.06	ppb	1.23	200	88.7	75 - 125	
63 Cu	72	1	174.60	0.28	ppb	0.10	200	87.2	75 - 125	
66 Zn	72	1	205.50	28.54	ppb	0.37	200	89.9	75 - 125	
75 As	72	1	204.30	1.66	ppb	0.66	200	101.3	75 - 125	
78 Se	72	1	190.80	-0.12	ppb	0.82	200	95.5	75 - 125	
95 Mo	72	1	216.40	0.72	ppb	1.33	200	107.8	75 - 125	
107 Ag	115	1	41.38	0.01	ppb	0.94	50	82.7	75 - 125	
111 Cd	115	1	179.70	0.02	ppb	0.85	200	89.8	75 - 125	
118 Sn	115	1	190.50	0.06	ppb	0.68	200	95.2	75 - 125	
121 Sb	115	1	198.70	0.08	ppb	0.62	200	99.3	75 - 125	
137 Ba	115	1	341.00	136.50	ppb	1.02	200	101.3	75 - 125	
205 Tl	165	1	176.40	0.04	ppb	0.50	200	88.2	75 - 125	
208 Pb	165	1	170.60	0.06	ppb	0.65	200	85.3	75 - 125	
232 Th	165	1	0.01	0.05	ppb	6.94	200	0.0	75 - 125	
238 U	165	1	218.40	16.44	ppb	1.12	200	100.9	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	327189	1.36	519530	63.0	30 - 120	
45 Sc	1	1833542	0.38	2751291	66.6	30 - 120	
72 Ge	1	1021148	0.51	1702933	60.0	30 - 120	
115 In	1	3501808	0.19	5506681	63.6	30 - 120	
165 Ho	1	7556172	0.47	10658309	70.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\179_MS.D\179_MS.D#
Date Acquired: Apr 3 2012 01:45 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-1-b ms
Misc Info: MATRIX SPIKE
Vial Number: 3409
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	44.21	0.02	ppb	3.08	40	110.5	50 - 150	
51 V	72	1	46.99	0.10	ppb	0.72	40	117.2	50 - 150	
52 Cr	72	1	43.50	0.12	ppb	1.29	40	108.4	50 - 150	
55 Mn	72	1	3294.00	3155.00	ppb	0.88	40	103.1	50 - 150	
59 Co	72	1	45.01	2.66	ppb	1.27	40	105.5	50 - 150	
60 Ni	72	1	38.57	2.06	ppb	0.83	40	91.7	50 - 150	
63 Cu	72	1	37.11	0.28	ppb	0.78	40	92.1	50 - 150	
66 Zn	72	1	66.95	28.54	ppb	0.51	40	97.7	50 - 150	
75 As	72	1	44.92	1.66	ppb	1.03	40	107.8	50 - 150	
78 Se	72	1	42.27	-0.12	ppb	1.25	40	106.0	50 - 150	
95 Mo	72	1	46.96	0.72	ppb	0.98	40	115.3	50 - 150	
107 Ag	115	1	34.64	0.01	ppb	0.80	40	86.6	50 - 150	
111 Cd	115	1	37.59	0.02	ppb	1.15	40	93.9	50 - 150	
118 Sn	115	1	40.18	0.06	ppb	0.40	40	100.3	50 - 150	
121 Sb	115	1	41.68	0.08	ppb	0.67	40	104.0	50 - 150	
137 Ba	115	1	183.70	136.50	ppb	0.83	40	104.1	50 - 150	
205 Tl	165	1	38.69	0.04	ppb	0.98	40	96.6	50 - 150	
208 Pb	165	1	37.04	0.06	ppb	1.32	40	92.5	50 - 150	
232 Th	165	1	44.84	0.05	ppb	2.21	40	112.0	50 - 150	
238 U	165	1	60.74	16.44	ppb	1.57	40	107.6	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	322853	1.41	519530	62.1	30 - 120	
45 Sc	1	1788857	0.12	2751291	65.0	30 - 120	
72 Ge	1	1003073	0.60	1702933	58.9	30 - 120	
115 In	1	3460344	0.71	5506681	62.8	30 - 120	
165 Ho	1	7454863	0.98	10658309	69.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\180_MSD.D\180_MSD.D#
Date Acquired: Apr 3 2012 01:48 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-1-c msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3410
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\179_MS.D\179_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	43.66	ppb	1.72	44.21	1.25	20	
51 V	72	1	46.07	ppb	1.32	46.99	1.98	20	
52 Cr	72	1	42.89	ppb	1.15	43.50	1.41	20	
55 Mn	72	1	3233.00	ppb	1.22	3294.00	1.87	20	
59 Co	72	1	44.22	ppb	0.76	45.01	1.77	20	
60 Ni	72	1	38.45	ppb	1.28	38.57	0.31	20	
63 Cu	72	1	37.00	ppb	1.40	37.11	0.30	20	
66 Zn	72	1	65.69	ppb	1.60	66.95	1.90	20	
75 As	72	1	44.08	ppb	1.35	44.92	1.89	20	
78 Se	72	1	42.03	ppb	1.93	42.27	0.57	20	
95 Mo	72	1	45.96	ppb	1.94	46.96	2.15	20	
107 Ag	115	1	34.30	ppb	0.56	34.64	0.99	20	
111 Cd	115	1	37.16	ppb	0.79	37.59	1.15	20	
118 Sn	115	1	39.65	ppb	0.59	40.18	1.33	20	
121 Sb	115	1	41.44	ppb	0.62	41.68	0.58	20	
137 Ba	115	1	182.50	ppb	2.71	183.70	0.66	20	
205 Tl	165	1	38.57	ppb	1.02	38.69	0.31	20	
208 Pb	165	1	36.45	ppb	0.62	37.04	1.61	20	
232 Th	165	1	44.29	ppb	1.48	44.84	1.23	20	
238 U	165	1	60.50	ppb	0.95	60.74	0.40	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	319832	1.46	519530	61.6	30 - 120	
45 Sc	1	1812288	0.12	2751291	65.9	30 - 120	
72 Ge	1	1018717	1.36	1702933	59.8	30 - 120	
115 In	1	3486146	0.62	5506681	63.3	30 - 120	
165 Ho	1	7493006	0.62	10658309	70.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\181SMPL.D\181SMPL.D#
Date Acquired: Apr 3 2012 01:51 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-2-a
Misc Info:
Vial Number: 3411
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.06	0.06	ppb	18.96	3600	
51 V	72	1	1.22	1.22	ppb	3.54	3600	
52 Cr	72	1	1.10	1.10	ppb	2.92	3600	
55 Mn	72	1	6.59	6.59	ppb	9.32	18000	
59 Co	72	1	0.18	0.18	ppb	1.05	3600	
60 Ni	72	1	1.69	1.69	ppb	0.78	3600	
63 Cu	72	1	4.90	4.90	ppb	0.84	3600	
66 Zn	72	1	28.79	28.79	ppb	1.72	3600	
75 As	72	1	0.58	0.58	ppb	9.13	3600	
78 Se	72	1	1.21	1.21	ppb	11.40	3600	
95 Mo	72	1	2.76	2.76	ppb	2.76	3600	
107 Ag	115	1	0.02	0.02	ppb	36.35	3600	
111 Cd	115	1	0.01	0.01	ppb	64.66	3600	
118 Sn	115	1	0.06	0.06	ppb	25.81	3600	
121 Sb	115	1	0.25	0.25	ppb	7.00	3600	
137 Ba	115	1	122.30	122.30	ppb	0.94	3600	
205 Tl	165	1	0.03	0.03	ppb	29.13	3600	
208 Pb	165	1	0.08	0.08	ppb	15.01	3600	
232 Th	165	1	0.06	0.06	ppb	26.04	1000	
238 U	165	1	6.30	6.30	ppb	0.29	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	366945	0.37	519530	70.6	30 - 120	
45 Sc	1	2120825	0.96	2751291	77.1	30 - 120	
72 Ge	1	1307770	1.26	1702933	76.8	30 - 120	
115 In	1	4353280	0.44	5506681	79.1	30 - 120	
165 Ho	1	8765955	0.44	10658309	82.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\182SMPL.D\182SMPL.D#
Date Acquired: Apr 3 2012 01:54 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-3-a
Misc Info:
Vial Number: 3412
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	123.60	3600	
51 V	72	1	0.11	0.11	ppb	92.86	3600	
52 Cr	72	1	0.15	0.15	ppb	8.44	3600	
55 Mn	72	1	3,086.00	3086.00	ppb	1.39	18000	
59 Co	72	1	6.14	6.14	ppb	1.36	3600	
60 Ni	72	1	3.60	3.60	ppb	3.59	3600	
63 Cu	72	1	0.29	0.29	ppb	3.01	3600	
66 Zn	72	1	34.05	34.05	ppb	1.95	3600	
75 As	72	1	1.43	1.43	ppb	4.04	3600	
78 Se	72	1	0.09	0.09	ppb	385.02	3600	
95 Mo	72	1	1.01	1.01	ppb	6.15	3600	
107 Ag	115	1	0.01	0.01	ppb	30.98	3600	
111 Cd	115	1	0.14	0.14	ppb	14.00	3600	
118 Sn	115	1	0.08	0.08	ppb	13.55	3600	
121 Sb	115	1	0.04	0.04	ppb	10.16	3600	
137 Ba	115	1	140.30	140.30	ppb	0.45	3600	
205 Tl	165	1	0.06	0.06	ppb	2.68	3600	
208 Pb	165	1	0.06	0.06	ppb	6.29	3600	
232 Th	165	1	0.01	0.01	ppb	13.44	1000	
238 U	165	1	17.34	17.34	ppb	0.92	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	302975	0.55	519530	58.3	30 - 120	
45 Sc	1	1760641	1.75	2751291	64.0	30 - 120	
72 Ge	1	963803	1.11	1702933	56.6	30 - 120	
115 In	1	3327297	0.95	5506681	60.4	30 - 120	
165 Ho	1	7148276	0.34	10658309	67.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\183SMPL.D\183SMPL.D#
Date Acquired: Apr 3 2012 01:57 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-4-a
Misc Info:
Vial Number: 3501
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	122.68	3600	
51 V	72	1	0.15	0.15	ppb	52.92	3600	
52 Cr	72	1	0.11	0.11	ppb	5.79	3600	
55 Mn	72	1	1,175.00	1175.00	ppb	1.51	18000	
59 Co	72	1	3.89	3.89	ppb	1.47	3600	
60 Ni	72	1	1.96	1.96	ppb	3.00	3600	
63 Cu	72	1	0.64	0.64	ppb	3.42	3600	
66 Zn	72	1	26.06	26.06	ppb	2.94	3600	
75 As	72	1	7.30	7.30	ppb	0.88	3600	
78 Se	72	1	-0.03	-0.03	ppb	651.54	3600	
95 Mo	72	1	2.14	2.14	ppb	3.62	3600	
107 Ag	115	1	0.00	0.00	ppb	47.11	3600	
111 Cd	115	1	0.04	0.04	ppb	20.31	3600	
118 Sn	115	1	0.03	0.03	ppb	13.06	3600	
121 Sb	115	1	0.03	0.03	ppb	9.43	3600	
137 Ba	115	1	148.10	148.10	ppb	0.14	3600	
205 Tl	165	1	0.03	0.03	ppb	2.63	3600	
208 Pb	165	1	0.02	0.02	ppb	15.47	3600	
232 Th	165	1	0.01	0.01	ppb	19.68	1000	
238 U	165	1	11.63	11.63	ppb	0.31	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	306451	0.95	519530	59.0	30 - 120	
45 Sc	1	1828238	1.19	2751291	66.5	30 - 120	
72 Ge	1	1025651	0.29	1702933	60.2	30 - 120	
115 In	1	3458044	0.65	5506681	62.8	30 - 120	
165 Ho	1	7372196	0.25	10658309	69.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\184_CCV.D\184_CCV.D#
Date Acquired: Apr 3 2012 02:00 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	54.89	ppb	2.37	50	109.8	90 - 110	
51 V	72	1	52.22	ppb	2.86	50	104.4	90 - 110	
52 Cr	72	1	51.14	ppb	1.51	50	102.3	90 - 110	
55 Mn	72	1	51.38	ppb	3.36	50	102.8	90 - 110	
59 Co	72	1	51.95	ppb	0.94	50	103.9	90 - 110	
60 Ni	72	1	48.33	ppb	1.65	50	96.7	90 - 110	
63 Cu	72	1	51.45	ppb	1.12	50	102.9	90 - 110	
66 Zn	72	1	50.00	ppb	1.57	50	100.0	90 - 110	
75 As	72	1	51.17	ppb	1.35	50	102.3	90 - 110	
78 Se	72	1	51.65	ppb	3.42	50	103.3	90 - 110	
95 Mo	72	1	49.70	ppb	0.73	50	99.4	90 - 110	
107 Ag	115	1	51.18	ppb	1.82	50	102.4	90 - 110	
111 Cd	115	1	49.33	ppb	0.96	50	98.7	90 - 110	
118 Sn	115	1	48.75	ppb	1.01	50	97.5	90 - 110	
121 Sb	115	1	49.62	ppb	0.98	50	99.2	90 - 110	
137 Ba	115	1	50.62	ppb	1.06	50	101.2	90 - 110	
205 Tl	165	1	51.25	ppb	1.47	50	102.5	90 - 110	
208 Pb	165	1	51.43	ppb	1.01	50	102.9	90 - 110	
232 Th	165	1	51.03	ppb	2.48	50	102.1	90 - 110	
238 U	165	1	50.90	ppb	1.72	50	101.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	338530	1.53	519530	65.2	30 - 120	
45 Sc	1	2166298	0.61	2751291	78.7	30 - 120	
72 Ge	1	1342114	1.30	1702933	78.8	30 - 120	
115 In	1	4558794	1.04	5506681	82.8	30 - 120	
165 Ho	1	8886035	0.49	10658309	83.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\185_CCB.D\185_CCB.D#
Date Acquired: Apr 3 2012 02:03 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.009	ppb	127.08	1.00	
51 V	72	1	0.007	ppb	140.48	1.00	
52 Cr	72	1	0.010	ppb	22.88	1.00	
55 Mn	72	1	0.199	ppb	11.53	1.00	
59 Co	72	1	0.005	ppb	35.93	1.00	
60 Ni	72	1	0.003	ppb	128.43	1.00	
63 Cu	72	1	0.026	ppb	22.69	1.00	
66 Zn	72	1	0.099	ppb	7.20	1.00	
75 As	72	1	0.011	ppb	24.78	1.00	
78 Se	72	1	0.208	ppb	149.45	1.00	
95 Mo	72	1	-0.009	ppb	117.29	1.00	
107 Ag	115	1	0.012	ppb	17.12	1.00	
111 Cd	115	1	0.006	ppb	79.86	1.00	
118 Sn	115	1	0.036	ppb	36.95	1.00	
121 Sb	115	1	0.040	ppb	10.50	1.00	
137 Ba	115	1	0.003	ppb	166.03	1.00	
205 Tl	165	1	0.017	ppb	10.45	1.00	
208 Pb	165	1	0.002	ppb	140.86	1.00	
232 Th	165	1	0.042	ppb	11.92	1.00	
238 U	165	1	0.007	ppb	12.25	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	334640	0.81	519530	64.4	30 - 120	
45 Sc	1	2165386	0.89	2751291	78.7	30 - 120	
72 Ge	1	1348449	0.16	1702933	79.2	30 - 120	
115 In	1	4539714	0.24	5506681	82.4	30 - 120	
165 Ho	1	8811064	0.33	10658309	82.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\186SMPL.D\186SMPL.D#
Date Acquired: Apr 3 2012 02:06 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-5-a
Misc Info:
Vial Number: 3502
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	439.38	3600	
51 V	72	1	1.39	1.39	ppb	0.92	3600	
52 Cr	72	1	0.64	0.64	ppb	0.51	3600	
55 Mn	72	1	2.82	2.82	ppb	2.15	18000	
59 Co	72	1	0.12	0.12	ppb	4.84	3600	
60 Ni	72	1	0.64	0.64	ppb	2.55	3600	
63 Cu	72	1	2.75	2.75	ppb	1.93	3600	
66 Zn	72	1	18.82	18.82	ppb	1.68	3600	
75 As	72	1	0.80	0.80	ppb	2.70	3600	
78 Se	72	1	0.60	0.60	ppb	4.56	3600	
95 Mo	72	1	10.78	10.78	ppb	0.88	3600	
107 Ag	115	1	0.01	0.01	ppb	11.02	3600	
111 Cd	115	1	0.00	0.00	ppb	2568.70	3600	
118 Sn	115	1	0.04	0.04	ppb	2.46	3600	
121 Sb	115	1	0.55	0.55	ppb	3.36	3600	
137 Ba	115	1	169.60	169.60	ppb	1.49	3600	
205 Tl	165	1	0.02	0.02	ppb	27.20	3600	
208 Pb	165	1	0.02	0.02	ppb	19.59	3600	
232 Th	165	1	0.02	0.02	ppb	24.45	1000	
238 U	165	1	4.14	4.14	ppb	0.54	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	315121	0.85	519530	60.7	30 - 120	
45 Sc	1	1997300	1.43	2751291	72.6	30 - 120	
72 Ge	1	1218705	1.57	1702933	71.6	30 - 120	
115 In	1	4101239	0.77	5506681	74.5	30 - 120	
165 Ho	1	8201264	0.77	10658309	76.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\187SMPL.D\187SMPL.D#
Date Acquired: Apr 3 2012 02:08 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-6-a
Misc Info:
Vial Number: 3503
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	37.94	3600	
51 V	72	1	-0.01	-0.01	ppb	326.00	3600	
52 Cr	72	1	0.11	0.11	ppb	4.11	3600	
55 Mn	72	1	2,366.00	2366.00	ppb	0.41	18000	
59 Co	72	1	3.55	3.55	ppb	0.81	3600	
60 Ni	72	1	3.46	3.46	ppb	3.14	3600	
63 Cu	72	1	0.34	0.34	ppb	5.43	3600	
66 Zn	72	1	24.93	24.93	ppb	0.61	3600	
75 As	72	1	1.51	1.51	ppb	4.22	3600	
78 Se	72	1	0.54	0.54	ppb	49.50	3600	
95 Mo	72	1	0.30	0.30	ppb	2.06	3600	
107 Ag	115	1	0.01	0.01	ppb	35.41	3600	
111 Cd	115	1	0.07	0.07	ppb	18.60	3600	
118 Sn	115	1	0.06	0.06	ppb	30.59	3600	
121 Sb	115	1	0.04	0.04	ppb	4.76	3600	
137 Ba	115	1	43.19	43.19	ppb	0.30	3600	
205 Tl	165	1	0.03	0.03	ppb	12.97	3600	
208 Pb	165	1	0.05	0.05	ppb	18.28	3600	
232 Th	165	1	0.01	0.01	ppb	10.84	1000	
238 U	165	1	39.30	39.30	ppb	0.90	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	270086	0.93	519530	52.0	30 - 120	
45 Sc	1	1719145	2.17	2751291	62.5	30 - 120	
72 Ge	1	908758	1.78	1702933	53.4	30 - 120	
115 In	1	3154514	1.88	5506681	57.3	30 - 120	
165 Ho	1	6698505	1.49	10658309	62.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\188SMPL.D\188SMPL.D#
Date Acquired: Apr 3 2012 02:11 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-7-a
Misc Info:
Vial Number: 3504
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	78.46	3600	
51 V	72	1	0.39	0.39	ppb	6.43	3600	
52 Cr	72	1	0.15	0.15	ppb	3.13	3600	
55 Mn	72	1	1,612.00	1612.00	ppb	1.15	18000	
59 Co	72	1	1.48	1.48	ppb	1.21	3600	
60 Ni	72	1	1.74	1.74	ppb	2.92	3600	
63 Cu	72	1	0.37	0.37	ppb	2.24	3600	
66 Zn	72	1	22.35	22.35	ppb	0.91	3600	
75 As	72	1	1.80	1.80	ppb	3.89	3600	
78 Se	72	1	0.37	0.37	ppb	84.35	3600	
95 Mo	72	1	1.61	1.61	ppb	1.99	3600	
107 Ag	115	1	0.00	0.00	ppb	37.52	3600	
111 Cd	115	1	0.02	0.02	ppb	10.16	3600	
118 Sn	115	1	0.03	0.03	ppb	25.82	3600	
121 Sb	115	1	0.03	0.03	ppb	7.35	3600	
137 Ba	115	1	89.45	89.45	ppb	0.60	3600	
205 Tl	165	1	0.01	0.01	ppb	1.58	3600	
208 Pb	165	1	0.05	0.05	ppb	3.97	3600	
232 Th	165	1	0.00	0.00	ppb	14.24	1000	
238 U	165	1	36.33	36.33	ppb	0.48	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	295034	0.34	519530	56.8	30 - 120	
45 Sc	1	1928364	1.39	2751291	70.1	30 - 120	
72 Ge	1	1083693	1.09	1702933	63.6	30 - 120	
115 In	1	3609965	1.57	5506681	65.6	30 - 120	
165 Ho	1	7421829	0.84	10658309	69.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\189SMPL.D\189SMPL.D#
Date Acquired: Apr 3 2012 02:14 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-8-a
Misc Info:
Vial Number: 3505
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	120.19	3600	
51 V	72	1	0.40	0.40	ppb	11.54	3600	
52 Cr	72	1	0.49	0.49	ppb	3.66	3600	
55 Mn	72	1	1,641.00	1641.00	ppb	1.34	18000	
59 Co	72	1	1.56	1.56	ppb	1.38	3600	
60 Ni	72	1	1.86	1.86	ppb	2.36	3600	
63 Cu	72	1	0.57	0.57	ppb	3.74	3600	
66 Zn	72	1	15.56	15.56	ppb	1.38	3600	
75 As	72	1	1.93	1.93	ppb	0.67	3600	
78 Se	72	1	0.16	0.16	ppb	123.43	3600	
95 Mo	72	1	1.70	1.70	ppb	3.60	3600	
107 Ag	115	1	0.00	0.00	ppb	28.93	3600	
111 Cd	115	1	-0.01	-0.01	ppb	123.08	3600	
118 Sn	115	1	0.04	0.04	ppb	11.45	3600	
121 Sb	115	1	0.03	0.03	ppb	10.03	3600	
137 Ba	115	1	75.48	75.48	ppb	0.46	3600	
205 Tl	165	1	0.01	0.01	ppb	18.18	3600	
208 Pb	165	1	0.08	0.08	ppb	2.55	3600	
232 Th	165	1	0.00	0.00	ppb	17.49	1000	
238 U	165	1	35.98	35.98	ppb	1.28	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	291225	0.18	519530	56.1	30 - 120	
45 Sc	1	1953575	1.46	2751291	71.0	30 - 120	
72 Ge	1	1098511	2.31	1702933	64.5	30 - 120	
115 In	1	3618707	1.32	5506681	65.7	30 - 120	
165 Ho	1	7409186	0.52	10658309	69.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\190SMPL.D\190SMPL.D#
Date Acquired: Apr 3 2012 02:17 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-11-a
Misc Info:
Vial Number: 3506
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	95.41	3600	
51 V	72	1	1.13	1.13	ppb	4.13	3600	
52 Cr	72	1	0.07	0.07	ppb	3.10	3600	
55 Mn	72	1	1,907.00	1907.00	ppb	0.79	18000	
59 Co	72	1	2.74	2.74	ppb	1.88	3600	
60 Ni	72	1	4.29	4.29	ppb	1.01	3600	
63 Cu	72	1	0.30	0.30	ppb	4.38	3600	
66 Zn	72	1	18.45	18.45	ppb	0.48	3600	
75 As	72	1	4.50	4.50	ppb	2.71	3600	
78 Se	72	1	0.59	0.59	ppb	16.77	3600	
95 Mo	72	1	1.45	1.45	ppb	3.49	3600	
107 Ag	115	1	0.00	0.00	ppb	39.93	3600	
111 Cd	115	1	0.04	0.04	ppb	52.64	3600	
118 Sn	115	1	0.02	0.02	ppb	23.10	3600	
121 Sb	115	1	0.06	0.06	ppb	9.21	3600	
137 Ba	115	1	100.40	100.40	ppb	0.70	3600	
205 Tl	165	1	0.02	0.02	ppb	11.01	3600	
208 Pb	165	1	0.07	0.07	ppb	2.35	3600	
232 Th	165	1	0.00	0.00	ppb	36.73	1000	
238 U	165	1	19.11	19.11	ppb	1.11	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	290170	0.48	519530	55.9	30 - 120	
45 Sc	1	1996142	1.51	2751291	72.6	30 - 120	
72 Ge	1	1132716	2.30	1702933	66.5	30 - 120	
115 In	1	3748905	0.58	5506681	68.1	30 - 120	
165 Ho	1	7532645	0.37	10658309	70.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\191SMPL.D\191SMPL.D#
Date Acquired: Apr 3 2012 02:20 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-12-a
Misc Info:
Vial Number: 3507
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.05	0.05	ppb	94.51	3600	
51 V	72	1	0.29	0.29	ppb	5.17	3600	
52 Cr	72	1	0.21	0.21	ppb	5.59	3600	
55 Mn	72	1	489.60	489.60	ppb	2.43	18000	
59 Co	72	1	0.63	0.63	ppb	1.46	3600	
60 Ni	72	1	0.87	0.87	ppb	9.69	3600	
63 Cu	72	1	0.30	0.30	ppb	3.14	3600	
66 Zn	72	1	23.86	23.86	ppb	1.56	3600	
75 As	72	1	1.32	1.32	ppb	2.37	3600	
78 Se	72	1	0.61	0.61	ppb	11.37	3600	
95 Mo	72	1	0.83	0.83	ppb	7.86	3600	
107 Ag	115	1	0.00	0.00	ppb	63.69	3600	
111 Cd	115	1	-0.01	-0.01	ppb	9.72	3600	
118 Sn	115	1	0.02	0.02	ppb	40.24	3600	
121 Sb	115	1	0.02	0.02	ppb	10.14	3600	
137 Ba	115	1	105.90	105.90	ppb	0.83	3600	
205 Tl	165	1	0.00	0.00	ppb	7.78	3600	
208 Pb	165	1	0.02	0.02	ppb	6.26	3600	
232 Th	165	1	0.00	0.00	ppb	20.89	1000	
238 U	165	1	14.95	14.95	ppb	1.25	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	277116	1.43	519530	53.3	30 - 120	
45 Sc	1	1965941	0.94	2751291	71.5	30 - 120	
72 Ge	1	1126566	1.93	1702933	66.2	30 - 120	
115 In	1	3733374	0.36	5506681	67.8	30 - 120	
165 Ho	1	7446655	0.55	10658309	69.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\192SMPL.D\192SMPL.D#
Date Acquired: Apr 3 2012 02:23 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-13-a
Misc Info:
Vial Number: 3508
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	121.94	3600	
51 V	72	1	0.71	0.71	ppb	6.84	3600	
52 Cr	72	1	0.09	0.09	ppb	8.08	3600	
55 Mn	72	1	2,177.00	2177.00	ppb	1.45	18000	
59 Co	72	1	2.08	2.08	ppb	0.28	3600	
60 Ni	72	1	8.16	8.16	ppb	3.25	3600	
63 Cu	72	1	0.33	0.33	ppb	5.01	3600	
66 Zn	72	1	15.98	15.98	ppb	0.14	3600	
75 As	72	1	2.10	2.10	ppb	2.88	3600	
78 Se	72	1	0.75	0.75	ppb	7.62	3600	
95 Mo	72	1	0.97	0.97	ppb	1.25	3600	
107 Ag	115	1	0.00	0.00	ppb	37.49	3600	
111 Cd	115	1	0.09	0.09	ppb	13.94	3600	
118 Sn	115	1	0.03	0.03	ppb	15.23	3600	
121 Sb	115	1	0.03	0.03	ppb	2.93	3600	
137 Ba	115	1	86.64	86.64	ppb	0.49	3600	
205 Tl	165	1	0.00	0.00	ppb	22.21	3600	
208 Pb	165	1	0.01	0.01	ppb	37.14	3600	
232 Th	165	1	0.00	0.00	ppb	189.79	1000	
238 U	165	1	18.44	18.44	ppb	0.62	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	273936	1.32	519530	52.7	30 - 120	
45 Sc	1	1943876	2.15	2751291	70.7	30 - 120	
72 Ge	1	1084328	2.39	1702933	63.7	30 - 120	
115 In	1	3584720	1.49	5506681	65.1	30 - 120	
165 Ho	1	7180298	1.31	10658309	67.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\193SMPL.D\193SMPL.D#
Date Acquired: Apr 3 2012 02:26 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-14-a
Misc Info:
Vial Number: 3509
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	115.34	3600	
51 V	72	1	0.82	0.82	ppb	4.92	3600	
52 Cr	72	1	0.09	0.09	ppb	6.74	3600	
55 Mn	72	1	643.00	643.00	ppb	0.14	18000	
59 Co	72	1	0.82	0.82	ppb	2.19	3600	
60 Ni	72	1	2.28	2.28	ppb	3.31	3600	
63 Cu	72	1	0.47	0.47	ppb	3.24	3600	
66 Zn	72	1	24.08	24.08	ppb	0.82	3600	
75 As	72	1	4.99	4.99	ppb	1.64	3600	
78 Se	72	1	0.78	0.78	ppb	38.68	3600	
95 Mo	72	1	5.45	5.45	ppb	0.78	3600	
107 Ag	115	1	0.00	0.00	ppb	55.94	3600	
111 Cd	115	1	0.00	0.00	ppb	1253.60	3600	
118 Sn	115	1	0.01	0.01	ppb	77.41	3600	
121 Sb	115	1	0.07	0.07	ppb	8.30	3600	
137 Ba	115	1	73.09	73.09	ppb	0.49	3600	
205 Tl	165	1	0.01	0.01	ppb	8.13	3600	
208 Pb	165	1	0.01	0.01	ppb	19.28	3600	
232 Th	165	1	0.00	0.00	ppb	14.50	1000	
238 U	165	1	17.98	17.98	ppb	0.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	262807	1.68	519530	50.6	30 - 120	
45 Sc	1	1868412	0.78	2751291	67.9	30 - 120	
72 Ge	1	1065643	0.47	1702933	62.6	30 - 120	
115 In	1	3516845	0.62	5506681	63.9	30 - 120	
165 Ho	1	7017928	0.82	10658309	65.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\194SMPL.D\194SMPL.D#
Date Acquired: Apr 3 2012 02:29 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-15-a
Misc Info:
Vial Number: 3510
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	139.44	3600	
51 V	72	1	0.38	0.38	ppb	3.27	3600	
52 Cr	72	1	0.18	0.18	ppb	10.04	3600	
55 Mn	72	1	2,521.00	2521.00	ppb	0.55	18000	
59 Co	72	1	3.44	3.44	ppb	1.47	3600	
60 Ni	72	1	19.98	19.98	ppb	0.60	3600	
63 Cu	72	1	0.46	0.46	ppb	3.76	3600	
66 Zn	72	1	16.75	16.75	ppb	0.64	3600	
75 As	72	1	3.22	3.22	ppb	1.78	3600	
78 Se	72	1	1.03	1.03	ppb	33.53	3600	
95 Mo	72	1	1.44	1.44	ppb	3.11	3600	
107 Ag	115	1	0.00	0.00	ppb	66.21	3600	
111 Cd	115	1	-0.01	-0.01	ppb	284.42	3600	
118 Sn	115	1	0.07	0.07	ppb	7.10	3600	
121 Sb	115	1	0.04	0.04	ppb	9.82	3600	
137 Ba	115	1	65.35	65.35	ppb	0.78	3600	
205 Tl	165	1	0.00	0.00	ppb	44.96	3600	
208 Pb	165	1	0.03	0.03	ppb	1.89	3600	
232 Th	165	1	0.00	0.00	ppb	330.50	1000	
238 U	165	1	23.23	23.23	ppb	0.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	265206	1.56	519530	51.0	30 - 120	
45 Sc	1	1860045	2.80	2751291	67.6	30 - 120	
72 Ge	1	992909	2.82	1702933	58.3	30 - 120	
115 In	1	3326580	2.82	5506681	60.4	30 - 120	
165 Ho	1	6653845	1.24	10658309	62.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\195SMPL.D\195SMPL.D#
Date Acquired: Apr 3 2012 02:32 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27185-b-16-a
Misc Info:
Vial Number: 3511
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 01:23 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	120.07	3600	
51 V	72	1	0.01	0.01	ppb	99.03	3600	
52 Cr	72	1	0.15	0.15	ppb	5.43	3600	
55 Mn	72	1	4,381.00	4381.00	ppb	1.17	18000	
59 Co	72	1	4.34	4.34	ppb	1.05	3600	
60 Ni	72	1	21.76	21.76	ppb	0.32	3600	
63 Cu	72	1	0.30	0.30	ppb	5.22	3600	
66 Zn	72	1	31.99	31.99	ppb	1.28	3600	
75 As	72	1	6.17	6.17	ppb	0.81	3600	
78 Se	72	1	0.71	0.71	ppb	44.86	3600	
95 Mo	72	1	1.80	1.80	ppb	5.38	3600	
107 Ag	115	1	0.00	0.00	ppb	28.84	3600	
111 Cd	115	1	-0.01	-0.01	ppb	81.60	3600	
118 Sn	115	1	0.04	0.04	ppb	21.73	3600	
121 Sb	115	1	0.04	0.04	ppb	20.14	3600	
137 Ba	115	1	66.19	66.19	ppb	0.54	3600	
205 Tl	165	1	0.00	0.00	ppb	11.20	3600	
208 Pb	165	1	0.02	0.02	ppb	11.48	3600	
232 Th	165	1	0.00	0.00	ppb	185.40	1000	
238 U	165	1	14.55	14.55	ppb	0.16	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	291666	0.26	519530	56.1	30 - 120	
45 Sc	1	1987901	2.47	2751291	72.3	30 - 120	
72 Ge	1	1091807	2.08	1702933	64.1	30 - 120	
115 In	1	3567399	1.74	5506681	64.8	30 - 120	
165 Ho	1	7084805	1.09	10658309	66.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\196_CCV.D\196_CCV.D#
Date Acquired: Apr 3 2012 02:35 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	53.88	ppb	2.48	50	107.8	90 - 110	
51 V	72	1	51.82	ppb	1.75	50	103.6	90 - 110	
52 Cr	72	1	50.94	ppb	1.66	50	101.9	90 - 110	
55 Mn	72	1	51.65	ppb	2.54	50	103.3	90 - 110	
59 Co	72	1	51.73	ppb	1.90	50	103.5	90 - 110	
60 Ni	72	1	48.58	ppb	2.21	50	97.2	90 - 110	
63 Cu	72	1	51.35	ppb	2.26	50	102.7	90 - 110	
66 Zn	72	1	48.98	ppb	1.06	50	98.0	90 - 110	
75 As	72	1	51.59	ppb	1.54	50	103.2	90 - 110	
78 Se	72	1	50.61	ppb	2.89	50	101.2	90 - 110	
95 Mo	72	1	49.01	ppb	2.08	50	98.0	90 - 110	
107 Ag	115	1	50.58	ppb	1.68	50	101.2	90 - 110	
111 Cd	115	1	48.81	ppb	0.70	50	97.6	90 - 110	
118 Sn	115	1	48.84	ppb	0.28	50	97.7	90 - 110	
121 Sb	115	1	49.28	ppb	0.08	50	98.6	90 - 110	
137 Ba	115	1	51.10	ppb	0.27	50	102.2	90 - 110	
205 Tl	165	1	50.51	ppb	0.83	50	101.0	90 - 110	
208 Pb	165	1	50.04	ppb	0.98	50	100.1	90 - 110	
232 Th	165	1	49.29	ppb	1.25	50	98.6	90 - 110	
238 U	165	1	49.11	ppb	0.26	50	98.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	288160	0.50	519530	55.5	30 - 120	
45 Sc	1	2050284	0.77	2751291	74.5	30 - 120	
72 Ge	1	1284681	1.45	1702933	75.4	30 - 120	
115 In	1	4260839	0.51	5506681	77.4	30 - 120	
165 Ho	1	7936478	0.61	10658309	74.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\197_CCB.D\197_CCB.D#
Date Acquired: Apr 3 2012 02:38 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.004	ppb	366.85	1.00	
51 V	72	1	0.000	ppb	7070.20	1.00	
52 Cr	72	1	0.009	ppb	157.81	1.00	
55 Mn	72	1	0.312	ppb	5.34	1.00	
59 Co	72	1	0.003	ppb	68.82	1.00	
60 Ni	72	1	0.012	ppb	86.67	1.00	
63 Cu	72	1	0.059	ppb	5.49	1.00	
66 Zn	72	1	0.086	ppb	13.88	1.00	
75 As	72	1	0.024	ppb	31.28	1.00	
78 Se	72	1	0.555	ppb	51.96	1.00	
95 Mo	72	1	-0.016	ppb	54.37	1.00	
107 Ag	115	1	0.012	ppb	11.89	1.00	
111 Cd	115	1	0.005	ppb	80.64	1.00	
118 Sn	115	1	0.022	ppb	13.60	1.00	
121 Sb	115	1	0.036	ppb	10.50	1.00	
137 Ba	115	1	-0.006	ppb	49.98	1.00	
205 Tl	165	1	0.016	ppb	13.83	1.00	
208 Pb	165	1	0.000	ppb	1343.80	1.00	
232 Th	165	1	0.039	ppb	14.05	1.00	
238 U	165	1	0.007	ppb	10.54	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	275340	0.83	519530	53.0	30 - 120	
45 Sc	1	1997908	0.49	2751291	72.6	30 - 120	
72 Ge	1	1248396	0.22	1702933	73.3	30 - 120	
115 In	1	4146468	0.77	5506681	75.3	30 - 120	
165 Ho	1	7655976	0.34	10658309	71.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\198WASH.D\198WASH.D#
Date Acquired: Apr 3 2012 02:40 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.002 ppb	490.20	1.30	
51 V	72	1	0.003 ppb	1395.00	6.50	
52 Cr	72	1	1.298 ppb	1.31	2.60	
55 Mn	72	1	0.891 ppb	2.85	1.30	
59 Co	72	1	0.071 ppb	3.60	1.30	
60 Ni	72	1	1.058 ppb	4.43	2.60	
63 Cu	72	1	0.518 ppb	5.26	2.60	
66 Zn	72	1	3.349 ppb	1.43	13.00	
75 As	72	1	0.560 ppb	1.35	6.50	
78 Se	72	1	0.714 ppb	36.29	6.50	
95 Mo	72	1	2062.000 ppb	0.77	2.60	
107 Ag	115	1	0.062 ppb	1.47	6.50	
111 Cd	115	1	0.685 ppb	10.26	1.30	
118 Sn	115	1	0.149 ppb	9.43	13.00	
121 Sb	115	1	0.293 ppb	3.39	2.60	
137 Ba	115	1	0.197 ppb	8.09	1.30	
205 Tl	165	1	0.022 ppb	23.83	1.30	
208 Pb	165	1	0.137 ppb	1.74	1.30	
232 Th	165	1	0.035 ppb	5.68	2.60	
238 U	165	1	0.005 ppb	9.56	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	334785	3.46	519530	64.4	30 - 120	
45 Sc	1	2102479	3.26	2751291	76.4	30 - 120	
72 Ge	1	1241579	2.65	1702933	72.9	30 - 120	
115 In	1	4028647	2.06	5506681	73.2	30 - 120	
165 Ho	1	7651614	2.28	10658309	71.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\199WASH.D\199WASH.D#
Date Acquired: Apr 3 2012 02:43 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.004 ppb	0.00	1.30	
51 V	72	1	-0.024 ppb	82.85	6.50	
52 Cr	72	1	0.007 ppb	37.08	2.60	
55 Mn	72	1	0.069 ppb	13.47	1.30	
59 Co	72	1	-0.002 ppb	53.84	1.30	
60 Ni	72	1	-0.001 ppb	485.63	2.60	
63 Cu	72	1	0.084 ppb	7.05	2.60	
66 Zn	72	1	0.048 ppb	45.59	13.00	
75 As	72	1	0.012 ppb	35.78	6.50	
78 Se	72	1	0.819 ppb	5.14	6.50	
95 Mo	72	1	0.351 ppb	16.63	2.60	
107 Ag	115	1	0.000 ppb	54.05	6.50	
111 Cd	115	1	-0.035 ppb	7.67	1.30	
118 Sn	115	1	-0.002 ppb	288.45	13.00	
121 Sb	115	1	0.003 ppb	59.53	2.60	
137 Ba	115	1	-0.021 ppb	20.53	1.30	
205 Tl	165	1	0.000 ppb	187.80	1.30	
208 Pb	165	1	-0.009 ppb	16.13	1.30	
232 Th	165	1	0.001 ppb	72.46	2.60	
238 U	165	1	0.000 ppb	99.29	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	328479	1.26	519530	63.2	30 - 120	
45 Sc	1	2105822	1.63	2751291	76.5	30 - 120	
72 Ge	1	1305049	0.14	1702933	76.6	30 - 120	
115 In	1	4307013	0.96	5506681	78.2	30 - 120	
165 Ho	1	7993520	0.37	10658309	75.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\200WASH.D\200WASH.D#
Date Acquired: Apr 3 2012 02:46 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.003 ppb	421.21	1.30	
51 V	72	1	-0.010 ppb	73.30	6.50	
52 Cr	72	1	-0.001 ppb	645.47	2.60	
55 Mn	72	1	0.047 ppb	9.64	1.30	
59 Co	72	1	-0.001 ppb	92.42	1.30	
60 Ni	72	1	-0.002 ppb	132.59	2.60	
63 Cu	72	1	0.106 ppb	15.71	2.60	
66 Zn	72	1	0.044 ppb	38.12	13.00	
75 As	72	1	0.005 ppb	140.77	6.50	
78 Se	72	1	0.661 ppb	41.88	6.50	
95 Mo	72	1	0.082 ppb	5.46	2.60	
107 Ag	115	1	0.001 ppb	125.09	6.50	
111 Cd	115	1	-0.039 ppb	8.46	1.30	
118 Sn	115	1	0.003 ppb	137.83	13.00	
121 Sb	115	1	0.001 ppb	87.07	2.60	
137 Ba	115	1	-0.025 ppb	13.40	1.30	
205 Tl	165	1	0.000 ppb	78.19	1.30	
208 Pb	165	1	-0.009 ppb	13.76	1.30	
232 Th	165	1	0.000 ppb	3582.20	2.60	
238 U	165	1	-0.001 ppb	75.96	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	306933	0.78	519530	59.1	30 - 120	
45 Sc	1	2034507	1.18	2751291	73.9	30 - 120	
72 Ge	1	1253759	0.84	1702933	73.6	30 - 120	
115 In	1	4166681	0.76	5506681	75.7	30 - 120	
165 Ho	1	7756040	0.87	10658309	72.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\201WASH.D\201WASH.D#
Date Acquired: Apr 3 2012 02:49 am
Operator: TEL
Sample Name: RINSE
Misc Info:
Vial Number: 3
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.004 ppb	0.00	1.30	
51 V	72	1	-0.008 ppb	141.97	6.50	
52 Cr	72	1	0.015 ppb	42.27	2.60	
55 Mn	72	1	0.037 ppb	0.95	1.30	
59 Co	72	1	-0.001 ppb	215.11	1.30	
60 Ni	72	1	-0.001 ppb	307.40	2.60	
63 Cu	72	1	0.080 ppb	18.32	2.60	
66 Zn	72	1	0.053 ppb	25.14	13.00	
75 As	72	1	0.007 ppb	74.01	6.50	
78 Se	72	1	0.839 ppb	53.11	6.50	
95 Mo	72	1	0.031 ppb	28.33	2.60	
107 Ag	115	1	0.001 ppb	84.79	6.50	
111 Cd	115	1	-0.034 ppb	17.81	1.30	
118 Sn	115	1	-0.003 ppb	333.82	13.00	
121 Sb	115	1	0.000 ppb	6908.10	2.60	
137 Ba	115	1	-0.021 ppb	17.51	1.30	
205 Tl	165	1	0.000 ppb	109.29	1.30	
208 Pb	165	1	-0.009 ppb	7.21	1.30	
232 Th	165	1	-0.001 ppb	52.57	2.60	
238 U	165	1	-0.001 ppb	49.23	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	309098	0.82	519530	59.5	30 - 120	
45 Sc	1	2057130	1.31	2751291	74.8	30 - 120	
72 Ge	1	1268185	0.70	1702933	74.5	30 - 120	
115 In	1	4200778	1.11	5506681	76.3	30 - 120	
165 Ho	1	7780336	0.31	10658309	73.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\170CALB.D\170CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\202CAL
Date Acquired: Apr 3 2012 02:52 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 01:23 am
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	141	39.67
52	Cr	72	1	2047	6.15
55	Mn	72	1	1590	8.03
59	Co	72	1	127	19.87
60	Ni	72	1	140	18.90
63	Cu	72	1	2747	3.38
66	Zn	72	1	549	2.01
75	As	72	1	119	15.12
78	Se	72	1	690	17.64
95	Mo	72	1	390	19.36
107	Ag	115	1	70	37.80
111	Cd	115	1	427	6.64
118	Sn	115	1	523	7.72
121	Sb	115	1	81	24.08
137	Ba	115	1	117	2.86
205	Tl	165	1	294	8.19
208	Pb	165	1	1071	6.55
232	Th	165	1	290	24.87
238	U	165	1	229	6.73

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	313393	0.62
45	Sc	1	2073447	0.25
72	Ge	1	1257856	0.09
115	In	1	4209181	0.51
165	Ho	1	7804859	0.27

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\203CAL
Date Acquired: Apr 3 2012 02:55 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342540
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:53 am
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD
9	Be	6	1	3	173.21
51	V	72	1	-148	182.16
52	Cr	72	1	2037	5.39
55	Mn	72	1	1413	2.49
59	Co	72	1	150	11.55
60	Ni	72	1	120	33.33
63	Cu	72	1	2714	5.83
66	Zn	72	1	363	5.29
75	As	72	1	100	30.00
78	Se	72	1	567	19.52
95	Mo	72	1	353	9.94
107	Ag	115	1	57	36.74
111	Cd	115	1	357	8.25
118	Sn	115	1	430	15.25
121	Sb	115	1	63	13.93
137	Ba	115	1	97	10.35
205	Tl	165	1	214	15.10
208	Pb	165	1	982	7.53
232	Th	165	1	160	6.25
238	U	165	1	139	20.97

Internal Standard Elements

Element		Tune	CPS Mean	RSD
6	Li	1	321726	0.35
45	Sc	1	2080908	0.90
72	Ge	1	1293904	1.11
115	In	1	4281452	1.12
165	Ho	1	7865767	0.44

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\204ICAL.D\204ICAL.D#
Date Acquired: Apr 3 2012 02:58 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: IC-1342531
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:56 am
Sample Type: ICAL

QC Elements

Element	IS Ref	Tune	CPS Mean	RSD
9 Be	6	1	49678	1.88
51 V	72	1	1750598	0.51
52 Cr	72	1	1962213	1.63
55 Mn	72	1	1910963	0.21
59 Co	72	1	2809683	0.70
60 Ni	72	1	675655	0.74
63 Cu	72	1	1653871	0.14
66 Zn	72	1	266631	0.41
75 As	72	1	207903	0.62
78 Se	72	1	35243	0.78
95 Mo	72	1	856879	1.02
107 Ag	115	1	2621972	0.75
111 Cd	115	1	433589	0.65
118 Sn	115	1	1249362	0.31
121 Sb	115	1	1232185	0.95
137 Ba	115	1	592681	0.40
205 Tl	165	1	4674992	0.75
208 Pb	165	1	6459003	0.67
232 Th	165	1	6164284	1.57
238 U	165	1	6531982	1.62

Internal Standard Elements

Element	Tune	CPS Mean	RSD	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	322401	1.30	321726	100.2	30 - 120	
45 Sc	1	2102518	1.01	2080908	101.0	30 - 120	
72 Ge	1	1267635	0.86	1293904	98.0	30 - 120	
115 In	1	4244142	0.46	4281452	99.1	30 - 120	
165 Ho	1	7888835	0.96	7865767	100.3	30 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\205_CCV.D\205_CCV.D#
Date Acquired: Apr 3 2012 03:01 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	48.68	ppb	1.01	50	97.4	90 - 110	
51 V	72	1	50.15	ppb	1.76	50	100.3	90 - 110	
52 Cr	72	1	50.40	ppb	2.00	50	100.8	90 - 110	
55 Mn	72	1	50.60	ppb	0.73	50	101.2	90 - 110	
59 Co	72	1	51.50	ppb	0.51	50	103.0	90 - 110	
60 Ni	72	1	49.23	ppb	0.32	50	98.5	90 - 110	
63 Cu	72	1	49.91	ppb	1.59	50	99.8	90 - 110	
66 Zn	72	1	49.77	ppb	0.97	50	99.5	90 - 110	
75 As	72	1	49.81	ppb	0.53	50	99.6	90 - 110	
78 Se	72	1	49.51	ppb	4.16	50	99.0	90 - 110	
95 Mo	72	1	48.60	ppb	0.76	50	97.2	90 - 110	
107 Ag	115	1	51.11	ppb	0.05	50	102.2	90 - 110	
111 Cd	115	1	50.49	ppb	0.85	50	101.0	90 - 110	
118 Sn	115	1	48.76	ppb	0.75	50	97.5	90 - 110	
121 Sb	115	1	48.97	ppb	0.73	50	97.9	90 - 110	
137 Ba	115	1	50.46	ppb	1.01	50	100.9	90 - 110	
205 Tl	165	1	51.97	ppb	0.44	50	103.9	90 - 110	
208 Pb	165	1	50.04	ppb	0.38	50	100.1	90 - 110	
232 Th	165	1	50.45	ppb	1.77	50	100.9	90 - 110	
238 U	165	1	50.83	ppb	0.67	50	101.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	328187	0.66	321726	102.0	30 - 120	
45 Sc	1	2090896	0.62	2080908	100.5	30 - 120	
72 Ge	1	1289912	1.13	1293904	99.7	30 - 120	
115 In	1	4262328	0.67	4281452	99.6	30 - 120	
165 Ho	1	7952644	0.25	7865767	101.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\206_CCB.D\206_CCB.D#
Date Acquired: Apr 3 2012 03:04 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.000	ppb	4659.00	1.00	
51 V	72	1	0.014	ppb	49.12	1.00	
52 Cr	72	1	0.003	ppb	185.76	1.00	
55 Mn	72	1	0.063	ppb	3.17	1.00	
59 Co	72	1	0.008	ppb	26.11	1.00	
60 Ni	72	1	0.004	ppb	118.10	1.00	
63 Cu	72	1	0.098	ppb	32.84	1.00	
66 Zn	72	1	0.101	ppb	10.48	1.00	
75 As	72	1	0.013	ppb	32.84	1.00	
78 Se	72	1	0.556	ppb	66.40	1.00	
95 Mo	72	1	0.005	ppb	91.31	1.00	
107 Ag	115	1	0.016	ppb	10.32	1.00	
111 Cd	115	1	0.012	ppb	138.61	1.00	
118 Sn	115	1	0.045	ppb	23.92	1.00	
121 Sb	115	1	0.057	ppb	6.00	1.00	
137 Ba	115	1	0.014	ppb	4.16	1.00	
205 Tl	165	1	0.029	ppb	6.83	1.00	
208 Pb	165	1	0.012	ppb	21.20	1.00	
232 Th	165	1	0.054	ppb	12.29	1.00	
238 U	165	1	0.011	ppb	11.42	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	332527	0.69	321726	103.4	30 - 120	
45 Sc	1	2113812	0.48	2080908	101.6	30 - 120	
72 Ge	1	1271362	1.31	1293904	98.3	30 - 120	
115 In	1	4262753	0.92	4281452	99.6	30 - 120	
165 Ho	1	7897953	1.13	7865767	100.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :Max. Number of Failures Allowed
0 :ISTD Failures
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\207_BLK.D\207_BLK.D#
Date Acquired: Apr 3 2012 03:07 am
Operator: TEL
Sample Name: mb 280-113759/1-a
Misc Info: BLANK 113759 6020
Vial Number: 3512
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	2288.90	2.00	
51 V	72	1	0.008 ppb	112.78	2.00	
52 Cr	72	1	-0.002 ppb	270.66	2.00	
55 Mn	72	1	0.061 ppb	19.26	2.00	
59 Co	72	1	0.004 ppb	64.05	2.00	
60 Ni	72	1	0.025 ppb	18.58	2.00	
63 Cu	72	1	0.144 ppb	6.09	2.00	
66 Zn	72	1	1.962 ppb	0.84	2.00	
75 As	72	1	0.011 ppb	138.45	2.00	
78 Se	72	1	0.309 ppb	96.67	2.00	
95 Mo	72	1	-0.010 ppb	59.24	2.00	
107 Ag	115	1	0.003 ppb	33.04	2.00	
111 Cd	115	1	0.005 ppb	194.58	2.00	
118 Sn	115	1	0.038 ppb	7.54	2.00	
121 Sb	115	1	0.022 ppb	3.87	2.00	
137 Ba	115	1	0.015 ppb	25.06	2.00	
205 Tl	165	1	0.013 ppb	33.68	2.00	
208 Pb	165	1	0.007 ppb	24.20	2.00	
232 Th	165	1	0.013 ppb	23.90	2.00	
238 U	165	1	0.007 ppb	51.69	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	342433	0.68	321726	106.4	30 - 120	
45 Sc	1	2148309	2.15	2080908	103.2	30 - 120	
72 Ge	1	1313172	0.54	1293904	101.5	30 - 120	
115 In	1	4343900	0.57	4281452	101.5	30 - 120	
165 Ho	1	8040160	0.51	7865767	102.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\208_LCS.D\208_LCS.D#
Date Acquired: Apr 3 2012 03:10 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113759/2-a
Misc Info: LCS
Vial Number: 4101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	41.63	3.01	40	104.1	80 - 120	
51 V	72	1	41.86	1.07	40	104.7	80 - 120	
52 Cr	72	1	41.50	1.09	40	103.8	80 - 120	
55 Mn	72	1	41.04	0.88	40	102.6	80 - 120	
59 Co	72	1	41.75	1.43	40	104.4	80 - 120	
60 Ni	72	1	40.68	0.36	40	101.7	80 - 120	
63 Cu	72	1	40.63	0.70	40	101.6	80 - 120	
66 Zn	72	1	43.79	1.07	40	109.5	80 - 120	
75 As	72	1	41.92	0.79	40	104.8	80 - 120	
78 Se	72	1	42.17	2.49	40	105.4	80 - 120	
95 Mo	72	1	39.85	1.28	40	99.6	80 - 120	
107 Ag	115	1	41.99	2.44	40	105.0	80 - 120	
111 Cd	115	1	42.04	0.62	40	105.1	80 - 120	
118 Sn	115	1	40.56	0.52	40	101.4	80 - 120	
121 Sb	115	1	40.91	0.29	40	102.3	80 - 120	
137 Ba	115	1	41.10	1.00	40	102.8	80 - 120	
205 Tl	165	1	42.31	0.64	40	105.8	80 - 120	
208 Pb	165	1	41.34	0.79	40	103.4	80 - 120	
232 Th	165	1	41.71	0.78	40	104.3	80 - 120	
238 U	165	1	41.73	0.58	40	104.3	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	342107	0.20	321726	106.3	30 - 120	
45 Sc	1	2174112	0.75	2080908	104.5	30 - 120	
72 Ge	1	1328387	0.58	1293904	102.7	30 - 120	
115 In	1	4362127	0.88	4281452	101.9	30 - 120	
165 Ho	1	8081013	0.65	7865767	102.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\209SMPL.D\209SMPL.D#
Date Acquired: Apr 3 2012 03:12 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27149-f-1-d
Misc Info:
Vial Number: 4102
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	116.36	3600	
51 V	72	1	4.52	4.52	ppb	3.25	3600	
52 Cr	72	1	1.58	1.58	ppb	0.77	3600	
55 Mn	72	1	20.16	20.16	ppb	1.72	18000	
59 Co	72	1	0.14	0.14	ppb	1.68	3600	
60 Ni	72	1	0.79	0.79	ppb	4.93	3600	
63 Cu	72	1	1.40	1.40	ppb	2.46	3600	
66 Zn	72	1	2.82	2.82	ppb	2.85	3600	
75 As	72	1	1.94	1.94	ppb	4.83	3600	
78 Se	72	1	1.12	1.12	ppb	14.80	3600	
95 Mo	72	1	3.57	3.57	ppb	2.29	3600	
107 Ag	115	1	0.01	0.01	ppb	21.43	3600	
111 Cd	115	1	0.00	0.00	ppb	74.30	3600	
118 Sn	115	1	0.06	0.06	ppb	11.34	3600	
121 Sb	115	1	0.39	0.39	ppb	1.69	3600	
137 Ba	115	1	11.97	11.97	ppb	1.26	3600	
205 Tl	165	1	0.03	0.03	ppb	25.81	3600	
208 Pb	165	1	0.53	0.53	ppb	2.02	3600	
232 Th	165	1	0.21	0.21	ppb	1.21	1000	
238 U	165	1	3.88	3.88	ppb	0.63	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	336531	0.73	321726	104.6	30 - 120	
45 Sc	1	2100745	1.15	2080908	101.0	30 - 120	
72 Ge	1	1262412	1.70	1293904	97.6	30 - 120	
115 In	1	4126859	0.16	4281452	96.4	30 - 120	
165 Ho	1	7804331	0.05	7865767	99.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\210AREF.D\210AREF.D#
Date Acquired: Apr 3 2012 03:15 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-2-b
Misc Info:
Vial Number: 4103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	155.68	3600	
51 V	72	1	0.04	0.04	ppb	35.76	3600	
52 Cr	72	1	0.10	0.10	ppb	16.95	3600	
55 Mn	72	1	0.08	0.08	ppb	21.31	18000	
59 Co	72	1	0.00	0.00	ppb	24.53	3600	
60 Ni	72	1	0.02	0.02	ppb	38.94	3600	
63 Cu	72	1	0.15	0.15	ppb	6.38	3600	
66 Zn	72	1	2.12	2.12	ppb	3.79	3600	
75 As	72	1	0.02	0.02	ppb	45.89	3600	
78 Se	72	1	0.51	0.51	ppb	52.82	3600	
95 Mo	72	1	0.00	0.00	ppb	296.54	3600	
107 Ag	115	1	0.00	0.00	ppb	53.26	3600	
111 Cd	115	1	0.01	0.01	ppb	121.01	3600	
118 Sn	115	1	0.05	0.05	ppb	3.55	3600	
121 Sb	115	1	0.03	0.03	ppb	13.58	3600	
137 Ba	115	1	0.37	0.37	ppb	6.50	3600	
205 Tl	165	1	0.00	0.00	ppb	31.59	3600	
208 Pb	165	1	0.02	0.02	ppb	15.32	3600	
232 Th	165	1	0.01	0.01	ppb	10.97	1000	
238 U	165	1	0.01	0.01	ppb	20.28	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	344338	0.31	321726	107.0	30 - 120	
45 Sc	1	2146207	0.40	2080908	103.1	30 - 120	
72 Ge	1	1315494	1.17	1293904	101.7	30 - 120	
115 In	1	4341731	0.38	4281452	101.4	30 - 120	
165 Ho	1	8007693	0.69	7865767	101.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\211SDIL.D\211SDIL.D#
Date Acquired: Apr 3 2012 03:18 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-2-b SD@5
Misc Info: SERIAL DILUTION
Vial Number: 4104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\210AREF.D\210AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.01	ppb	183.18	0.00	249.3	90 - 110	
51 V	72	1	0.01	ppb	169.62	0.01	114.6	90 - 110	
52 Cr	72	1	0.05	ppb	17.57	0.02	226.3	90 - 110	
55 Mn	72	1	0.03	ppb	37.67	0.02	220.0	90 - 110	
59 Co	72	1	0.01	ppb	42.52	0.00	661.6	90 - 110	
60 Ni	72	1	0.03	ppb	28.00	0.00	920.7	90 - 110	
63 Cu	72	1	0.22	ppb	4.23	0.03	730.1	90 - 110	
66 Zn	72	1	0.56	ppb	1.74	0.42	132.0	90 - 110	
75 As	72	1	0.00	ppb	239.80	0.00	95.2	90 - 110	
78 Se	72	1	0.28	ppb	50.98	0.10	273.5	90 - 110	
95 Mo	72	1	-0.01	ppb	60.22	0.00	-5584.2	90 - 110	
107 Ag	115	1	0.00	ppb	149.30	0.00	106.9	90 - 110	
111 Cd	115	1	0.01	ppb	42.63	0.00	779.3	90 - 110	
118 Sn	115	1	0.03	ppb	13.13	0.01	275.8	90 - 110	
121 Sb	115	1	0.01	ppb	7.02	0.01	138.5	90 - 110	
137 Ba	115	1	0.07	ppb	8.62	0.07	100.7	90 - 110	
205 Tl	165	1	0.00	ppb	538.37	0.00	22.3	90 - 110	
208 Pb	165	1	0.01	ppb	6.59	0.00	321.2	90 - 110	
232 Th	165	1	0.01	ppb	5.34	0.00	260.5	90 - 110	
238 U	165	1	0.00	ppb	56.46	0.00	88.8	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	337506	0.28	321726	104.9	30 - 120	
45 Sc	1	2119019	0.86	2080908	101.8	30 - 120	
72 Ge	1	1301688	1.80	1293904	100.6	30 - 120	
115 In	1	4271320	0.48	4281452	99.8	30 - 120	
165 Ho	1	7893278	0.42	7865767	100.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\212PDS.D\212PDS.D#
Date Acquired: Apr 3 2012 03:21 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-2-b PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 4105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	192.00	0.01	ppb	1.64	200	96.0	75 - 125	
51 V	72	1	183.80	0.04	ppb	1.78	200	91.9	75 - 125	
52 Cr	72	1	185.50	0.10	ppb	1.72	200	92.7	75 - 125	
55 Mn	72	1	187.60	0.08	ppb	1.02	200	93.8	75 - 125	
59 Co	72	1	187.90	0.00	ppb	1.37	200	93.9	75 - 125	
60 Ni	72	1	192.80	0.02	ppb	1.55	200	96.4	75 - 125	
63 Cu	72	1	187.20	0.15	ppb	1.20	200	93.5	75 - 125	
66 Zn	72	1	198.00	2.12	ppb	1.06	200	98.0	75 - 125	
75 As	72	1	195.40	0.02	ppb	1.28	200	97.7	75 - 125	
78 Se	72	1	191.20	0.51	ppb	0.63	200	95.4	75 - 125	
95 Mo	72	1	184.80	0.00	ppb	2.00	200	92.4	75 - 125	
107 Ag	115	1	48.84	0.00	ppb	1.78	50	97.7	75 - 125	
111 Cd	115	1	197.60	0.01	ppb	0.86	200	98.8	75 - 125	
118 Sn	115	1	184.90	0.05	ppb	1.38	200	92.4	75 - 125	
121 Sb	115	1	188.60	0.03	ppb	0.65	200	94.3	75 - 125	
137 Ba	115	1	195.20	0.37	ppb	0.53	200	97.4	75 - 125	
205 Tl	165	1	191.40	0.00	ppb	1.71	200	95.7	75 - 125	
208 Pb	165	1	187.90	0.02	ppb	1.62	200	93.9	75 - 125	
232 Th	165	1	0.01	0.01	ppb	28.02	200	0.0	75 - 125	
238 U	165	1	186.10	0.01	ppb	0.51	200	93.0	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	338867	1.18	321726	105.3	30 - 120	
45 Sc	1	2130345	0.59	2080908	102.4	30 - 120	
72 Ge	1	1299019	0.95	1293904	100.4	30 - 120	
115 In	1	4311409	0.56	4281452	100.7	30 - 120	
165 Ho	1	7973150	1.17	7865767	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\213_MS.D\213_MS.D#
Date Acquired: Apr 3 2012 03:24 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-2-c ms
Misc Info: MATRIX SPIKE
Vial Number: 4106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	40.93	0.01	ppb	1.88	40	102.3	50 - 150	
51 V	72	1	40.99	0.04	ppb	1.56	40	102.4	50 - 150	
52 Cr	72	1	40.88	0.10	ppb	1.65	40	101.9	50 - 150	
55 Mn	72	1	41.57	0.08	ppb	1.11	40	103.7	50 - 150	
59 Co	72	1	41.55	0.00	ppb	0.82	40	103.9	50 - 150	
60 Ni	72	1	40.06	0.02	ppb	1.44	40	100.1	50 - 150	
63 Cu	72	1	40.92	0.15	ppb	0.17	40	101.9	50 - 150	
66 Zn	72	1	43.93	2.12	ppb	0.93	40	104.3	50 - 150	
75 As	72	1	41.37	0.02	ppb	0.31	40	103.4	50 - 150	
78 Se	72	1	41.23	0.51	ppb	2.18	40	101.8	50 - 150	
95 Mo	72	1	39.63	0.00	ppb	0.13	40	99.1	50 - 150	
107 Ag	115	1	42.06	0.00	ppb	1.38	40	105.1	50 - 150	
111 Cd	115	1	41.86	0.01	ppb	1.34	40	104.6	50 - 150	
118 Sn	115	1	40.44	0.05	ppb	1.94	40	101.0	50 - 150	
121 Sb	115	1	40.95	0.03	ppb	1.71	40	102.3	50 - 150	
137 Ba	115	1	41.74	0.37	ppb	1.60	40	103.4	50 - 150	
205 Tl	165	1	42.46	0.00	ppb	0.53	40	106.1	50 - 150	
208 Pb	165	1	41.56	0.02	ppb	0.66	40	103.9	50 - 150	
232 Th	165	1	41.90	0.01	ppb	1.15	40	104.7	50 - 150	
238 U	165	1	41.95	0.01	ppb	1.25	40	104.9	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	338190	0.67	321726	105.1	30 - 120	
45 Sc	1	2091863	0.46	2080908	100.5	30 - 120	
72 Ge	1	1292617	0.33	1293904	99.9	30 - 120	
115 In	1	4249774	1.02	4281452	99.3	30 - 120	
165 Ho	1	7915926	0.83	7865767	100.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\214_MSD.D\214_MSD.D#
Date Acquired: Apr 3 2012 03:27 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-2-d msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 4107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\213_MS.D\213_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	41.73	ppb	2.04	40.93	1.94	20	
51 V	72	1	40.99	ppb	0.89	40.99	0.00	20	
52 Cr	72	1	42.04	ppb	1.42	40.88	2.80	20	
55 Mn	72	1	41.97	ppb	2.49	41.57	0.96	20	
59 Co	72	1	41.55	ppb	0.96	41.55	0.00	20	
60 Ni	72	1	40.61	ppb	1.51	40.06	1.36	20	
63 Cu	72	1	40.89	ppb	0.53	40.92	0.07	20	
66 Zn	72	1	43.57	ppb	0.28	43.93	0.82	20	
75 As	72	1	41.68	ppb	1.10	41.37	0.75	20	
78 Se	72	1	42.10	ppb	4.06	41.23	2.09	20	
95 Mo	72	1	39.82	ppb	0.12	39.63	0.48	20	
107 Ag	115	1	42.37	ppb	1.10	42.06	0.73	20	
111 Cd	115	1	41.96	ppb	1.27	41.86	0.24	20	
118 Sn	115	1	40.10	ppb	1.71	40.44	0.84	20	
121 Sb	115	1	40.69	ppb	1.25	40.95	0.64	20	
137 Ba	115	1	41.71	ppb	0.85	41.74	0.07	20	
205 Tl	165	1	43.21	ppb	1.16	42.46	1.75	20	
208 Pb	165	1	41.80	ppb	1.00	41.56	0.58	20	
232 Th	165	1	42.39	ppb	0.74	41.90	1.16	20	
238 U	165	1	42.10	ppb	0.40	41.95	0.36	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	335035	0.38	321726	104.1	30 - 120	
45 Sc	1	2093544	1.86	2080908	100.6	30 - 120	
72 Ge	1	1281566	1.00	1293904	99.0	30 - 120	
115 In	1	4241639	1.05	4281452	99.1	30 - 120	
165 Ho	1	7855728	0.67	7865767	99.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\215_CCV.D\215_CCV.D#
Date Acquired: Apr 3 2012 03:30 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	47.98	ppb	2.08	50	96.0	90 - 110	
51 V	72	1	50.52	ppb	2.14	50	101.0	90 - 110	
52 Cr	72	1	50.52	ppb	1.50	50	101.0	90 - 110	
55 Mn	72	1	50.87	ppb	3.27	50	101.7	90 - 110	
59 Co	72	1	50.88	ppb	2.47	50	101.8	90 - 110	
60 Ni	72	1	49.20	ppb	2.40	50	98.4	90 - 110	
63 Cu	72	1	49.03	ppb	2.37	50	98.1	90 - 110	
66 Zn	72	1	50.03	ppb	1.41	50	100.1	90 - 110	
75 As	72	1	49.62	ppb	1.12	50	99.2	90 - 110	
78 Se	72	1	50.61	ppb	3.78	50	101.2	90 - 110	
95 Mo	72	1	48.21	ppb	2.00	50	96.4	90 - 110	
107 Ag	115	1	51.40	ppb	0.66	50	102.8	90 - 110	
111 Cd	115	1	50.69	ppb	0.64	50	101.4	90 - 110	
118 Sn	115	1	49.19	ppb	0.73	50	98.4	90 - 110	
121 Sb	115	1	49.20	ppb	0.16	50	98.4	90 - 110	
137 Ba	115	1	50.39	ppb	0.06	50	100.8	90 - 110	
205 Tl	165	1	51.64	ppb	0.50	50	103.3	90 - 110	
208 Pb	165	1	50.43	ppb	1.43	50	100.9	90 - 110	
232 Th	165	1	51.36	ppb	1.70	50	102.7	90 - 110	
238 U	165	1	51.07	ppb	1.25	50	102.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	330523	0.34	321726	102.7	30 - 120	
45 Sc	1	2057730	0.89	2080908	98.9	30 - 120	
72 Ge	1	1262327	2.48	1293904	97.6	30 - 120	
115 In	1	4177699	0.13	4281452	97.6	30 - 120	
165 Ho	1	7793502	0.99	7865767	99.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\216_CCB.D\216_CCB.D#
Date Acquired: Apr 3 2012 03:33 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.020	ppb	116.50	1.00	
51 V	72	1	0.023	ppb	48.05	1.00	
52 Cr	72	1	0.010	ppb	28.79	1.00	
55 Mn	72	1	0.068	ppb	7.88	1.00	
59 Co	72	1	0.013	ppb	15.82	1.00	
60 Ni	72	1	0.012	ppb	35.83	1.00	
63 Cu	72	1	0.051	ppb	21.37	1.00	
66 Zn	72	1	0.118	ppb	4.18	1.00	
75 As	72	1	0.012	ppb	54.31	1.00	
78 Se	72	1	0.095	ppb	216.20	1.00	
95 Mo	72	1	0.004	ppb	140.98	1.00	
107 Ag	115	1	0.017	ppb	16.15	1.00	
111 Cd	115	1	0.031	ppb	69.35	1.00	
118 Sn	115	1	0.051	ppb	15.45	1.00	
121 Sb	115	1	0.065	ppb	6.20	1.00	
137 Ba	115	1	0.018	ppb	27.53	1.00	
205 Tl	165	1	0.032	ppb	17.21	1.00	
208 Pb	165	1	0.017	ppb	10.83	1.00	
232 Th	165	1	0.060	ppb	12.31	1.00	
238 U	165	1	0.015	ppb	7.30	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	328465	0.83	321726	102.1	30 - 120	
45 Sc	1	2057208	1.15	2080908	98.9	30 - 120	
72 Ge	1	1249100	0.63	1293904	96.5	30 - 120	
115 In	1	4147644	0.08	4281452	96.9	30 - 120	
165 Ho	1	7713869	0.49	7865767	98.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\217SMPL.D\217SMPL.D#
Date Acquired: Apr 3 2012 03:36 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-3-b
Misc Info:
Vial Number: 4108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	217.65	3600	
51 V	72	1	0.13	0.13	ppb	20.04	3600	
52 Cr	72	1	0.43	0.43	ppb	5.21	3600	
55 Mn	72	1	549.00	549.00	ppb	2.05	18000	
59 Co	72	1	0.26	0.26	ppb	2.61	3600	
60 Ni	72	1	1.00	1.00	ppb	2.12	3600	
63 Cu	72	1	1.20	1.20	ppb	2.78	3600	
66 Zn	72	1	9.96	9.96	ppb	2.26	3600	
75 As	72	1	1.14	1.14	ppb	2.84	3600	
78 Se	72	1	0.18	0.18	ppb	68.28	3600	
95 Mo	72	1	0.19	0.19	ppb	4.77	3600	
107 Ag	115	1	0.02	0.02	ppb	3.17	3600	
111 Cd	115	1	0.03	0.03	ppb	64.99	3600	
118 Sn	115	1	0.12	0.12	ppb	8.90	3600	
121 Sb	115	1	0.05	0.05	ppb	8.10	3600	
137 Ba	115	1	39.40	39.40	ppb	0.53	3600	
205 Tl	165	1	0.02	0.02	ppb	29.46	3600	
208 Pb	165	1	0.33	0.33	ppb	2.37	3600	
232 Th	165	1	0.03	0.03	ppb	5.67	1000	
238 U	165	1	0.04	0.04	ppb	5.90	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	327379	0.32	321726	101.8	30 - 120	
45 Sc	1	2048925	0.72	2080908	98.5	30 - 120	
72 Ge	1	1220487	1.21	1293904	94.3	30 - 120	
115 In	1	4017335	0.20	4281452	93.8	30 - 120	
165 Ho	1	7574735	0.39	7865767	96.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\218SMPL.D\218SMPL.D#
Date Acquired: Apr 3 2012 03:39 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-4-b
Misc Info:
Vial Number: 4109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	28.75	3600	
51 V	72	1	0.23	0.23	ppb	4.18	3600	
52 Cr	72	1	0.33	0.33	ppb	2.94	3600	
55 Mn	72	1	4,358.00	4358.00	ppb	0.40	18000	
59 Co	72	1	83.33	83.33	ppb	0.41	3600	
60 Ni	72	1	43.32	43.32	ppb	0.72	3600	
63 Cu	72	1	0.51	0.51	ppb	4.50	3600	
66 Zn	72	1	63.02	63.02	ppb	0.47	3600	
75 As	72	1	10.24	10.24	ppb	2.97	3600	
78 Se	72	1	0.16	0.16	ppb	187.21	3600	
95 Mo	72	1	0.23	0.23	ppb	17.13	3600	
107 Ag	115	1	0.00	0.00	ppb	30.68	3600	
111 Cd	115	1	0.13	0.13	ppb	8.97	3600	
118 Sn	115	1	0.15	0.15	ppb	2.37	3600	
121 Sb	115	1	0.04	0.04	ppb	3.27	3600	
137 Ba	115	1	206.20	206.20	ppb	0.58	3600	
205 Tl	165	1	0.07	0.07	ppb	5.84	3600	
208 Pb	165	1	1.80	1.80	ppb	0.37	3600	
232 Th	165	1	0.04	0.04	ppb	6.70	1000	
238 U	165	1	0.03	0.03	ppb	5.66	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	328679	0.26	321726	102.2	30 - 120	
45 Sc	1	1967270	0.40	2080908	94.5	30 - 120	
72 Ge	1	1249057	0.83	1293904	96.5	30 - 120	
115 In	1	3987772	0.33	4281452	93.1	30 - 120	
165 Ho	1	7589148	0.05	7865767	96.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\219SMPL.D\219SMPL.D#
Date Acquired: Apr 3 2012 03:42 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-5-b
Misc Info:
Vial Number: 4110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.29	0.29	ppb	26.79	3600	
51 V	72	1	5.30	5.30	ppb	2.14	3600	
52 Cr	72	1	1.13	1.13	ppb	4.18	3600	
55 Mn	72	1	189.30	189.30	ppb	2.32	18000	
59 Co	72	1	6.19	6.19	ppb	2.07	3600	
60 Ni	72	1	8.95	8.95	ppb	2.54	3600	
63 Cu	72	1	1.37	1.37	ppb	1.39	3600	
66 Zn	72	1	23.26	23.26	ppb	0.97	3600	
75 As	72	1	2.36	2.36	ppb	3.45	3600	
78 Se	72	1	0.42	0.42	ppb	64.89	3600	
95 Mo	72	1	0.12	0.12	ppb	8.99	3600	
107 Ag	115	1	0.13	0.13	ppb	8.23	3600	
111 Cd	115	1	0.04	0.04	ppb	19.32	3600	
118 Sn	115	1	0.13	0.13	ppb	10.08	3600	
121 Sb	115	1	0.08	0.08	ppb	12.40	3600	
137 Ba	115	1	85.69	85.69	ppb	1.34	3600	
205 Tl	165	1	0.04	0.04	ppb	5.76	3600	
208 Pb	165	1	0.50	0.50	ppb	1.63	3600	
232 Th	165	1	0.12	0.12	ppb	4.64	1000	
238 U	165	1	0.42	0.42	ppb	0.31	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	337468	0.62	321726	104.9	30 - 120	
45 Sc	1	2024736	0.62	2080908	97.3	30 - 120	
72 Ge	1	1238825	1.17	1293904	95.7	30 - 120	
115 In	1	4015393	0.71	4281452	93.8	30 - 120	
165 Ho	1	7562641	0.36	7865767	96.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\220SMPL.D\220SMPL.D#
Date Acquired: Apr 3 2012 03:44 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-6-b
Misc Info:
Vial Number: 4111
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.10	0.10	ppb	28.22	3600	
51 V	72	1	0.02	0.02	ppb	41.23	3600	
52 Cr	72	1	0.09	0.09	ppb	17.22	3600	
55 Mn	72	1	124.90	124.90	ppb	0.30	18000	
59 Co	72	1	1.38	1.38	ppb	0.99	3600	
60 Ni	72	1	3.43	3.43	ppb	1.36	3600	
63 Cu	72	1	0.39	0.39	ppb	4.21	3600	
66 Zn	72	1	6.26	6.26	ppb	1.90	3600	
75 As	72	1	0.04	0.04	ppb	17.92	3600	
78 Se	72	1	0.14	0.14	ppb	37.59	3600	
95 Mo	72	1	0.00	0.00	ppb	383.74	3600	
107 Ag	115	1	0.00	0.00	ppb	14.81	3600	
111 Cd	115	1	0.01	0.01	ppb	75.41	3600	
118 Sn	115	1	0.05	0.05	ppb	20.54	3600	
121 Sb	115	1	0.02	0.02	ppb	14.23	3600	
137 Ba	115	1	28.09	28.09	ppb	1.36	3600	
205 Tl	165	1	0.00	0.00	ppb	2.87	3600	
208 Pb	165	1	0.33	0.33	ppb	1.80	3600	
232 Th	165	1	0.02	0.02	ppb	4.67	1000	
238 U	165	1	0.01	0.01	ppb	8.40	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	332168	0.53	321726	103.2	30 - 120	
45 Sc	1	2002690	1.07	2080908	96.2	30 - 120	
72 Ge	1	1224969	0.39	1293904	94.7	30 - 120	
115 In	1	4008289	1.47	4281452	93.6	30 - 120	
165 Ho	1	7520481	0.28	7865767	95.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\221SMPL.D\221SMPL.D#
Date Acquired: Apr 3 2012 03:47 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-7-b
Misc Info:
Vial Number: 4112
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.30	0.30	ppb	48.28	3600	
51 V	72	1	0.09	0.09	ppb	22.48	3600	
52 Cr	72	1	0.06	0.06	ppb	11.58	3600	
55 Mn	72	1	35.03	35.03	ppb	0.75	18000	
59 Co	72	1	5.79	5.79	ppb	1.47	3600	
60 Ni	72	1	11.58	11.58	ppb	0.70	3600	
63 Cu	72	1	0.28	0.28	ppb	1.13	3600	
66 Zn	72	1	28.03	28.03	ppb	1.38	3600	
75 As	72	1	0.08	0.08	ppb	9.56	3600	
78 Se	72	1	0.20	0.20	ppb	103.52	3600	
95 Mo	72	1	0.00	0.00	ppb	6487.30	3600	
107 Ag	115	1	0.24	0.24	ppb	1.85	3600	
111 Cd	115	1	0.39	0.39	ppb	6.47	3600	
118 Sn	115	1	0.06	0.06	ppb	15.79	3600	
121 Sb	115	1	0.02	0.02	ppb	21.60	3600	
137 Ba	115	1	85.55	85.55	ppb	0.80	3600	
205 Tl	165	1	0.14	0.14	ppb	2.34	3600	
208 Pb	165	1	1.10	1.10	ppb	0.55	3600	
232 Th	165	1	0.01	0.01	ppb	12.07	1000	
238 U	165	1	0.05	0.05	ppb	2.21	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	324521	0.47	321726	100.9	30 - 120	
45 Sc	1	1970795	0.95	2080908	94.7	30 - 120	
72 Ge	1	1202455	0.69	1293904	92.9	30 - 120	
115 In	1	3957873	0.37	4281452	92.4	30 - 120	
165 Ho	1	7447691	0.47	7865767	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\222SMPL.D\222SMPL.D#
Date Acquired: Apr 3 2012 03:50 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-8-b
Misc Info:
Vial Number: 4201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	115.01	3600	
51 V	72	1	0.22	0.22	ppb	12.51	3600	
52 Cr	72	1	0.17	0.17	ppb	3.56	3600	
55 Mn	72	1	424.70	424.70	ppb	1.18	18000	
59 Co	72	1	0.17	0.17	ppb	3.61	3600	
60 Ni	72	1	0.82	0.82	ppb	0.31	3600	
63 Cu	72	1	1.17	1.17	ppb	1.10	3600	
66 Zn	72	1	4.56	4.56	ppb	4.45	3600	
75 As	72	1	0.22	0.22	ppb	4.12	3600	
78 Se	72	1	0.38	0.38	ppb	77.34	3600	
95 Mo	72	1	0.28	0.28	ppb	7.74	3600	
107 Ag	115	1	0.01	0.01	ppb	28.52	3600	
111 Cd	115	1	0.04	0.04	ppb	15.98	3600	
118 Sn	115	1	0.09	0.09	ppb	6.58	3600	
121 Sb	115	1	0.03	0.03	ppb	14.94	3600	
137 Ba	115	1	33.41	33.41	ppb	0.20	3600	
205 Tl	165	1	0.00	0.00	ppb	27.68	3600	
208 Pb	165	1	0.11	0.11	ppb	1.55	3600	
232 Th	165	1	0.01	0.01	ppb	18.78	1000	
238 U	165	1	0.08	0.08	ppb	2.92	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	316314	0.65	321726	98.3	30 - 120	
45 Sc	1	1952522	0.44	2080908	93.8	30 - 120	
72 Ge	1	1171073	0.84	1293904	90.5	30 - 120	
115 In	1	3871784	0.11	4281452	90.4	30 - 120	
165 Ho	1	7357676	0.19	7865767	93.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\223SMPL.D\223SMPL.D#
Date Acquired: Apr 3 2012 03:53 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-9-b
Misc Info:
Vial Number: 4202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	103.98	3600	
51 V	72	1	0.08	0.08	ppb	1.40	3600	
52 Cr	72	1	0.03	0.03	ppb	4.92	3600	
55 Mn	72	1	193.70	193.70	ppb	0.71	18000	
59 Co	72	1	0.12	0.12	ppb	5.26	3600	
60 Ni	72	1	0.37	0.37	ppb	5.70	3600	
63 Cu	72	1	0.22	0.22	ppb	4.53	3600	
66 Zn	72	1	3.61	3.61	ppb	0.42	3600	
75 As	72	1	0.20	0.20	ppb	11.01	3600	
78 Se	72	1	0.35	0.35	ppb	42.27	3600	
95 Mo	72	1	0.03	0.03	ppb	35.50	3600	
107 Ag	115	1	0.00	0.00	ppb	101.43	3600	
111 Cd	115	1	0.00	0.00	ppb	365.05	3600	
118 Sn	115	1	0.07	0.07	ppb	6.68	3600	
121 Sb	115	1	0.01	0.01	ppb	21.28	3600	
137 Ba	115	1	87.43	87.43	ppb	0.96	3600	
205 Tl	165	1	0.00	0.00	ppb	9.82	3600	
208 Pb	165	1	0.21	0.21	ppb	3.57	3600	
232 Th	165	1	0.01	0.01	ppb	27.79	1000	
238 U	165	1	0.01	0.01	ppb	4.63	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	316003	0.36	321726	98.2	30 - 120	
45 Sc	1	1948488	1.07	2080908	93.6	30 - 120	
72 Ge	1	1199501	0.82	1293904	92.7	30 - 120	
115 In	1	3894730	0.81	4281452	91.0	30 - 120	
165 Ho	1	7336590	0.61	7865767	93.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\224SMPL.D\224SMPL.D#
Date Acquired: Apr 3 2012 03:56 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27155-a-10-b
Misc Info:
Vial Number: 4203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	155.20	3600	
51 V	72	1	0.05	0.05	ppb	26.37	3600	
52 Cr	72	1	0.09	0.09	ppb	8.14	3600	
55 Mn	72	1	548.40	548.40	ppb	1.04	18000	
59 Co	72	1	0.34	0.34	ppb	3.44	3600	
60 Ni	72	1	1.67	1.67	ppb	5.04	3600	
63 Cu	72	1	0.28	0.28	ppb	2.54	3600	
66 Zn	72	1	7.92	7.92	ppb	0.81	3600	
75 As	72	1	1.46	1.46	ppb	1.67	3600	
78 Se	72	1	0.16	0.16	ppb	103.50	3600	
95 Mo	72	1	0.18	0.18	ppb	8.89	3600	
107 Ag	115	1	0.06	0.06	ppb	7.55	3600	
111 Cd	115	1	0.01	0.01	ppb	73.56	3600	
118 Sn	115	1	0.18	0.18	ppb	4.38	3600	
121 Sb	115	1	0.02	0.02	ppb	6.47	3600	
137 Ba	115	1	41.01	41.01	ppb	2.23	3600	
205 Tl	165	1	0.01	0.01	ppb	1.94	3600	
208 Pb	165	1	0.10	0.10	ppb	1.03	3600	
232 Th	165	1	0.02	0.02	ppb	16.03	1000	
238 U	165	1	0.05	0.05	ppb	3.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	309236	0.85	321726	96.1	30 - 120	
45 Sc	1	1908831	0.47	2080908	91.7	30 - 120	
72 Ge	1	1141293	0.86	1293904	88.2	30 - 120	
115 In	1	3797442	1.55	4281452	88.7	30 - 120	
165 Ho	1	7235363	0.26	7865767	92.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\225_CCV.D\225_CCV.D#
Date Acquired: Apr 3 2012 03:59 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	48.71	ppb	2.89	50	97.4	90 - 110	
51 V	72	1	50.76	ppb	1.23	50	101.5	90 - 110	
52 Cr	72	1	50.97	ppb	0.41	50	101.9	90 - 110	
55 Mn	72	1	51.83	ppb	0.58	50	103.7	90 - 110	
59 Co	72	1	51.14	ppb	1.99	50	102.3	90 - 110	
60 Ni	72	1	49.04	ppb	0.85	50	98.1	90 - 110	
63 Cu	72	1	49.08	ppb	0.68	50	98.2	90 - 110	
66 Zn	72	1	50.49	ppb	0.61	50	101.0	90 - 110	
75 As	72	1	49.79	ppb	0.48	50	99.6	90 - 110	
78 Se	72	1	51.24	ppb	4.39	50	102.5	90 - 110	
95 Mo	72	1	49.46	ppb	0.47	50	98.9	90 - 110	
107 Ag	115	1	50.55	ppb	0.64	50	101.1	90 - 110	
111 Cd	115	1	50.17	ppb	0.74	50	100.3	90 - 110	
118 Sn	115	1	49.20	ppb	1.05	50	98.4	90 - 110	
121 Sb	115	1	48.98	ppb	0.62	50	98.0	90 - 110	
137 Ba	115	1	50.65	ppb	0.69	50	101.3	90 - 110	
205 Tl	165	1	52.43	ppb	1.04	50	104.9	90 - 110	
208 Pb	165	1	51.01	ppb	1.42	50	102.0	90 - 110	
232 Th	165	1	52.34	ppb	1.34	50	104.7	90 - 110	
238 U	165	1	52.11	ppb	1.24	50	104.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	306755	1.26	321726	95.3	30 - 120	
45 Sc	1	1899854	1.16	2080908	91.3	30 - 120	
72 Ge	1	1150865	0.19	1293904	88.9	30 - 120	
115 In	1	3914421	0.62	4281452	91.4	30 - 120	
165 Ho	1	7351001	0.89	7865767	93.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\226_CCB.D\226_CCB.D#
Date Acquired: Apr 3 2012 04:02 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.023	ppb	57.97	1.00	
51 V	72	1	0.021	ppb	17.26	1.00	
52 Cr	72	1	0.010	ppb	55.60	1.00	
55 Mn	72	1	0.161	ppb	10.42	1.00	
59 Co	72	1	0.007	ppb	17.24	1.00	
60 Ni	72	1	0.013	ppb	32.06	1.00	
63 Cu	72	1	0.041	ppb	10.35	1.00	
66 Zn	72	1	0.107	ppb	20.53	1.00	
75 As	72	1	0.008	ppb	144.81	1.00	
78 Se	72	1	0.109	ppb	301.65	1.00	
95 Mo	72	1	0.014	ppb	68.11	1.00	
107 Ag	115	1	0.012	ppb	36.23	1.00	
111 Cd	115	1	0.005	ppb	403.40	1.00	
118 Sn	115	1	0.031	ppb	15.65	1.00	
121 Sb	115	1	0.039	ppb	12.71	1.00	
137 Ba	115	1	0.034	ppb	12.01	1.00	
205 Tl	165	1	0.025	ppb	14.34	1.00	
208 Pb	165	1	0.018	ppb	10.09	1.00	
232 Th	165	1	0.045	ppb	7.40	1.00	
238 U	165	1	0.011	ppb	13.25	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	296792	1.24	321726	92.2	30 - 120	
45 Sc	1	1882293	0.86	2080908	90.5	30 - 120	
72 Ge	1	1126614	0.94	1293904	87.1	30 - 120	
115 In	1	3856280	0.60	4281452	90.1	30 - 120	
165 Ho	1	7213060	0.53	7865767	91.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\227_BLK.D\227_BLK.D#
Date Acquired: Apr 3 2012 04:05 am
Operator: TEL
Sample Name: mb 280-113858/1-a
Misc Info: BLANK 113858 6020
Vial Number: 4204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	-0.007 ppb	0.00	2.00	
51 V	72	1	0.035 ppb	3.60	2.00	
52 Cr	72	1	0.097 ppb	18.65	2.00	
55 Mn	72	1	0.199 ppb	4.68	2.00	
59 Co	72	1	0.005 ppb	53.66	2.00	
60 Ni	72	1	0.034 ppb	61.65	2.00	
63 Cu	72	1	0.312 ppb	7.97	2.00	
66 Zn	72	1	1.463 ppb	2.36	2.00	
75 As	72	1	0.009 ppb	126.32	2.00	
78 Se	72	1	0.322 ppb	34.86	2.00	
95 Mo	72	1	-0.001 ppb	460.48	2.00	
107 Ag	115	1	0.006 ppb	24.05	2.00	
111 Cd	115	1	0.009 ppb	124.14	2.00	
118 Sn	115	1	0.034 ppb	13.89	2.00	
121 Sb	115	1	0.018 ppb	24.88	2.00	
137 Ba	115	1	0.235 ppb	4.04	2.00	
205 Tl	165	1	0.008 ppb	26.53	2.00	
208 Pb	165	1	0.020 ppb	14.13	2.00	
232 Th	165	1	0.009 ppb	17.17	2.00	
238 U	165	1	0.006 ppb	13.27	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	297536	0.74	321726	92.5	30 - 120	
45 Sc	1	1880421	0.22	2080908	90.4	30 - 120	
72 Ge	1	1139919	0.66	1293904	88.1	30 - 120	
115 In	1	3830090	0.75	4281452	89.5	30 - 120	
165 Ho	1	7181591	0.23	7865767	91.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\228_LCS.D\228_LCS.D#
Date Acquired: Apr 3 2012 04:08 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: lcs 280-113858/2-a
Misc Info: LCS
Vial Number: 4205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	41.60	2.85	40	104.0	80 - 120	
51 V	72	1	40.21	1.26	40	100.5	80 - 120	
52 Cr	72	1	40.15	1.21	40	100.4	80 - 120	
55 Mn	72	1	40.50	0.67	40	101.3	80 - 120	
59 Co	72	1	41.03	1.77	40	102.6	80 - 120	
60 Ni	72	1	39.32	0.85	40	98.3	80 - 120	
63 Cu	72	1	39.64	1.52	40	99.1	80 - 120	
66 Zn	72	1	43.03	0.34	40	107.6	80 - 120	
75 As	72	1	41.73	0.68	40	104.3	80 - 120	
78 Se	72	1	42.00	2.01	40	105.0	80 - 120	
95 Mo	72	1	39.18	1.67	40	98.0	80 - 120	
107 Ag	115	1	40.89	0.50	40	102.2	80 - 120	
111 Cd	115	1	41.18	0.94	40	103.0	80 - 120	
118 Sn	115	1	39.53	0.84	40	98.8	80 - 120	
121 Sb	115	1	40.30	0.76	40	100.8	80 - 120	
137 Ba	115	1	41.16	0.18	40	102.9	80 - 120	
205 Tl	165	1	43.11	0.35	40	107.8	80 - 120	
208 Pb	165	1	41.73	0.90	40	104.3	80 - 120	
232 Th	165	1	42.61	2.49	40	106.5	80 - 120	
238 U	165	1	42.54	1.71	40	106.4	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	292777	0.73	321726	91.0	30 - 120	
45 Sc	1	1860261	1.32	2080908	89.4	30 - 120	
72 Ge	1	1129306	0.82	1293904	87.3	30 - 120	
115 In	1	3825423	0.41	4281452	89.3	30 - 120	
165 Ho	1	7165318	0.66	7865767	91.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\229SMPL.D\229SMPL.D#
Date Acquired: Apr 3 2012 04:11 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-5-d
Misc Info:
Vial Number: 4206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.07	0.07	ppb	18.46	3600	
51 V	72	1	2.99	2.99	ppb	1.66	3600	
52 Cr	72	1	0.11	0.11	ppb	10.98	3600	
55 Mn	72	1	14.08	14.08	ppb	0.70	18000	
59 Co	72	1	0.17	0.17	ppb	6.22	3600	
60 Ni	72	1	6.25	6.25	ppb	0.75	3600	
63 Cu	72	1	1.66	1.66	ppb	1.69	3600	
66 Zn	72	1	9.62	9.62	ppb	0.69	3600	
75 As	72	1	1.80	1.80	ppb	3.80	3600	
78 Se	72	1	0.48	0.48	ppb	127.09	3600	
95 Mo	72	1	1.78	1.78	ppb	2.47	3600	
107 Ag	115	1	0.01	0.01	ppb	30.24	3600	
111 Cd	115	1	0.43	0.43	ppb	1.65	3600	
118 Sn	115	1	0.12	0.12	ppb	12.96	3600	
121 Sb	115	1	180.40	180.40	ppb	0.14	3600	
137 Ba	115	1	71.03	71.03	ppb	0.77	3600	
205 Tl	165	1	0.19	0.19	ppb	3.43	3600	
208 Pb	165	1	0.08	0.08	ppb	6.95	3600	
232 Th	165	1	0.09	0.09	ppb	19.46	1000	
238 U	165	1	10.08	10.08	ppb	1.00	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	279379	0.45	321726	86.8	30 - 120	
45 Sc	1	1744930	1.39	2080908	83.9	30 - 120	
72 Ge	1	999645	0.29	1293904	77.3	30 - 120	
115 In	1	3429791	0.54	4281452	80.1	30 - 120	
165 Ho	1	6703435	0.31	7865767	85.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\230AREF.D\230AREF.D#
Date Acquired: Apr 3 2012 04:14 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-6-b
Misc Info:
Vial Number: 4207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	141.74	3600	
51 V	72	1	2.60	2.60	ppb	3.60	3600	
52 Cr	72	1	0.40	0.40	ppb	5.41	3600	
55 Mn	72	1	3.86	3.86	ppb	1.66	18000	
59 Co	72	1	0.33	0.33	ppb	5.38	3600	
60 Ni	72	1	11.12	11.12	ppb	3.06	3600	
63 Cu	72	1	2.58	2.58	ppb	2.91	3600	
66 Zn	72	1	14.19	14.19	ppb	2.02	3600	
75 As	72	1	1.20	1.20	ppb	2.09	3600	
78 Se	72	1	7.07	7.07	ppb	2.62	3600	
95 Mo	72	1	2.67	2.67	ppb	2.61	3600	
107 Ag	115	1	0.00	0.00	ppb	24.99	3600	
111 Cd	115	1	4.69	4.69	ppb	3.45	3600	
118 Sn	115	1	0.42	0.42	ppb	8.19	3600	
121 Sb	115	1	0.36	0.36	ppb	5.55	3600	
137 Ba	115	1	48.15	48.15	ppb	0.53	3600	
205 Tl	165	1	0.11	0.11	ppb	5.17	3600	
208 Pb	165	1	0.17	0.17	ppb	1.79	3600	
232 Th	165	1	0.06	0.06	ppb	8.87	1000	
238 U	165	1	9.24	9.24	ppb	0.17	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	281182	0.53	321726	87.4	30 - 120	
45 Sc	1	1714321	0.67	2080908	82.4	30 - 120	
72 Ge	1	985398	0.53	1293904	76.2	30 - 120	
115 In	1	3403923	0.53	4281452	79.5	30 - 120	
165 Ho	1	6694700	0.27	7865767	85.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\231SDIL.D\231SDIL.D#
Date Acquired: Apr 3 2012 04:17 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-6-b SD@5
Misc Info: SERIAL DILUTION
Vial Number: 4208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG040212.B\230AREF.D\230AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.02	ppb	142.50	0.00	495.4	90 - 110	
51 V	72	1	0.54	ppb	2.15	0.52	103.1	90 - 110	
52 Cr	72	1	0.09	ppb	22.01	0.08	116.1	90 - 110	
55 Mn	72	1	0.88	ppb	4.54	0.77	113.4	90 - 110	
59 Co	72	1	0.07	ppb	4.24	0.07	102.5	90 - 110	
60 Ni	72	1	2.25	ppb	1.20	2.22	101.1	90 - 110	
63 Cu	72	1	0.54	ppb	3.36	0.52	105.3	90 - 110	
66 Zn	72	1	2.93	ppb	0.77	2.84	103.3	90 - 110	
75 As	72	1	0.24	ppb	9.96	0.24	100.9	90 - 110	
78 Se	72	1	1.17	ppb	25.02	1.41	82.6	90 - 110	
95 Mo	72	1	0.51	ppb	2.63	0.53	95.2	90 - 110	
107 Ag	115	1	0.00	ppb	105.47	0.00	92.6	90 - 110	
111 Cd	115	1	0.97	ppb	0.95	0.94	103.9	90 - 110	
118 Sn	115	1	0.13	ppb	7.42	0.08	150.4	90 - 110	
121 Sb	115	1	0.08	ppb	12.14	0.07	108.8	90 - 110	
137 Ba	115	1	9.71	ppb	0.76	9.63	100.9	90 - 110	
205 Tl	165	1	0.02	ppb	4.19	0.02	106.0	90 - 110	
208 Pb	165	1	0.04	ppb	4.50	0.03	128.5	90 - 110	
232 Th	165	1	0.02	ppb	18.36	0.01	130.2	90 - 110	
238 U	165	1	1.82	ppb	1.08	1.85	98.6	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	285200	1.22	321726	88.6	30 - 120	
45 Sc	1	1743516	1.26	2080908	83.8	30 - 120	
72 Ge	1	1038962	1.34	1293904	80.3	30 - 120	
115 In	1	3528189	0.69	4281452	82.4	30 - 120	
165 Ho	1	6808555	0.47	7865767	86.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\232PDS.D\232PDS.D#
Date Acquired: Apr 3 2012 04:20 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-6-b PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 4209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	189.80	0.02	ppb	2.32	200	94.9	75 - 125	
51 V	72	1	202.20	2.60	ppb	0.88	200	99.8	75 - 125	
52 Cr	72	1	194.00	0.40	ppb	0.94	200	96.8	75 - 125	
55 Mn	72	1	197.00	3.86	ppb	1.69	200	96.6	75 - 125	
59 Co	72	1	188.90	0.33	ppb	1.55	200	94.3	75 - 125	
60 Ni	72	1	199.70	11.12	ppb	1.58	200	94.6	75 - 125	
63 Cu	72	1	179.60	2.58	ppb	2.71	200	88.7	75 - 125	
66 Zn	72	1	202.30	14.19	ppb	0.61	200	94.4	75 - 125	
75 As	72	1	214.50	1.20	ppb	0.51	200	106.6	75 - 125	
78 Se	72	1	218.50	7.07	ppb	1.93	200	105.5	75 - 125	
95 Mo	72	1	204.70	2.67	ppb	1.39	200	101.0	75 - 125	
107 Ag	115	1	43.84	0.00	ppb	0.61	50	87.7	75 - 125	
111 Cd	115	1	196.20	4.69	ppb	0.19	200	95.9	75 - 125	
118 Sn	115	1	190.50	0.42	ppb	0.55	200	95.0	75 - 125	
121 Sb	115	1	193.80	0.36	ppb	0.39	200	96.7	75 - 125	
137 Ba	115	1	248.80	48.15	ppb	0.74	200	100.3	75 - 125	
205 Tl	165	1	188.10	0.11	ppb	0.19	200	94.0	75 - 125	
208 Pb	165	1	180.50	0.17	ppb	0.59	200	90.2	75 - 125	
232 Th	165	1	0.05	0.06	ppb	2.12	200	0.0	75 - 125	
238 U	165	1	210.80	9.24	ppb	0.21	200	100.7	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	277139	0.61	321726	86.1	30 - 120	
45 Sc	1	1692239	1.58	2080908	81.3	30 - 120	
72 Ge	1	969662	0.65	1293904	74.9	30 - 120	
115 In	1	3383782	0.32	4281452	79.0	30 - 120	
165 Ho	1	6660683	0.37	7865767	84.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\233_MS.D\233_MS.D#
Date Acquired: Apr 3 2012 04:22 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-6-c ms
Misc Info: MATRIX SPIKE
Vial Number: 4210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	40.65	0.02	ppb	2.29	40	101.6	50 - 150	
51 V	72	1	46.07	2.60	ppb	0.43	40	108.2	50 - 150	
52 Cr	72	1	41.87	0.40	ppb	0.83	40	103.6	50 - 150	
55 Mn	72	1	45.04	3.86	ppb	1.35	40	102.7	50 - 150	
59 Co	72	1	42.46	0.33	ppb	1.75	40	105.3	50 - 150	
60 Ni	72	1	50.40	11.12	ppb	1.05	40	98.6	50 - 150	
63 Cu	72	1	40.41	2.58	ppb	0.77	40	94.9	50 - 150	
66 Zn	72	1	54.42	14.19	ppb	1.31	40	100.4	50 - 150	
75 As	72	1	46.63	1.20	ppb	0.98	40	113.2	50 - 150	
78 Se	72	1	52.95	7.07	ppb	3.67	40	112.5	50 - 150	
95 Mo	72	1	45.71	2.67	ppb	0.76	40	107.1	50 - 150	
107 Ag	115	1	36.87	0.00	ppb	0.83	40	92.2	50 - 150	
111 Cd	115	1	45.21	4.69	ppb	0.59	40	101.2	50 - 150	
118 Sn	115	1	40.73	0.42	ppb	1.15	40	100.8	50 - 150	
121 Sb	115	1	41.15	0.36	ppb	0.99	40	102.0	50 - 150	
137 Ba	115	1	89.87	48.15	ppb	0.52	40	102.0	50 - 150	
205 Tl	165	1	42.04	0.11	ppb	1.08	40	104.8	50 - 150	
208 Pb	165	1	39.76	0.17	ppb	1.13	40	99.0	50 - 150	
232 Th	165	1	46.22	0.06	ppb	0.40	40	115.4	50 - 150	
238 U	165	1	54.67	9.24	ppb	0.69	40	111.0	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	278190	0.59	321726	86.5	30 - 120	
45 Sc	1	1691294	0.87	2080908	81.3	30 - 120	
72 Ge	1	969759	0.91	1293904	74.9	30 - 120	
115 In	1	3376813	0.75	4281452	78.9	30 - 120	
165 Ho	1	6616388	1.01	7865767	84.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\234_MSD.D\234_MSD.D#
Date Acquired: Apr 3 2012 04:25 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-6-d msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 4211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG040212.B\233_MS.D\233_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	39.47	ppb	4.99	40.65	2.95	20	
51 V	72	1	45.31	ppb	2.77	46.07	1.66	20	
52 Cr	72	1	41.24	ppb	3.02	41.87	1.52	20	
55 Mn	72	1	44.67	ppb	2.63	45.04	0.82	20	
59 Co	72	1	41.96	ppb	1.44	42.46	1.18	20	
60 Ni	72	1	50.00	ppb	1.55	50.40	0.80	20	
63 Cu	72	1	40.21	ppb	1.70	40.41	0.50	20	
66 Zn	72	1	55.75	ppb	2.29	54.42	2.41	20	
75 As	72	1	45.94	ppb	3.43	46.63	1.49	20	
78 Se	72	1	51.41	ppb	1.48	52.95	2.95	20	
95 Mo	72	1	44.54	ppb	1.62	45.71	2.59	20	
107 Ag	115	1	36.30	ppb	1.45	36.87	1.56	20	
111 Cd	115	1	44.56	ppb	0.58	45.21	1.45	20	
118 Sn	115	1	39.70	ppb	0.65	40.73	2.56	20	
121 Sb	115	1	40.24	ppb	0.44	41.15	2.24	20	
137 Ba	115	1	89.16	ppb	0.83	89.87	0.79	20	
205 Tl	165	1	41.49	ppb	1.27	42.04	1.32	20	
208 Pb	165	1	39.19	ppb	1.06	39.76	1.44	20	
232 Th	165	1	45.25	ppb	0.36	46.22	2.12	20	
238 U	165	1	53.57	ppb	0.77	54.67	2.03	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	279341	0.82	321726	86.8	30 - 120	
45 Sc	1	1681387	0.59	2080908	80.8	30 - 120	
72 Ge	1	964352	2.40	1293904	74.5	30 - 120	
115 In	1	3374308	0.82	4281452	78.8	30 - 120	
165 Ho	1	6616212	0.75	7865767	84.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\235_CCV.D\235_CCV.D#
Date Acquired: Apr 3 2012 04:28 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	46.94	ppb	0.61	50	93.9	90 - 110	
51 V	72	1	49.78	ppb	3.13	50	99.6	90 - 110	
52 Cr	72	1	51.22	ppb	2.33	50	102.4	90 - 110	
55 Mn	72	1	52.31	ppb	0.90	50	104.6	90 - 110	
59 Co	72	1	51.58	ppb	0.76	50	103.2	90 - 110	
60 Ni	72	1	48.94	ppb	0.94	50	97.9	90 - 110	
63 Cu	72	1	48.78	ppb	1.36	50	97.6	90 - 110	
66 Zn	72	1	50.52	ppb	0.96	50	101.0	90 - 110	
75 As	72	1	49.95	ppb	0.90	50	99.9	90 - 110	
78 Se	72	1	51.75	ppb	3.69	50	103.5	90 - 110	
95 Mo	72	1	49.92	ppb	1.74	50	99.8	90 - 110	
107 Ag	115	1	50.02	ppb	1.58	50	100.0	90 - 110	
111 Cd	115	1	49.61	ppb	1.29	50	99.2	90 - 110	
118 Sn	115	1	48.59	ppb	1.66	50	97.2	90 - 110	
121 Sb	115	1	48.39	ppb	0.68	50	96.8	90 - 110	
137 Ba	115	1	49.91	ppb	1.16	50	99.8	90 - 110	
205 Tl	165	1	53.68	ppb	1.35	50	107.4	90 - 110	
208 Pb	165	1	51.66	ppb	0.35	50	103.3	90 - 110	
232 Th	165	1	53.23	ppb	1.06	50	106.5	90 - 110	
238 U	165	1	53.45	ppb	1.18	50	106.9	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	285061	0.25	321726	88.6	30 - 120	
45 Sc	1	1697225	0.33	2080908	81.6	30 - 120	
72 Ge	1	1021579	1.04	1293904	79.0	30 - 120	
115 In	1	3605924	0.45	4281452	84.2	30 - 120	
165 Ho	1	6857509	1.01	7865767	87.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\236_CCB.D\236_CCB.D#
Date Acquired: Apr 3 2012 04:31 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.001	ppb	1276.40	1.00	
51 V	72	1	0.020	ppb	15.14	1.00	
52 Cr	72	1	0.011	ppb	43.53	1.00	
55 Mn	72	1	0.051	ppb	13.26	1.00	
59 Co	72	1	0.009	ppb	24.85	1.00	
60 Ni	72	1	0.015	ppb	66.56	1.00	
63 Cu	72	1	0.091	ppb	15.67	1.00	
66 Zn	72	1	0.095	ppb	15.51	1.00	
75 As	72	1	0.005	ppb	261.85	1.00	
78 Se	72	1	0.102	ppb	230.74	1.00	
95 Mo	72	1	0.002	ppb	630.14	1.00	
107 Ag	115	1	0.016	ppb	22.08	1.00	
111 Cd	115	1	0.014	ppb	30.34	1.00	
118 Sn	115	1	0.050	ppb	19.19	1.00	
121 Sb	115	1	0.062	ppb	2.08	1.00	
137 Ba	115	1	0.025	ppb	14.38	1.00	
205 Tl	165	1	0.028	ppb	18.02	1.00	
208 Pb	165	1	0.016	ppb	7.11	1.00	
232 Th	165	1	0.063	ppb	12.71	1.00	
238 U	165	1	0.017	ppb	6.70	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	277806	0.70	321726	86.3	30 - 120	
45 Sc	1	1698143	1.27	2080908	81.6	30 - 120	
72 Ge	1	1015674	0.32	1293904	78.5	30 - 120	
115 In	1	3592699	0.84	4281452	83.9	30 - 120	
165 Ho	1	6800681	0.69	7865767	86.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\237SMPL.D\237SMPL.D#
Date Acquired: Apr 3 2012 04:34 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-7-b
Misc Info:
Vial Number: 4212
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	933.03	3600	
51 V	72	1	1.93	1.93	ppb	2.65	3600	
52 Cr	72	1	0.74	0.74	ppb	3.29	3600	
55 Mn	72	1	1.51	1.51	ppb	3.12	18000	
59 Co	72	1	0.18	0.18	ppb	7.76	3600	
60 Ni	72	1	12.09	12.09	ppb	0.59	3600	
63 Cu	72	1	2.06	2.06	ppb	2.96	3600	
66 Zn	72	1	6.32	6.32	ppb	2.34	3600	
75 As	72	1	0.76	0.76	ppb	3.48	3600	
78 Se	72	1	2.87	2.87	ppb	19.67	3600	
95 Mo	72	1	0.45	0.45	ppb	9.14	3600	
107 Ag	115	1	0.01	0.01	ppb	33.67	3600	
111 Cd	115	1	0.70	0.70	ppb	3.97	3600	
118 Sn	115	1	0.59	0.59	ppb	9.47	3600	
121 Sb	115	1	0.08	0.08	ppb	5.52	3600	
137 Ba	115	1	31.76	31.76	ppb	0.15	3600	
205 Tl	165	1	0.03	0.03	ppb	10.23	3600	
208 Pb	165	1	0.14	0.14	ppb	23.95	3600	
232 Th	165	1	0.02	0.02	ppb	10.32	1000	
238 U	165	1	4.22	4.22	ppb	1.72	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	261079	0.49	321726	81.1	30 - 120	
45 Sc	1	1591684	1.44	2080908	76.5	30 - 120	
72 Ge	1	894889	1.68	1293904	69.2	30 - 120	
115 In	1	3191791	0.18	4281452	74.5	30 - 120	
165 Ho	1	6408665	0.94	7865767	81.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\238SMPL.D\238SMPL.D#
Date Acquired: Apr 3 2012 04:37 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-8-b
Misc Info:
Vial Number: 4301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.07	0.07	ppb	19.42	3600	
51 V	72	1	1.12	1.12	ppb	1.89	3600	
52 Cr	72	1	0.33	0.33	ppb	6.33	3600	
55 Mn	72	1	66.31	66.31	ppb	0.48	18000	
59 Co	72	1	0.30	0.30	ppb	2.55	3600	
60 Ni	72	1	3.57	3.57	ppb	1.06	3600	
63 Cu	72	1	1.16	1.16	ppb	4.41	3600	
66 Zn	72	1	4.49	4.49	ppb	1.71	3600	
75 As	72	1	1.99	1.99	ppb	1.56	3600	
78 Se	72	1	2.68	2.68	ppb	9.96	3600	
95 Mo	72	1	1.06	1.06	ppb	3.64	3600	
107 Ag	115	1	0.01	0.01	ppb	69.33	3600	
111 Cd	115	1	0.10	0.10	ppb	6.19	3600	
118 Sn	115	1	0.48	0.48	ppb	7.29	3600	
121 Sb	115	1	0.06	0.06	ppb	10.03	3600	
137 Ba	115	1	50.54	50.54	ppb	1.44	3600	
205 Tl	165	1	0.01	0.01	ppb	8.89	3600	
208 Pb	165	1	0.14	0.14	ppb	1.47	3600	
232 Th	165	1	0.12	0.12	ppb	4.48	1000	
238 U	165	1	3.51	3.51	ppb	0.51	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	278354	0.81	321726	86.5	30 - 120	
45 Sc	1	1635293	1.25	2080908	78.6	30 - 120	
72 Ge	1	909900	1.36	1293904	70.3	30 - 120	
115 In	1	3233717	0.94	4281452	75.5	30 - 120	
165 Ho	1	6478211	0.72	7865767	82.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\239SMPL.D\239SMPL.D#
Date Acquired: Apr 3 2012 04:40 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-9-b
Misc Info:
Vial Number: 4302
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.07	0.07	ppb	61.09	3600	
51 V	72	1	0.50	0.50	ppb	10.61	3600	
52 Cr	72	1	0.09	0.09	ppb	16.57	3600	
55 Mn	72	1	42.42	42.42	ppb	0.96	18000	
59 Co	72	1	0.29	0.29	ppb	3.81	3600	
60 Ni	72	1	1.48	1.48	ppb	4.30	3600	
63 Cu	72	1	0.46	0.46	ppb	2.21	3600	
66 Zn	72	1	2.25	2.25	ppb	2.88	3600	
75 As	72	1	4.06	4.06	ppb	1.77	3600	
78 Se	72	1	0.17	0.17	ppb	141.35	3600	
95 Mo	72	1	0.37	0.37	ppb	3.70	3600	
107 Ag	115	1	0.00	0.00	ppb	43.55	3600	
111 Cd	115	1	0.04	0.04	ppb	5.39	3600	
118 Sn	115	1	0.09	0.09	ppb	6.55	3600	
121 Sb	115	1	6.39	6.39	ppb	2.71	3600	
137 Ba	115	1	62.89	62.89	ppb	1.07	3600	
205 Tl	165	1	0.00	0.00	ppb	10.31	3600	
208 Pb	165	1	0.11	0.11	ppb	2.42	3600	
232 Th	165	1	0.04	0.04	ppb	2.14	1000	
238 U	165	1	4.02	4.02	ppb	0.41	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	295771	0.83	321726	91.9	30 - 120	
45 Sc	1	1704138	1.84	2080908	81.9	30 - 120	
72 Ge	1	1003580	0.80	1293904	77.6	30 - 120	
115 In	1	3444097	0.44	4281452	80.4	30 - 120	
165 Ho	1	6708455	0.04	7865767	85.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\240SMPL.D\240SMPL.D#
Date Acquired: Apr 3 2012 04:43 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-10-b
Misc Info:
Vial Number: 4303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.17	0.17	ppb	0.50	3600	
51 V	72	1	2.97	2.97	ppb	2.14	3600	
52 Cr	72	1	0.93	0.93	ppb	3.94	3600	
55 Mn	72	1	87.66	87.66	ppb	1.10	18000	
59 Co	72	1	1.18	1.18	ppb	1.22	3600	
60 Ni	72	1	2.40	2.40	ppb	1.05	3600	
63 Cu	72	1	1.57	1.57	ppb	4.95	3600	
66 Zn	72	1	9.78	9.78	ppb	0.98	3600	
75 As	72	1	5.93	5.93	ppb	1.17	3600	
78 Se	72	1	0.55	0.55	ppb	47.89	3600	
95 Mo	72	1	7.11	7.11	ppb	1.02	3600	
107 Ag	115	1	0.00	0.00	ppb	29.10	3600	
111 Cd	115	1	0.53	0.53	ppb	3.48	3600	
118 Sn	115	1	0.33	0.33	ppb	12.05	3600	
121 Sb	115	1	154.30	154.30	ppb	0.65	3600	
137 Ba	115	1	105.50	105.50	ppb	0.24	3600	
205 Tl	165	1	0.03	0.03	ppb	4.01	3600	
208 Pb	165	1	0.18	0.18	ppb	0.84	3600	
232 Th	165	1	0.10	0.10	ppb	2.24	1000	
238 U	165	1	24.10	24.10	ppb	1.89	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	294038	0.49	321726	91.4	30 - 120	
45 Sc	1	1706742	0.62	2080908	82.0	30 - 120	
72 Ge	1	1008821	1.35	1293904	78.0	30 - 120	
115 In	1	3437687	0.52	4281452	80.3	30 - 120	
165 Ho	1	6782631	0.22	7865767	86.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\241SMPL.D\241SMPL.D#
Date Acquired: Apr 3 2012 04:46 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-11-b
Misc Info:
Vial Number: 4304
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.04	0.04	ppb	102.96	3600	
51 V	72	1	0.97	0.97	ppb	1.72	3600	
52 Cr	72	1	1.14	1.14	ppb	3.14	3600	
55 Mn	72	1	15.80	15.80	ppb	1.27	18000	
59 Co	72	1	0.22	0.22	ppb	3.10	3600	
60 Ni	72	1	3.58	3.58	ppb	1.92	3600	
63 Cu	72	1	2.02	2.02	ppb	2.15	3600	
66 Zn	72	1	8.52	8.52	ppb	1.70	3600	
75 As	72	1	0.86	0.86	ppb	2.54	3600	
78 Se	72	1	4.28	4.28	ppb	30.30	3600	
95 Mo	72	1	1.73	1.73	ppb	4.96	3600	
107 Ag	115	1	0.00	0.00	ppb	173.84	3600	
111 Cd	115	1	0.31	0.31	ppb	8.74	3600	
118 Sn	115	1	0.26	0.26	ppb	6.81	3600	
121 Sb	115	1	0.11	0.11	ppb	3.31	3600	
137 Ba	115	1	73.37	73.37	ppb	1.22	3600	
205 Tl	165	1	0.02	0.02	ppb	1.93	3600	
208 Pb	165	1	0.13	0.13	ppb	0.81	3600	
232 Th	165	1	0.06	0.06	ppb	3.33	1000	
238 U	165	1	5.32	5.32	ppb	0.88	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	292298	0.88	321726	90.9	30 - 120	
45 Sc	1	1701457	0.49	2080908	81.8	30 - 120	
72 Ge	1	970756	1.00	1293904	75.0	30 - 120	
115 In	1	3413899	0.67	4281452	79.7	30 - 120	
165 Ho	1	6732271	0.27	7865767	85.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\242SMPL.D\242SMPL.D#
Date Acquired: Apr 3 2012 04:49 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-12-b
Misc Info:
Vial Number: 4305
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	150.57	3600	
51 V	72	1	0.10	0.10	ppb	29.69	3600	
52 Cr	72	1	0.49	0.49	ppb	4.90	3600	
55 Mn	72	1	0.72	0.72	ppb	3.08	18000	
59 Co	72	1	0.02	0.02	ppb	8.41	3600	
60 Ni	72	1	0.20	0.20	ppb	9.31	3600	
63 Cu	72	1	0.74	0.74	ppb	2.79	3600	
66 Zn	72	1	4.53	4.53	ppb	1.11	3600	
75 As	72	1	0.00	0.00	ppb	340.01	3600	
78 Se	72	1	0.23	0.23	ppb	75.17	3600	
95 Mo	72	1	0.20	0.20	ppb	13.81	3600	
107 Ag	115	1	0.00	0.00	ppb	683.34	3600	
111 Cd	115	1	0.01	0.01	ppb	118.61	3600	
118 Sn	115	1	0.03	0.03	ppb	6.72	3600	
121 Sb	115	1	0.03	0.03	ppb	8.69	3600	
137 Ba	115	1	0.20	0.20	ppb	5.45	3600	
205 Tl	165	1	0.00	0.00	ppb	28.41	3600	
208 Pb	165	1	0.05	0.05	ppb	1.71	3600	
232 Th	165	1	0.00	0.00	ppb	14.87	1000	
238 U	165	1	0.01	0.01	ppb	12.59	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	310221	0.80	321726	96.4	30 - 120	
45 Sc	1	1764242	0.06	2080908	84.8	30 - 120	
72 Ge	1	1086426	1.27	1293904	84.0	30 - 120	
115 In	1	3697970	0.60	4281452	86.4	30 - 120	
165 Ho	1	7060741	0.20	7865767	89.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\243SMPL.D\243SMPL.D#
Date Acquired: Apr 3 2012 04:52 am
Acq. Method: NormISIS.M
Operator: TEL
Sample Name: 280-27193-a-13-b
Misc Info:
Vial Number: 4306
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Apr 03 2012 02:59 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.18	0.18	ppb	7.31	3600	
51 V	72	1	0.92	0.92	ppb	2.16	3600	
52 Cr	72	1	0.17	0.17	ppb	6.92	3600	
55 Mn	72	1	418.50	418.50	ppb	1.96	18000	
59 Co	72	1	7.40	7.40	ppb	2.55	3600	
60 Ni	72	1	21.80	21.80	ppb	2.15	3600	
63 Cu	72	1	1.25	1.25	ppb	3.11	3600	
66 Zn	72	1	7.92	7.92	ppb	3.37	3600	
75 As	72	1	14.15	14.15	ppb	3.16	3600	
78 Se	72	1	0.68	0.68	ppb	59.68	3600	
95 Mo	72	1	1.46	1.46	ppb	4.35	3600	
107 Ag	115	1	0.01	0.01	ppb	29.82	3600	
111 Cd	115	1	0.17	0.17	ppb	31.69	3600	
118 Sn	115	1	0.16	0.16	ppb	1.61	3600	
121 Sb	115	1	18.77	18.77	ppb	0.32	3600	
137 Ba	115	1	25.08	25.08	ppb	0.90	3600	
205 Tl	165	1	0.01	0.01	ppb	3.94	3600	
208 Pb	165	1	0.08	0.08	ppb	2.24	3600	
232 Th	165	1	0.05	0.05	ppb	6.19	1000	
238 U	165	1	33.61	33.61	ppb	0.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	267320	0.55	321726	83.1	30 - 120	
45 Sc	1	1572226	1.14	2080908	75.6	30 - 120	
72 Ge	1	871505	2.16	1293904	67.4	30 - 120	
115 In	1	3108168	0.57	4281452	72.6	30 - 120	
165 Ho	1	6341521	0.71	7865767	80.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\244_CCV.D\244_CCV.D#
Date Acquired: Apr 3 2012 04:55 am
Operator: TEL
Sample Name: CCV-1342539
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	47.03	ppb	4.25	50	94.1	90 - 110	
51 V	72	1	49.87	ppb	3.20	50	99.7	90 - 110	
52 Cr	72	1	50.14	ppb	2.53	50	100.3	90 - 110	
55 Mn	72	1	51.04	ppb	1.95	50	102.1	90 - 110	
59 Co	72	1	50.35	ppb	3.04	50	100.7	90 - 110	
60 Ni	72	1	48.67	ppb	1.80	50	97.3	90 - 110	
63 Cu	72	1	48.16	ppb	3.43	50	96.3	90 - 110	
66 Zn	72	1	50.34	ppb	1.60	50	100.7	90 - 110	
75 As	72	1	48.87	ppb	2.13	50	97.7	90 - 110	
78 Se	72	1	50.29	ppb	1.87	50	100.6	90 - 110	
95 Mo	72	1	49.46	ppb	1.08	50	98.9	90 - 110	
107 Ag	115	1	50.48	ppb	0.91	50	101.0	90 - 110	
111 Cd	115	1	50.47	ppb	0.56	50	100.9	90 - 110	
118 Sn	115	1	49.45	ppb	0.43	50	98.9	90 - 110	
121 Sb	115	1	48.95	ppb	0.35	50	97.9	90 - 110	
137 Ba	115	1	50.78	ppb	0.59	50	101.6	90 - 110	
205 Tl	165	1	54.18	ppb	1.54	50	108.4	90 - 110	
208 Pb	165	1	52.02	ppb	1.78	50	104.0	90 - 110	
232 Th	165	1	53.87	ppb	2.25	50	107.7	90 - 110	
238 U	165	1	53.88	ppb	1.97	50	107.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	312895	1.32	321726	97.3	30 - 120	
45 Sc	1	1784953	1.30	2080908	85.8	30 - 120	
72 Ge	1	1086302	2.61	1293904	84.0	30 - 120	
115 In	1	3725568	0.54	4281452	87.0	30 - 120	
165 Ho	1	7100330	1.16	7865767	90.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG040212.B\245_CCB.D\245_CCB.D#
Date Acquired: Apr 3 2012 04:58 am
Operator: TEL
Sample Name: CCB-1342540
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Apr 03 2012 02:59 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Fail

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.004	ppb	219.59	1.00	
51 V	72	1	0.014	ppb	91.53	1.00	
52 Cr	72	1	0.012	ppb	62.04	1.00	
55 Mn	72	1	0.124	ppb	12.80	1.00	
59 Co	72	1	0.009	ppb	29.08	1.00	
60 Ni	72	1	0.013	ppb	50.98	1.00	
63 Cu	72	1	0.228	ppb	6.25	1.00	
66 Zn	72	1	0.141	ppb	4.95	1.00	
75 As	72	1	0.009	ppb	65.97	1.00	
78 Se	72	1	0.088	ppb	104.54	1.00	
95 Mo	72	1	0.008	ppb	50.54	1.00	
107 Ag	115	1	0.013	ppb	9.73	1.00	
111 Cd	115	1	0.024	ppb	35.68	1.00	
118 Sn	115	1	0.037	ppb	21.87	1.00	
121 Sb	115	1	0.049	ppb	5.38	1.00	
137 Ba	115	1	0.036	ppb	11.20	1.00	
205 Tl	165	1	0.026	ppb	17.34	1.00	
208 Pb	165	1	0.021	ppb	17.97	1.00	
232 Th	165	1	0.059	ppb	12.25	1.00	
238 U	165	1	0.013	ppb	12.26	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	388042	0.65	321726	120.6	30 - 120	ISFail
45 Sc	1	2196025	0.90	2080908	105.5	30 - 120	
72 Ge	1	1370175	0.81	1293904	105.9	30 - 120	
115 In	1	4406733	0.92	4281452	102.9	30 - 120	
165 Ho	1	8183655	1.11	7865767	104.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG040212.B\203CALB.D\203CALB.D#

0 :Element Failures
1 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

114021-6020 Waters
114023-200.8
114025-Soil

TestAmerica Denver

TestAmerica

ICP/MS Technical Data Review Checklist

Lab Project ID Number(s): see attached cover sheet Check Method/SOP Used: 6020/DV-MT-0018 200.8/DV-MT-0002

Review Items	--- Level 1 --- Yes	No	N/A	Level 2	Comments & Samples Affected
Tune					
1. Tune solution analyzed min. of 4 times for 6020 or 5 times for 200.8?	✓			✓	
2. Tune RSD <5%?	✓			✓	
2. Resolution ≤ 0.9 AMU full width at 10% peak height? NOTE: This also satisfies 200.8, 1.0 AMU at 5% peak height	✓			✓	
Initial Calibration					
1. Done with a minimum of 3 integrations of a high standard and blank?	✓			✓	
2. ICV/CCV run at beginning of run, 10% frequency, and end of run? Results with 10% of expected value?	✓			✓	
3. ICB/CCB run at beginning of run, 10% frequency, and end of run? Results +/- RL	✓			✓	
4. ICSA/AB analyzed at beginning of run and every 12 hours and results 80- 120% of TV?	✓			✓	
5. RL Std analyzed at beginning of run and results +/- 50% of TV(for AFCEE 4.0, DoD V3 +/- 20% of true value)?	✓			✓	
Client Samples & QC Sample Results					
1. Were all samples within linear range, ≤ 90% of LDR for 200.8?	✓			✓	
2. Dilutions due to target elements? ✓ Dilutions for other reasons?	✓			✓	
3. All reported results bracketed by in control QC?	✓			✓	
4. All 6020 internal standards for all analyses 30-120% of intensities in blank or all 200.8 internal standards 60-125%?	✓			✓	
5. Was a 5X serial dilution analyzed for 6020 and, if so, are results ± 10% of original result, if original ≥ 100x MDL?	✓			✓	
6. LCS included in batch and within QC limits?	✓			✓	
7. Method blank included and <1/2RL?	✓			✓	
8. MS and MSD included in batch?	✓			✓	
9. PDS analyzed and recovery 75-125%?	✓			✓	
10. Manual calculations documented properly and checked?	✓			✓	
11. Are non-conformances documented on an NCM?	✓			✓	
12. Is the appropriate raw data included?	✓			✓	
13. Are all results manually entered into LIMS verified? Are all electronic data files archived to the appropriate network locations?	✓			✓	
14. Were special client requirements met?	✓			✓	

1st Level Reviewer: [signature] Date: 4/3/12

2nd Level Reviewer: [signature] Date: 4/3/12

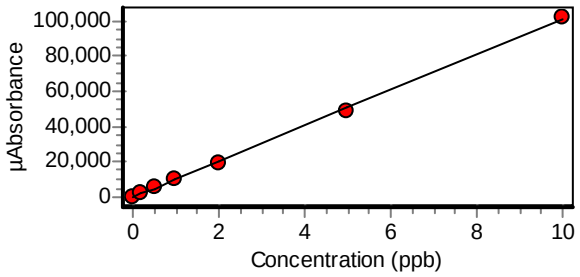
Report Generated By CETAC QuickTrace
Analyst: RawlingsB
Worksheet file: C:\Program Files\QuickTrace\Worksheets\April 2012\120404taa.wsz
Date Started: 4/4/2012 10:44:31 AM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
Cal Blank	STD	04/04/12 11:20:01 am	0.000	39	4.76		1.00	1.00	1.00
Std1	STD	04/04/12 11:24:34 am	0.200	2116	0.54		1.00	1.00	1.00
Std2	STD	04/04/12 11:26:52 am	0.500	5049	0.48		1.00	1.00	1.00
Std3	STD	04/04/12 11:29:11 am	1.000	10002	0.60		1.00	1.00	1.00
Std4	STD	04/04/12 11:31:31 am	2.000	19400	0.44		1.00	1.00	1.00
Std5	STD	04/04/12 11:33:51 am	5.000	48689	0.42		1.00	1.00	1.00
Std6	STD	04/04/12 11:36:13 am	10.000	102099	0.51		1.00	1.00	1.00

Calibration

Equation: A = -350.611 + 10152.240C
R2: 0.99944
SEE: 961.0013
Flags:



ICV 1344697	ICV	04/04/12 11:38:39 am	4.115	41428	0.54		1.00	1.00	1.00
% Recovery 102.88									
ICB	ICB	04/04/12 11:41:29 am	0.038	34	10.39		1.00	1.00	1.00
CRA 1344699	CRDL	04/04/12 11:43:47 am	0.244	2127	0.46		1.00	1.00	1.00
% Recovery 122.02									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV 1344698	CCV	04/04/12 11:46:08 am	4.875	49136	0.43		1.00	1.00
% Recovery 97.49							1.00	
CCB	CCB	04/04/12 11:48:25 am	0.037	28	5.66		1.00	1.00
							1.00	
MB 280-114151/1-A	UNK	04/04/12 11:50:42 am	0.039	45	4.61		1.00	1.00
							1.00	
LCS 280-114151/2-A	UNK	04/04/12 11:53:00 am	4.442	44749	0.48		1.00	1.00
							1.00	
280-27121-H-1-E	UNK	04/04/12 11:55:18 am	0.040	56	10.42		1.00	1.00
							1.00	
280-27145-E-1-D	UNK	04/04/12 11:57:36 am	0.063	290	1.07		1.00	1.00
							1.00	
280-27145-E-1-E MS	UNK	04/04/12 11:59:54 am	4.462	44947	0.44		1.00	1.00
							1.00	
280-27145-E-1-F MSD	UNK	04/04/12 12:02:13 pm	4.678	47139	0.39		1.00	1.00
							1.00	
280-27213-F-11-A	UNK	04/04/12 12:04:32 pm	0.039	42	7.91		1.00	1.00
							1.00	
MB 280-114152/1-A	UNK	04/04/12 12:06:51 pm	0.038	39	2.49		1.00	1.00
							1.00	
LCS 280-114152/2-A	UNK	04/04/12 12:09:11 pm	4.548	45822	0.41		1.00	1.00
							1.00	
280-27136-A-1-D	UNK	04/04/12 12:11:31 pm	0.060	262	1.14		1.00	1.00
							1.00	
CCV 1344698	CCV	04/04/12 12:13:51 pm	4.687	47236	0.48		1.00	1.00
% Recovery 93.75							1.00	
CCB	CCB	04/04/12 12:16:09 pm	0.038	33	6.54		1.00	1.00
							1.00	
280-27136-A-1-D sd@5	UNK	04/04/12 12:18:29 pm	0.043	91	2.30		1.00	1.00
							1.00	
280-27136-A-1-E MS	UNK	04/04/12 12:20:50 pm	3.998	40233	1.43		1.00	1.00
							1.00	
280-27136-A-1-F MSD	UNK	04/04/12 12:23:07 pm	4.088	41155	0.96		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27136-A-2-B	UNK	04/04/12 12:25:24 pm	0.032	-31	15.10		1.00	1.00	1.00
280-27111-E-1-F	UNK	04/04/12 12:27:42 pm	0.068	337	1.82		1.00	1.00	1.00
280-27149-F-1-F	UNK	04/04/12 12:29:59 pm	0.045	103	3.49		1.00	1.00	1.00
280-27177-E-3-E	UNK	04/04/12 12:32:17 pm	0.053	191	1.76		1.00	1.00	1.00
280-27177-E-5-C	UNK	04/04/12 12:34:36 pm	0.046	114	0.73		1.00	1.00	1.00
280-27177-E-9-C	UNK	04/04/12 12:36:55 pm	0.049	151	2.47		1.00	1.00	1.00
280-27177-E-11-C	UNK	04/04/12 12:39:15 pm	0.044	96	2.87		1.00	1.00	1.00
CCV 1344698	CCV	04/04/12 12:41:35 pm	4.681	47173	0.66		1.00	1.00	1.00
% Recovery 93.62									
CCB	CCB	04/04/12 12:43:53 pm	0.037	25	6.68		1.00	1.00	1.00
280-27123-G-11-B	UNK	04/04/12 12:46:12 pm	0.038	40	10.40		1.00	1.00	1.00
MB 280-114076/1-A	UNK	04/04/12 12:48:32 pm	0.039	47	8.44		1.00	1.00	1.00
LCS 280-114076/2-A	UNK	04/04/12 12:50:52 pm	4.551	45855	0.41		1.00	1.00	1.00
280-27218-P-1-B	UNK	04/04/12 12:53:12 pm	0.037	27	7.15		1.00	1.00	1.00
280-27209-G-1-A	UNK	04/04/12 12:55:30 pm	0.089	556	0.98		1.00	1.00	1.00
280-27222-D-1-A	UNK	04/04/12 12:57:47 pm	0.045	108	1.26		1.00	1.00	1.00
280-27222-D-1-B MS	UNK	04/04/12 01:00:05 pm	4.198	42272	0.47		1.00	1.00	1.00
280-27222-D-1-C MSD	UNK	04/04/12 01:02:23 pm	4.130	41583	1.38		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27222-D-2-A	UNK	04/04/12 01:04:41 pm	0.029	-58	2.11		1.00	1.00	1.00
280-27222-D-3-A	UNK	04/04/12 01:07:00 pm	0.048	132	3.99		1.00	1.00	1.00
CCV 1344698	CCV	04/04/12 01:09:21 pm	4.679	47151	0.48		1.00	1.00	1.00
% Recovery 93.58									
CCB	CCB	04/04/12 01:11:38 pm	0.037	21	23.29		1.00	1.00	1.00
280-27222-D-5-A	UNK	04/04/12 01:13:57 pm	0.037	25	6.48		1.00	1.00	1.00
MB 280-114074/1-A	UNK	04/04/12 01:16:17 pm	0.039	42	7.27		1.00	1.00	1.00
LCS 280-114074/2-A	UNK	04/04/12 01:18:36 pm	4.557	45910	0.39		1.00	1.00	1.00
280-27223-D-1-A	UNK	04/04/12 01:20:57 pm	0.037	26	5.49		1.00	1.00	1.00
280-27223-D-2-A	UNK	04/04/12 01:23:16 pm	0.044	96	3.49		1.00	1.00	1.00
280-27223-D-3-A	UNK	04/04/12 01:25:36 pm	0.036	18	9.75		1.00	1.00	1.00
280-27223-D-4-A	UNK	04/04/12 01:27:54 pm	0.038	35	4.41		1.00	1.00	1.00
280-27223-D-5-A	UNK	04/04/12 01:30:11 pm	0.036	20	18.92		1.00	1.00	1.00
280-27223-D-6-A	UNK	04/04/12 01:32:28 pm	0.033	-13	20.91		1.00	1.00	1.00
280-27223-D-7-A	UNK	04/04/12 01:34:46 pm	0.037	28	8.01		1.00	1.00	1.00
CCV 1344698	CCV	04/04/12 01:37:06 pm	4.701	47376	0.50		1.00	1.00	1.00
% Recovery 94.02									
CCB	CCB	04/04/12 01:39:23 pm	0.038	31	13.14		1.00	1.00	1.00
280-27223-D-8-A	UNK	04/04/12 01:41:41 pm	0.037	28	11.76		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27223-D-8-B MS	UNK	04/04/12 01:44:00 pm	4.321	43516	0.46		1.00	1.00	1.00
280-27223-D-8-C MSD	UNK	04/04/12 01:46:18 pm	4.286	43162	0.44		1.00	1.00	1.00
280-27225-G-1-A	UNK	04/04/12 01:48:37 pm	0.027	-78	2.31		1.00	1.00	1.00
280-27225-G-2-A	UNK	04/04/12 01:50:57 pm	0.038	33	7.26		1.00	1.00	1.00
280-27218-Q-1-B	UNK	04/04/12 01:53:16 pm	0.041	63	2.08		1.00	1.00	1.00
LB3 280-114097/1-B	UNK	04/04/12 01:55:36 pm	0.037	27	10.03		1.00	1.00	1.00
LCS 280-114097/2-B	UNK	04/04/12 01:57:56 pm	4.450	44827	0.87		1.00	1.00	1.00
280-27212-A-1-B	UNK	04/04/12 02:00:14 pm	0.043	85	5.65		1.00	1.00	1.00
280-27212-A-1-C MS	UNK	04/04/12 02:02:32 pm	4.623	46582	0.52		1.00	1.00	1.00
CCV 1344698	CCV	04/04/12 02:04:52 pm	4.727	47642	0.43		1.00	1.00	1.00
% Recovery 94.55									
CCB	CCB	04/04/12 02:07:10 pm	0.037	25	6.19		1.00	1.00	1.00
280-27212-A-1-D MSD	UNK	04/04/12 02:09:29 pm	4.645	46810	0.39		1.00	1.00	1.00
CCV 1344698	CCV	04/04/12 02:11:49 pm	4.767	48044	0.86		1.00	1.00	1.00
% Recovery 95.34									
CCB	CCB	04/04/12 02:14:06 pm	0.037	28	15.42		1.00	1.00	1.00

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	65.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

Method(s):

245.1 **245.1_DW**

7470A **7471A** **7471B**

Applicable QC Batches: 114770

Mercury Analysis Raw Data Checklist

Analyst's Checklist

	yes	no	n/a
1. Were the special instructions for prep and/or analysis followed?	☒	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☒	☐	☐
3. Is the blank less than the reporting limit or properly anomalized?	☒	☐	☐
4. Are the LCSs within limits or properly anomalized?	☒	☐	☐
5. Are the ICV and all CCVs within limits?	☒	☐	☐
6. Are all CCBs within ± one reporting limit from zero?	☒	☐	☐
7. Were the CCVs and CCBs run with at most 10 samples between each set?	☒	☐	☐
8. Are the reporting limits correct and reflect any dilutions?	☒	☐	☐
9. Are the benchsheets complete (including calibration and standard verification #'s)?	☒	☐	☐
10. Are all comments, footnotes, and anomalies properly documented?	☒	☐	☐
11. Are holding time violation forms completed and attached?	☒	☐	☐
12. Have all sample data been entered into LIMS?	☒	☐	☐
13. Have all QC data been entered into LIMS?	☒	☐	☐
14. Have the data entered into LIMS been checked for errors?	☒	☐	☐
15. For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☐	☐	☒
16. Are all passing CRAs set to acceptable?	☒	☐	☐
17. Is the PDF attached?	☒	☐	☐

Analyst's Name: Cynthia Avery Date: 4/5/12

Data Review's Checklist

	yes	no	n/a
1. Have the calculations been checked?	☑	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3. Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4. Are all the significant figures and reporting limits correct?	☑	☐	☐
5. Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6. Have any data errors been documented and entered into LIMS?	☐	☐	☐
7. Is prep date correct in LIMS? DMW 4/5/12	☐	☐	☐
8. If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☐	☐	☑

Reviewed by: Dyngmy Date: 4/5/12

Comments:

Anomalies:

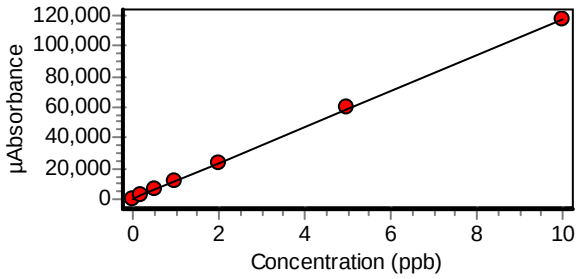
Report Generated By CETAC QuickTrace
Analyst: RawlingsB
Worksheet file: C:\Program Files\QuickTrace\Worksheets\April 2012\120403taa.wsz
Date Started: 4/3/2012 4:26:32 PM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt. ODF	Vol.
Cal Blank	STD	04/03/12 04:39:03 pm	0.000	192	1.45		1.00 1.00	1.00
Std1	STD	04/03/12 04:41:21 pm	0.200	2680	0.12		1.00 1.00	1.00
Std2	STD	04/03/12 04:43:39 pm	0.500	6484	0.56		1.00 1.00	1.00
Std3	STD	04/03/12 04:45:58 pm	1.000	12135	0.84		1.00 1.00	1.00
Std4	STD	04/03/12 04:48:18 pm	2.000	23072	0.78		1.00 1.00	1.00
Std5	STD	04/03/12 04:50:39 pm	5.000	60482	0.58		1.00 1.00	1.00
Std6	STD	04/03/12 04:52:59 pm	10.000	116915	0.64		1.00 1.00	1.00

Calibration

Equation: A = 427.717 + 11709.360C
R2: 0.99970
SEE: 817.5944
Flags:



ICV 1342858	ICV	04/03/12 04:55:42 pm	3.974	46957	0.31		1.00 1.00	1.00
% Recovery 99.34								
ICB	ICB	04/03/12 04:58:00 pm	-0.025	141	1.25		1.00 1.00	1.00
CRA 1342857	CRDL	04/03/12 05:00:18 pm	0.176	2493	0.44		1.00 1.00	1.00
% Recovery 88.19								

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV 1342855	CCV	04/03/12 05:02:38 pm	4.827	56955	0.52		1.00	1.00
% Recovery 96.55							1.00	
CCB	CCB	04/03/12 05:04:55 pm	-0.024	143	0.78		1.00	1.00
							1.00	
MB 280-113611/1-B	UNK	04/03/12 05:07:13 pm	-0.020	191	0.57		1.00	1.00
							1.00	
LCS 280-113611/2-B	UNK	04/03/12 05:09:31 pm	4.729	55797	0.04		1.00	1.00
							1.00	
280-27092-a-1-j	UNK	04/03/12 05:11:49 pm	0.581	7230	0.39		1.00	1.00
							1.00	
280-27123-a-1-k @10	UNK	04/03/12 05:14:07 pm	0.653	8078	0.48		1.00	1.00
							1.00	
280-27123-a-1-k sd@50	UNK	04/03/12 05:16:27 pm	0.117	1798	0.45		1.00	1.00
							1.00	
280-27123-a-1-l ms@10	UNK	04/03/12 05:18:45 pm	1.963	23408	0.44		1.00	1.00
							1.00	
280-27123-a-1-m msd@10	UNK	04/03/12 05:21:04 pm	1.190	14358	0.44		1.00	1.00
							1.00	
280-27123-A-2-E @20	UNK	04/03/12 05:23:23 pm	5.571	65661	1.03		1.00	1.00
							1.00	
280-27123-A-3-G	UNK	04/03/12 05:25:42 pm	1.560	18694	0.32		1.00	1.00
							1.00	
280-27123-A-4-E	UNK	04/03/12 05:28:02 pm	0.882	10750	0.65		1.00	1.00
							1.00	
CCV 1342855	CCV	04/03/12 05:30:22 pm	5.033	59357	0.20		1.00	1.00
% Recovery 100.65							1.00	
CCB	CCB	04/03/12 05:32:39 pm	-0.024	150	0.42		1.00	1.00
							1.00	
280-27123-A-5-E	UNK	04/03/12 05:34:59 pm	6.401	75373	0.06		1.00	1.00
							1.00	
280-27123-A-6-E	UNK	04/03/12 05:37:19 pm	0.259	3464	0.26		1.00	1.00
							1.00	
280-27123-A-7-E	UNK	04/03/12 05:39:40 pm	4.535	53527	0.54		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27123-A-8-E	UNK	04/03/12 05:41:57 pm	0.227	3086	0.45		1.00	1.00	1.00
280-27123-A-9-E	UNK	04/03/12 05:44:14 pm	0.877	10694	0.48		1.00	1.00	1.00
280-27123-A-10-E	UNK	04/03/12 05:46:32 pm	0.562	7011	0.24		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 05:48:52 pm	4.720	55696	0.44		1.00	1.00	1.00
% Recovery 94.40									
CCB	CCB	04/03/12 05:51:09 pm	-0.023	154	1.63		1.00	1.00	1.00
mb 280-113940/1-a	UNK	04/03/12 05:53:27 pm	-0.022	173	2.40		1.00	1.00	1.00
LCS 280-113940/2-A	UNK	04/03/12 05:55:45 pm	4.559	53815	0.19		1.00	1.00	1.00
280-27148-A-1-D	UNK	04/03/12 05:58:04 pm	0.063	1166	0.15		1.00	1.00	1.00
280-27148-A-1-E DU	UNK	04/03/12 06:00:22 pm	0.053	1047	0.25		1.00	1.00	1.00
280-27148-A-1-F MS	UNK	04/03/12 06:02:41 pm	4.490	53003	0.56		1.00	1.00	1.00
280-27148-A-2-B	UNK	04/03/12 06:05:00 pm	4.871	57467	1.39		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 06:07:20 pm	4.893	57724	0.22		1.00	1.00	1.00
% Recovery 97.86									
CCB	CCB	04/03/12 06:09:37 pm	-0.023	162	1.36		1.00	1.00	1.00
mb 280-113942/1-a	UNK	04/03/12 06:11:57 pm	-0.022	170	0.69		1.00	1.00	1.00
lcs 280-113942/2-a	UNK	04/03/12 06:14:17 pm	4.719	55684	0.22		1.00	1.00	1.00
lcsd 280-113942/3-a	UNK	04/03/12 06:16:37 pm	4.683	55259	0.02		1.00	1.00	1.00
280-27174-a-1-h	UNK	04/03/12 06:18:53 pm	0.348	4500	0.35		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27174-A-1-I MS	UNK	04/03/12 06:21:11 pm	5.036	59395	0.09		1.00	1.00	1.00
280-27174-A-1-J MSD	UNK	04/03/12 06:23:28 pm	5.283	62287	0.51		1.00	1.00	1.00
280-27174-A-2-D	UNK	04/03/12 06:25:46 pm	1.014	12302	0.34		1.00	1.00	1.00
280-27174-A-3-D	UNK	04/03/12 06:28:04 pm	1.407	16902	1.31		1.00	1.00	1.00
280-27174-A-4-D	UNK	04/03/12 06:30:22 pm	0.979	11890	0.43		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 06:32:43 pm	4.698	55437	0.22		1.00	1.00	1.00
% Recovery 93.96									
CCB	CCB	04/03/12 06:35:00 pm	-0.023	164	2.31		1.00	1.00	1.00
280-27175-A-1-D	UNK	04/03/12 06:37:19 pm	1.184	14293	0.62		1.00	1.00	1.00
280-27175-A-2-D	UNK	04/03/12 06:39:38 pm	0.783	9593	0.07		1.00	1.00	1.00
280-27175-A-3-D	UNK	04/03/12 06:41:57 pm	0.910	11088	0.27		1.00	1.00	1.00
280-27175-A-4-D	UNK	04/03/12 06:44:16 pm	0.015	605	0.10		1.00	1.00	1.00
280-27175-A-5-D	UNK	04/03/12 06:46:36 pm	0.844	10306	0.10		1.00	1.00	1.00
280-27175-A-6-D	UNK	04/03/12 06:48:56 pm	0.333	4321	0.17		1.00	1.00	1.00
280-27175-A-7-D	UNK	04/03/12 06:51:13 pm	0.445	5641	0.80		1.00	1.00	1.00
280-27175-A-8-D	UNK	04/03/12 06:53:31 pm	0.528	6607	0.24		1.00	1.00	1.00
280-27175-A-9-D	UNK	04/03/12 06:56:53 pm	0.442	5603	0.93		1.00	1.00	1.00
280-27175-A-10-D	UNK	04/03/12 06:59:11 pm	0.135	2010	0.38		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.
							ODF	
CCV 1342855	CCV	04/03/12 07:01:31 pm	4.652	54905	0.18		1.00	1.00
% Recovery 93.05							1.00	
CCB	CCB	04/03/12 07:03:49 pm	-0.023	155	1.62		1.00	1.00
							1.00	
280-27175-A-11-D	UNK	04/03/12 07:06:07 pm	0.869	10602	0.68		1.00	1.00
							1.00	
280-27175-A-12-D	UNK	04/03/12 07:08:25 pm	0.615	7626	0.42		1.00	1.00
							1.00	
MB 280-113978/1-A	UNK	04/03/12 07:10:43 pm	-0.023	158	3.13		1.00	1.00
							1.00	
LCS 280-113978/2-A	UNK	04/03/12 07:13:02 pm	4.683	55262	0.16		1.00	1.00
							1.00	
280-27177-A-1-E	UNK	04/03/12 07:15:21 pm	0.211	2903	0.16		1.00	1.00
							1.00	
280-27177-A-1-F MS	UNK	04/03/12 07:17:41 pm	4.615	54466	0.22		1.00	1.00
							1.00	
280-27177-A-1-G MSD	UNK	04/03/12 07:20:01 pm	4.705	55525	0.18		1.00	1.00
							1.00	
280-27177-A-2-C	UNK	04/03/12 07:22:21 pm	0.178	2514	0.73		1.00	1.00
							1.00	
280-27177-A-4-C	UNK	04/03/12 07:24:39 pm	0.563	7024	0.38		1.00	1.00
							1.00	
280-27177-A-6-C	UNK	04/03/12 07:26:56 pm	0.483	6083	0.31		1.00	1.00
							1.00	
CCV 1342855	CCV	04/03/12 07:29:16 pm	4.757	56132	0.32		1.00	1.00
% Recovery 95.14							1.00	
CCB	CCB	04/03/12 07:31:33 pm	-0.023	156	1.29		1.00	1.00
							1.00	
280-27123-a-1-kpds @10	UNK	04/03/12 07:33:53 pm	5.202	61336	0.37		1.00	1.00
							1.00	
280-27177-A-7-C	UNK	04/03/12 07:36:11 pm	0.180	2533	0.02		1.00	1.00
							1.00	
280-27177-A-8-C	UNK	04/03/12 07:38:29 pm	0.315	4116	0.40		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-27177-A-10-C	UNK	04/03/12 07:40:47 pm	0.307	4019	1.09		1.00	1.00	1.00
280-27177-A-12-C	UNK	04/03/12 07:43:05 pm	0.295	3886	0.23		1.00	1.00	1.00
280-27180-A-1-A @50	UNK	04/03/12 07:45:25 pm	-0.001	420	0.88		1.00	1.00	1.00
280-27180-A-1-A	UNK	04/03/12 07:47:44 pm	1.637	19592	0.26		1.00	1.00	1.00
280-27180-A-2-A	UNK	04/03/12 07:50:03 pm	12.670	148789	0.19	O	1.00	1.00	1.00
280-27180-A-3-A	UNK	04/03/12 07:54:22 pm	2.691	31933	0.23		1.00	1.00	1.00
280-27180-A-4-A	UNK	04/03/12 07:56:42 pm	1.312	15788	2.12		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 07:59:03 pm	4.986	58813	0.23		1.00	1.00	1.00
% Recovery 99.72									
CCB	CCB	04/03/12 08:01:20 pm	-0.026	124	0.77		1.00	1.00	1.00
280-27180-A-2-A @5	UNK	04/03/12 08:05:58 pm	2.417	28732	0.41		1.00	1.00	1.00
CCV 1342855	CCV	04/03/12 08:08:19 pm	4.929	58146	0.19		1.00	1.00	1.00
% Recovery 98.59									
CCB	CCB	04/03/12 08:10:36 pm	-0.024	150	2.73		1.00	1.00	1.00

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	60.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

Method(s):

245.1 **245.1_DW**

7470A **7471A** **7471B**

Applicable QC Batches: 114184

Mercury Analysis Raw Data Checklist

Analyst's Checklist

	yes	no	n/a
1. Were the special instructions for prep and/or analysis followed?	☒	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☒	☐	☐
3. Is the blank less than the reporting limit or properly anomalized?	☒	☐	☐
4. Are the LCSs within limits or properly anomalized?	☒	☐	☐
5. Are the ICV and all CCVs within limits?	☒	☐	☐
6. Are all CCBs within ± one reporting limit from zero?	☒	☐	☐
7. Were the CCVs and CCBs run with at most 10 samples between each set?	☒	☐	☐
8. Are the reporting limits correct and reflect any dilutions?	☒	☐	☐
9. Are the benchsheets complete (including calibration and standard verification #'s)?	☒	☐	☐
10. Are all comments, footnotes, and anomalies properly documented?	☒	☐	☐
11. Are holding time violation forms completed and attached?	☒	☐	☐
12. Have all sample data been entered into LIMS?	☒	☐	☐
13. Have all QC data been entered into LIMS?	☒	☐	☐
14. Have the data entered into LIMS been checked for errors?	☒	☐	☐
15. For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☐	☐	☒
16. Are all passing CRAs set to acceptable?	☒	☐	☐
17. Is the PDF attached?	☒	☐	☐

Analyst's Name: Crystal Chevez Date: 4/4/12

Data Review's Checklist

	yes	no	n/a
1. Have the calculations been checked?	☑	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3. Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4. Are all the significant figures and reporting limits correct?	☑	☐	☐
5. Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6. Have any data errors been documented and entered into LIMS?	☐	☐	☐
7. Is prep date correct in LIMS? DNWZ 4/4/12	☐	☐	☐
8. If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☐	☐	☑

Reviewed by: Yongming Du Date: 4/4/12

Comments:

Anomalies:

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113656 Batch Start Date: 03/30/12 14:00 Batch Analyst: Mooney, Joseph C

Batch Method: 3050B Batch End Date: 03/30/12 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ICP SPK 2A 00041	ICP SPK 3A 00043	
MB 280-113656/1		3050B, 6010B		CALC NOT SET TO RUN	1.07 g	100 mL			
LCS 280-113656/2		3050B, 6010B		CALC NOT SET TO RUN	1.16 g	100 mL	1 mL	1 mL	
280-27123-A-1	UNK10101AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.18 g	100 mL			
280-27123-A-1 MS	UNK10101AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	100 mL	1 mL	1 mL	
280-27123-A-1 MSD	UNK10101AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	100 mL	1 mL	1 mL	
280-27123-A-2	UNK10201AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	100 mL			
280-27123-A-3	UNK10301AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.19 g	100 mL			
280-27123-A-4	UNK10401AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.19 g	100 mL			
280-27123-A-5	UNK10501AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.01 g	100 mL			
280-27123-A-6	UNK10502AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.07 g	100 mL			
280-27123-A-7	UNK10601AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.18 g	100 mL			
280-27123-A-8	UNK10602AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.01 g	100 mL			
280-27123-A-9	UNK10701AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.19 g	100 mL			
280-27123-A-10	UNK10702AA	3050B, 6010B	T	CALC NOT SET TO RUN	1.01 g	100 mL			

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113656 Batch Start Date: 03/30/12 14:00 Batch Analyst: Mooney, Joseph C

Batch Method: 3050B Batch End Date: 03/30/12 19:00

Batch Notes	
Balance ID	M28318
Filter Paper Lot Number	365108
Hydrogen peroxide lot number	K35A02-3/8
Lot # of hydrochloric acid	K43032-3/28
Lot # of Nitric Acid	L02030-3/29
Hood ID or number	09
Hot Block ID number	02 C-6
Oven, Bath or Block Temperature 1	94 Degrees C
Oven, Bath or Block Temperature 2	94 Degrees C
Pipette ID	MET-007
Temperature	94 Degrees C
ID number of the thermometer	MP2
Digestion Tube/Cup Lot #	1108215
Uncorrected Temperature	94 Celsius
Uncorrected Temperature 2	94 Degrees C

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 114545 Batch Start Date: 04/09/12 08:30 Batch Analyst: Fredette, Nick

Batch Method: 3010A Batch End Date: 04/09/12 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ICP SPK 2A 00041	ICP SPK 3A 00043	
MB 280-114545/1		3010A, 6010B			50 mL	50 mL			
LCS 280-114545/2		3010A, 6010B			50 mL	50 mL	0.5 mL	0.5 mL	
LCSD 280-114545/3		3010A, 6010B			50 mL	50 mL	0.5 mL	0.5 mL	
280-27123-G-11	032712AE	3010A, 6010B	T	<2	50 mL	50 mL			

Batch Notes	
Lot # of hydrochloric acid	K43032-4/2
Lot # of Nitric Acid	L02030-4/6
Hot Block ID number	06
Oven, Bath or Block Temperature 1	93 Degrees C
Pipette ID	MET-007
ID number of the thermometer	MP5
Digestion Tube/Cup Lot #	1107181
Uncorrected Temperature	93 C5 Degrees C

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113654 Batch Start Date: 03/30/12 14:00 Batch Analyst: Mooney, Joseph C

Batch Method: 3050B Batch End Date: 03/30/12 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS CALSTD-1 00063	MS CALSTD-2 00064	
MB 280-113654/1		3050B, 6020		CALC NOT SET TO RUN	1.01 g	100 mL			
LCS 280-113654/2		3050B, 6020		CALC NOT SET TO RUN	1.08 g	100 mL	1 mL	1 mL	
280-27123-A-1	UNK10101AA	3050B, 6020	T	CALC NOT SET TO RUN	1.16 g	100 mL			
280-27123-A-1 MS	UNK10101AA	3050B, 6020	T	CALC NOT SET TO RUN	1.20 g	100 mL	1 mL	1 mL	
280-27123-A-1 MSD	UNK10101AA	3050B, 6020	T	CALC NOT SET TO RUN	1.05 g	100 mL	1 mL	1 mL	
280-27123-A-2	UNK10201AA	3050B, 6020	T	CALC NOT SET TO RUN	1.17 g	100 mL			
280-27123-A-3	UNK10301AA	3050B, 6020	T	CALC NOT SET TO RUN	1.02 g	100 mL			
280-27123-A-4	UNK10401AA	3050B, 6020	T	CALC NOT SET TO RUN	1.04 g	100 mL			
280-27123-A-5	UNK10501AA	3050B, 6020	T	CALC NOT SET TO RUN	1.01 g	100 mL			
280-27123-A-6	UNK10502AA	3050B, 6020	T	CALC NOT SET TO RUN	1.15 g	100 mL			
280-27123-A-7	UNK10601AA	3050B, 6020	T	CALC NOT SET TO RUN	1.03 g	100 mL			
280-27123-A-8	UNK10602AA	3050B, 6020	T	CALC NOT SET TO RUN	1.09 g	100 mL			
280-27123-A-9	UNK10701AA	3050B, 6020	T	CALC NOT SET TO RUN	1.17 g	100 mL			
280-27123-A-10	UNK10702AA	3050B, 6020	T	CALC NOT SET TO RUN	1.19 g	100 mL			

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113654 Batch Start Date: 03/30/12 14:00 Batch Analyst: Mooney, Joseph C

Batch Method: 3050B Batch End Date: 03/30/12 19:00

Batch Notes	
Balance ID	M28318
Filter Paper Lot Number	365108
Hydrogen peroxide lot number	K20J00-3/22
Lot # of Nitric Acid	L02030-3/29
Hood ID or number	09
Hot Block ID number	01 D-1
Oven, Bath or Block Temperature 1	94 Degrees C
Oven, Bath or Block Temperature 2	94 Degrees C
Pipette ID	MET-007
Temperature	94 Degrees C
ID number of the thermometer	MP1
Digestion Tube/Cup Lot #	1108215
Uncorrected Temperature	94 Celsius
Uncorrected Temperature 2	94 Degrees C

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 114586 Batch Start Date: 04/10/12 08:30 Batch Analyst: Fredette, Nick

Batch Method: 3020A Batch End Date: 04/10/12 08:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	MS CALSTD-1 00064	MS CALSTD-2 00063	
MB 280-114586/1		3020A, 6020			50 mL	50 mL			
LCS 280-114586/2		3020A, 6020			50 mL	50 mL	0.1 mL	0.1 mL	
LCSD 280-114586/3		3020A, 6020			50 mL	50 mL	0.1 mL	0.1 mL	
280-27123-G-11	032712AE	3020A, 6020	T	<2	50 mL	50 mL			

Batch Notes	
Lot # of Nitric Acid	L02030-4/9
Hot Block ID number	03
Oven, Bath or Block Temperature 1	93 B6 Degrees C
Pipette ID	MET-015
ID number of the thermometer	MP3
Digestion Tube/Cup Lot #	1107181

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 114152 Batch Start Date: 04/04/12 08:40 Batch Analyst: Ivey, Crystal L

Batch Method: 7470A Batch End Date: 04/04/12 10:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Hg Daily Spk 00518		
MB 280-114152/1		7470A, 7470A		<2	30 mL	30 mL			
LCS 280-114152/2		7470A, 7470A		<2	30 mL	30 mL	1.5 mL		
280-27123-G-11	032712AE	7470A, 7470A	T	<2	30 mL	30 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	2AK0859-3/22
Batch Comment	-
Sulfuric Acid Lot Number	K20042-3/15
Lot # of hydrochloric acid	K47035-3/28
Lot # of Nitric Acid	K23022-2/17
Hood ID or number	HOOD4
Hot Block ID number	14
Potassium Persulfate Lot Number	113845
Potassium Permanganate Lot Number	K18597-3/12
NaCL Lot #	G47617-2/17
Oven, Bath or Block Temperature 1	93 Celsius
Oven, Bath or Block Temperature 2	95 Celsius
Pipette ID	MET53
Repittetor Volume Check	-
Stannous Chloride Lot Number	K40583-3/28
SOP Number	DVMT0017
Temperature	93/D-2
ID number of the thermometer	HG-3
Digestion Tube/Cup Lot #	1108215
Uncorrected Temperature	93 Celsius
Uncorrected Temperature 2	95 Celsius
Visual ck - digestate F.V. consistency	YES-F.V.CKD

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113941 Batch Start Date: 04/03/12 09:35 Batch Analyst: Ivey, Crystal L

Batch Method: 7471A Batch End Date: 04/03/12 10:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg Daily Spk 00517			
MB 280-113941/1		7471A, 7471A		0.66 g	50 mL				
LCS 280-113941/2		7471A, 7471A		0.66 g	50 mL	2.5 mL			
280-27123-A-1	UNK10101AA	7471A, 7471A	T	0.62 g	50 mL				
280-27123-A-1 MS	UNK10101AA	7471A, 7471A	T	0.62 g	50 mL	2.5 mL			
280-27123-A-1 MSD	UNK10101AA	7471A, 7471A	T	0.63 g	50 mL	2.5 mL			
280-27123-A-2	UNK10201AA	7471A, 7471A	T	0.62 g	50 mL				
280-27123-A-3	UNK10301AA	7471A, 7471A	T	0.62 g	50 mL				
280-27123-A-4	UNK10401AA	7471A, 7471A	T	0.62 g	50 mL				
280-27123-A-5	UNK10501AA	7471A, 7471A	T	0.60 g	50 mL				
280-27123-A-6	UNK10502AA	7471A, 7471A	T	0.69 g	50 mL				
280-27123-A-7	UNK10601AA	7471A, 7471A	T	0.61 g	50 mL				
280-27123-A-8	UNK10602AA	7471A, 7471A	T	0.69 g	50 mL				
280-27123-A-9	UNK10701AA	7471A, 7471A	T	0.61 g	50 mL				
280-27123-A-10	UNK10702AA	7471A, 7471A	T	0.64 g	50 mL				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113941 Batch Start Date: 04/03/12 09:35 Batch Analyst: Ivey, Crystal L

Batch Method: 7471A Batch End Date: 04/03/12 10:05

Batch Notes	
Hydroxylamine Hydrochloride Lot	2AK0859-3/22
Acid used for pH adjustment	-
Aqua Regia Lot Number	-
Batch Comment	-
Blank Soil Lot Number	24750837
Filter Lot #	-
Sulfuric Acid Lot Number	K20042-3/15
Lot # of hydrochloric acid	K47035-3/28
Lot # of Nitric Acid	L02030-3/15
Hood ID or number	HOOD4
Hot Block ID number	14
Potassium Persulfate Lot Number	113845
Potassium Permanganate Lot Number	K18597-3/12
NaCL Lot #	G47617-2/17
Nominal Amount Used	- g
Oven, Bath or Block Temperature 1	94/E-5
Oven, Bath or Block Temperature 2	95
Pipette ID	MET53
Repittetor Volume Check	-
Stannous Chloride Lot Number	K40583-3/28
SOP Number	DVMT0016
Syringe Lot #	-
ID number of the thermometer	HG-3
Digestion Tube/Cup Lot #	1108215
Uncorrected Temperature	94 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG No.:

Project: Griffiss AFB AOI 474

Client Sample ID	Lab Sample ID
UNK10101AA	280-27123-1
UNK10201AA	280-27123-2
UNK10301AA	280-27123-3
UNK10401AA	280-27123-4
UNK10501AA	280-27123-5
UNK10502AA	280-27123-6
UNK10601AA	280-27123-7
UNK10602AA	280-27123-8
UNK10701AA	280-27123-9
UNK10702AA	280-27123-10

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-27123-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 03/30/2012 08:53 End Date: 03/30/2012 15:00

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
280-27123-1	1	T	08:53	X	X																		
280-27123-1 DU	1	T	08:53	X	X																		
280-27123-2	1	T	08:53	X	X																		
280-27123-3	1	T	08:53	X	X																		
280-27123-4	1	T	08:53	X	X																		
280-27123-5	1	T	08:53	X	X																		
280-27123-6	1	T	08:53	X	X																		
280-27123-7	1	T	08:53	X	X																		
280-27123-8	1	T	08:53	X	X																		
280-27123-9	1	T	08:53	X	X																		
280-27123-10	1	T	08:53	X	X																		
ZZZZZZ			08:53																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 03/30/2012 08:53 End Date: 03/30/2012 15:00

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			08:53																					
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Prep Types

T = Total/NA

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: Moisture Analysis Date: 3/30/12

SOP #: DV-WC-0023 Analyst: PB Instrument: H31422

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
27123, 27163,	S		113684	Moisture	
27146 Hanford			113717		
27150			113734		
27148			113741		

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	✓			—
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	✓			—
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?			✓	—
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?	✓			—
2. Was final residue weight within minimum/maximum requirements?	✓			—
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	✓			—
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?			✓	—
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?		✓		—
3. Were sample analyses done within holding time?	✓			—
4. Were special client requirements met?	✓			—
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?			✓	—
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	✓			—
7. STD/True Value information is updated and included?			✓	—
8. Are raw data copies prepared, scanned, and uploaded?	✓			—
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?			✓	—
2. Method blank < ½ RL or NCM provided?			✓	—
3. LCS/LCSD run for batch and within QC limits?			✓	—
4. DUP run for batch and RPD < 20% for samples >5 X RL?	✓			—

Analyst: Paul Berry Date: 4/2/12

Comments:

2nd Level Reviewer : Date: 4/3/12

Comments:

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-27123-1

SDG No.:

Batch Number: 113684 Batch Start Date: 03/30/12 08:53 Batch Analyst: Berry III, Paul B

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
280-27123-A-1	UNK10101AA	Moisture	T	1	1.31 g	17.43 g	11.65 g		
280-27123-A-1 DU	UNK10101AA	Moisture	T	2	1.33 g	17.41 g	11.87 g		
280-27123-A-2	UNK10201AA	Moisture	T	3	1.31 g	17.21 g	10.79 g		
280-27123-A-3	UNK10301AA	Moisture	T	4	1.31 g	17.92 g	12.06 g		
280-27123-A-4	UNK10401AA	Moisture	T	5	1.31 g	17.62 g	12.34 g		
280-27123-A-5	UNK10501AA	Moisture	T	6	1.30 g	17.26 g	11.51 g		
280-27123-A-6	UNK10502AA	Moisture	T	7	1.32 g	17.38 g	14.68 g		
280-27123-A-7	UNK10601AA	Moisture	T	8	1.30 g	17.17 g	11.57 g		
280-27123-A-8	UNK10602AA	Moisture	T	9	1.31 g	17.14 g	14.91 g		
280-27123-A-9	UNK10701AA	Moisture	T	10	1.30 g	18.03 g	13.07 g		
280-27123-A-10	UNK10702AA	Moisture	T	11	1.32 g	17.56 g	13.96 g		

Batch Notes	
Balance ID	H31422 No Unit
Date samples were placed in the oven	3/30//12
Oven Temp when samples are put in oven	102 Degrees C
Time samples were place in the oven	1400
Date samples were removed from oven	4/2/12
Oven Temp when samples removed from oven	102 Degrees C
Time Samples were removed from oven	515
Oven ID	E
ID number of the thermometer	Moist ove
Uncorrected In Temperature	102 Celsius
Uncorrected Out Temperature	102 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

2.6, 4.8, 2.0
IH 5/9/12

CHAIN OF CUSTODY RECORD

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

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

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 4 oz glass jar	SVOCs, PCBs, Pest., metals note 2,3 8 oz glass jar	VOCs note 1 40 ml vial (HCL)	SVOCs, PCBs, Pest., note 2 1 liter Amber	metals note 3 250 ml poly (HNO3)	Comments
UNK10101AA	UNK1-1	3/27	0955	SO	G	N	0/0	2	1	1				
UNK10201AA	UNK1-2	3/27	1020	SO	G	N	0/0	2	1	1				
UNK10301AA	UNK1-3	3/27	1045	SO	G	N	0/0	2	1	1				
UNK10401AA	UNK1-4	3/27	1120	SO	G	N	0/0	2	1	1				
UNK10501AA	UNK1-5-1	3/27	1150	SO	G	N	0/0	2	1	1				
UNK10502AA	UNK1-5-2	3/27	1200	SO	G	N	0/0	2	1	1				
UNK10601AA	UNK1-6-1	3/27	1215	SO	G	N	0/0	2	1	1				
UNK10602AA	UNK1-6-2	3/27	1245	SO	G	N	0/0	2	1	1				
UNK10701AA	UNK1-7-1	3/27	1255	SO	G	N	0/0	2	1	1				
UNK10702AA	UNK1-7-2	3/27	1315	SO	G	N	0/0	2	1	1				
032712AE	FIELDQC	3/27	1410	WG	BP	EB	0/0	10			3	6	1	
032712AF	FIELDQC	3/27	1319	WG	BP	AB	0/0	3			3			
032712AR	FIELDQC	3/27	0935	WG	BP	TB	0/0	3			3			

04/26/2012

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:
Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0) Note 1: VOCs: AFCEE QAPP 4.0 List. Note 2: SVOCs: AFCEE QAPP 4.0 List, PCBs: AFCEE QAPP 4.0 List, Pesticides: AFCEE QAPP 4.0 List. Note 3: Metals: AFCEE QAPP 4.0 List.	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/28/12	#3 Released by: (Sig)	Date: 3-28-12
Company Name:	Time:	Company Name: FPM	Time: 1310	Company Name: STL SYR	Time: 1830
#1 Received by: (Sig) Daniel Baldyga	Date: 3/26/12	#2 Received by: (Sig)	Date: 3-28-12	#3 Received by: (Sig)	Date: 3/29/12
Company Name: FPM	Time: 1600	Company Name:	Time: 1310	Company Name: TAT	Time: 0900

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

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

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

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-27123-1

Login Number: 27123

List Source: TestAmerica Denver

List Number: 1

Creator: Philipp, Nicholas A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	